

### 10.7.3 Output Power

[ANT1]

| Mode            | Frequency [MHz]        | Channel | Measured Power (dBm) | Duty Cycle Factor (dB) | Total Power (dBm) | Limit (dBm) |
|-----------------|------------------------|---------|----------------------|------------------------|-------------------|-------------|
| 802.11a         | 5720<br>(UNII 2C Band) | 144     | 13.73                | 0.318                  | 14.05             | 22.70       |
| 802.11n(HT20)   |                        |         | 13.45                | 0.420                  | 13.87             | 22.82       |
| 802.11ac(VHT20) |                        |         | 13.41                | 0.416                  | 13.83             | 22.77       |
| 802.11a         | 5720<br>(UNII 3 Band)  | 144     | 5.23                 | 0.318                  | 5.55              | 30.00       |
| 802.11n(HT20)   |                        |         | 5.46                 | 0.420                  | 5.88              | 30.00       |
| 802.11ac(VHT20) |                        |         | 5.47                 | 0.416                  | 5.89              | 30.00       |

| Mode            | Frequency [MHz]        | Channel | Measured Power (dBm) | Duty Cycle Factor (dB) | Total Power (dBm) | Limit (dBm) |
|-----------------|------------------------|---------|----------------------|------------------------|-------------------|-------------|
| 802.11n(HT40)   | 5710<br>(UNII 2C Band) | 142     | 12.49                | 0.732                  | 13.22             | 23.98       |
| 802.11ac(VHT40) |                        |         | 12.45                | 0.717                  | 13.17             | 23.98       |
| 802.11n(HT40)   | 5710<br>(UNII 3 Band)  | 142     | -0.46                | 0.732                  | 0.27              | 30.00       |
| 802.11ac(VHT40) |                        |         | -0.49                | 0.717                  | 0.23              | 30.00       |

| Mode            | Frequency [MHz]        | Channel | Measured Power (dBm) | Duty Cycle Factor (dB) | Total Power (dBm) | Limit (dBm) |
|-----------------|------------------------|---------|----------------------|------------------------|-------------------|-------------|
| 802.11ac(VHT80) | 5690<br>(UNII 2C Band) | 138     | 11.73                | 1.172                  | 12.90             | 23.98       |
|                 | 5690<br>(UNII 3 Band)  | 138     | -4.53                | 1.172                  | -3.36             | 30.00       |

[ANT2]

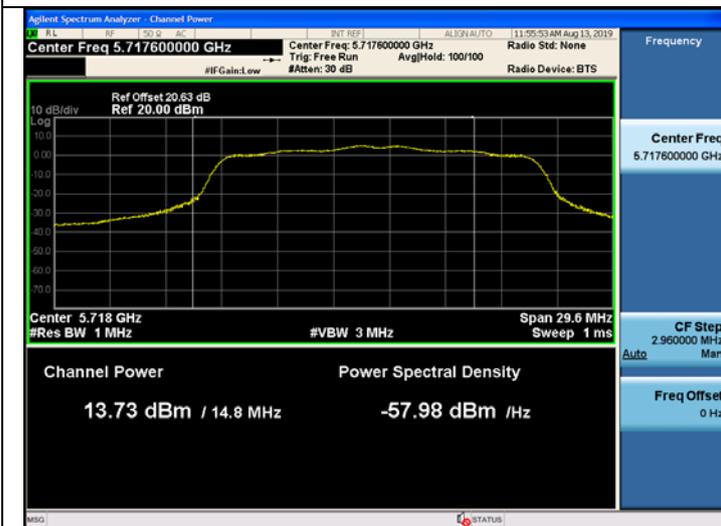
| Mode            | Frequency [MHz]        | Channel | Measured Power (dBm) | Duty Cycle Factor (dB) | Total Power (dBm) | Limit (dBm) |
|-----------------|------------------------|---------|----------------------|------------------------|-------------------|-------------|
| 802.11a         | 5720<br>(UNII 2C Band) | 144     | 13.48                | 0.318                  | 13.80             | 22.80       |
| 802.11n(HT20)   |                        |         | 13.33                | 0.328                  | 13.66             | 22.75       |
| 802.11ac(VHT20) |                        |         | 13.42                | 0.325                  | 13.75             | 22.83       |
| 802.11a         | 5720<br>(UNII 3 Band)  | 144     | 5.12                 | 0.318                  | 5.44              | 30.00       |
| 802.11n(HT20)   |                        |         | 5.57                 | 0.328                  | 5.90              | 30.00       |
| 802.11ac(VHT20) |                        |         | 5.69                 | 0.325                  | 6.02              | 30.00       |

| Mode            | Frequency [MHz]        | Channel | Measured Power (dBm) | Duty Cycle Factor (dB) | Total Power (dBm) | Limit (dBm) |
|-----------------|------------------------|---------|----------------------|------------------------|-------------------|-------------|
| 802.11n(HT40)   | 5710<br>(UNII 2C Band) | 142     | 12.75                | 0.732                  | 13.48             | 23.98       |
| 802.11ac(VHT40) |                        |         | 12.76                | 0.717                  | 13.48             | 23.98       |
| 802.11n(HT40)   | 5710<br>(UNII 3 Band)  | 142     | -0.04                | 0.732                  | 0.69              | 30.00       |
| 802.11ac(VHT40) |                        |         | -0.03                | 0.717                  | 0.69              | 30.00       |

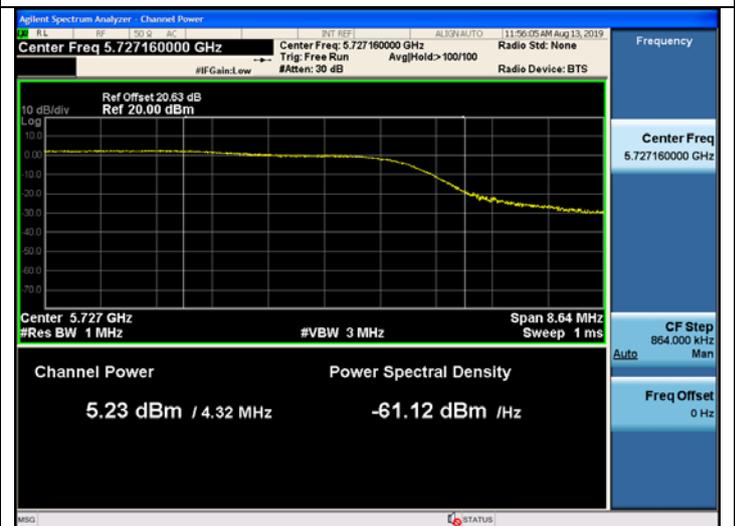
| Mode            | Frequency [MHz]        | Channel | Measured Power (dBm) | Duty Cycle Factor (dB) | Total Power (dBm) | Limit (dBm) |
|-----------------|------------------------|---------|----------------------|------------------------|-------------------|-------------|
| 802.11ac(VHT80) | 5690<br>(UNII 2C Band) | 138     | 12.33                | 0.991                  | 13.32             | 23.98       |
|                 | 5690<br>(UNII 3 Band)  | 138     | -4.12                | 0.991                  | -3.13             | 30.00       |

## Test Plots [ANT1]

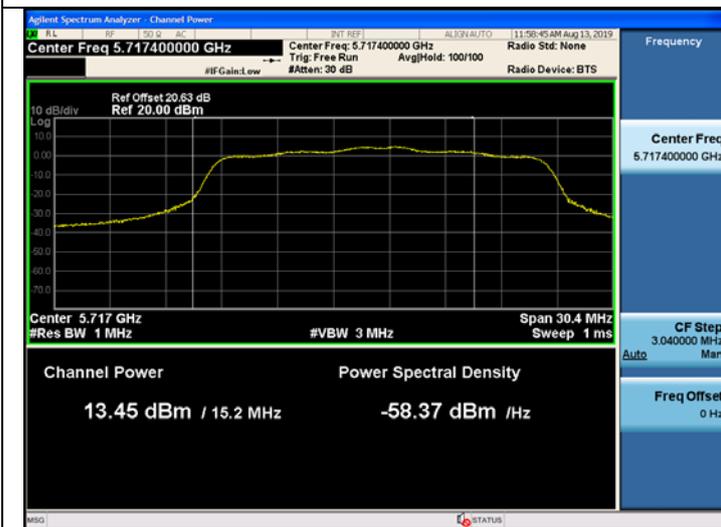
802.11a UNII 2C Band



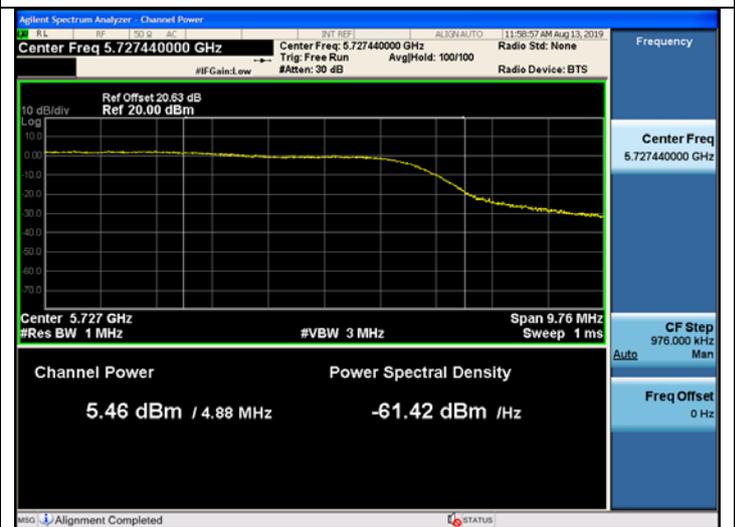
802.11a UNII 3 Band



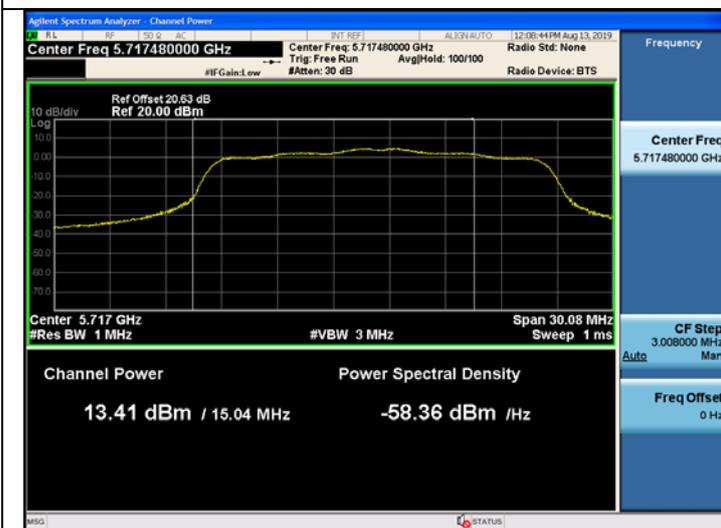
802.11n(HT20) UNII 2C Band



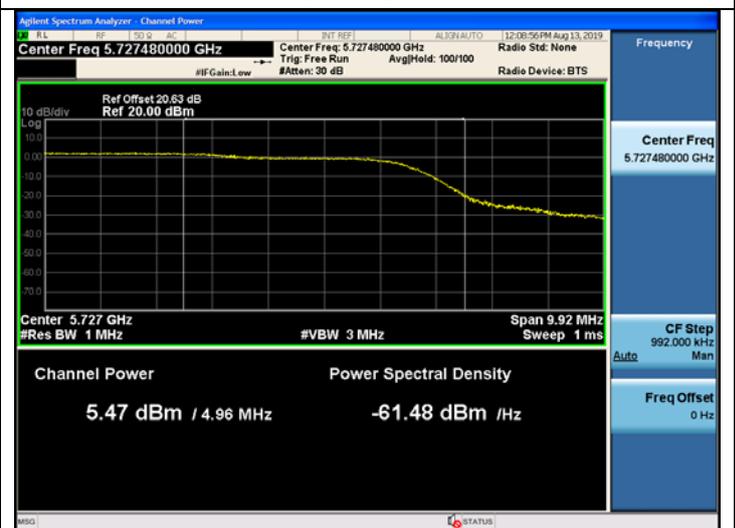
802.11n(HT20) UNII 3 Band



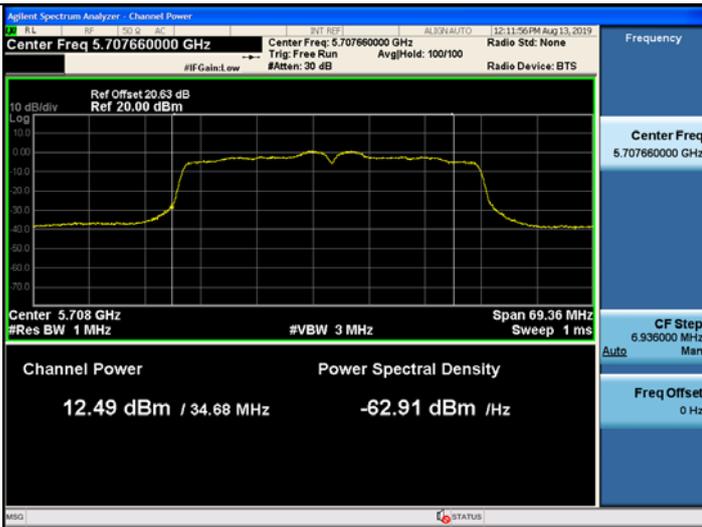
802.11ac(VHT20) UNII 2C Band



802.11ac(VHT20) UNII 3 Band



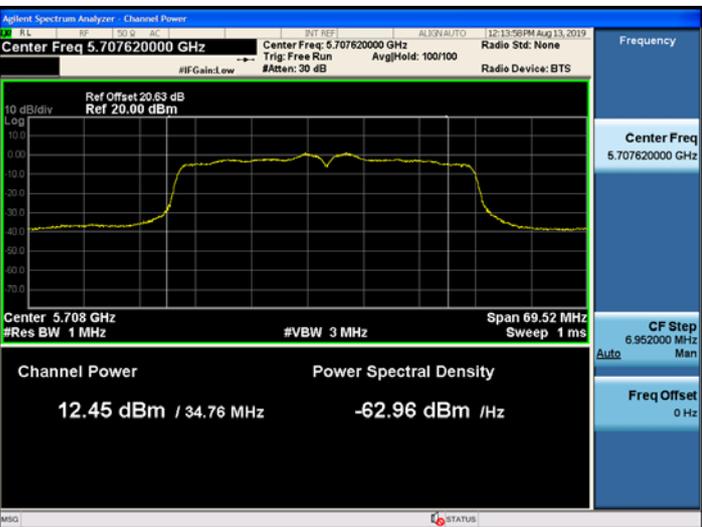
### 802.11n(HT40) UNII 2C Band



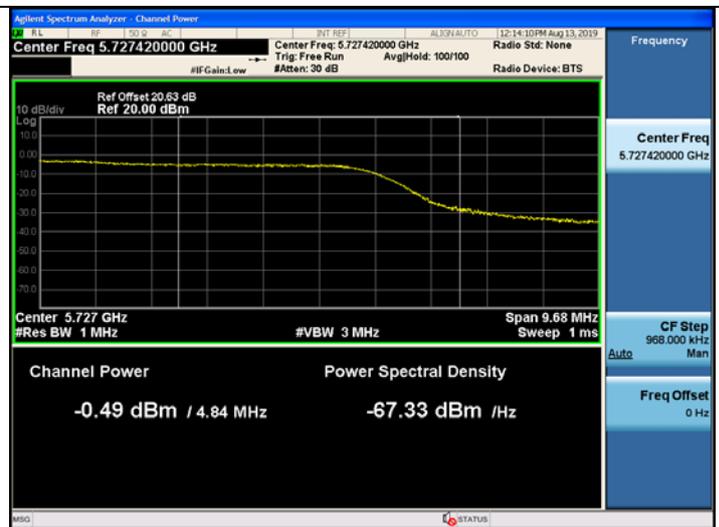
### 802.11n(HT40) UNII 3 Band



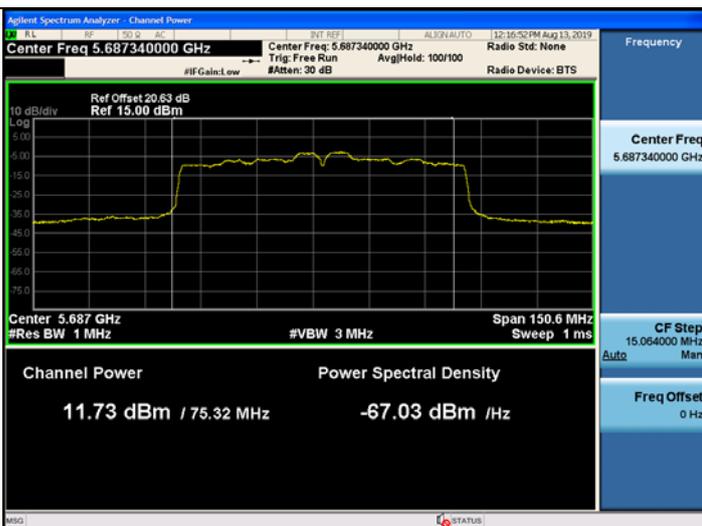
### 802.11ac(VHT40) UNII 2C Band



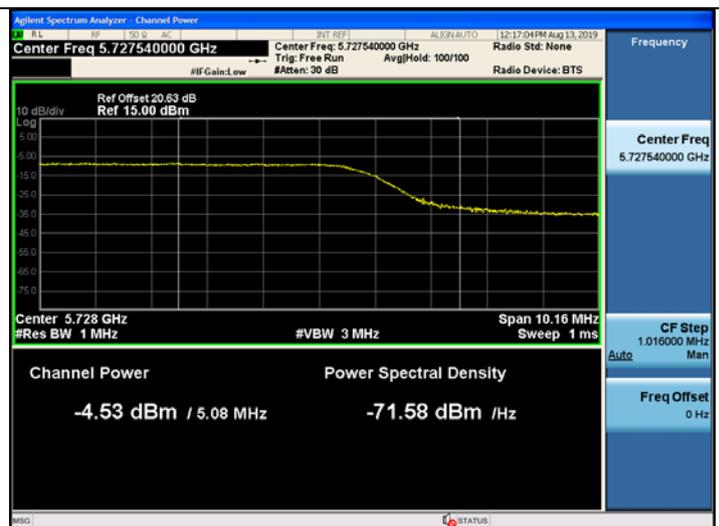
### 802.11ac(VHT40) UNII 3 Band



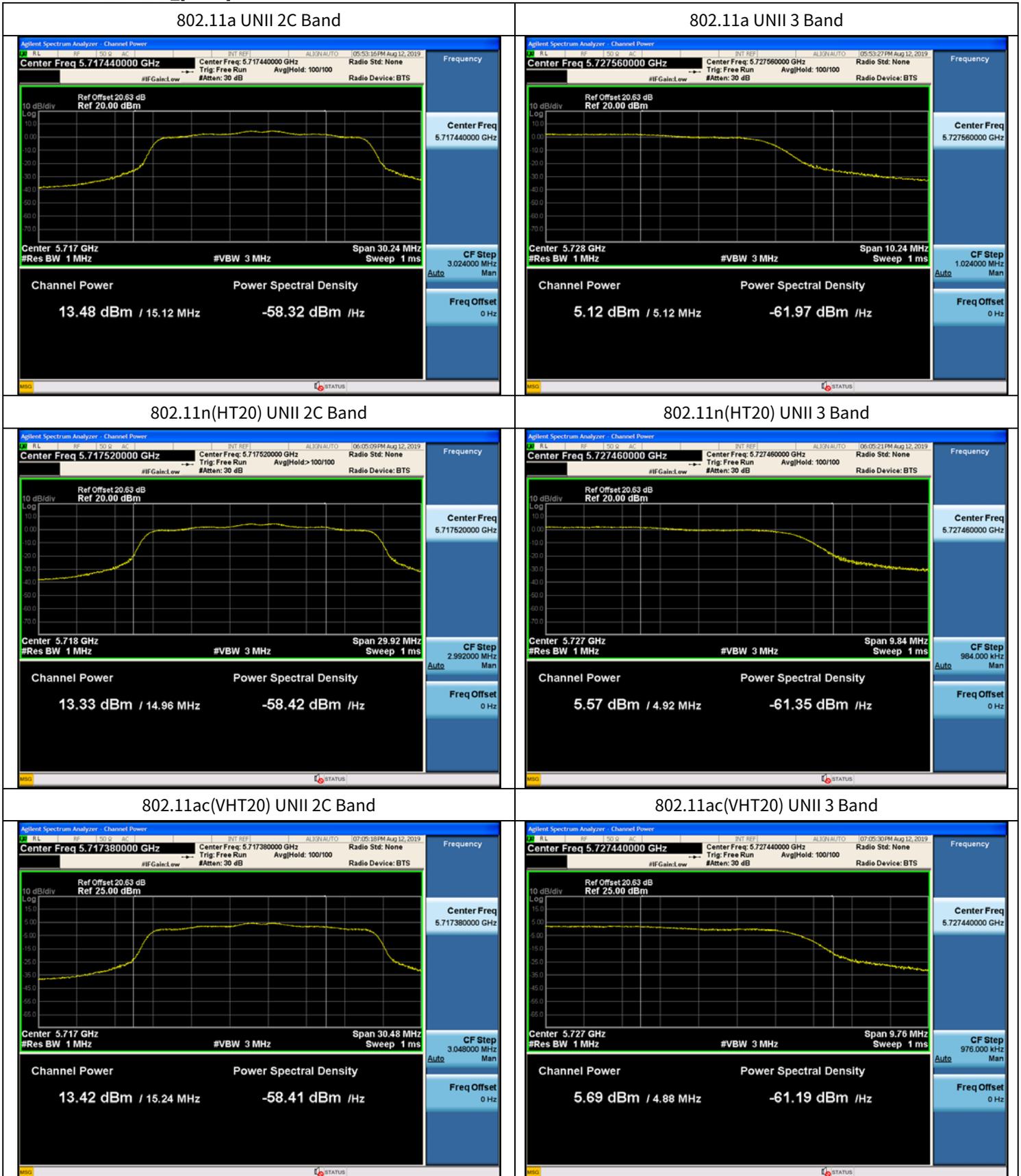
### 802.11ac(VHT80) UNII 2C Band



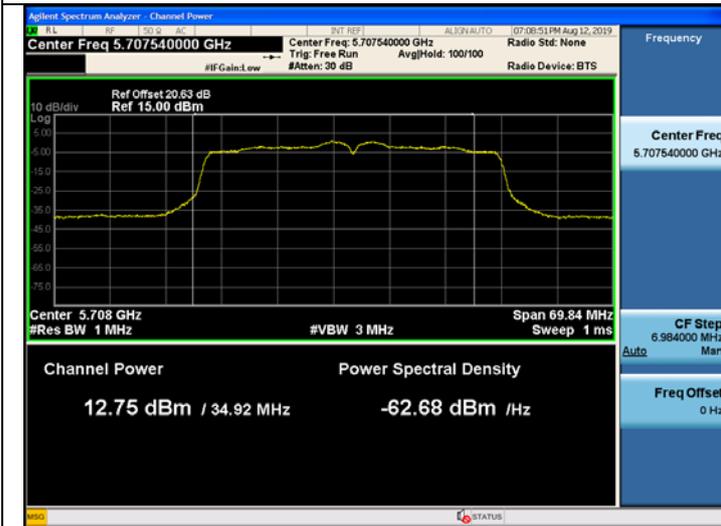
### 802.11ac(VHT80) UNII 3 Band



Test Plots [ANT2]



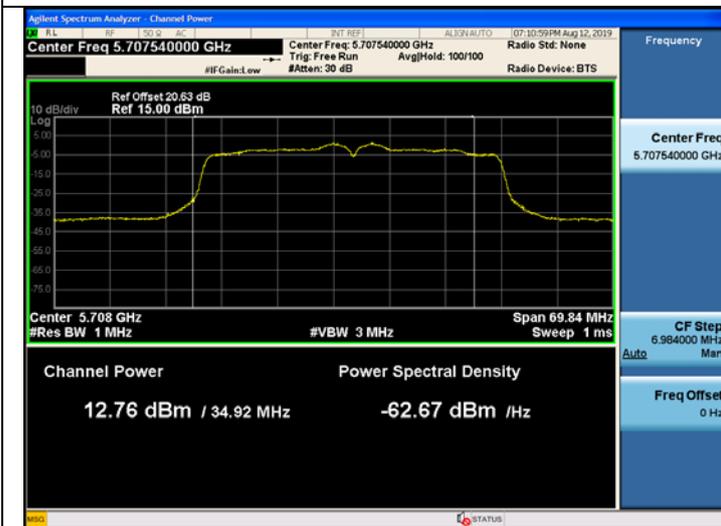
802.11n(HT40) UNII 2C Band



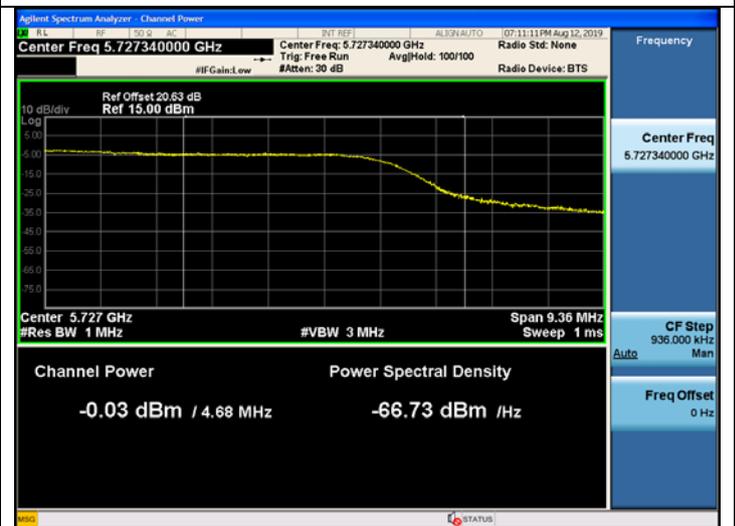
802.11n(HT40) UNII 3 Band



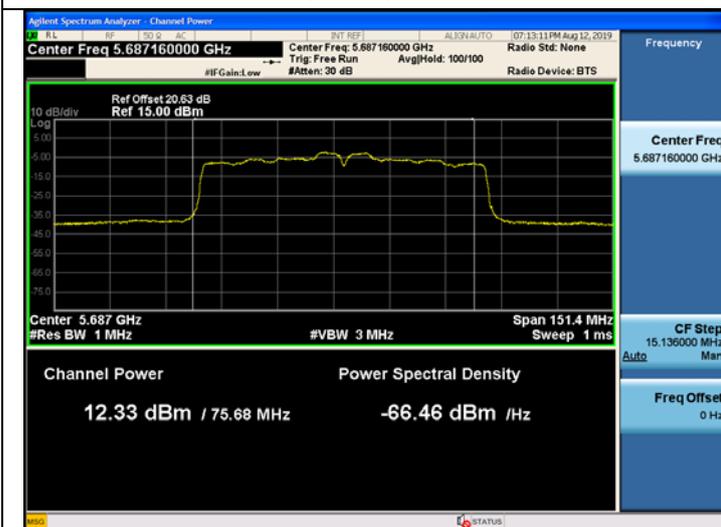
802.11ac(VHT40) UNII 2C Band



802.11ac(VHT40) UNII 3 Band



802.11ac(VHT80) UNII 2C Band



802.11ac(VHT80) UNII 3 Band



## 10.7.4 Power Spectral Density

[ANT1]

| Mode            | Frequency [MHz]        | Channel | Measured Density (dBm) | Duty Cycle Factor (dB) | Total PSD (dBm) | Limit (dBm) |
|-----------------|------------------------|---------|------------------------|------------------------|-----------------|-------------|
| 802.11a         | 5720<br>(UNII 2C Band) | 144     | 5.496                  | 0.318                  | 5.814           | 11.00       |
| 802.11n(HT20)   |                        |         | 4.958                  | 0.420                  | 5.378           | 11.00       |
| 802.11ac(VHT20) |                        |         | 4.863                  | 0.416                  | 5.279           | 11.00       |
| 802.11a         | 5720<br>(UNII 3 Band)  | 144     | -1.050                 | 0.318                  | -0.732          | 30.00       |
| 802.11n(HT20)   |                        |         | -0.893                 | 0.420                  | -0.473          | 30.00       |
| 802.11ac(VHT20) |                        |         | -0.914                 | 0.416                  | -0.498          | 30.00       |

| Mode            | Frequency [MHz]        | Channel | Measured Density (dBm) | Duty Cycle Factor (dB) | Total PSD (dBm) | Limit (dBm) |
|-----------------|------------------------|---------|------------------------|------------------------|-----------------|-------------|
| 802.11n(HT40)   | 5710<br>(UNII 2C Band) | 142     | 0.845                  | 0.732                  | 1.577           | 11.00       |
| 802.11ac(VHT40) |                        |         | 0.723                  | 0.717                  | 1.440           | 11.00       |
| 802.11n(HT40)   | 5710<br>(UNII 3 Band)  | 142     | -7.561                 | 0.732                  | -6.829          | 30.00       |
| 802.11ac(VHT40) |                        |         | -7.589                 | 0.717                  | -6.872          | 30.00       |

| Mode            | Frequency [MHz]        | Channel | Measured Density (dBm) | Duty Cycle Factor (dB) | Total PSD (dBm) | Limit (dBm) |
|-----------------|------------------------|---------|------------------------|------------------------|-----------------|-------------|
| 802.11ac(VHT80) | 5690<br>(UNII 2C Band) | 138     | -2.571                 | 1.172                  | -1.399          | 11.00       |
|                 | 5690<br>(UNII 3 Band)  | 138     | -11.069                | 1.172                  | -9.897          | 30.00       |

[ANT2]

| Mode            | Frequency [MHz]        | Channel | Measured Density (dBm) | Duty Cycle Factor (dB) | Total PSD (dBm) | Limit (dBm) |
|-----------------|------------------------|---------|------------------------|------------------------|-----------------|-------------|
| 802.11a         | 5720<br>(UNII 2C Band) | 144     | 5.007                  | 0.318                  | 5.325           | 11.00       |
| 802.11n(HT20)   |                        |         | 4.774                  | 0.328                  | 5.102           | 11.00       |
| 802.11ac(VHT20) |                        |         | 5.166                  | 0.325                  | 5.491           | 11.00       |
| 802.11a         | 5720<br>(UNII 3 Band)  | 144     | -0.918                 | 0.318                  | -0.600          | 30.00       |
| 802.11n(HT20)   |                        |         | -0.944                 | 0.328                  | -0.616          | 30.00       |
| 802.11ac(VHT20) |                        |         | -0.554                 | 0.325                  | -0.229          | 30.00       |

| Mode            | Frequency [MHz]        | Channel | Measured Density (dBm) | Duty Cycle Factor (dB) | Total PSD (dBm) | Limit (dBm) |
|-----------------|------------------------|---------|------------------------|------------------------|-----------------|-------------|
| 802.11n(HT40)   | 5710<br>(UNII 2C Band) | 142     | 1.003                  | 0.732                  | 1.735           | 11.00       |
| 802.11ac(VHT40) |                        |         | 1.063                  | 0.717                  | 1.780           | 11.00       |
| 802.11n(HT40)   | 5710<br>(UNII 3 Band)  | 142     | -6.788                 | 0.732                  | -6.056          | 30.00       |
| 802.11ac(VHT40) |                        |         | -6.953                 | 0.717                  | -6.236          | 30.00       |

| Mode            | Frequency [MHz]        | Channel | Measured Density (dBm) | Duty Cycle Factor (dB) | Total PSD (dBm) | Limit (dBm) |
|-----------------|------------------------|---------|------------------------|------------------------|-----------------|-------------|
| 802.11ac(VHT80) | 5690<br>(UNII 2C Band) | 138     | -2.034                 | 0.991                  | -1.043          | 11.00       |
|                 | 5690<br>(UNII 3 Band)  | 138     | -10.740                | 0.991                  | -9.749          | 30.00       |

Test Plots\_[ANT1]

802.11a UNII 2C Band



802.11a UNII 3 Band



802.11n(HT20) UNII 2C Band



802.11n(HT20) UNII 3 Band



802.11ac(VHT20) UNII 2C Band



802.11ac(VHT20) UNII 3 Band



802.11n(HT40) UNII 2C Band



802.11n(HT40) UNII 3 Band



802.11ac(VHT40) UNII 2C Band



802.11ac(VHT40) UNII 3 Band



802.11ac(VHT80) UNII 2C Band



802.11ac(VHT80) UNII 3 Band



Test Plots [ANT2]

802.11a UNII 2C Band



802.11a UNII 3 Band



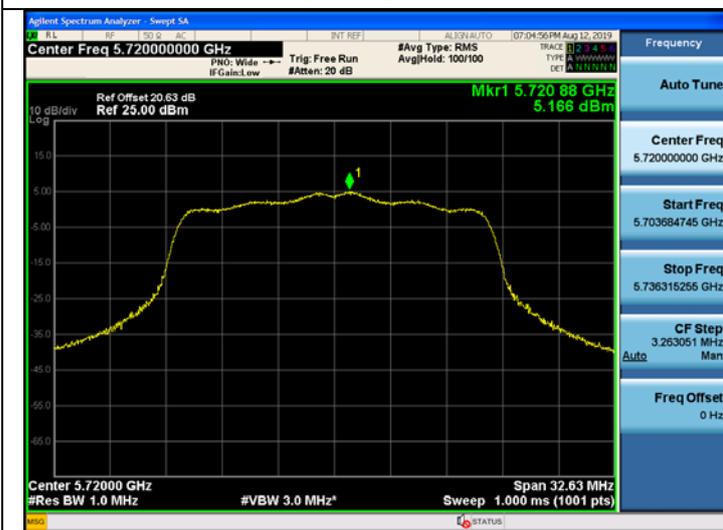
802.11n(HT20) UNII 2C Band



802.11n(HT20) UNII 3 Band



802.11ac(VHT20) UNII 2C Band



802.11ac(VHT20) UNII 3 Band



802.11n(HT40) UNII 2C Band



802.11n(HT40) UNII 3 Band



802.11ac(VHT40) UNII 2C Band



802.11ac(VHT40) UNII 3 Band



802.11ac(VHT80) UNII 2C Band



802.11ac(VHT80) UNII 3 Band



**10.8 RADIATED SPURIOUS EMISSIONS**

**Frequency Range : 9 kHz – 30MHz**

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

**Note:**

1. The reading of emissions are attenuated more than 20 dB below the permissible limits or the field strength is too small to be measured.
2. Distance extrapolation factor =  $40 \log(\text{specific distance} / \text{test distance})$  (dB)
3. Limit line = specific Limits (dBuV) + Distance extrapolation factor
4. The test results for below 30 MHz is correlated to an open site.  
The result on OATS is about 2 dB higher than semi-anechoic chamber(10 m chamber)

**Frequency Range : Below 1 GHz**

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

**Note:**

1. Radiated emissions measured in frequency range from 30 MHz to 1000 MHz were made with an instrument using Quasi peak detector mode

**Frequency Range : 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] | A.F.+C.L.<br>-A.G+D.F.<br>[dB] | ANT. POL<br>[H/V] | Total<br>[dBuV/m] | Limit<br>[dBuV/m] | Margin<br>[dB] | Measurement<br>Type |
|--------------------|-------------------|--------------------------------|-------------------|-------------------|-------------------|----------------|---------------------|
| 10360              | 56.80             | -2.55                          | V                 | 54.25             | 68.20             | 13.95          | PK                  |
| 15540              | 53.25             | -1.04                          | V                 | 52.21             | 73.98             | 21.77          | PK                  |
| 15540              | 40.09             | -1.04                          | V                 | 39.05             | 53.98             | 14.93          | AV                  |
| 10360              | 55.55             | -2.55                          | H                 | 53.00             | 68.20             | 15.20          | PK                  |
| 15540              | 52.77             | -1.04                          | H                 | 51.73             | 73.98             | 22.25          | PK                  |
| 15540              | 39.90             | -1.04                          | H                 | 38.86             | 53.98             | 15.12          | AV                  |

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] | A.F.+C.L.<br>-A.G+D.F.<br>[dB] | ANT. POL<br>[H/V] | Total<br>[dBuV/m] | Limit<br>[dBuV/m] | Margin<br>[dB] | Measurement<br>Type |
|--------------------|-------------------|--------------------------------|-------------------|-------------------|-------------------|----------------|---------------------|
| 10400              | 56.89             | -1.97                          | V                 | 54.92             | 68.20             | 13.28          | PK                  |
| 15600              | 53.15             | -2.39                          | V                 | 50.76             | 73.98             | 23.22          | PK                  |
| 15600              | 39.69             | -2.39                          | V                 | 37.30             | 53.98             | 16.68          | AV                  |
| 10400              | 54.20             | -1.97                          | H                 | 52.23             | 68.20             | 15.97          | PK                  |
| 15600              | 52.90             | -2.39                          | H                 | 50.51             | 73.98             | 23.47          | PK                  |
| 15600              | 38.50             | -2.39                          | H                 | 36.11             | 53.98             | 17.87          | AV                  |

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] | A.F.+C.L.<br>-A.G+D.F.<br>[dB] | ANT. POL<br>[H/V] | Total<br>[dBuV/m] | Limit<br>[dBuV/m] | Margin<br>[dB] | Measurement<br>Type |
|--------------------|-------------------|--------------------------------|-------------------|-------------------|-------------------|----------------|---------------------|
| 10480              | 56.93             | -3.16                          | V                 | 53.77             | 68.20             | 14.43          | PK                  |
| 15720              | 52.36             | -2.57                          | V                 | 49.79             | 73.98             | 24.19          | PK                  |
| 15720              | 39.23             | -2.57                          | V                 | 36.66             | 53.98             | 17.32          | AV                  |
| 10480              | 55.71             | -3.16                          | H                 | 52.55             | 68.20             | 15.65          | PK                  |
| 15720              | 51.74             | -2.57                          | H                 | 49.17             | 73.98             | 24.81          | PK                  |
| 15720              | 38.52             | -2.57                          | H                 | 35.95             | 53.98             | 18.03          | AV                  |

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

| Frequency<br>[MHz] | Reading<br>[dBuV] | A.F.+C.L.<br>-A.G+D.F.<br>[dB] | ANT. POL<br>[H/V] | Total<br>[dBuV/m] | Limit<br>[dBuV/m] | Margin<br>[dB] | Measurement<br>Type |
|--------------------|-------------------|--------------------------------|-------------------|-------------------|-------------------|----------------|---------------------|
| 10520              | 58.45             | -3.06                          | V                 | 55.39             | 68.20             | 12.81          | PK                  |
| 15780              | 52.94             | -2.55                          | V                 | 50.39             | 73.98             | 23.59          | PK                  |
| 15780              | 38.14             | -2.55                          | V                 | 35.59             | 53.98             | 18.39          | AV                  |
| 10520              | 58.17             | -3.06                          | H                 | 55.11             | 68.20             | 13.09          | PK                  |
| 15780              | 51.63             | -2.55                          | H                 | 49.08             | 73.98             | 24.90          | PK                  |
| 15780              | 39.20             | -2.55                          | H                 | 36.65             | 53.98             | 17.33          | AV                  |

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

| Frequency [MHz] | Reading [dBuV] | A.F.+C.L.<br>-A.G+D.F. [dB] | ANT. POL [H/V] | Total [dBuV/m] | Limit [dBuV/m] | Margin [dB] | Measurement Type |
|-----------------|----------------|-----------------------------|----------------|----------------|----------------|-------------|------------------|
| 10600           | 58.79          | -2.95                       | V              | 55.84          | 73.98          | 18.14       | PK               |
| 10600           | 44.93          | -2.95                       | V              | 41.98          | 53.98          | 12.00       | AV               |
| 15900           | 52.53          | -3.45                       | V              | 49.08          | 73.98          | 24.90       | PK               |
| 15900           | 39.36          | -3.45                       | V              | 35.91          | 53.98          | 18.07       | AV               |
| 10600           | 57.56          | -2.95                       | H              | 54.61          | 73.98          | 19.37       | PK               |
| 10600           | 43.79          | -2.95                       | H              | 40.84          | 53.98          | 13.14       | AV               |
| 15900           | 51.88          | -3.45                       | H              | 48.43          | 73.98          | 25.55       | PK               |
| 15900           | 39.31          | -3.45                       | H              | 35.86          | 53.98          | 18.12       | AV               |

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

| Frequency [MHz] | Reading [dBuV] | A.F.+C.L.<br>-A.G+D.F. [dB] | ANT. POL [H/V] | Total [dBuV/m] | Limit [dBuV/m] | Margin [dB] | Measurement Type |
|-----------------|----------------|-----------------------------|----------------|----------------|----------------|-------------|------------------|
| 10640           | 59.06          | -2.94                       | V              | 56.12          | 73.98          | 17.86       | PK               |
| 10640           | 44.76          | -2.94                       | V              | 41.82          | 53.98          | 12.16       | AV               |
| 15960           | 52.62          | -3.22                       | V              | 49.40          | 73.98          | 24.58       | PK               |
| 15960           | 40.08          | -3.22                       | V              | 36.86          | 53.98          | 17.12       | AV               |
| 10640           | 58.52          | -2.94                       | H              | 55.58          | 73.98          | 18.40       | PK               |
| 10640           | 43.56          | -2.94                       | H              | 40.62          | 53.98          | 13.36       | AV               |
| 15960           | 52.39          | -3.22                       | H              | 49.17          | 73.98          | 24.81       | PK               |
| 15960           | 40.03          | -3.22                       | H              | 36.81          | 53.98          | 17.17       | 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] | A.F.+C.L.<br>-A.G+D.F.<br>[dB] | ANT. POL<br>[H/V] | Total<br>[dBuV/m] | Limit<br>[dBuV/m] | Margin<br>[dB] | Measurement<br>Type |
|--------------------|-------------------|--------------------------------|-------------------|-------------------|-------------------|----------------|---------------------|
| 11000              | 53.81             | -1.91                          | V                 | 51.90             | 73.98             | 22.08          | PK                  |
| 11000              | 40.59             | -1.91                          | V                 | 38.68             | 53.98             | 15.30          | AV                  |
| 16500              | 52.57             | -0.72                          | V                 | 51.85             | 68.20             | 16.35          | PK                  |
| 11000              | 52.71             | -1.91                          | H                 | 50.80             | 73.98             | 23.18          | PK                  |
| 11000              | 40.25             | -1.91                          | H                 | 38.34             | 53.98             | 15.64          | AV                  |
| 16500              | 51.50             | -0.72                          | H                 | 50.78             | 68.20             | 17.42          | PK                  |

Band : UNII 2C  
 Operation Mode: 802.11 a  
 Transfer Rate: 6 Mbps  
 Operating Frequency 5600 MHz  
 Channel No. 120 Ch

| Frequency<br>[MHz] | Reading<br>[dBuV] | A.F.+C.L.<br>-A.G+D.F.<br>[dB] | ANT. POL<br>[H/V] | Total<br>[dBuV/m] | Limit<br>[dBuV/m] | Margin<br>[dB] | Measurement<br>Type |
|--------------------|-------------------|--------------------------------|-------------------|-------------------|-------------------|----------------|---------------------|
| 11200              | 56.84             | -2.24                          | V                 | 54.60             | 73.98             | 19.38          | PK                  |
| 11200              | 43.88             | -2.24                          | V                 | 41.64             | 53.98             | 12.34          | AV                  |
| 16800              | 52.16             | 1.54                           | V                 | 53.70             | 68.20             | 14.50          | PK                  |
| 11200              | 56.71             | -2.24                          | H                 | 54.47             | 73.98             | 19.51          | PK                  |
| 11200              | 43.26             | -2.24                          | H                 | 41.02             | 53.98             | 12.96          | AV                  |
| 16800              | 51.73             | 1.54                           | H                 | 53.27             | 68.20             | 14.93          | PK                  |

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] | A.F.+C.L.<br>-A.G+D.F.<br>[dB] | ANT. POL<br>[H/V] | Total<br>[dBuV/m] | Limit<br>[dBuV/m] | Margin<br>[dB] | Measurement<br>Type |
|--------------------|-------------------|--------------------------------|-------------------|-------------------|-------------------|----------------|---------------------|
| 11440              | 53.73             | -1.88                          | V                 | 51.85             | 73.98             | 22.13          | PK                  |
| 11440              | 40.39             | -1.88                          | V                 | 38.51             | 53.98             | 15.47          | AV                  |
| 17160              | 52.54             | 3.28                           | V                 | 55.82             | 68.20             | 12.38          | PK                  |
| 11440              | 52.65             | -1.88                          | H                 | 50.77             | 73.98             | 23.21          | PK                  |
| 11440              | 40.02             | -1.88                          | H                 | 38.14             | 53.98             | 15.84          | AV                  |
| 17160              | 51.55             | 3.28                           | H                 | 54.83             | 68.20             | 13.37          | PK                  |

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] | A.F.+C.L.<br>-A.G+D.F.<br>[dB] | ANT. POL<br>[H/V] | Total<br>[dBuV/m] | Limit<br>[dBuV/m] | Margin<br>[dB] | Measurement<br>Type |
|--------------------|-------------------|--------------------------------|-------------------|-------------------|-------------------|----------------|---------------------|
| 11490              | 55.72             | -2.07                          | V                 | 53.65             | 73.98             | 20.33          | PK                  |
| 11490              | 42.17             | -2.07                          | V                 | 40.10             | 53.98             | 13.88          | AV                  |
| 17235              | 52.15             | 3.87                           | V                 | 56.02             | 68.20             | 12.18          | PK                  |
| 11490              | 54.82             | -2.07                          | H                 | 52.75             | 73.98             | 21.23          | PK                  |
| 11490              | 40.88             | -2.07                          | H                 | 38.81             | 53.98             | 15.17          | AV                  |
| 17235              | 51.70             | 3.87                           | H                 | 55.57             | 68.20             | 12.63          | PK                  |

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] | A.F.+C.L.<br>-A.G+D.F.<br>[dB] | ANT. POL<br>[H/V] | Total<br>[dBuV/m] | Limit<br>[dBuV/m] | Margin<br>[dB] | Measurement<br>Type |
|--------------------|-------------------|--------------------------------|-------------------|-------------------|-------------------|----------------|---------------------|
| 11570              | 54.25             | -2.13                          | V                 | 52.12             | 73.98             | 21.86          | PK                  |
| 11570              | 41.34             | -2.13                          | V                 | 39.21             | 53.98             | 14.77          | AV                  |
| 17355              | 51.41             | 4.56                           | V                 | 55.97             | 68.20             | 12.24          | PK                  |
| 11570              | 53.47             | -2.13                          | H                 | 51.34             | 73.98             | 22.64          | PK                  |
| 11570              | 40.76             | -2.13                          | H                 | 38.63             | 53.98             | 15.35          | AV                  |
| 17355              | 50.80             | 4.56                           | H                 | 55.36             | 68.20             | 12.85          | 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] | A.F.+C.L.<br>-A.G+D.F.<br>[dB] | ANT. POL<br>[H/V] | Total<br>[dBuV/m] | Limit<br>[dBuV/m] | Margin<br>[dB] | Measurement<br>Type |
|--------------------|-------------------|--------------------------------|-------------------|-------------------|-------------------|----------------|---------------------|
| 11650              | 57.06             | -2.46                          | V                 | 54.60             | 73.98             | 19.38          | PK                  |
| 11650              | 44.17             | -2.46                          | V                 | 41.71             | 53.98             | 12.27          | AV                  |
| 17475              | 52.11             | 5.67                           | V                 | 57.78             | 68.20             | 10.43          | PK                  |
| 11650              | 56.32             | -2.46                          | H                 | 53.86             | 73.98             | 20.12          | PK                  |
| 11650              | 43.82             | -2.46                          | H                 | 41.36             | 53.98             | 12.62          | AV                  |
| 17475              | 51.53             | 5.67                           | H                 | 57.20             | 68.20             | 11.01          | PK                  |

Band : UNII 1  
 Operation Mode: 802.11 n(HT20)  
 Transfer MCS Index: MCS0  
 Operating Frequency 5180 MHz  
 Channel No. 36 Ch

| Frequency<br>[MHz] | Reading<br>[dBuV] | A.F.+C.L.<br>-A.G+D.F.<br>[dB] | ANT. POL<br>[H/V] | Total<br>[dBuV/m] | Limit<br>[dBuV/m] | Margin<br>[dB] | Measurement<br>Type |
|--------------------|-------------------|--------------------------------|-------------------|-------------------|-------------------|----------------|---------------------|
| 10360              | 57.01             | -2.55                          | V                 | 54.46             | 68.20             | 13.74          | PK                  |
| 15540              | 52.90             | -1.04                          | V                 | 51.86             | 73.98             | 22.12          | PK                  |
| 15540              | 40.13             | -1.04                          | V                 | 39.09             | 53.98             | 14.89          | AV                  |
| 10360              | 55.86             | -2.55                          | H                 | 53.31             | 68.20             | 14.89          | PK                  |
| 15540              | 51.72             | -1.04                          | H                 | 50.68             | 73.98             | 23.30          | PK                  |
| 15540              | 39.90             | -1.04                          | H                 | 38.86             | 53.98             | 15.12          | AV                  |

Band : UNII 1  
 Operation Mode: 802.11 n(HT20)  
 Transfer MCS Index: MCS0  
 Operating Frequency 5200 MHz  
 Channel No. 40 Ch

| Frequency<br>[MHz] | Reading<br>[dBuV] | A.F.+C.L.<br>-A.G+D.F.<br>[dB] | ANT. POL<br>[H/V] | Total<br>[dBuV/m] | Limit<br>[dBuV/m] | Margin<br>[dB] | Measurement<br>Type |
|--------------------|-------------------|--------------------------------|-------------------|-------------------|-------------------|----------------|---------------------|
| 10400              | 55.88             | -1.97                          | V                 | 53.91             | 68.20             | 14.29          | PK                  |
| 15600              | 52.99             | -2.39                          | V                 | 50.60             | 73.98             | 23.38          | PK                  |
| 15600              | 39.87             | -2.39                          | V                 | 37.48             | 53.98             | 16.50          | AV                  |
| 10400              | 54.68             | -1.97                          | H                 | 52.71             | 68.20             | 15.49          | PK                  |
| 15600              | 51.80             | -2.39                          | H                 | 49.41             | 73.98             | 24.57          | PK                  |
| 15600              | 39.20             | -2.39                          | H                 | 36.81             | 53.98             | 17.17          | AV                  |

Band : UNII 1  
 Operation Mode: 802.11 n(HT20)  
 Transfer MCS Index: MCS0  
 Operating Frequency 5240 MHz  
 Channel No. 48 Ch

| Frequency<br>[MHz] | Reading<br>[dBuV] | A.F.+C.L.<br>-A.G+D.F.<br>[dB] | ANT. POL<br>[H/V] | Total<br>[dBuV/m] | Limit<br>[dBuV/m] | Margin<br>[dB] | Measurement<br>Type |
|--------------------|-------------------|--------------------------------|-------------------|-------------------|-------------------|----------------|---------------------|
| 10480              | 56.30             | -3.16                          | V                 | 53.14             | 68.20             | 15.06          | PK                  |
| 15720              | 52.48             | -2.57                          | V                 | 49.91             | 73.98             | 24.07          | PK                  |
| 15720              | 39.49             | -2.57                          | V                 | 36.92             | 53.98             | 17.06          | AV                  |
| 10480              | 55.26             | -3.16                          | H                 | 52.10             | 68.20             | 16.10          | PK                  |
| 15720              | 51.66             | -2.57                          | H                 | 49.09             | 73.98             | 24.89          | PK                  |
| 15720              | 38.52             | -2.57                          | H                 | 35.95             | 53.98             | 18.03          | AV                  |

Band : UNII 2A  
 Operation Mode: 802.11 n(HT20)  
 Transfer MCS Index: MCS0  
 Operating Frequency 5260 MHz  
 Channel No. 52 Ch

| Frequency<br>[MHz] | Reading<br>[dBuV] | A.F.+C.L.<br>-A.G+D.F.<br>[dB] | ANT. POL<br>[H/V] | Total<br>[dBuV/m] | Limit<br>[dBuV/m] | Margin<br>[dB] | Measurement<br>Type |
|--------------------|-------------------|--------------------------------|-------------------|-------------------|-------------------|----------------|---------------------|
| 10520              | 57.58             | -3.06                          | V                 | 54.52             | 68.20             | 13.68          | PK                  |
| 15780              | 52.57             | -2.55                          | V                 | 50.02             | 73.98             | 23.96          | PK                  |
| 15780              | 38.86             | -2.55                          | V                 | 36.31             | 53.98             | 17.67          | AV                  |
| 10520              | 55.79             | -3.06                          | H                 | 52.73             | 68.20             | 15.47          | PK                  |
| 15780              | 51.07             | -2.55                          | H                 | 48.52             | 73.98             | 25.46          | PK                  |
| 15780              | 38.22             | -2.55                          | H                 | 35.67             | 53.98             | 18.31          | AV                  |

Band : UNII 2A  
 Operation Mode: 802.11 n(HT20)  
 Transfer MCS Index: MCS0  
 Operating Frequency 5300 MHz  
 Channel No. 60 Ch

| Frequency<br>[MHz] | Reading<br>[dBuV] | A.F.+C.L.<br>-A.G+D.F.<br>[dB] | ANT. POL<br>[H/V] | Total<br>[dBuV/m] | Limit<br>[dBuV/m] | Margin<br>[dB] | Measurement<br>Type |
|--------------------|-------------------|--------------------------------|-------------------|-------------------|-------------------|----------------|---------------------|
| 10600              | 57.35             | -2.95                          | V                 | 54.40             | 73.98             | 19.58          | PK                  |
| 10600              | 44.55             | -2.95                          | V                 | 41.60             | 53.98             | 12.38          | AV                  |
| 15900              | 52.22             | -3.45                          | V                 | 48.77             | 73.98             | 25.21          | PK                  |
| 15900              | 39.32             | -3.45                          | V                 | 35.87             | 53.98             | 18.11          | AV                  |
| 10600              | 57.06             | -2.95                          | H                 | 54.11             | 73.98             | 19.87          | PK                  |
| 10600              | 43.92             | -2.95                          | H                 | 40.97             | 53.98             | 13.01          | AV                  |
| 15900              | 51.78             | -3.45                          | H                 | 48.33             | 73.98             | 25.65          | PK                  |
| 15900              | 39.18             | -3.45                          | H                 | 35.73             | 53.98             | 18.25          | AV                  |

Band : UNII 2A  
 Operation Mode: 802.11 n(HT20)  
 Transfer MCS Index: MCS0  
 Operating Frequency 5320 MHz  
 Channel No. 64 Ch

| Frequency<br>[MHz] | Reading<br>[dBuV] | A.F.+C.L.<br>-A.G+D.F.<br>[dB] | ANT. POL<br>[H/V] | Total<br>[dBuV/m] | Limit<br>[dBuV/m] | Margin<br>[dB] | Measurement<br>Type |
|--------------------|-------------------|--------------------------------|-------------------|-------------------|-------------------|----------------|---------------------|
| 10640              | 57.32             | -2.94                          | V                 | 54.38             | 73.98             | 19.60          | PK                  |
| 10640              | 44.04             | -2.94                          | V                 | 41.10             | 53.98             | 12.88          | AV                  |
| 15960              | 52.78             | -3.22                          | V                 | 49.56             | 73.98             | 24.42          | PK                  |
| 15960              | 40.12             | -3.22                          | V                 | 36.90             | 53.98             | 17.08          | AV                  |
| 10640              | 56.81             | -2.94                          | H                 | 53.87             | 73.98             | 20.11          | PK                  |
| 10640              | 43.99             | -2.94                          | H                 | 41.05             | 53.98             | 12.93          | AV                  |
| 15960              | 51.94             | -3.22                          | H                 | 48.72             | 73.98             | 25.26          | PK                  |
| 15960              | 39.88             | -3.22                          | H                 | 36.66             | 53.98             | 17.32          | AV                  |

Band : UNII 2C  
 Operation Mode: 802.11 n(HT20)  
 Transfer MCS Index: MCS0  
 Operating Frequency 5500 MHz  
 Channel No. 100 Ch

| Frequency<br>[MHz] | Reading<br>[dBuV] | A.F.+C.L.<br>-A.G+D.F.<br>[dB] | ANT. POL<br>[H/V] | Total<br>[dBuV/m] | Limit<br>[dBuV/m] | Margin<br>[dB] | Measurement<br>Type |
|--------------------|-------------------|--------------------------------|-------------------|-------------------|-------------------|----------------|---------------------|
| 11000              | 53.67             | -1.91                          | V                 | 51.76             | 73.98             | 22.22          | PK                  |
| 11000              | 40.81             | -1.91                          | V                 | 38.90             | 53.98             | 15.08          | AV                  |
| 16500              | 52.38             | -0.72                          | V                 | 51.66             | 68.20             | 16.54          | PK                  |
| 11000              | 52.81             | -1.91                          | H                 | 50.90             | 73.98             | 23.08          | PK                  |
| 11000              | 40.66             | -1.91                          | H                 | 38.75             | 53.98             | 15.23          | AV                  |
| 16500              | 51.44             | -0.72                          | H                 | 50.72             | 68.20             | 17.48          | PK                  |

Band : UNII 2C  
 Operation Mode: 802.11 n(HT20)  
 Transfer MCS Index: MCS0  
 Operating Frequency 5600 MHz  
 Channel No. 120 Ch

| Frequency<br>[MHz] | Reading<br>[dBuV] | A.F.+C.L.<br>-A.G+D.F.<br>[dB] | ANT. POL<br>[H/V] | Total<br>[dBuV/m] | Limit<br>[dBuV/m] | Margin<br>[dB] | Measurement<br>Type |
|--------------------|-------------------|--------------------------------|-------------------|-------------------|-------------------|----------------|---------------------|
| 11200              | 55.37             | -2.24                          | V                 | 53.13             | 73.98             | 20.85          | PK                  |
| 11200              | 42.50             | -2.24                          | V                 | 40.26             | 53.98             | 13.72          | AV                  |
| 16800              | 51.75             | 1.54                           | V                 | 53.29             | 68.20             | 14.91          | PK                  |
| 11200              | 54.73             | -2.24                          | H                 | 52.49             | 73.98             | 21.49          | PK                  |
| 11200              | 41.92             | -2.24                          | H                 | 39.68             | 53.98             | 14.30          | AV                  |
| 16800              | 51.38             | 1.54                           | H                 | 52.92             | 68.20             | 15.28          | PK                  |

Band : UNII 2C  
 Operation Mode: 802.11 n(HT20)  
 Transfer MCS Index: MCS0  
 Operating Frequency 5720 MHz  
 Channel No. 144 Ch

| Frequency<br>[MHz] | Reading<br>[dBuV] | A.F.+C.L.<br>-A.G+D.F.<br>[dB] | ANT. POL<br>[H/V] | Total<br>[dBuV/m] | Limit<br>[dBuV/m] | Margin<br>[dB] | Measurement<br>Type |
|--------------------|-------------------|--------------------------------|-------------------|-------------------|-------------------|----------------|---------------------|
| 11440              | 53.60             | -1.88                          | V                 | 51.72             | 73.98             | 22.26          | PK                  |
| 11440              | 40.82             | -1.88                          | V                 | 38.94             | 53.98             | 15.04          | AV                  |
| 17160              | 51.83             | 3.28                           | V                 | 55.11             | 68.20             | 13.09          | PK                  |
| 11440              | 53.22             | -1.88                          | H                 | 51.34             | 73.98             | 22.64          | PK                  |
| 11440              | 40.35             | -1.88                          | H                 | 38.47             | 53.98             | 15.51          | AV                  |
| 17160              | 51.04             | 3.28                           | H                 | 54.32             | 68.20             | 13.88          | PK                  |

Band : UNII 3  
 Operation Mode: 802.11 n(HT20)  
 Transfer MCS Index: MCS0  
 Operating Frequency 5745MHz  
 Channel No. 149 Ch

| Frequency<br>[MHz] | Reading<br>[dBuV] | A.F.+C.L.<br>-A.G+D.F.<br>[dB] | ANT. POL<br>[H/V] | Total<br>[dBuV/m] | Limit<br>[dBuV/m] | Margin<br>[dB] | Measurement<br>Type |
|--------------------|-------------------|--------------------------------|-------------------|-------------------|-------------------|----------------|---------------------|
| 11490              | 56.24             | -2.07                          | V                 | 54.17             | 73.98             | 19.81          | PK                  |
| 11490              | 42.51             | -2.07                          | V                 | 40.44             | 53.98             | 13.54          | AV                  |
| 17235              | 52.31             | 3.87                           | V                 | 56.18             | 68.20             | 12.02          | PK                  |
| 11490              | 55.03             | -2.07                          | H                 | 52.96             | 73.98             | 21.02          | PK                  |
| 11490              | 41.36             | -2.07                          | H                 | 39.29             | 53.98             | 14.69          | AV                  |
| 17235              | 51.48             | 3.87                           | H                 | 55.35             | 68.20             | 12.85          | PK                  |

Band : UNII 3  
 Operation Mode: 802.11 n(HT20)  
 Transfer MCS Index: MCS0  
 Operating Frequency 5785 MHz  
 Channel No. 157 Ch

| Frequency<br>[MHz] | Reading<br>[dBuV] | A.F.+C.L.<br>-A.G+D.F.<br>[dB] | ANT. POL<br>[H/V] | Total<br>[dBuV/m] | Limit<br>[dBuV/m] | Margin<br>[dB] | Measurement<br>Type |
|--------------------|-------------------|--------------------------------|-------------------|-------------------|-------------------|----------------|---------------------|
| 11570              | 56.07             | -2.13                          | V                 | 53.94             | 73.98             | 20.04          | PK                  |
| 11570              | 42.80             | -2.13                          | V                 | 40.67             | 53.98             | 13.31          | AV                  |
| 17355              | 52.00             | 4.56                           | V                 | 56.56             | 68.20             | 11.65          | PK                  |
| 11570              | 55.45             | -2.13                          | H                 | 53.32             | 73.98             | 20.66          | PK                  |
| 11570              | 41.66             | -2.13                          | H                 | 39.53             | 53.98             | 14.45          | AV                  |
| 17355              | 51.22             | 4.56                           | H                 | 55.78             | 68.20             | 12.43          | PK                  |

Band : UNII 3  
 Operation Mode: 802.11 n(HT20)  
 Transfer MCS Index: MCS0  
 Operating Frequency 5825 MHz  
 Channel No. 165 Ch

| Frequency<br>[MHz] | Reading<br>[dBuV] | A.F.+C.L.<br>-A.G+D.F.<br>[dB] | ANT. POL<br>[H/V] | Total<br>[dBuV/m] | Limit<br>[dBuV/m] | Margin<br>[dB] | Measurement<br>Type |
|--------------------|-------------------|--------------------------------|-------------------|-------------------|-------------------|----------------|---------------------|
| 11650              | 57.78             | -2.46                          | V                 | 55.32             | 73.98             | 18.66          | PK                  |
| 11650              | 44.00             | -2.46                          | V                 | 41.54             | 53.98             | 12.44          | AV                  |
| 17475              | 52.52             | 5.67                           | V                 | 58.19             | 68.20             | 10.02          | PK                  |
| 11650              | 56.81             | -2.46                          | H                 | 54.35             | 73.98             | 19.63          | PK                  |
| 11650              | 42.83             | -2.46                          | H                 | 40.37             | 53.98             | 13.61          | AV                  |
| 17475              | 51.60             | 5.67                           | H                 | 57.27             | 68.20             | 10.94          | PK                  |

Band : UNII 1  
 Operation Mode: 802.11 ac(VHT20)  
 Transfer MCS Index: MCS0  
 Operating Frequency 5180 MHz  
 Channel No. 36 Ch

| Frequency<br>[MHz] | Reading<br>[dBuV] | A.F.+C.L.<br>-A.G+D.F.<br>[dB] | ANT. POL<br>[H/V] | Total<br>[dBuV/m] | Limit<br>[dBuV/m] | Margin<br>[dB] | Measurement<br>Type |
|--------------------|-------------------|--------------------------------|-------------------|-------------------|-------------------|----------------|---------------------|
| 10360              | 55.92             | -2.55                          | V                 | 53.37             | 68.20             | 14.83          | PK                  |
| 15540              | 53.10             | -1.04                          | V                 | 52.06             | 73.98             | 21.92          | PK                  |
| 15540              | 40.09             | -1.04                          | V                 | 39.05             | 53.98             | 14.93          | AV                  |
| 10360              | 54.63             | -2.55                          | H                 | 52.08             | 68.20             | 16.12          | PK                  |
| 15540              | 52.15             | -1.04                          | H                 | 51.11             | 73.98             | 22.87          | PK                  |
| 15540              | 39.92             | -1.04                          | H                 | 38.88             | 53.98             | 15.10          | AV                  |

Band : UNII 1  
 Operation Mode: 802.11 ac(VHT20)  
 Transfer MCS Index: MCS0  
 Operating Frequency 5200 MHz  
 Channel No. 40 Ch

| Frequency<br>[MHz] | Reading<br>[dBuV] | A.F.+C.L.<br>-A.G+D.F.<br>[dB] | ANT. POL<br>[H/V] | Total<br>[dBuV/m] | Limit<br>[dBuV/m] | Margin<br>[dB] | Measurement<br>Type |
|--------------------|-------------------|--------------------------------|-------------------|-------------------|-------------------|----------------|---------------------|
| 10400              | 56.08             | -1.97                          | V                 | 54.11             | 68.20             | 14.09          | PK                  |
| 15600              | 53.62             | -2.39                          | V                 | 51.23             | 73.98             | 22.75          | PK                  |
| 15600              | 40.01             | -2.39                          | V                 | 37.62             | 53.98             | 16.36          | AV                  |
| 10400              | 55.40             | -1.97                          | H                 | 53.43             | 68.20             | 14.77          | PK                  |
| 15600              | 52.86             | -2.39                          | H                 | 50.47             | 73.98             | 23.51          | PK                  |
| 15600              | 39.81             | -2.39                          | H                 | 37.42             | 53.98             | 16.56          | AV                  |

Band : UNII 1  
 Operation Mode: 802.11 ac(VHT20)  
 Transfer MCS Index: MCS0  
 Operating Frequency 5240 MHz  
 Channel No. 48 Ch

| Frequency [MHz] | Reading [dBuV] | A.F.+C.L. -A.G+D.F. [dB] | ANT. POL [H/V] | Total [dBuV/m] | Limit [dBuV/m] | Margin [dB] | Measurement Type |
|-----------------|----------------|--------------------------|----------------|----------------|----------------|-------------|------------------|
| 10480           | 58.80          | -3.16                    | V              | 55.64          | 68.20          | 12.56       | PK               |
| 15720           | 52.74          | -2.57                    | V              | 50.17          | 73.98          | 23.81       | PK               |
| 15720           | 39.49          | -2.57                    | V              | 36.92          | 53.98          | 17.06       | AV               |
| 10480           | 57.82          | -3.16                    | H              | 54.66          | 68.20          | 13.54       | PK               |
| 15720           | 51.18          | -2.57                    | H              | 48.61          | 73.98          | 25.37       | PK               |
| 15720           | 38.50          | -2.57                    | H              | 35.93          | 53.98          | 18.05       | AV               |

Band : UNII 2A  
 Operation Mode: 802.11 ac(VHT20)  
 Transfer MCS Index: MCS0  
 Operating Frequency 5260MHz  
 Channel No. 52 Ch

| Frequency [MHz] | Reading [dBuV] | A.F.+C.L. -A.G+D.F. [dB] | ANT. POL [H/V] | Total [dBuV/m] | Limit [dBuV/m] | Margin [dB] | Measurement Type |
|-----------------|----------------|--------------------------|----------------|----------------|----------------|-------------|------------------|
| 10520           | 57.81          | -3.06                    | V              | 54.75          | 68.20          | 13.45       | PK               |
| 15780           | 52.83          | -2.55                    | V              | 50.28          | 73.98          | 23.70       | PK               |
| 15780           | 38.94          | -2.55                    | V              | 36.39          | 53.98          | 17.59       | AV               |
| 10520           | 56.25          | -3.06                    | H              | 53.19          | 68.20          | 15.01       | PK               |
| 15780           | 51.18          | -2.55                    | H              | 48.63          | 73.98          | 25.35       | PK               |
| 15780           | 38.05          | -2.55                    | H              | 35.50          | 53.98          | 18.48       | AV               |

Band : UNII 2A  
 Operation Mode: 802.11 ac(VHT20)  
 Transfer MCS Index: MCS0  
 Operating Frequency 5300 MHz  
 Channel No. 60 Ch

| Frequency [MHz] | Reading [dBuV] | A.F.+C.L.<br>-A.G+D.F. [dB] | ANT. POL [H/V] | Total [dBuV/m] | Limit [dBuV/m] | Margin [dB] | Measurement Type |
|-----------------|----------------|-----------------------------|----------------|----------------|----------------|-------------|------------------|
| 10600           | 57.16          | -2.95                       | V              | 54.21          | 73.98          | 19.77       | PK               |
| 10600           | 43.89          | -2.95                       | V              | 40.94          | 53.98          | 13.04       | AV               |
| 15900           | 52.30          | -3.45                       | V              | 48.85          | 73.98          | 25.13       | PK               |
| 15900           | 39.40          | -3.45                       | V              | 35.95          | 53.98          | 18.03       | AV               |
| 10600           | 56.48          | -2.95                       | H              | 53.53          | 73.98          | 20.45       | PK               |
| 10600           | 42.76          | -2.95                       | H              | 39.81          | 53.98          | 14.17       | AV               |
| 15900           | 51.49          | -3.45                       | H              | 48.04          | 73.98          | 25.94       | PK               |
| 15900           | 38.88          | -3.45                       | H              | 35.43          | 53.98          | 18.55       | AV               |

Band : UNII 2A  
 Operation Mode: 802.11 ac(VHT20)  
 Transfer MCS Index: MCS0  
 Operating Frequency 5320 MHz  
 Channel No. 64 Ch

| Frequency [MHz] | Reading [dBuV] | A.F.+C.L.<br>-A.G+D.F. [dB] | ANT. POL [H/V] | Total [dBuV/m] | Limit [dBuV/m] | Margin [dB] | Measurement Type |
|-----------------|----------------|-----------------------------|----------------|----------------|----------------|-------------|------------------|
| 10640           | 55.80          | -2.94                       | V              | 52.86          | 73.98          | 21.12       | PK               |
| 10640           | 43.23          | -2.94                       | V              | 40.29          | 53.98          | 13.69       | AV               |
| 15960           | 52.97          | -3.22                       | V              | 49.75          | 73.98          | 24.23       | PK               |
| 15960           | 40.04          | -3.22                       | V              | 36.82          | 53.98          | 17.16       | AV               |
| 10640           | 55.17          | -2.94                       | H              | 52.23          | 73.98          | 21.75       | PK               |
| 10640           | 42.81          | -2.94                       | H              | 39.87          | 53.98          | 14.11       | AV               |
| 15960           | 52.68          | -3.22                       | H              | 49.46          | 73.98          | 24.52       | PK               |
| 15960           | 39.88          | -3.22                       | H              | 36.66          | 53.98          | 17.32       | AV               |

Band : UNII 2C  
 Operation Mode: 802.11 ac(VHT20)  
 Transfer MCS Index: MCS0  
 Operating Frequency 5500 MHz  
 Channel No. 100 Ch

| Frequency [MHz] | Reading [dBuV] | A.F.+C.L. -A.G+D.F. [dB] | ANT. POL [H/V] | Total [dBuV/m] | Limit [dBuV/m] | Margin [dB] | Measurement Type |
|-----------------|----------------|--------------------------|----------------|----------------|----------------|-------------|------------------|
| 11000           | 54.25          | -1.91                    | V              | 52.34          | 73.98          | 21.64       | PK               |
| 11000           | 40.74          | -1.91                    | V              | 38.83          | 53.98          | 15.15       | AV               |
| 16500           | 52.85          | -0.72                    | V              | 52.13          | 68.20          | 16.07       | PK               |
| 11000           | 53.27          | -1.91                    | H              | 51.36          | 73.98          | 22.62       | PK               |
| 11000           | 40.63          | -1.91                    | H              | 38.72          | 53.98          | 15.26       | AV               |
| 16500           | 52.18          | -0.72                    | H              | 51.46          | 68.20          | 16.74       | PK               |

Band : UNII 2C  
 Operation Mode: 802.11 ac(VHT20)  
 Transfer MCS Index: MCS0  
 Operating Frequency 5600 MHz  
 Channel No. 120 Ch

| Frequency [MHz] | Reading [dBuV] | A.F.+C.L. -A.G+D.F. [dB] | ANT. POL [H/V] | Total [dBuV/m] | Limit [dBuV/m] | Margin [dB] | Measurement Type |
|-----------------|----------------|--------------------------|----------------|----------------|----------------|-------------|------------------|
| 11200           | 57.78          | -2.24                    | V              | 55.54          | 73.98          | 18.44       | PK               |
| 11200           | 43.07          | -2.24                    | V              | 40.83          | 53.98          | 13.15       | AV               |
| 16800           | 51.70          | 1.54                     | V              | 53.24          | 68.20          | 14.96       | PK               |
| 11200           | 55.63          | -2.24                    | H              | 53.39          | 73.98          | 20.59       | PK               |
| 11200           | 41.90          | -2.24                    | H              | 39.66          | 53.98          | 14.32       | AV               |
| 16800           | 51.41          | 1.54                     | H              | 52.95          | 68.20          | 15.25       | PK               |

Band : UNII 2C  
 Operation Mode: 802.11 ac(VHT20)  
 Transfer MCS Index: MCS0  
 Operating Frequency 5720 MHz  
 Channel No. 144 Ch

| Frequency<br>[MHz] | Reading<br>[dBuV] | A.F.+C.L.<br>-A.G+D.F.<br>[dB] | ANT. POL<br>[H/V] | Total<br>[dBuV/m] | Limit<br>[dBuV/m] | Margin<br>[dB] | Measurement<br>Type |
|--------------------|-------------------|--------------------------------|-------------------|-------------------|-------------------|----------------|---------------------|
| 11440              | 52.97             | -1.88                          | V                 | 51.09             | 73.98             | 22.89          | PK                  |
| 11440              | 40.26             | -1.88                          | V                 | 38.38             | 53.98             | 15.60          | AV                  |
| 17160              | 52.26             | 3.28                           | V                 | 55.54             | 68.20             | 12.66          | PK                  |
| 11440              | 52.26             | -1.88                          | H                 | 50.38             | 73.98             | 23.60          | PK                  |
| 11440              | 40.10             | -1.88                          | H                 | 38.22             | 53.98             | 15.76          | AV                  |
| 17160              | 51.68             | 3.28                           | H                 | 54.96             | 68.20             | 13.24          | PK                  |

Band : UNII 3  
 Operation Mode: 802.11 ac(VHT20)  
 Transfer MCS Index: MCS0  
 Operating Frequency 5745MHz  
 Channel No. 149 Ch

| Frequency<br>[MHz] | Reading<br>[dBuV] | A.F.+C.L.<br>-A.G+D.F.<br>[dB] | ANT. POL<br>[H/V] | Total<br>[dBuV/m] | Limit<br>[dBuV/m] | Margin<br>[dB] | Measurement<br>Type |
|--------------------|-------------------|--------------------------------|-------------------|-------------------|-------------------|----------------|---------------------|
| 11490              | 55.43             | -2.07                          | V                 | 53.36             | 73.98             | 20.62          | PK                  |
| 11490              | 41.49             | -2.07                          | V                 | 39.42             | 53.98             | 14.56          | AV                  |
| 17235              | 52.73             | 3.87                           | V                 | 56.60             | 68.20             | 11.60          | PK                  |
| 11490              | 54.08             | -2.07                          | H                 | 52.01             | 73.98             | 21.97          | PK                  |
| 11490              | 40.43             | -2.07                          | H                 | 38.36             | 53.98             | 15.62          | AV                  |
| 17235              | 51.18             | 3.87                           | H                 | 55.05             | 68.20             | 13.15          | PK                  |

Band : UNII 3  
 Operation Mode: 802.11 ac(VHT20)  
 Transfer MCS Index: MCS0  
 Operating Frequency 5785 MHz  
 Channel No. 157 Ch

| Frequency<br>[MHz] | Reading<br>[dBuV] | A.F.+C.L.<br>-A.G+D.F.<br>[dB] | ANT. POL<br>[H/V] | Total<br>[dBuV/m] | Limit<br>[dBuV/m] | Margin<br>[dB] | Measurement<br>Type |
|--------------------|-------------------|--------------------------------|-------------------|-------------------|-------------------|----------------|---------------------|
| 11570              | 55.52             | -2.13                          | V                 | 53.39             | 73.98             | 20.59          | PK                  |
| 11570              | 42.03             | -2.13                          | V                 | 39.90             | 53.98             | 14.08          | AV                  |
| 17355              | 51.91             | 4.56                           | V                 | 56.47             | 68.20             | 11.74          | PK                  |
| 11570              | 54.60             | -2.13                          | H                 | 52.47             | 73.98             | 21.51          | PK                  |
| 11570              | 41.81             | -2.13                          | H                 | 39.68             | 53.98             | 14.30          | AV                  |
| 17355              | 50.78             | 4.56                           | H                 | 55.34             | 68.20             | 12.87          | PK                  |

Band : UNII 3  
 Operation Mode: 802.11 ac(VHT20)  
 Transfer MCS Index: MCS0  
 Operating Frequency 5825 MHz  
 Channel No. 165 Ch

| Frequency<br>[MHz] | Reading<br>[dBuV] | A.F.+C.L.<br>-A.G+D.F.<br>[dB] | ANT. POL<br>[H/V] | Total<br>[dBuV/m] | Limit<br>[dBuV/m] | Margin<br>[dB] | Measurement<br>Type |
|--------------------|-------------------|--------------------------------|-------------------|-------------------|-------------------|----------------|---------------------|
| 11650              | 56.39             | -2.46                          | V                 | 53.93             | 73.98             | 20.05          | PK                  |
| 11650              | 42.86             | -2.46                          | V                 | 40.40             | 53.98             | 13.58          | AV                  |
| 17475              | 52.74             | 5.67                           | V                 | 58.41             | 68.20             | 9.80           | PK                  |
| 11650              | 55.27             | -2.46                          | H                 | 52.81             | 73.98             | 21.17          | PK                  |
| 11650              | 41.79             | -2.46                          | H                 | 39.33             | 53.98             | 14.65          | AV                  |
| 17475              | 51.83             | 5.67                           | H                 | 57.50             | 68.20             | 10.71          | PK                  |

Band : UNII 1  
 Operation Mode: 802.11 n(HT40)  
 Transfer MCS Index: MCS0  
 Operating Frequency 5190 MHz  
 Channel No. 38 Ch

| Frequency<br>[MHz] | Reading<br>[dBuV] | A.F.+C.L.<br>-A.G+D.F.<br>[dB] | ANT. POL<br>[H/V] | Total<br>[dBuV/m] | Limit<br>[dBuV/m] | Margin<br>[dB] | Measurement<br>Type |
|--------------------|-------------------|--------------------------------|-------------------|-------------------|-------------------|----------------|---------------------|
| 10380              | 55.45             | -2.27                          | V                 | 53.18             | 68.20             | 15.02          | PK                  |
| 15570              | 53.07             | -2.41                          | V                 | 50.66             | 73.98             | 23.32          | PK                  |
| 15570              | 40.51             | -2.41                          | V                 | 38.10             | 53.98             | 15.88          | AV                  |
| 10380              | 54.12             | -2.27                          | H                 | 51.85             | 68.20             | 16.35          | PK                  |
| 15570              | 52.40             | -2.41                          | H                 | 49.99             | 73.98             | 23.99          | PK                  |
| 15570              | 39.80             | -2.41                          | H                 | 37.39             | 53.98             | 16.59          | AV                  |

Band : UNII 1  
 Operation Mode: 802.11 n(HT40)  
 Transfer MCS Index: MCS0  
 Operating Frequency 5230 MHz  
 Channel No. 46 Ch

| Frequency<br>[MHz] | Reading<br>[dBuV] | A.F.+C.L.<br>-A.G+D.F.<br>[dB] | ANT. POL<br>[H/V] | Total<br>[dBuV/m] | Limit<br>[dBuV/m] | Margin<br>[dB] | Measurement<br>Type |
|--------------------|-------------------|--------------------------------|-------------------|-------------------|-------------------|----------------|---------------------|
| 10460              | 56.85             | -2.96                          | V                 | 53.89             | 68.20             | 14.31          | PK                  |
| 15690              | 53.32             | -2.19                          | V                 | 51.13             | 73.98             | 22.85          | PK                  |
| 15690              | 40.27             | -2.19                          | V                 | 38.08             | 53.98             | 15.90          | AV                  |
| 10460              | 55.38             | -2.96                          | H                 | 52.42             | 68.20             | 15.78          | PK                  |
| 15690              | 52.79             | -2.19                          | H                 | 50.60             | 73.98             | 23.38          | PK                  |
| 15690              | 40.05             | -2.19                          | H                 | 37.86             | 53.98             | 16.12          | AV                  |

Band : UNII 2A  
 Operation Mode: 802.11 n(HT40)  
 Transfer MCS Index: MCS0  
 Operating Frequency 5270 MHz  
 Channel No. 54 Ch

| Frequency [MHz] | Reading [dBuV] | A.F.+C.L.<br>-A.G+D.F. [dB] | ANT. POL [H/V] | Total [dBuV/m] | Limit [dBuV/m] | Margin [dB] | Measurement Type |
|-----------------|----------------|-----------------------------|----------------|----------------|----------------|-------------|------------------|
| 10540           | 55.73          | -2.62                       | V              | 53.11          | 68.20          | 15.09       | PK               |
| 15810           | 52.60          | -3.01                       | V              | 49.59          | 73.98          | 24.39       | PK               |
| 15810           | 39.70          | -3.01                       | V              | 36.69          | 53.98          | 17.29       | AV               |
| 10540           | 54.29          | -2.62                       | H              | 51.67          | 68.20          | 16.53       | PK               |
| 15810           | 51.88          | -3.01                       | H              | 48.87          | 73.98          | 25.11       | PK               |
| 15810           | 39.57          | -3.01                       | H              | 36.56          | 53.98          | 17.42       | AV               |

Band : UNII 2A  
 Operation Mode: 802.11 n(HT40)  
 Transfer MCS Index: MCS0  
 Operating Frequency 5310 MHz  
 Channel No. 62 Ch

| Frequency [MHz] | Reading [dBuV] | A.F.+C.L.<br>-A.G+D.F. [dB] | ANT. POL [H/V] | Total [dBuV/m] | Limit [dBuV/m] | Margin [dB] | Measurement Type |
|-----------------|----------------|-----------------------------|----------------|----------------|----------------|-------------|------------------|
| 10620           | 55.51          | -3.11                       | V              | 52.40          | 73.98          | 21.58       | PK               |
| 10620           | 43.75          | -3.11                       | V              | 40.64          | 53.98          | 13.34       | AV               |
| 15930           | 52.81          | -3.67                       | V              | 49.14          | 73.98          | 24.84       | PK               |
| 15930           | 40.50          | -3.67                       | V              | 36.83          | 53.98          | 17.15       | AV               |
| 10620           | 54.09          | -3.11                       | H              | 50.98          | 73.98          | 23.00       | PK               |
| 10620           | 42.88          | -3.11                       | H              | 39.77          | 53.98          | 14.21       | AV               |
| 15930           | 52.57          | -3.67                       | H              | 48.90          | 73.98          | 25.08       | PK               |
| 15930           | 39.22          | -3.67                       | H              | 35.55          | 53.98          | 18.43       | AV               |

Band : UNII 2C  
 Operation Mode: 802.11 n(HT40)  
 Transfer MCS Index: MCS0  
 Operating Frequency 5510 MHz  
 Channel No. 102 Ch

| Frequency [MHz] | Reading [dBuV] | A.F.+C.L.<br>-A.G+D.F. [dB] | ANT. POL [H/V] | Total [dBuV/m] | Limit [dBuV/m] | Margin [dB] | Measurement Type |
|-----------------|----------------|-----------------------------|----------------|----------------|----------------|-------------|------------------|
| 11020           | 53.21          | -1.71                       | V              | 51.50          | 73.98          | 22.48       | PK               |
| 11020           | 41.38          | -1.71                       | V              | 39.67          | 53.98          | 14.31       | AV               |
| 16530           | 53.46          | -1.15                       | V              | 52.31          | 68.20          | 15.89       | PK               |
| 11020           | 52.69          | -1.71                       | H              | 50.98          | 73.98          | 23.00       | PK               |
| 11020           | 41.11          | -1.71                       | H              | 39.40          | 53.98          | 14.58       | AV               |
| 16530           | 52.71          | -1.15                       | H              | 51.56          | 68.20          | 16.64       | PK               |

Band : UNII 2C  
 Operation Mode: 802.11 n(HT40)  
 Transfer MCS Index: MCS0  
 Operating Frequency 5590 MHz  
 Channel No. 118 Ch

| Frequency [MHz] | Reading [dBuV] | A.F.+C.L.<br>-A.G+D.F. [dB] | ANT. POL [H/V] | Total [dBuV/m] | Limit [dBuV/m] | Margin [dB] | Measurement Type |
|-----------------|----------------|-----------------------------|----------------|----------------|----------------|-------------|------------------|
| 11180           | 56.04          | -2.03                       | V              | 54.01          | 73.98          | 19.97       | PK               |
| 11180           | 43.63          | -2.03                       | V              | 41.60          | 53.98          | 12.38       | AV               |
| 16770           | 52.33          | 1.16                        | V              | 53.49          | 68.20          | 14.71       | PK               |
| 11180           | 55.46          | -2.03                       | H              | 53.43          | 73.98          | 20.55       | PK               |
| 11180           | 43.12          | -2.03                       | H              | 41.09          | 53.98          | 12.89       | AV               |
| 16770           | 51.19          | 1.16                        | H              | 52.35          | 68.20          | 15.85       | PK               |

Band : UNII 2C  
 Operation Mode: 802.11 n(HT40)  
 Transfer MCS Index: MCS0  
 Operating Frequency 5710 MHz  
 Channel No. 142 Ch

| Frequency<br>[MHz] | Reading<br>[dBuV] | A.F.+C.L.<br>-A.G+D.F.<br>[dB] | ANT. POL<br>[H/V] | Total<br>[dBuV/m] | Limit<br>[dBuV/m] | Margin<br>[dB] | Measurement<br>Type |
|--------------------|-------------------|--------------------------------|-------------------|-------------------|-------------------|----------------|---------------------|
| 11420              | 52.58             | -1.82                          | V                 | 50.76             | 73.98             | 23.22          | PK                  |
| 11420              | 40.53             | -1.82                          | V                 | 38.71             | 53.98             | 15.27          | AV                  |
| 17130              | 52.71             | 2.94                           | V                 | 55.65             | 68.20             | 12.55          | PK                  |
| 11420              | 51.87             | -1.82                          | H                 | 50.05             | 73.98             | 23.93          | PK                  |
| 11420              | 40.03             | -1.82                          | H                 | 38.21             | 53.98             | 15.77          | AV                  |
| 17130              | 50.40             | 2.94                           | H                 | 53.34             | 68.20             | 14.86          | PK                  |

Band : UNII 3  
 Operation Mode: 802.11 n(HT40)  
 Transfer MCS Index: MCS0  
 Operating Frequency 5755 MHz  
 Channel No. 151 Ch

| Frequency<br>[MHz] | Reading<br>[dBuV] | A.F.+C.L.<br>-A.G+D.F.<br>[dB] | ANT. POL<br>[H/V] | Total<br>[dBuV/m] | Limit<br>[dBuV/m] | Margin<br>[dB] | Measurement<br>Type |
|--------------------|-------------------|--------------------------------|-------------------|-------------------|-------------------|----------------|---------------------|
| 11510              | 53.68             | -1.83                          | V                 | 51.85             | 73.98             | 22.13          | PK                  |
| 11510              | 41.31             | -1.83                          | V                 | 39.48             | 53.98             | 14.50          | AV                  |
| 17265              | 52.54             | 3.80                           | V                 | 56.34             | 68.20             | 11.87          | PK                  |
| 11510              | 52.67             | -1.83                          | H                 | 50.84             | 73.98             | 23.14          | PK                  |
| 11510              | 40.63             | -1.83                          | H                 | 38.80             | 53.98             | 15.18          | AV                  |
| 17265              | 51.37             | 3.80                           | H                 | 55.17             | 68.20             | 13.04          | PK                  |

Band : UNII 3  
 Operation Mode: 802.11 n(HT40)  
 Transfer MCS Index: MCS0  
 Operating Frequency 5795 MHz  
 Channel No. 159 Ch

| Frequency [MHz] | Reading [dBuV] | A.F.+C.L.<br>-A.G+D.F. [dB] | ANT. POL [H/V] | Total [dBuV/m] | Limit [dBuV/m] | Margin [dB] | Measurement Type |
|-----------------|----------------|-----------------------------|----------------|----------------|----------------|-------------|------------------|
| 11590           | 54.78          | -2.10                       | V              | 52.68          | 73.98          | 21.30       | PK               |
| 11590           | 42.63          | -2.10                       | V              | 40.53          | 53.98          | 13.45       | AV               |
| 17385           | 51.71          | 4.82                        | V              | 56.53          | 68.20          | 11.67       | PK               |
| 11590           | 53.42          | -2.10                       | H              | 51.32          | 73.98          | 22.66       | PK               |
| 11590           | 41.58          | -2.10                       | H              | 39.48          | 53.98          | 14.50       | AV               |
| 17385           | 50.33          | 4.82                        | H              | 55.15          | 68.20          | 13.05       | PK               |

Band : UNII 1  
 Operation Mode: 802.11 ac(VHT40)  
 Transfer MCS Index: MCS0  
 Operating Frequency 5190 MHz  
 Channel No. 38 Ch

| Frequency [MHz] | Reading [dBuV] | A.F.+C.L.<br>-A.G+D.F. [dB] | ANT. POL [H/V] | Total [dBuV/m] | Limit [dBuV/m] | Margin [dB] | Measurement Type |
|-----------------|----------------|-----------------------------|----------------|----------------|----------------|-------------|------------------|
| 10380           | 55.46          | -2.27                       | V              | 53.19          | 68.20          | 15.01       | PK               |
| 15570           | 53.22          | -2.41                       | V              | 50.81          | 73.98          | 23.17       | PK               |
| 15570           | 40.47          | -2.41                       | V              | 38.06          | 53.98          | 15.92       | AV               |
| 10380           | 54.11          | -2.27                       | H              | 51.84          | 68.20          | 16.36       | PK               |
| 15570           | 52.40          | -2.41                       | H              | 49.99          | 73.98          | 23.99       | PK               |
| 15570           | 40.06          | -2.41                       | H              | 37.65          | 53.98          | 16.33       | AV               |

Band : UNII 1  
 Operation Mode: 802.11 ac(VHT40)  
 Transfer MCS Index: MCS0  
 Operating Frequency 5230 MHz  
 Channel No. 46 Ch

| Frequency<br>[MHz] | Reading<br>[dBuV] | A.F.+C.L.<br>-A.G+D.F.<br>[dB] | ANT. POL<br>[H/V] | Total<br>[dBuV/m] | Limit<br>[dBuV/m] | Margin<br>[dB] | Measurement<br>Type |
|--------------------|-------------------|--------------------------------|-------------------|-------------------|-------------------|----------------|---------------------|
| 10460              | 55.84             | -2.96                          | V                 | 52.88             | 68.20             | 15.32          | PK                  |
| 15690              | 53.34             | -2.19                          | V                 | 51.15             | 73.98             | 22.83          | PK                  |
| 15690              | 40.26             | -2.19                          | V                 | 38.07             | 53.98             | 15.91          | AV                  |
| 10460              | 54.72             | -2.96                          | H                 | 51.76             | 68.20             | 16.44          | PK                  |
| 15690              | 52.46             | -2.19                          | H                 | 50.27             | 73.98             | 23.71          | PK                  |
| 15690              | 39.82             | -2.19                          | H                 | 37.63             | 53.98             | 16.35          | AV                  |

Band : UNII 2A  
 Operation Mode: 802.11 ac(VHT40)  
 Transfer MCS Index: MCS0  
 Operating Frequency 5270 MHz  
 Channel No. 54 Ch

| Frequency<br>[MHz] | Reading<br>[dBuV] | A.F.+C.L.<br>-A.G+D.F.<br>[dB] | ANT. POL<br>[H/V] | Total<br>[dBuV/m] | Limit<br>[dBuV/m] | Margin<br>[dB] | Measurement<br>Type |
|--------------------|-------------------|--------------------------------|-------------------|-------------------|-------------------|----------------|---------------------|
| 10540              | 54.83             | -2.62                          | V                 | 52.21             | 68.20             | 15.99          | PK                  |
| 15810              | 52.75             | -3.01                          | V                 | 49.74             | 73.98             | 24.24          | PK                  |
| 15810              | 39.67             | -3.01                          | V                 | 36.66             | 53.98             | 17.32          | AV                  |
| 10540              | 53.66             | -2.62                          | H                 | 51.04             | 68.20             | 17.16          | PK                  |
| 15810              | 52.26             | -3.01                          | H                 | 49.25             | 73.98             | 24.73          | PK                  |
| 15810              | 39.11             | -3.01                          | H                 | 36.10             | 53.98             | 17.88          | AV                  |

Band : UNII 2A  
 Operation Mode: 802.11 ac(VHT40)  
 Transfer MCS Index: MCS0  
 Operating Frequency 5310 MHz  
 Channel No. 62 Ch

| Frequency<br>[MHz] | Reading<br>[dBuV] | A.F.+C.L.<br>-A.G+D.F.<br>[dB] | ANT. POL<br>[H/V] | Total<br>[dBuV/m] | Limit<br>[dBuV/m] | Margin<br>[dB] | Measurement<br>Type |
|--------------------|-------------------|--------------------------------|-------------------|-------------------|-------------------|----------------|---------------------|
| 10620              | 55.36             | -3.11                          | V                 | 52.25             | 73.98             | 21.73          | PK                  |
| 10620              | 43.25             | -3.11                          | V                 | 40.14             | 53.98             | 13.84          | AV                  |
| 15930              | 53.50             | -3.67                          | V                 | 49.83             | 73.98             | 24.15          | PK                  |
| 15930              | 40.49             | -3.67                          | V                 | 36.82             | 53.98             | 17.16          | AV                  |
| 10620              | 54.90             | -3.11                          | H                 | 51.79             | 73.98             | 22.19          | PK                  |
| 10620              | 42.81             | -3.11                          | H                 | 39.70             | 53.98             | 14.28          | AV                  |
| 15930              | 52.05             | -3.67                          | H                 | 48.38             | 73.98             | 25.60          | PK                  |
| 15930              | 40.07             | -3.67                          | H                 | 36.40             | 53.98             | 17.58          | AV                  |

Band : UNII 2C  
 Operation Mode: 802.11 ac(VHT40)  
 Transfer MCS Index: MCS0  
 Operating Frequency 5510 MHz  
 Channel No. 102 Ch

| Frequency<br>[MHz] | Reading<br>[dBuV] | A.F.+C.L.<br>-A.G+D.F.<br>[dB] | ANT. POL<br>[H/V] | Total<br>[dBuV/m] | Limit<br>[dBuV/m] | Margin<br>[dB] | Measurement<br>Type |
|--------------------|-------------------|--------------------------------|-------------------|-------------------|-------------------|----------------|---------------------|
| 11020              | 53.83             | -1.71                          | V                 | 52.12             | 73.98             | 21.86          | PK                  |
| 11020              | 41.37             | -1.71                          | V                 | 39.66             | 53.98             | 14.32          | AV                  |
| 16530              | 53.18             | -1.15                          | V                 | 52.03             | 68.20             | 16.17          | PK                  |
| 11020              | 52.89             | -1.71                          | H                 | 51.18             | 73.98             | 22.80          | PK                  |
| 11020              | 41.08             | -1.71                          | H                 | 39.37             | 53.98             | 14.61          | AV                  |
| 16530              | 52.40             | -1.15                          | H                 | 51.25             | 68.20             | 16.95          | PK                  |

Band : UNII 2C  
 Operation Mode: 802.11 ac(VHT40)  
 Transfer MCS Index: MCS0  
 Operating Frequency 5590 MHz  
 Channel No. 118 Ch

| Frequency<br>[MHz] | Reading<br>[dBuV] | A.F.+C.L.<br>-A.G+D.F.<br>[dB] | ANT. POL<br>[H/V] | Total<br>[dBuV/m] | Limit<br>[dBuV/m] | Margin<br>[dB] | Measurement<br>Type |
|--------------------|-------------------|--------------------------------|-------------------|-------------------|-------------------|----------------|---------------------|
| 11180              | 55.62             | -2.03                          | V                 | 53.59             | 73.98             | 20.39          | PK                  |
| 11180              | 42.89             | -2.03                          | V                 | 40.86             | 53.98             | 13.12          | AV                  |
| 16770              | 51.97             | 1.16                           | V                 | 53.13             | 68.20             | 15.07          | PK                  |
| 11180              | 54.81             | -2.03                          | H                 | 52.78             | 73.98             | 21.20          | PK                  |
| 11180              | 42.51             | -2.03                          | H                 | 40.48             | 53.98             | 13.50          | AV                  |
| 16770              | 51.55             | 1.16                           | H                 | 52.71             | 68.20             | 15.49          | PK                  |

Band : UNII 2C  
 Operation Mode: 802.11 ac(VHT40)  
 Transfer MCS Index: MCS0  
 Operating Frequency 5710 MHz  
 Channel No. 142 Ch

| Frequency<br>[MHz] | Reading<br>[dBuV] | A.F.+C.L.<br>-A.G+D.F.<br>[dB] | ANT. POL<br>[H/V] | Total<br>[dBuV/m] | Limit<br>[dBuV/m] | Margin<br>[dB] | Measurement<br>Type |
|--------------------|-------------------|--------------------------------|-------------------|-------------------|-------------------|----------------|---------------------|
| 11420              | 53.30             | -1.82                          | V                 | 51.48             | 73.98             | 22.50          | PK                  |
| 11420              | 40.39             | -1.82                          | V                 | 38.57             | 53.98             | 15.41          | AV                  |
| 17130              | 52.13             | 2.94                           | V                 | 55.07             | 68.20             | 13.13          | PK                  |
| 11420              | 51.98             | -1.82                          | H                 | 50.16             | 73.98             | 23.82          | PK                  |
| 11420              | 40.11             | -1.82                          | H                 | 38.29             | 53.98             | 15.69          | AV                  |
| 17130              | 52.03             | 2.94                           | H                 | 54.97             | 68.20             | 13.23          | PK                  |

Band : UNII 3  
 Operation Mode: 802.11 ac(VHT40)  
 Transfer MCS Index: MCS0  
 Operating Frequency 5755 MHz  
 Channel No. 151 Ch

| Frequency [MHz] | Reading [dBuV] | A.F.+C.L.-A.G+D.F. [dB] | ANT. POL [H/V] | Total [dBuV/m] | Limit [dBuV/m] | Margin [dB] | Measurement Type |
|-----------------|----------------|-------------------------|----------------|----------------|----------------|-------------|------------------|
| 11510           | 54.56          | -1.83                   | V              | 52.73          | 73.98          | 21.25       | PK               |
| 11510           | 42.04          | -1.83                   | V              | 40.21          | 53.98          | 13.77       | AV               |
| 17265           | 51.99          | 3.80                    | V              | 55.79          | 68.20          | 12.42       | PK               |
| 11510           | 53.21          | -1.83                   | H              | 51.38          | 73.98          | 22.60       | PK               |
| 11510           | 41.11          | -1.83                   | H              | 39.28          | 53.98          | 14.70       | AV               |
| 17265           | 50.64          | 3.80                    | H              | 54.44          | 68.20          | 13.77       | PK               |

Band : UNII 3  
 Operation Mode: 802.11 ac(VHT40)  
 Transfer MCS Index: MCS0  
 Operating Frequency 5795 MHz  
 Channel No. 159 Ch

| Frequency [MHz] | Reading [dBuV] | A.F.+C.L.-A.G+D.F. [dB] | ANT. POL [H/V] | Total [dBuV/m] | Limit [dBuV/m] | Margin [dB] | Measurement Type |
|-----------------|----------------|-------------------------|----------------|----------------|----------------|-------------|------------------|
| 11590           | 55.03          | -2.10                   | V              | 52.93          | 73.98          | 21.05       | PK               |
| 11590           | 42.35          | -2.10                   | V              | 40.25          | 53.98          | 13.73       | AV               |
| 17385           | 51.70          | 4.82                    | V              | 56.52          | 68.20          | 11.68       | PK               |
| 11590           | 54.62          | -2.10                   | H              | 52.52          | 73.98          | 21.46       | PK               |
| 11590           | 41.39          | -2.10                   | H              | 39.29          | 53.98          | 14.69       | AV               |
| 17385           | 50.40          | 4.82                    | H              | 55.22          | 68.20          | 12.98       | PK               |

Band : UNII 1  
 Operation Mode: 802.11 ac(VHT80)  
 Transfer MCS Index: MCS0  
 Operating Frequency 5210 MHz  
 Channel No. 42 Ch

| Frequency<br>[MHz] | Reading<br>[dBuV] | A.F.+C.L.<br>-A.G+D.F.<br>[dB] | ANT. POL<br>[H/V] | Total<br>[dBuV/m] | Limit<br>[dBuV/m] | Margin<br>[dB] | Measurement<br>Type |
|--------------------|-------------------|--------------------------------|-------------------|-------------------|-------------------|----------------|---------------------|
| 10420              | 55.58             | -2.67                          | V                 | 52.91             | 68.20             | 15.29          | PK                  |
| 15630              | 53.17             | -2.90                          | V                 | 50.27             | 73.98             | 23.71          | PK                  |
| 15630              | 41.73             | -2.90                          | V                 | 38.83             | 53.98             | 15.15          | AV                  |
| 10420              | 54.20             | -2.67                          | H                 | 51.53             | 68.20             | 16.67          | PK                  |
| 15630              | 52.10             | -2.90                          | H                 | 49.20             | 73.98             | 24.78          | PK                  |
| 15630              | 40.80             | -2.90                          | H                 | 37.90             | 53.98             | 16.08          | AV                  |

Band : UNII 2A  
 Operation Mode: 802.11 ac(VHT80)  
 Transfer MCS Index: MCS0  
 Operating Frequency 5290 MHz  
 Channel No. 58 Ch

| Frequency<br>[MHz] | Reading<br>[dBuV] | A.F.+C.L.<br>-A.G+D.F.<br>[dB] | ANT. POL<br>[H/V] | Total<br>[dBuV/m] | Limit<br>[dBuV/m] | Margin<br>[dB] | Measurement<br>Type |
|--------------------|-------------------|--------------------------------|-------------------|-------------------|-------------------|----------------|---------------------|
| 10580              | 55.37             | -2.78                          | V                 | 52.59             | 68.20             | 15.61          | PK                  |
| 15870              | 52.94             | -3.72                          | V                 | 49.22             | 73.98             | 24.76          | PK                  |
| 15870              | 40.63             | -3.72                          | V                 | 36.91             | 53.98             | 17.07          | AV                  |
| 10580              | 54.81             | -2.78                          | H                 | 52.03             | 68.20             | 16.17          | PK                  |
| 15870              | 52.69             | -3.72                          | H                 | 48.97             | 73.98             | 25.01          | PK                  |
| 15870              | 40.22             | -3.72                          | H                 | 36.50             | 53.98             | 17.48          | AV                  |

Band : UNII 2C  
 Operation Mode: 802.11 ac(VHT80)  
 Transfer MCS Index: MCS0  
 Operating Frequency 5530 MHz  
 Channel No. 106 Ch

| Frequency [MHz] | Reading [dBuV] | A.F.+C.L.<br>-A.G+D.F. [dB] | ANT. POL [H/V] | Total [dBuV/m] | Limit [dBuV/m] | Margin [dB] | Measurement Type |
|-----------------|----------------|-----------------------------|----------------|----------------|----------------|-------------|------------------|
| 11060           | 54.96          | -1.76                       | V              | 53.20          | 73.98          | 20.78       | PK               |
| 11060           | 43.86          | -1.76                       | V              | 42.10          | 53.98          | 11.88       | AV               |
| 16590           | 52.79          | -1.06                       | V              | 51.73          | 68.20          | 16.47       | PK               |
| 11060           | 54.30          | -1.76                       | H              | 52.54          | 73.98          | 21.44       | PK               |
| 11060           | 42.44          | -1.76                       | H              | 40.68          | 53.98          | 13.30       | AV               |
| 16590           | 52.53          | -1.06                       | H              | 51.47          | 68.20          | 16.73       | PK               |

Band : UNII 2C  
 Operation Mode: 802.11 ac(VHT80)  
 Transfer MCS Index: MCS0  
 Operating Frequency 5610 MHz  
 Channel No. 122 Ch

| Frequency [MHz] | Reading [dBuV] | A.F.+C.L.<br>-A.G+D.F. [dB] | ANT. POL [H/V] | Total [dBuV/m] | Limit [dBuV/m] | Margin [dB] | Measurement Type |
|-----------------|----------------|-----------------------------|----------------|----------------|----------------|-------------|------------------|
| 11220           | 54.29          | -2.53                       | V              | 51.76          | 73.98          | 22.22       | PK               |
| 11220           | 42.31          | -2.53                       | V              | 39.78          | 53.98          | 14.20       | AV               |
| 16830           | 51.19          | 1.35                        | V              | 52.54          | 68.20          | 15.66       | PK               |
| 11220           | 53.98          | -2.53                       | H              | 51.45          | 73.98          | 22.53       | PK               |
| 11220           | 42.16          | -2.53                       | H              | 39.63          | 53.98          | 14.35       | AV               |
| 16830           | 50.69          | 1.35                        | H              | 52.04          | 68.20          | 16.16       | PK               |

Band : UNII 2C  
 Operation Mode: 802.11 ac(VHT80)  
 Transfer MCS Index: MCS0  
 Operating Frequency 5690 MHz  
 Channel No. 138 Ch

| Frequency<br>[MHz] | Reading<br>[dBuV] | A.F.+C.L.<br>-A.G+D.F.<br>[dB] | ANT. POL<br>[H/V] | Total<br>[dBuV/m] | Limit<br>[dBuV/m] | Margin<br>[dB] | Measurement<br>Type |
|--------------------|-------------------|--------------------------------|-------------------|-------------------|-------------------|----------------|---------------------|
| 11380              | 53.24             | -1.92                          | V                 | 51.32             | 73.98             | 22.66          | PK                  |
| 11380              | 42.10             | -1.92                          | V                 | 40.18             | 53.98             | 13.80          | AV                  |
| 17070              | 52.82             | 2.28                           | V                 | 55.10             | 68.20             | 13.10          | PK                  |
| 11380              | 52.81             | -1.92                          | H                 | 50.89             | 73.98             | 23.09          | PK                  |
| 11380              | 41.05             | -1.92                          | H                 | 39.13             | 53.98             | 14.85          | AV                  |
| 17070              | 52.07             | 2.28                           | H                 | 54.35             | 68.20             | 13.85          | PK                  |

Band : UNII 3  
 Operation Mode: 802.11 ac(VHT80)  
 Transfer MCS Index: MCS0  
 Operating Frequency 5775 MHz  
 Channel No. 155 Ch

| Frequency<br>[MHz] | Reading<br>[dBuV] | A.F.+C.L.<br>-A.G+D.F.<br>[dB] | ANT. POL<br>[H/V] | Total<br>[dBuV/m] | Limit<br>[dBuV/m] | Margin<br>[dB] | Measurement<br>Type |
|--------------------|-------------------|--------------------------------|-------------------|-------------------|-------------------|----------------|---------------------|
| 11550              | 54.15             | -1.50                          | V                 | 52.65             | 73.98             | 21.33          | PK                  |
| 11550              | 43.45             | -1.50                          | V                 | 41.95             | 53.98             | 12.03          | AV                  |
| 17325              | 51.79             | 4.52                           | V                 | 56.31             | 68.20             | 11.90          | PK                  |
| 11550              | 53.51             | -1.50                          | H                 | 52.01             | 73.98             | 21.97          | PK                  |
| 11550              | 42.36             | -1.50                          | H                 | 40.86             | 53.98             | 13.12          | AV                  |
| 17325              | 50.35             | 4.52                           | H                 | 54.87             | 68.20             | 13.34          | PK                  |

**[DBS Mode 2.4 GHz & 5GHz]**

Band : UNII 1  
 Operation Mode: 802.11 a & 802.11b  
 Transfer Rate: 6 Mbps & 1 Mbps  
 Operating Frequency 5180 MHz & 2412 MHz  
 Channel No. 36 Ch & 1 Ch

| Frequency<br>[MHz] | Reading<br>[dBuV] | A.F.+C.L.<br>-A.G+D.F.<br>[dB] | ANT. POL<br>[H/V] | Total<br>[dBuV/m] | Limit<br>[dBuV/m] | Margin<br>[dB] | Measurement<br>Type |
|--------------------|-------------------|--------------------------------|-------------------|-------------------|-------------------|----------------|---------------------|
| 10360              | 56.57             | -3.05                          | V                 | 53.52             | 68.20             | 14.68          | PK                  |
| 15540              | 52.87             | -0.54                          | V                 | 52.33             | 73.98             | 21.65          | PK                  |
| 15540              | 39.76             | -0.54                          | V                 | 39.22             | 53.98             | 14.76          | AV                  |
| 10360              | 57.31             | -3.05                          | H                 | 54.26             | 68.20             | 13.94          | PK                  |
| 15540              | 53.90             | -0.54                          | H                 | 53.36             | 73.98             | 20.62          | PK                  |
| 15540              | 39.61             | -0.54                          | H                 | 39.07             | 53.98             | 14.91          | AV                  |

Band : UNII 2A  
 Operation Mode: 802.11 a & 802.11b  
 Transfer Rate: 6 Mbps & 1Mbps  
 Operating Frequency 5260 MHz & 2437MHz  
 Channel No. 52 Ch & 6 Ch

| Frequency<br>[MHz] | Reading<br>[dBuV] | A.F.+C.L.<br>-A.G+D.F.<br>[dB] | ANT. POL<br>[H/V] | Total<br>[dBuV/m] | Limit<br>[dBuV/m] | Margin<br>[dB] | Measurement<br>Type |
|--------------------|-------------------|--------------------------------|-------------------|-------------------|-------------------|----------------|---------------------|
| 10520              | 57.08             | -3.56                          | V                 | 53.52             | 68.20             | 14.68          | PK                  |
| 15780              | 50.88             | -1.55                          | V                 | 49.33             | 73.98             | 24.65          | PK                  |
| 15780              | 38.44             | -1.55                          | V                 | 36.89             | 53.98             | 17.09          | AV                  |
| 10520              | 58.06             | -3.56                          | H                 | 54.50             | 68.20             | 13.70          | PK                  |
| 15780              | 51.84             | -1.55                          | H                 | 50.29             | 73.98             | 23.69          | PK                  |
| 15780              | 38.54             | -1.55                          | H                 | 36.99             | 53.98             | 16.99          | AV                  |

Band : UNII 2C  
 Operation Mode: 802.11 a & 802.11b  
 Transfer Rate: 6 Mbps & 1Mbps  
 Operating Frequency 5600 MHz & 2437MHz  
 Channel No. 120 Ch & 6 Ch

| Frequency<br>[MHz] | Reading<br>[dBuV] | A.F.+C.L.<br>-A.G+D.F.<br>[dB] | ANT. POL<br>[H/V] | Total<br>[dBuV/m] | Limit<br>[dBuV/m] | Margin<br>[dB] | Measurement<br>Type |
|--------------------|-------------------|--------------------------------|-------------------|-------------------|-------------------|----------------|---------------------|
| 11200              | 56.41             | -2.34                          | V                 | 54.07             | 73.98             | 19.91          | PK                  |
| 11200              | 43.03             | -2.34                          | V                 | 40.69             | 53.98             | 13.29          | AV                  |
| 16800              | 52.25             | 1.04                           | V                 | 53.29             | 68.20             | 14.91          | PK                  |
| 11200              | 54.68             | -2.34                          | H                 | 52.34             | 73.98             | 21.64          | PK                  |
| 11200              | 42.64             | -2.34                          | H                 | 40.30             | 53.98             | 13.68          | AV                  |
| 16800              | 51.73             | 1.04                           | H                 | 52.77             | 68.20             | 15.43          | PK                  |

Band : UNII 3  
 Operation Mode: 802.11 a & 802.11b  
 Transfer Rate: 6 Mbps & 1Mbps  
 Operating Frequency 5785 MHz & 2462 MHz  
 Channel No. 157 Ch & 11 Ch

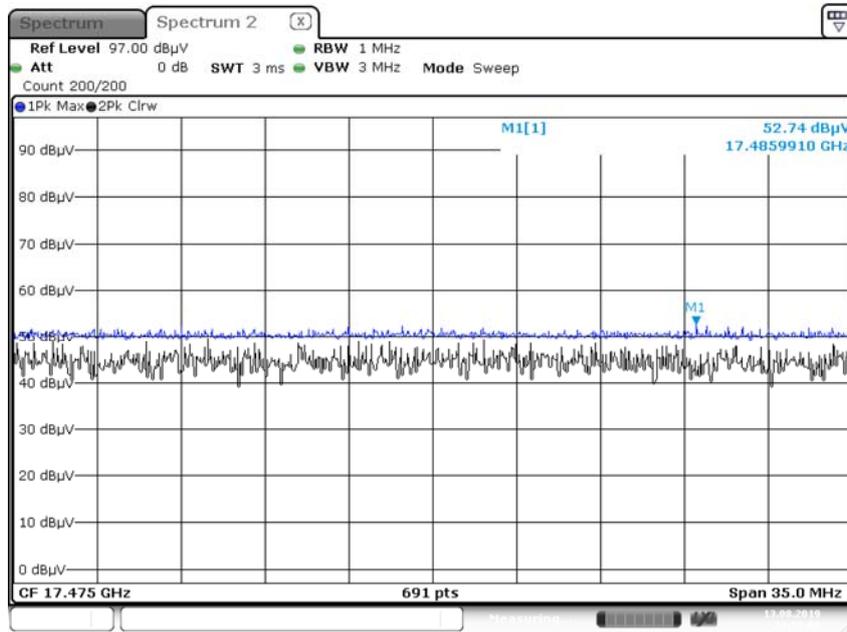
| Frequency<br>[MHz] | Reading<br>[dBuV] | A.F.+C.L.<br>-A.G+D.F.<br>[dB] | ANT. POL<br>[H/V] | Total<br>[dBuV/m] | Limit<br>[dBuV/m] | Margin<br>[dB] | Measurement<br>Type |
|--------------------|-------------------|--------------------------------|-------------------|-------------------|-------------------|----------------|---------------------|
| 11570              | 54.65             | -2.13                          | V                 | 52.52             | 73.98             | 21.46          | PK                  |
| 11570              | 41.97             | -2.13                          | V                 | 39.84             | 53.98             | 14.14          | AV                  |
| 17355              | 50.71             | 3.16                           | V                 | 53.87             | 68.20             | 14.34          | PK                  |
| 11570              | 55.24             | -2.13                          | H                 | 53.11             | 73.98             | 20.87          | PK                  |
| 11570              | 42.01             | -2.13                          | H                 | 39.88             | 53.98             | 14.10          | AV                  |
| 17355              | 51.90             | 3.16                           | H                 | 55.06             | 68.20             | 13.15          | PK                  |

Band : UNII 3  
 Operation Mode: 802.11 a  
 Transfer Rate: 6 Mbps  
 Operating Frequency 5825 MHz & 2462 MHz  
 Channel No. 165 Ch & 11 Ch

| Frequency<br>[MHz] | Reading<br>[dBuV] | A.F.+C.L.<br>-A.G+D.F.<br>[dB] | ANT. POL<br>[H/V] | Total<br>[dBuV/m] | Limit<br>[dBuV/m] | Margin<br>[dB] | Measurement<br>Type |
|--------------------|-------------------|--------------------------------|-------------------|-------------------|-------------------|----------------|---------------------|
| 11650              | 56.63             | -2.56                          | V                 | 54.07             | 73.98             | 19.91          | PK                  |
| 11650              | 43.05             | -2.56                          | V                 | 40.49             | 53.98             | 13.49          | AV                  |
| 17475              | 51.81             | 4.17                           | V                 | 55.98             | 68.20             | 12.23          | PK                  |
| 11650              | 57.01             | -2.56                          | H                 | 54.45             | 73.98             | 19.53          | PK                  |
| 11650              | 43.91             | -2.56                          | H                 | 41.35             | 53.98             | 12.63          | AV                  |
| 17475              | 52.21             | 4.17                           | H                 | 56.38             | 68.20             | 11.83          | PK                  |

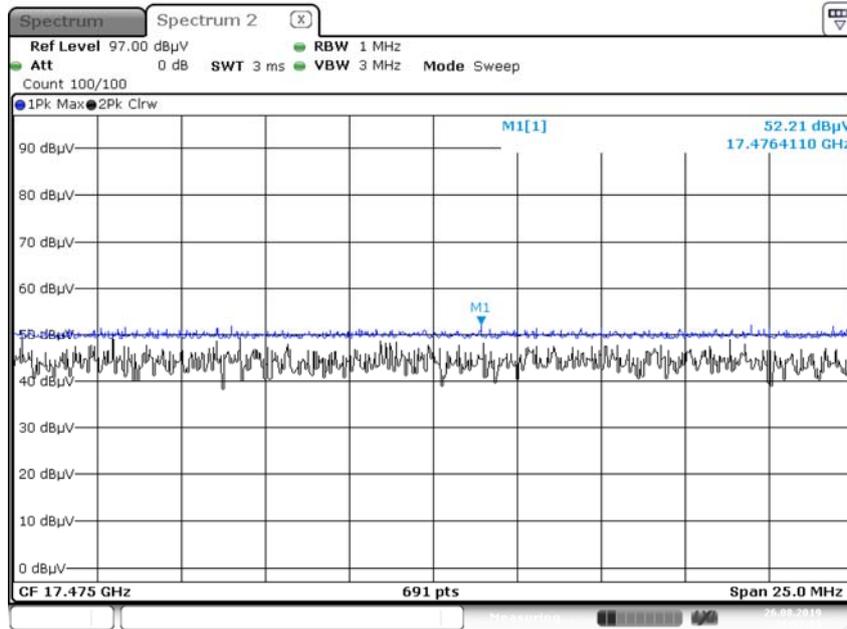
Test Plots

Peak Reading (802.11 ac(VHT20), Ch.165 3rd Harmonic, X-V)



Date: 13.AUG.2019 23:55:09

DBS Mode 2.4 GHz & 5GHz Peak Reading (802.11b & 802.11a, Ch.11 & 165, 3rd Harmonic, Y-H)



Date: 26.AUG.2019 21:57:23

**Note:**

Only the worst case plots for Radiated Spurious Emissions.

**10.9 RADIATED RESTRICTED BAND EDGE**

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

| Frequency [MHz] | Reading dBuV | AN.+CL-AMP+ATT. +D.F. [dB] | ANT. POL [H/V] | Total [dBuV/m] | Limit [dBuV/m] | Margin [dB] | Measurement Type |
|-----------------|--------------|----------------------------|----------------|----------------|----------------|-------------|------------------|
| 5150            | 60.62        | 3.89                       | H              | 64.51          | 73.98          | 9.47        | PK               |
| 5150            | 40.17        | 3.89                       | H              | 44.06          | 53.98          | 9.92        | AV               |
| 5150            | 60.23        | 3.89                       | V              | 64.12          | 73.98          | 9.86        | PK               |
| 5150            | 39.88        | 3.89                       | V              | 43.77          | 53.98          | 10.21       | AV               |

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

| Frequency [MHz] | Reading dBuV | AN.+CL-AMP+ATT. +D.F. [dB] | ANT. POL [H/V] | Total [dBuV/m] | Limit [dBuV/m] | Margin [dB] | Measurement Type |
|-----------------|--------------|----------------------------|----------------|----------------|----------------|-------------|------------------|
| 5350            | 61.53        | 4.12                       | H              | 65.65          | 73.98          | 8.33        | PK               |
| 5350            | 42.89        | 4.12                       | H              | 47.01          | 53.98          | 6.97        | AV               |
| 5350            | 61.01        | 4.12                       | V              | 65.13          | 73.98          | 8.85        | PK               |
| 5350            | 41.69        | 4.12                       | V              | 45.81          | 53.98          | 8.17        | AV               |

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

| Frequency [MHz] | Reading DBuV | AN.+CL-AMP+ATT. +D.F. [dB] | ANT. POL [H/V] | Total [dBUV/m] | Limit [dBUV/m] | Margin [dB] | Measurement Type |
|-----------------|--------------|----------------------------|----------------|----------------|----------------|-------------|------------------|
| 5460            | 58.01        | 5.20                       | H              | 63.21          | 73.98          | 10.77       | PK               |
| 5460            | 37.62        | 5.20                       | H              | 42.82          | 53.98          | 11.16       | AV               |
| 5470            | 59.90        | 5.16                       | H              | 65.06          | 68.20          | 3.14        | PK               |
| 5460            | 52.24        | 5.20                       | V              | 57.44          | 73.98          | 16.54       | PK               |
| 5460            | 37.54        | 5.20                       | V              | 42.74          | 53.98          | 11.24       | AV               |
| 5470            | 58.21        | 5.16                       | V              | 63.37          | 68.20          | 4.83        | PK               |

Band : UNII 2C  
 Operation Mode: 802.11 a  
 Transfer Rate: 6 Mbps  
 Operating Frequency 5520 MHz  
 Channel No. 104 Ch

| Frequency [MHz] | Reading DBuV | AN.+CL-AMP+ATT. +D.F. [dB] | ANT. POL [H/V] | Total [dBUV/m] | Limit [dBUV/m] | Margin [dB] | Measurement Type |
|-----------------|--------------|----------------------------|----------------|----------------|----------------|-------------|------------------|
| 5460            | 57.86        | 5.20                       | H              | 63.06          | 73.98          | 10.92       | PK               |
| 5460            | 37.00        | 5.20                       | H              | 42.2           | 53.98          | 11.78       | AV               |
| 5470            | 60.04        | 5.16                       | H              | 65.2           | 68.20          | 3.00        | PK               |

Band : UNII 2C  
 Operation Mode: 802.11 a  
 Transfer Rate: 6 Mbps  
 Operating Frequency 5540 MHz  
 Channel No. 108 Ch

| Frequency [MHz] | Reading DBuV | AN.+CL-AMP+ATT. +D.F. [dB] | ANT. POL [H/V] | Total [dBUV/m] | Limit [dBUV/m] | Margin [dB] | Measurement Type |
|-----------------|--------------|----------------------------|----------------|----------------|----------------|-------------|------------------|
| 5460            | 49.91        | 5.20                       | H              | 55.11          | 73.98          | 18.87       | PK               |
| 5460            | 36.82        | 5.20                       | H              | 42.02          | 53.98          | 11.96       | AV               |
| 5470            | 50.39        | 5.16                       | H              | 55.55          | 68.20          | 12.65       | PK               |

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

| Frequency [MHz] | Reading DBuV | AN.+CL-AMP+ATT. +D.F. [dB] | ANT. POL [H/V] | Total [dBUV/m] | Limit [dBUV/m] | Margin [dB] | Measurement Type |
|-----------------|--------------|----------------------------|----------------|----------------|----------------|-------------|------------------|
| 5850            | 48.51        | 7.41                       | H              | 55.92          | 68.20          | 12.28       | PK               |
| 5850            | 47.66        | 7.41                       | V              | 55.07          | 68.20          | 13.13       | PK               |

Band : UNII 1  
 Operation Mode: 802.11 n\_HT20  
 Transfer MCS Index: 0  
 Operating Frequency 5180 MHz  
 Channel No. 36 Ch

| Frequency [MHz] | Reading dBuV | AN.+CL-AMP+ATT. +D.F. [dB] | ANT. POL [H/V] | Total [dBuV/m] | Limit [dBuV/m] | Margin [dB] | Measurement Type |
|-----------------|--------------|----------------------------|----------------|----------------|----------------|-------------|------------------|
| 5150            | 60.72        | 3.89                       | H              | 64.61          | 73.98          | 9.37        | PK               |
| 5150            | 38.74        | 3.89                       | H              | 42.63          | 53.98          | 11.35       | AV               |
| 5150            | 60.05        | 3.89                       | V              | 63.94          | 73.98          | 10.04       | PK               |
| 5150            | 38.12        | 3.89                       | V              | 42.01          | 53.98          | 11.97       | AV               |

Band : UNII 2A  
 Operation Mode: 802.11 n\_HT20  
 Transfer MCS Index: 0  
 Operating Frequency 5320 MHz  
 Channel No. 64 Ch

| Frequency [MHz] | Reading dBuV | AN.+CL-AMP+ATT. +D.F. [dB] | ANT. POL [H/V] | Total [dBuV/m] | Limit [dBuV/m] | Margin [dB] | Measurement Type |
|-----------------|--------------|----------------------------|----------------|----------------|----------------|-------------|------------------|
| 5350            | 62.25        | 4.12                       | H              | 66.37          | 73.98          | 7.61        | PK               |
| 5350            | 44.07        | 4.12                       | H              | 48.19          | 53.98          | 5.79        | AV               |
| 5350            | 61.65        | 4.12                       | V              | 65.77          | 73.98          | 8.21        | PK               |
| 5350            | 43.88        | 4.12                       | V              | 48             | 53.98          | 5.98        | AV               |

Band : UNII 2C  
 Operation Mode: 802.11 n\_HT20  
 Transfer MCS Index: 0  
 Operating Frequency 5500 MHz  
 Channel No. 100 Ch

| Frequency [MHz] | Reading DBuV | AN.+CL-AMP+ATT. +D.F. [dB] | ANT. POL [H/V] | Total [dBuV/m] | Limit [dBuV/m] | Margin [dB] | Measurement Type |
|-----------------|--------------|----------------------------|----------------|----------------|----------------|-------------|------------------|
| 5460            | 57.92        | 5.20                       | H              | 63.12          | 73.98          | 10.86       | PK               |
| 5460            | 36.79        | 5.20                       | H              | 41.99          | 53.98          | 11.99       | AV               |
| 5470            | 59.69        | 5.16                       | H              | 64.85          | 68.20          | 3.35        | PK               |
| 5460            | 57.22        | 5.20                       | V              | 62.42          | 73.98          | 11.56       | PK               |
| 5460            | 36.65        | 5.20                       | V              | 41.85          | 53.98          | 12.13       | AV               |
| 5470            | 58.57        | 5.16                       | V              | 63.73          | 68.20          | 4.47        | PK               |

Band : UNII 2C  
 Operation Mode: 802.11 n\_HT20  
 Transfer MCS Index: 0  
 Operating Frequency 5520 MHz  
 Channel No. 104 Ch

| Frequency [MHz] | Reading DBuV | AN.+CL-AMP+ATT. +D.F. [dB] | ANT. POL [H/V] | Total [dBuV/m] | Limit [dBuV/m] | Margin [dB] | Measurement Type |
|-----------------|--------------|----------------------------|----------------|----------------|----------------|-------------|------------------|
| 5460            | 57.72        | 5.20                       | H              | 62.92          | 73.98          | 11.06       | PK               |
| 5460            | 36.54        | 5.20                       | H              | 41.74          | 53.98          | 12.24       | AV               |
| 5470            | 60.35        | 5.16                       | H              | 65.51          | 68.20          | 2.69        | PK               |

Band : UNII 2C  
 Operation Mode: 802.11 n\_HT20  
 Transfer MCS Index: 0  
 Operating Frequency 5540 MHz  
 Channel No. 108 Ch

| Frequency [MHz] | Reading DBuV | AN.+CL-AMP+ATT. +D.F. [dB] | ANT. POL [H/V] | Total [dBuV/m] | Limit [dBuV/m] | Margin [dB] | Measurement Type |
|-----------------|--------------|----------------------------|----------------|----------------|----------------|-------------|------------------|
| 5460            | 52.76        | 5.20                       | H              | 57.96          | 73.98          | 16.02       | PK               |
| 5460            | 36.72        | 5.20                       | H              | 41.92          | 53.98          | 12.06       | AV               |
| 5470            | 52.95        | 5.16                       | H              | 58.11          | 68.20          | 10.09       | PK               |

Band : UNII 2C  
 Operation Mode: 802.11 n\_HT20  
 Transfer MCS Index: 0  
 Operating Frequency 5720 MHz  
 Channel No. 144 Ch

| Frequency [MHz] | Reading DBuV | AN.+CL-AMP+ATT. +D.F. [dB] | ANT. POL [H/V] | Total [dBuV/m] | Limit [dBuV/m] | Margin [dB] | Measurement Type |
|-----------------|--------------|----------------------------|----------------|----------------|----------------|-------------|------------------|
| 5850            | 48.36        | 7.41                       | H              | 55.77          | 68.20          | 12.43       | PK               |
| 5850            | 47.92        | 7.41                       | V              | 55.33          | 68.20          | 12.87       | PK               |

Band : UNII 1  
 Operation Mode: 802.11 ac\_VHT20  
 Transfer MCS Index: 0  
 Operating Frequency 5180 MHz  
 Channel No. 36 Ch

| Frequency [MHz] | Reading dBuV | AN.+CL-AMP+ATT. +D.F. [dB] | ANT. POL [H/V] | Total [dBuV/m] | Limit [dBuV/m] | Margin [dB] | Measurement Type |
|-----------------|--------------|----------------------------|----------------|----------------|----------------|-------------|------------------|
| 5150            | 61.84        | 3.89                       | H              | 65.73          | 73.98          | 8.25        | PK               |
| 5150            | 40.42        | 3.89                       | H              | 44.31          | 53.98          | 9.67        | AV               |
| 5150            | 60.94        | 3.89                       | V              | 64.83          | 73.98          | 9.15        | PK               |
| 5150            | 40.05        | 3.89                       | V              | 43.94          | 53.98          | 10.04       | AV               |

Band : UNII 2A  
 Operation Mode: 802.11 ac\_VHT20  
 Transfer MCS Index: 0  
 Operating Frequency 5320 MHz  
 Channel No. 64 Ch

| Frequency [MHz] | Reading dBuV | AN.+CL-AMP+ATT. +D.F. [dB] | ANT. POL [H/V] | Total [dBuV/m] | Limit [dBuV/m] | Margin [dB] | Measurement Type |
|-----------------|--------------|----------------------------|----------------|----------------|----------------|-------------|------------------|
| 5350            | 62.21        | 4.12                       | H              | 66.33          | 73.98          | 7.65        | PK               |
| 5350            | 42.17        | 4.12                       | H              | 46.29          | 53.98          | 7.69        | AV               |
| 5350            | 61.32        | 4.12                       | V              | 65.44          | 73.98          | 8.54        | PK               |
| 5350            | 41.58        | 4.12                       | V              | 45.7           | 53.98          | 8.28        | AV               |

Band : UNII 2C  
 Operation Mode: 802.11 ac\_VHT20  
 Transfer MCS Index: 0  
 Operating Frequency 5500 MHz  
 Channel No. 100 Ch

| Frequency [MHz] | Reading DBuV | AN.+CL-AMP+ATT. +D.F. [dB] | ANT. POL [H/V] | Total [dBuV/m] | Limit [dBuV/m] | Margin [dB] | Measurement Type |
|-----------------|--------------|----------------------------|----------------|----------------|----------------|-------------|------------------|
| 5460            | 56.46        | 5.20                       | H              | 61.66          | 73.98          | 12.32       | PK               |
| 5460            | 36.70        | 5.20                       | H              | 41.9           | 53.98          | 12.08       | AV               |
| 5470            | 59.79        | 5.16                       | H              | 64.95          | 68.20          | 3.25        | PK               |
| 5460            | 56.32        | 5.20                       | V              | 61.52          | 73.98          | 12.46       | PK               |
| 5460            | 36.01        | 5.20                       | V              | 41.21          | 53.98          | 12.77       | AV               |
| 5470            | 59.02        | 5.16                       | V              | 64.18          | 68.20          | 4.02        | PK               |

Band : UNII 2C  
 Operation Mode: 802.11 ac\_VHT20  
 Transfer MCS Index: 0  
 Operating Frequency 5520 MHz  
 Channel No. 104 Ch

| Frequency [MHz] | Reading DBuV | AN.+CL-AMP+ATT. +D.F. [dB] | ANT. POL [H/V] | Total [dBuV/m] | Limit [dBuV/m] | Margin [dB] | Measurement Type |
|-----------------|--------------|----------------------------|----------------|----------------|----------------|-------------|------------------|
| 5460            | 57.72        | 5.20                       | H              | 62.92          | 73.98          | 11.06       | PK               |
| 5460            | 36.33        | 5.20                       | H              | 41.53          | 53.98          | 12.45       | AV               |
| 5470            | 60.09        | 5.16                       | H              | 65.25          | 68.20          | 2.95        | PK               |

Band : UNII 2C  
 Operation Mode: 802.11 ac\_VHT20  
 Transfer MCS Index: 0  
 Operating Frequency 5540 MHz  
 Channel No. 108 Ch

| Frequency [MHz] | Reading DBuV | AN.+CL-AMP+ATT. +D.F. [dB] | ANT. POL [H/V] | Total [dBuV/m] | Limit [dBuV/m] | Margin [dB] | Measurement Type |
|-----------------|--------------|----------------------------|----------------|----------------|----------------|-------------|------------------|
| 5460            | 51.44        | 5.20                       | H              | 56.64          | 73.98          | 17.34       | PK               |
| 5460            | 35.94        | 5.20                       | H              | 41.14          | 53.98          | 12.84       | AV               |
| 5470            | 53.53        | 5.16                       | H              | 58.69          | 68.20          | 9.51        | PK               |

Band : UNII 2C  
 Operation Mode: 802.11 ac\_VHT20  
 Transfer MCS Index: 0  
 Operating Frequency 5720 MHz  
 Channel No. 144 Ch

| Frequency [MHz] | Reading DBuV | AN.+CL-AMP+ATT. +D.F. [dB] | ANT. POL [H/V] | Total [dBuV/m] | Limit [dBuV/m] | Margin [dB] | Measurement Type |
|-----------------|--------------|----------------------------|----------------|----------------|----------------|-------------|------------------|
| 5850            | 48.19        | 7.41                       | H              | 55.60          | 68.20          | 12.60       | PK               |
| 5850            | 48.12        | 7.41                       | V              | 55.53          | 68.20          | 12.67       | PK               |

Band : UNII 1  
 Operation Mode: 802.11 n\_HT40  
 Transfer MCS Index: 0  
 Operating Frequency 5190 MHz  
 Channel No. 38 Ch

| Frequency [MHz] | Reading dBuV | AN.+CL-AMP+ATT. +D.F. [dB] | ANT. POL [H/V] | Total [dBuV/m] | Limit [dBuV/m] | Margin [dB] | Measurement Type |
|-----------------|--------------|----------------------------|----------------|----------------|----------------|-------------|------------------|
| 5150            | 62.91        | 3.89                       | H              | 66.80          | 73.98          | 7.18        | PK               |
| 5150            | 47.99        | 3.89                       | H              | 51.88          | 53.98          | 2.10        | AV               |
| 5150            | 58.43        | 3.89                       | V              | 62.32          | 73.98          | 11.66       | PK               |
| 5150            | 45.40        | 3.89                       | V              | 49.29          | 53.98          | 4.69        | AV               |

Band : UNII 1  
 Operation Mode: 802.11 n\_HT40  
 Transfer MCS Index: 0  
 Operating Frequency 5230 MHz  
 Channel No. 46 Ch

| Frequency [MHz] | Reading dBuV | AN.+CL-AMP+ATT. +D.F. [dB] | ANT. POL [H/V] | Total [dBuV/m] | Limit [dBuV/m] | Margin [dB] | Measurement Type |
|-----------------|--------------|----------------------------|----------------|----------------|----------------|-------------|------------------|
| 5150            | 48.77        | 3.89                       | H              | 52.66          | 73.98          | 21.32       | PK               |
| 5150            | 38.15        | 3.89                       | H              | 42.04          | 53.98          | 11.94       | AV               |
| 5150            | 47.91        | 3.89                       | V              | 51.8           | 73.98          | 22.18       | PK               |
| 5150            | 36.90        | 3.89                       | V              | 40.79          | 53.98          | 13.19       | AV               |

Band : UNII 2A  
 Operation Mode: 802.11 n\_HT40  
 Transfer MCS Index: 0  
 Operating Frequency 5310 MHz  
 Channel No. 62 Ch

| Frequency [MHz] | Reading dBuV | AN.+CL-AMP+ATT. +D.F. [dB] | ANT. POL [H/V] | Total [dBuV/m] | Limit [dBuV/m] | Margin [dB] | Measurement Type |
|-----------------|--------------|----------------------------|----------------|----------------|----------------|-------------|------------------|
| 5350            | 63.16        | 4.12                       | H              | 67.28          | 73.98          | 6.70        | PK               |
| 5350            | 46.57        | 4.12                       | H              | 50.69          | 53.98          | 3.29        | AV               |
| 5350            | 61.24        | 4.12                       | V              | 65.36          | 73.98          | 8.62        | PK               |
| 5350            | 45.82        | 4.12                       | V              | 49.94          | 53.98          | 4.04        | AV               |

Band : UNII 2C  
 Operation Mode: 802.11 n\_HT40  
 Transfer MCS Index: 0  
 Operating Frequency 5510 MHz  
 Channel No. 102 Ch

| Frequency [MHz] | Reading DBuV | AN.+CL-AMP+ATT. +D.F. [dB] | ANT. POL [H/V] | Total [dBuV/m] | Limit [dBuV/m] | Margin [dB] | Measurement Type |
|-----------------|--------------|----------------------------|----------------|----------------|----------------|-------------|------------------|
| 5460            | 58.33        | 5.20                       | H              | 63.53          | 73.98          | 10.45       | PK               |
| 5460            | 37.20        | 5.20                       | H              | 42.4           | 53.98          | 11.58       | AV               |
| 5470            | 59.79        | 5.16                       | H              | 64.95          | 68.20          | 3.25        | PK               |
| 5460            | 57.92        | 5.20                       | V              | 63.12          | 73.98          | 10.86       | PK               |
| 5460            | 36.30        | 5.20                       | V              | 41.5           | 53.98          | 12.48       | AV               |
| 5470            | 59.37        | 5.16                       | V              | 64.53          | 68.20          | 3.67        | PK               |

Band : UNII 2C  
 Operation Mode: 802.11 n\_HT40  
 Transfer MCS Index: 0  
 Operating Frequency 5350 MHz  
 Channel No. 110 Ch

| Frequency [MHz] | Reading DBuV | AN.+CL-AMP+ATT. +D.F. [dB] | ANT. POL [H/V] | Total [dBuV/m] | Limit [dBuV/m] | Margin [dB] | Measurement Type |
|-----------------|--------------|----------------------------|----------------|----------------|----------------|-------------|------------------|
| 5460            | 51.29        | 5.20                       | H              | 56.49          | 73.98          | 17.49       | PK               |
| 5460            | 38.08        | 5.20                       | H              | 43.28          | 53.98          | 10.70       | AV               |
| 5470            | 54.19        | 5.16                       | H              | 59.35          | 68.20          | 8.85        | PK               |

Band : UNII 2C  
 Operation Mode: 802.11 n\_HT40  
 Transfer MCS Index: 0  
 Operating Frequency 5710 MHz  
 Channel No. 142 Ch

| Frequency [MHz] | Reading DBuV | AN.+CL-AMP+ATT. +D.F. [dB] | ANT. POL [H/V] | Total [dBuV/m] | Limit [dBuV/m] | Margin [dB] | Measurement Type |
|-----------------|--------------|----------------------------|----------------|----------------|----------------|-------------|------------------|
| 5850            | 48.65        | 7.41                       | H              | 56.06          | 68.20          | 12.14       | PK               |
| 5850            | 47.65        | 7.41                       | V              | 55.06          | 68.20          | 13.14       | PK               |

Band : UNII 1  
 Operation Mode: 802.11 ac\_VHT40  
 Transfer MCS Index: 0  
 Operating Frequency 5190 MHz  
 Channel No. 38 Ch

| Frequency [MHz] | Reading dBuV | AN.+CL-AMP+ATT. +D.F. [dB] | ANT. POL [H/V] | Total [dBuV/m] | Limit [dBuV/m] | Margin [dB] | Measurement Type |
|-----------------|--------------|----------------------------|----------------|----------------|----------------|-------------|------------------|
| 5150            | 62.76        | 3.89                       | H              | 66.65          | 73.98          | 7.33        | PK               |
| 5150            | 47.24        | 3.89                       | H              | 51.13          | 53.98          | 2.85        | AV               |
| 5150            | 62.07        | 3.89                       | V              | 65.96          | 73.98          | 8.02        | PK               |
| 5150            | 46.50        | 3.89                       | V              | 50.39          | 53.98          | 3.59        | AV               |

Band : UNII 1  
 Operation Mode: 802.11 ac\_VHT40  
 Transfer MCS Index: 0  
 Operating Frequency 5230 MHz  
 Channel No. 46 Ch

| Frequency [MHz] | Reading dBuV | AN.+CL-AMP+ATT. +D.F. [dB] | ANT. POL [H/V] | Total [dBuV/m] | Limit [dBuV/m] | Margin [dB] | Measurement Type |
|-----------------|--------------|----------------------------|----------------|----------------|----------------|-------------|------------------|
| 5150            | 58.10        | 3.89                       | H              | 61.99          | 73.98          | 11.99       | PK               |
| 5150            | 37.63        | 3.89                       | H              | 41.52          | 53.98          | 12.46       | AV               |
| 5150            | 57.88        | 3.89                       | V              | 61.77          | 73.98          | 12.21       | PK               |
| 5150            | 36.20        | 3.89                       | V              | 40.09          | 53.98          | 13.89       | AV               |

Band : UNII 2A  
 Operation Mode: 802.11 ac\_VHT40  
 Transfer MCS Index: 0  
 Operating Frequency 5310 MHz  
 Channel No. 62 Ch

| Frequency [MHz] | Reading dBuV | AN.+CL-AMP+ATT. +D.F. [dB] | ANT. POL [H/V] | Total [dBuV/m] | Limit [dBuV/m] | Margin [dB] | Measurement Type |
|-----------------|--------------|----------------------------|----------------|----------------|----------------|-------------|------------------|
| 5350            | 63.00        | 4.12                       | H              | 67.12          | 73.98          | 6.86        | PK               |
| 5350            | 47.39        | 4.12                       | H              | 51.51          | 53.98          | 2.47        | AV               |
| 5350            | 62.14        | 4.12                       | V              | 66.26          | 73.98          | 7.72        | PK               |
| 5350            | 46.42        | 4.12                       | V              | 50.54          | 53.98          | 3.44        | AV               |

Band : UNII 2C  
 Operation Mode: 802.11 ac\_VHT40  
 Transfer MCS Index: 0  
 Operating Frequency 5510 MHz  
 Channel No. 102 Ch

| Frequency [MHz] | Reading DBuV | AN.+CL-AMP+ATT. +D.F. [dB] | ANT. POL [H/V] | Total [dBuV/m] | Limit [dBuV/m] | Margin [dB] | Measurement Type |
|-----------------|--------------|----------------------------|----------------|----------------|----------------|-------------|------------------|
| 5460            | 58.26        | 5.20                       | H              | 63.46          | 73.98          | 10.52       | PK               |
| 5460            | 37.08        | 5.20                       | H              | 42.28          | 53.98          | 11.70       | AV               |
| 5470            | 59.70        | 5.16                       | H              | 64.86          | 68.20          | 3.34        | PK               |
| 5460            | 57.86        | 5.20                       | V              | 63.06          | 73.98          | 10.92       | PK               |
| 5460            | 36.86        | 5.20                       | V              | 42.06          | 53.98          | 11.92       | AV               |
| 5470            | 59.26        | 5.16                       | V              | 64.42          | 68.20          | 3.78        | PK               |

Band : UNII 2C  
 Operation Mode: 802.11 ac\_VHT40  
 Transfer MCS Index: 0  
 Operating Frequency 5350 MHz  
 Channel No. 110 Ch

| Frequency [MHz] | Reading DBuV | AN.+CL-AMP+ATT. +D.F. [dB] | ANT. POL [H/V] | Total [dBuV/m] | Limit [dBuV/m] | Margin [dB] | Measurement Type |
|-----------------|--------------|----------------------------|----------------|----------------|----------------|-------------|------------------|
| 5460            | 51.64        | 5.20                       | H              | 56.84          | 73.98          | 17.14       | PK               |
| 5460            | 37.90        | 5.20                       | H              | 43.1           | 53.98          | 10.88       | AV               |
| 5470            | 56.39        | 5.16                       | H              | 61.55          | 68.20          | 6.65        | PK               |

Band : UNII 2C  
 Operation Mode: 802.11 ac\_VHT40  
 Transfer MCS Index: 0  
 Operating Frequency 5710 MHz  
 Channel No. 142 Ch

| Frequency [MHz] | Reading DBuV | AN.+CL-AMP+ATT. +D.F. [dB] | ANT. POL [H/V] | Total [dBuV/m] | Limit [dBuV/m] | Margin [dB] | Measurement Type |
|-----------------|--------------|----------------------------|----------------|----------------|----------------|-------------|------------------|
| 5850            | 49.02        | 7.41                       | H              | 56.43          | 68.20          | 11.77       | PK               |
| 5850            | 48.76        | 7.41                       | V              | 56.17          | 68.20          | 12.03       | PK               |

Band : UNII 1  
 Operation Mode: 802.11 ac\_VHT80  
 Transfer MCS Index: 0  
 Operating Frequency 5210 MHz  
 Channel No. 42 Ch

| Frequency [MHz] | Reading dBuV | AN.+CL-AMP+ATT. +D.F. [dB] | ANT. POL [H/V] | Total [dBuV/m] | Limit [dBuV/m] | Margin [dB] | Measurement Type |
|-----------------|--------------|----------------------------|----------------|----------------|----------------|-------------|------------------|
| 5150            | 58.28        | 3.89                       | H              | 62.17          | 73.98          | 11.81       | PK               |
| 5150            | 47.14        | 3.89                       | H              | 51.03          | 53.98          | 2.95        | AV               |
| 5150            | 56.23        | 3.89                       | V              | 60.12          | 73.98          | 13.86       | PK               |
| 5150            | 45.89        | 3.89                       | V              | 49.78          | 53.98          | 4.20        | AV               |

Band : UNII 2A  
 Operation Mode: 802.11 ac\_VHT80  
 Transfer MCS Index: 0  
 Operating Frequency 5290 MHz  
 Channel No. 58 Ch

| Frequency [MHz] | Reading dBuV | AN.+CL-AMP+ATT. +D.F. [dB] | ANT. POL [H/V] | Total [dBuV/m] | Limit [dBuV/m] | Margin [dB] | Measurement Type |
|-----------------|--------------|----------------------------|----------------|----------------|----------------|-------------|------------------|
| 5350            | 59.92        | 4.12                       | H              | 64.04          | 73.98          | 9.94        | PK               |
| 5350            | 46.24        | 4.12                       | H              | 50.36          | 53.98          | 3.62        | AV               |
| 5350            | 58.64        | 4.12                       | V              | 62.76          | 73.98          | 11.22       | PK               |
| 5350            | 44.84        | 4.12                       | V              | 48.96          | 53.98          | 5.02        | AV               |

Band : UNII 2C  
 Operation Mode: 802.11 ac\_VHT80  
 Transfer MCS Index: 0  
 Operating Frequency 5530 MHz  
 Channel No. 106 Ch

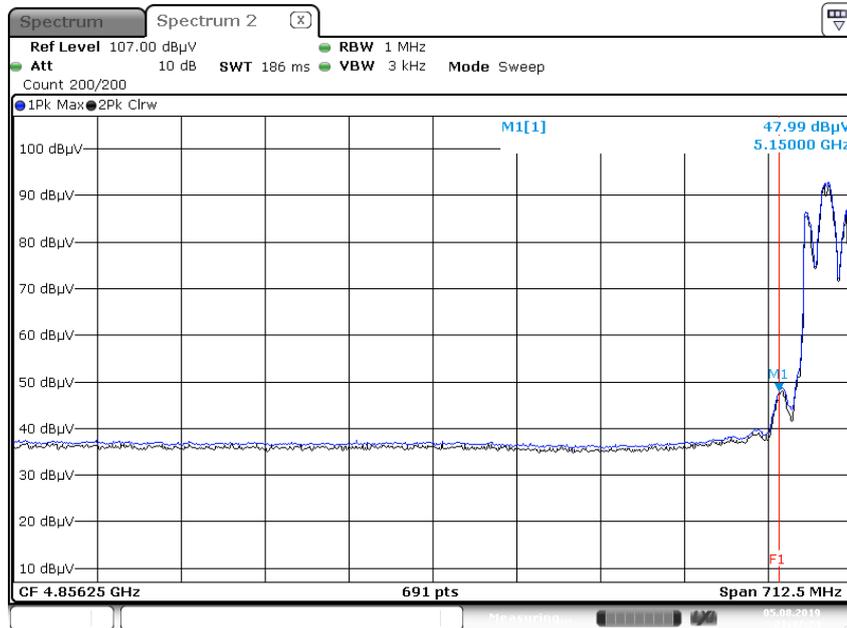
| Frequency [MHz] | Reading DBuV | AN.+CL-AMP+ATT. +D.F. [dB] | ANT. POL [H/V] | Total [dBuV/m] | Limit [dBuV/m] | Margin [dB] | Measurement Type |
|-----------------|--------------|----------------------------|----------------|----------------|----------------|-------------|------------------|
| 5460            | 55.13        | 5.20                       | H              | 60.33          | 73.98          | 13.65       | PK               |
| 5460            | 43.02        | 5.20                       | H              | 48.22          | 53.98          | 5.76        | AV               |
| 5470            | 57.91        | 5.16                       | H              | 63.07          | 68.20          | 5.13        | PK               |
| 5460            | 56.37        | 5.20                       | V              | 61.57          | 73.98          | 12.41       | PK               |
| 5460            | 43.46        | 5.20                       | V              | 48.66          | 53.98          | 5.32        | AV               |
| 5470            | 58.65        | 5.16                       | V              | 63.81          | 68.20          | 4.39        | PK               |

Band : UNII 2C  
 Operation Mode: 802.11 ac\_VHT80  
 Transfer MCS Index: 0  
 Operating Frequency 5690 MHz  
 Channel No. 138 Ch

| Frequency [MHz] | Reading DBuV | AN.+CL-AMP+ATT. +D.F. [dB] | ANT. POL [H/V] | Total [dBuV/m] | Limit [dBuV/m] | Margin [dB] | Measurement Type |
|-----------------|--------------|----------------------------|----------------|----------------|----------------|-------------|------------------|
| 5850            | 48.91        | 7.41                       | H              | 56.32          | 68.20          | 11.88       | PK               |
| 5850            | 47.39        | 7.41                       | V              | 54.8           | 68.20          | 13.40       | PK               |

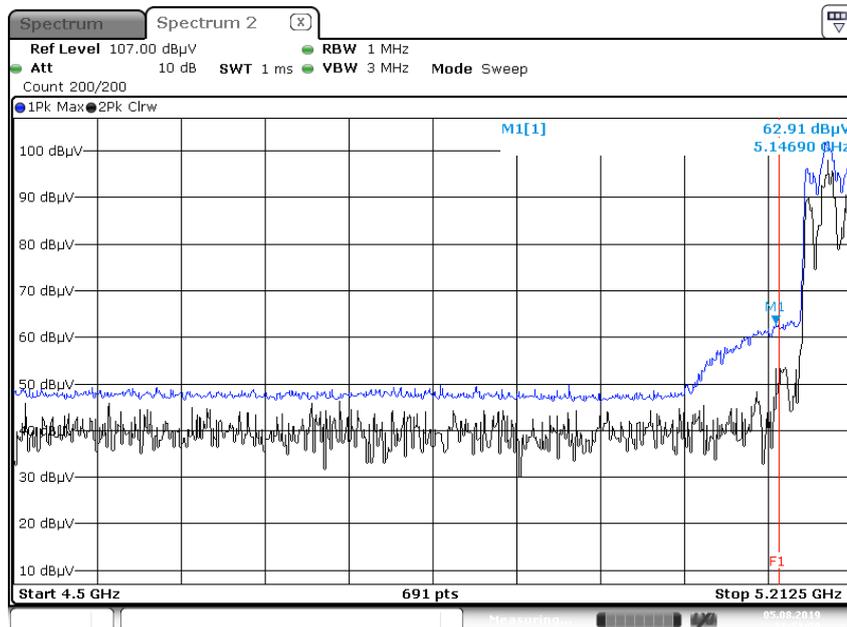
▣ Test Plots(UNII 1, 2A, 2C)

Average Reading (802.11 n\_HT40, Ch.38, Z-H)



Date: 5.AUG.2019 21:47:24

Peak Reading (802.11 n\_HT40, Ch.38, Z-H)



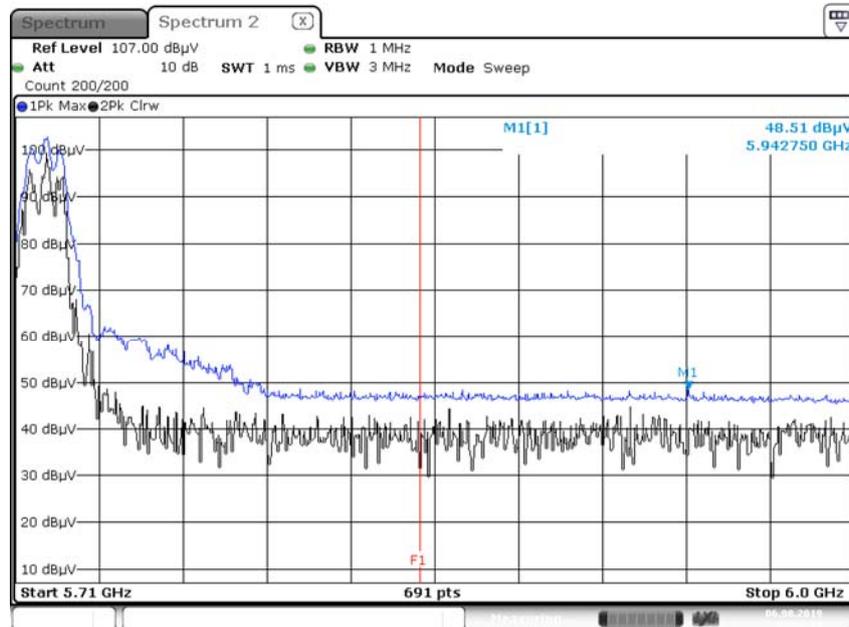
Date: 5.AUG.2019 21:52:59

**Note:**

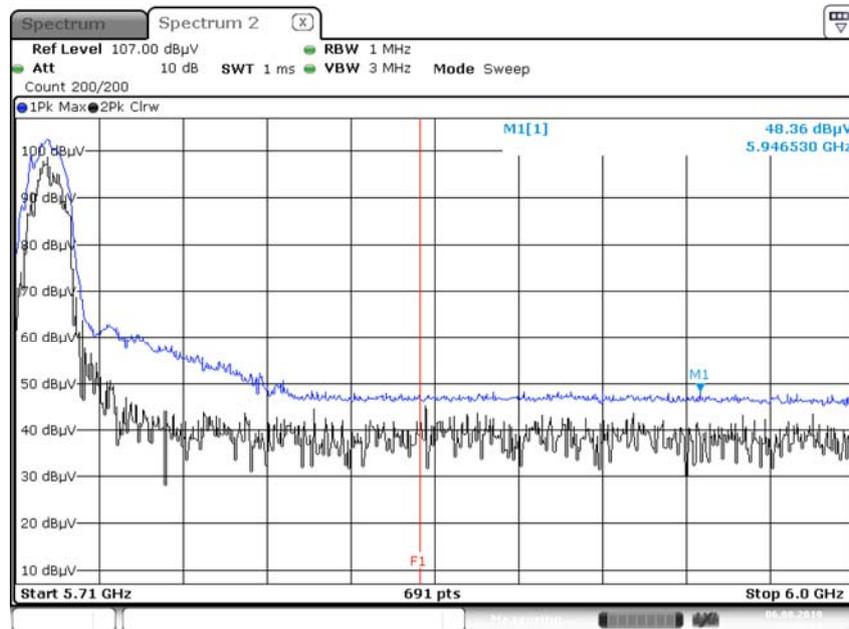
Only the worst case plots for Radiated Restricted Band Edge.

▣ Test Plots(Staraddle Channel)

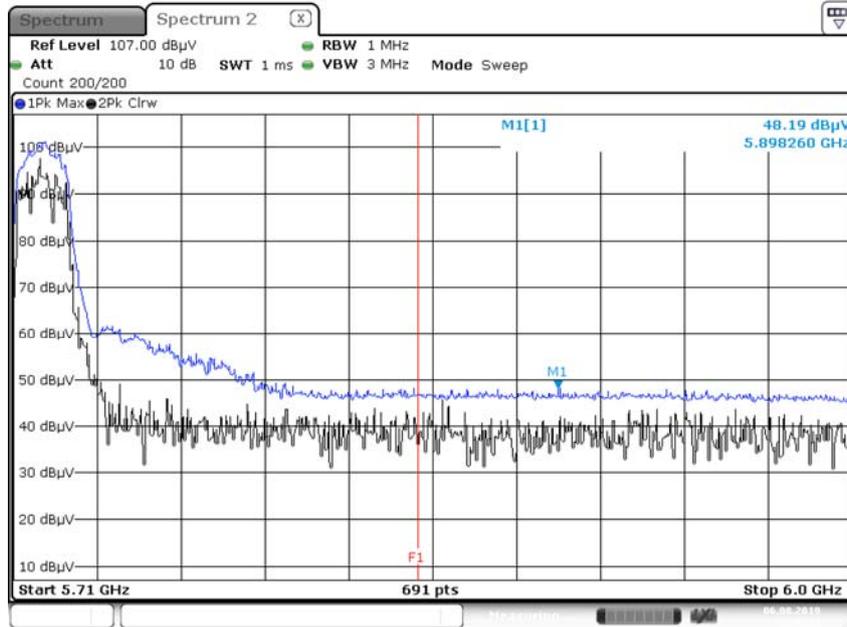
Peak Reading (802.11a, Ch.144, Y-H)



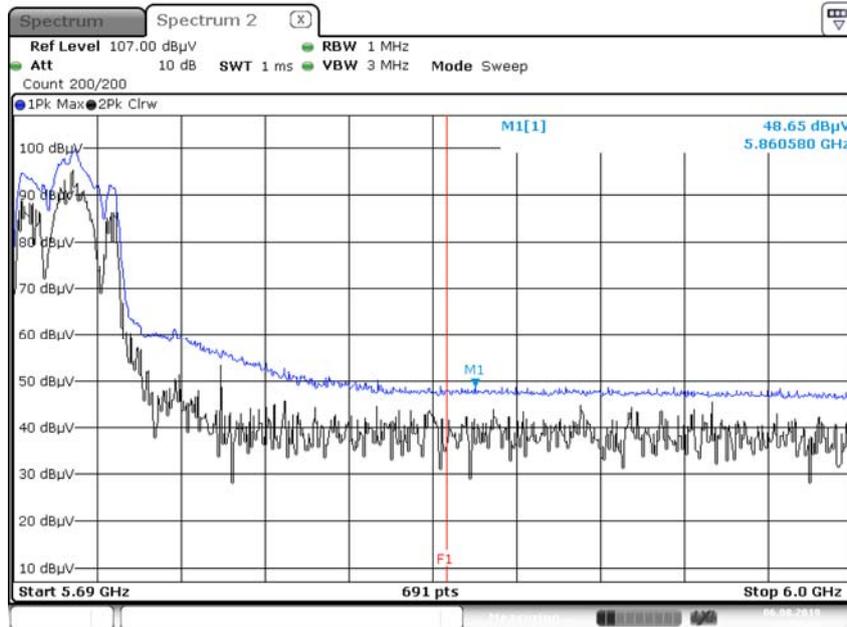
Peak Reading (802.11n\_HT20, Ch.144, Y-H)



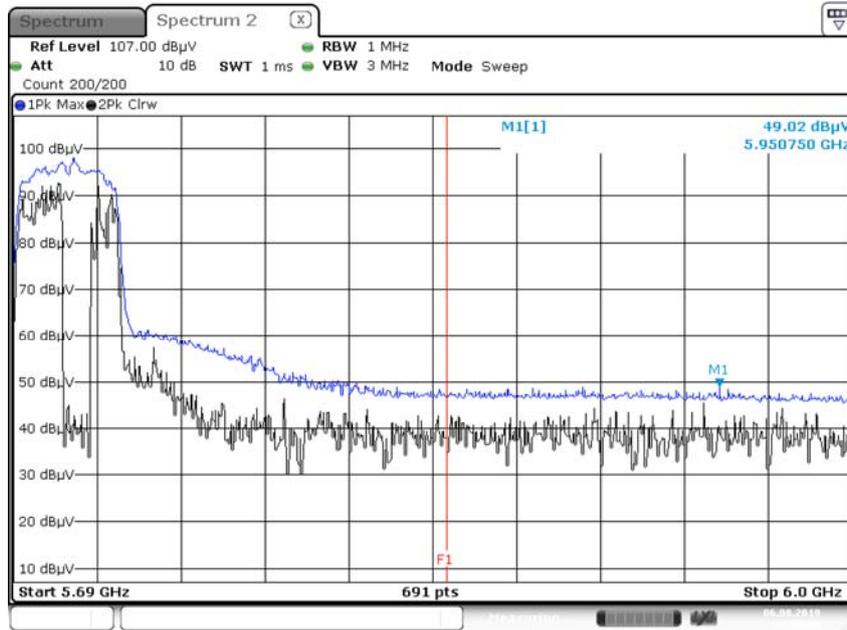
### Peak Reading (802.11ac\_VHT20, Ch.144, Y-H)



### Peak Reading (802.11n\_HT40, Ch.142, Y-H)

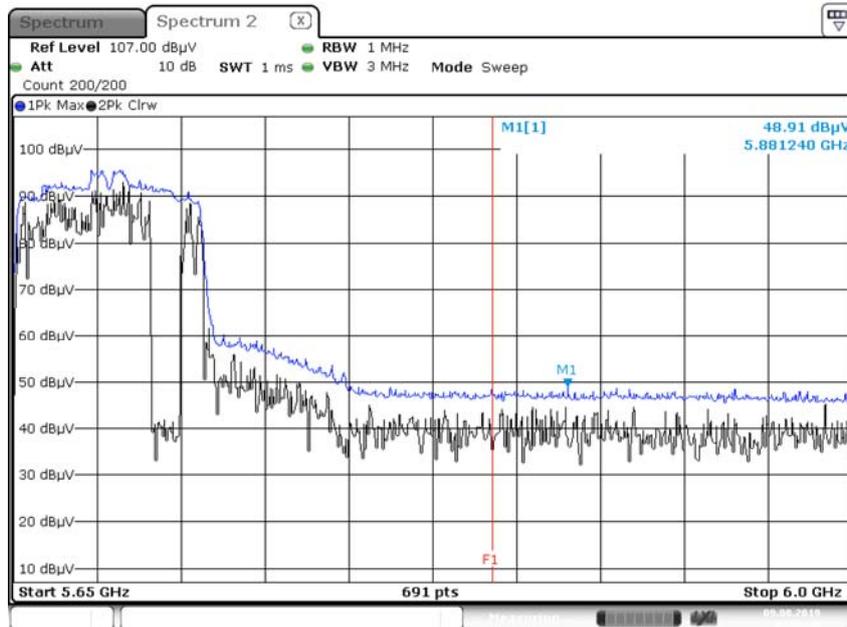


Peak Reading (802.11ac\_VHT40, Ch.142, Y-H)



Date: 6.AUG.2019 23:59:09

Peak Reading (802.11ac\_VHT80, Ch.138, Y-H)



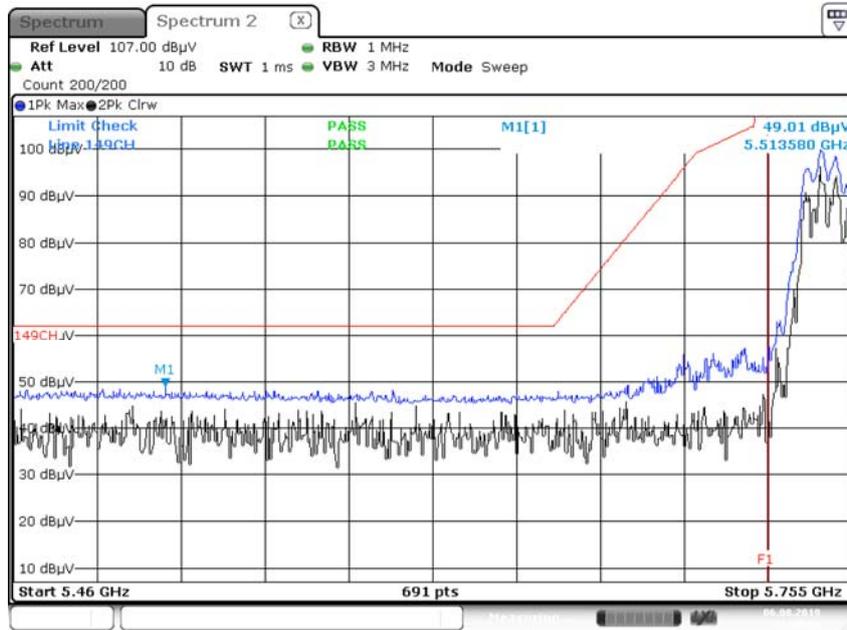
Date: 9.AUG.2019 03:55:49

**Note :**

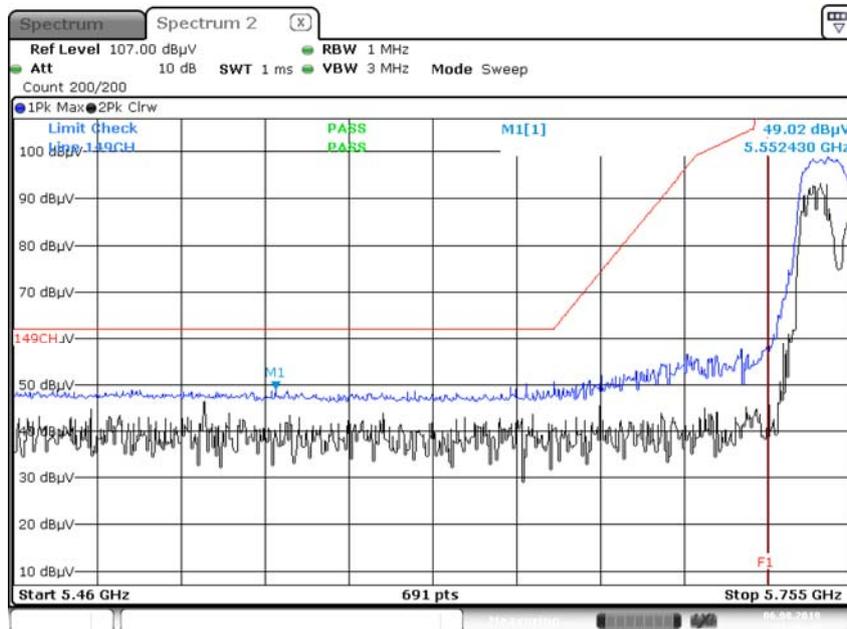
1. Only the worst case plots for Radiated Restricted Band Edge.
2. Red line : 5 850 MHz
3. Ambient Noise (Because of ambient noise, We attached only the worst plot without a data table)

▣ Test Plots(UNII 3)

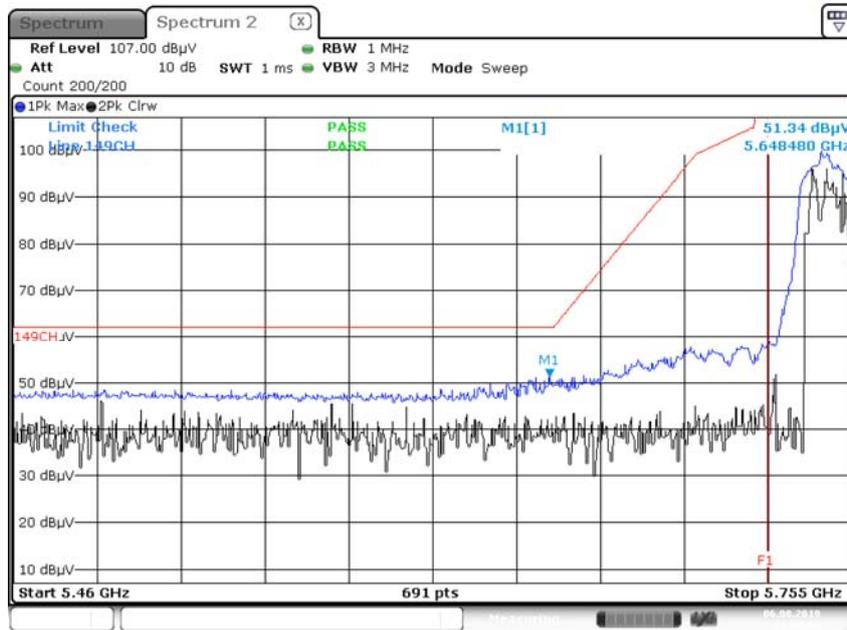
Peak Reading (802.11a, Ch.149, Z-V)



Peak Reading (802.11n\_HT20, Ch.149, Z-V)

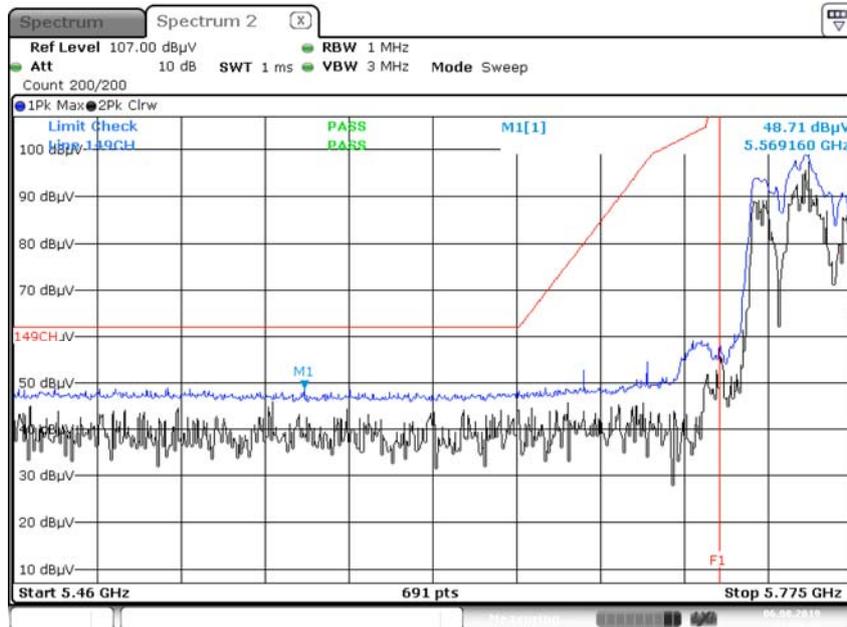


### Peak Reading (802.11ac\_VHT20, Ch.149, Z-V)



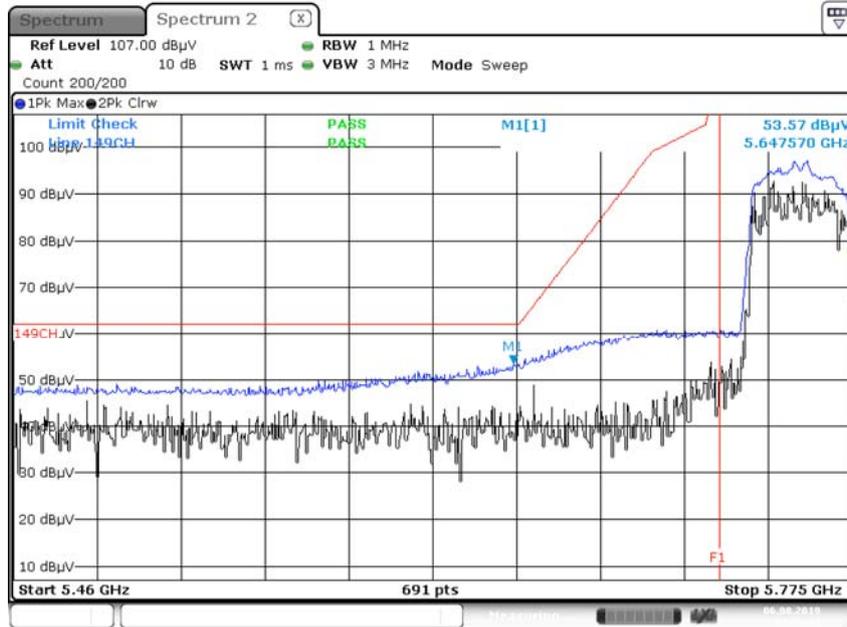
Date: 6.AUG.2019 21:50:54

### Peak Reading (802.11n\_HT40, Ch.151, Z-V)

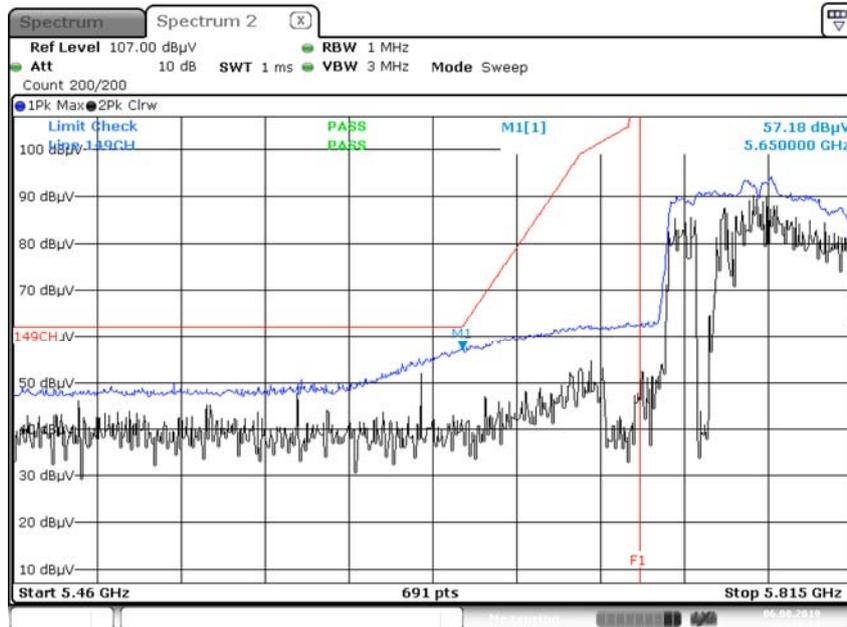


Date: 6.AUG.2019 21:59:43

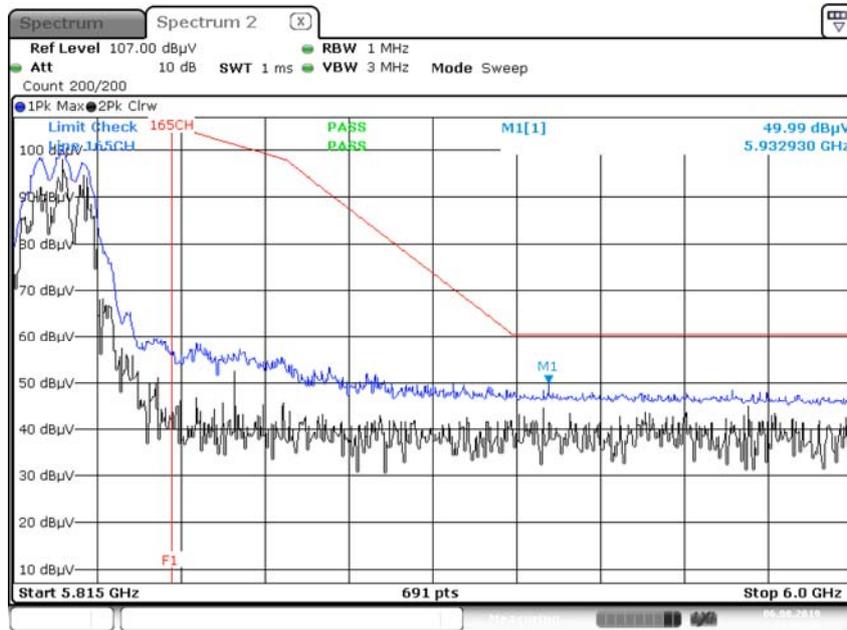
Peak Reading (802.11ac\_VHT40, Ch.151, Z-V)



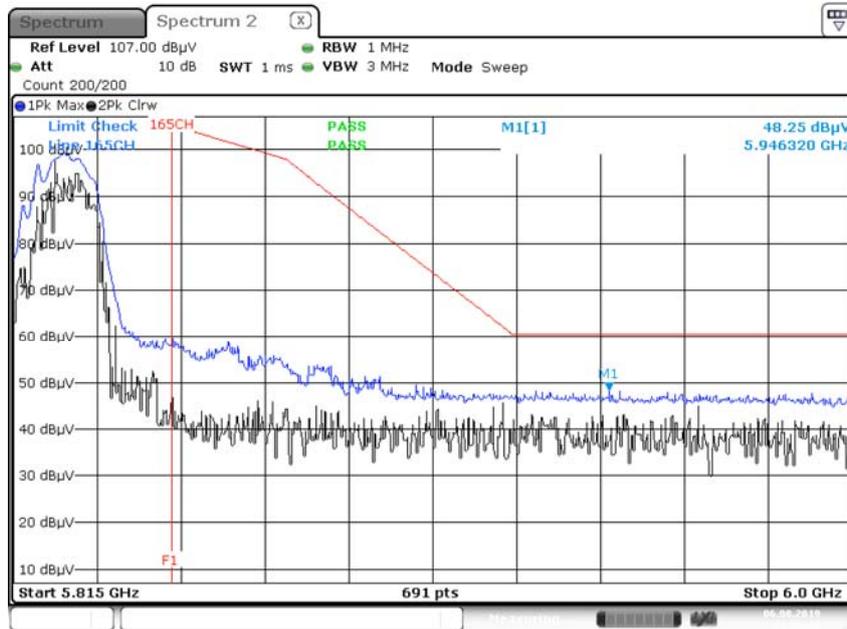
Peak Reading (802.11ac\_VHT80, Ch.155, Z-V)



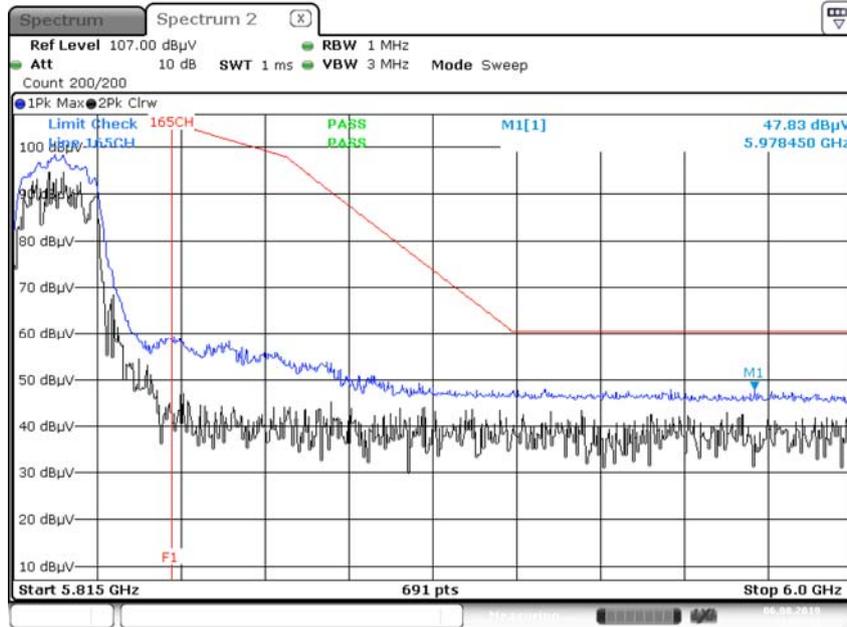
Peak Reading (802.11a, Ch.165, Z-V)



Peak Reading (802.11n\_HT20, Ch.165, Z-V)

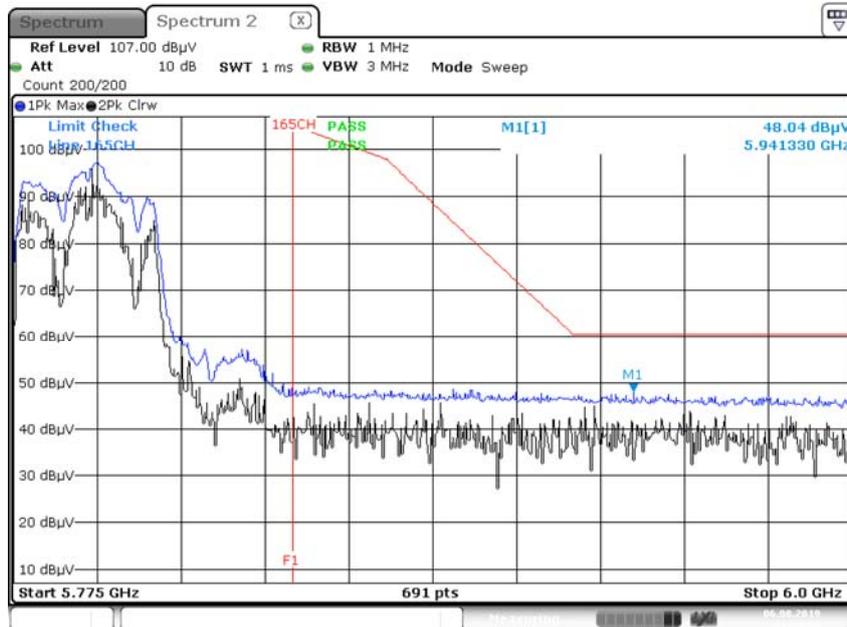


### Peak Reading (802.11ac\_VHT20, Ch.165, Z-V)



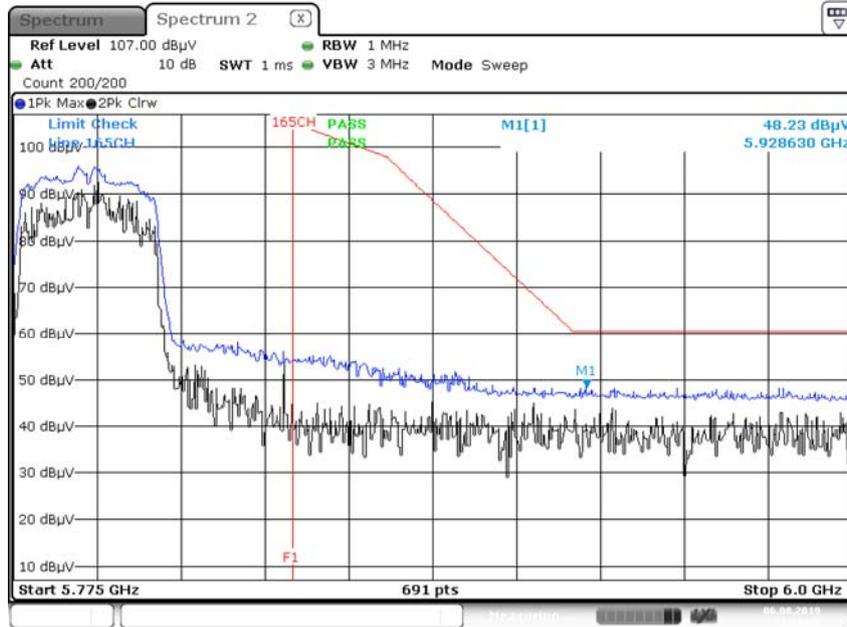
Date: 6.AUG.2019 21:07:18

### Peak Reading (802.11n\_HT40, Ch.159, Z-V)



Date: 6.AUG.2019 21:13:00

### Peak Reading (802.11ac\_VHT40, Ch.159, Z-V)



### Peak Reading (802.11ac\_VHT80, Ch.155, Z-V)



### 10.10 POWERLINE CONDUCTED EMISSIONS

#### Conducted Emissions (Line 1)

5G\_L1

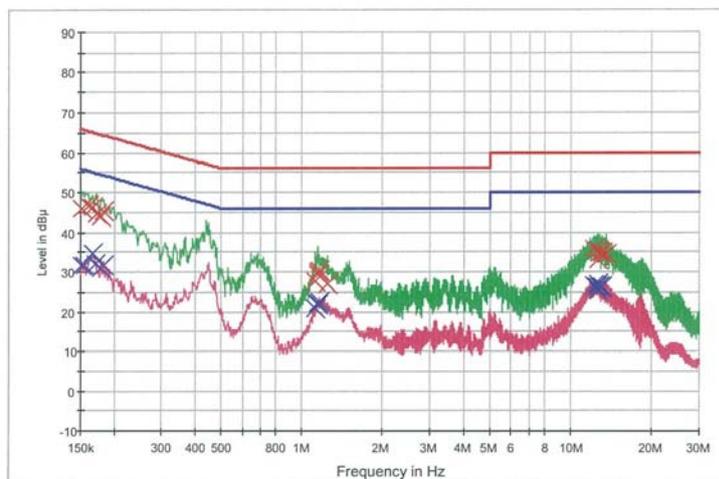
1 / 2

## HCT TEST Report

### Common Information

EUT: SM-A908B  
 Manufacturer: SAMSUNG  
 Test Site: SHIELD ROOM  
 Operating Conditions: 5G Mode\_L1

FCC CLASS B\_Exten Cable



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

### Final Result 1

| Frequency (MHz) | QuasiPeak (dBuV) | Bandwidth (kHz) | Filter | Line | Corr. (dB) | Margin (dB) | Limit (dBuV) |
|-----------------|------------------|-----------------|--------|------|------------|-------------|--------------|
| 0.152000        | 45.8             | 9.000           | Off    | L1   | 9.7        | 20.1        | 65.9         |
| 0.160000        | 46.5             | 9.000           | Off    | L1   | 9.7        | 18.9        | 65.5         |
| 0.166000        | 46.2             | 9.000           | Off    | L1   | 9.7        | 19.0        | 65.2         |
| 0.172000        | 44.4             | 9.000           | Off    | L1   | 9.7        | 20.4        | 64.9         |
| 0.178000        | 43.9             | 9.000           | Off    | L1   | 9.7        | 20.7        | 64.6         |
| 0.184000        | 45.2             | 9.000           | Off    | L1   | 9.7        | 19.1        | 64.3         |
| 1.128000        | 27.8             | 9.000           | Off    | L1   | 9.8        | 28.2        | 56.0         |
| 1.142000        | 30.1             | 9.000           | Off    | L1   | 9.8        | 25.9        | 56.0         |
| 1.146000        | 29.3             | 9.000           | Off    | L1   | 9.8        | 26.7        | 56.0         |
| 1.154000        | 29.3             | 9.000           | Off    | L1   | 9.8        | 26.7        | 56.0         |
| 1.164000        | 30.2             | 9.000           | Off    | L1   | 9.8        | 25.8        | 56.0         |
| 1.242000        | 27.1             | 9.000           | Off    | L1   | 9.9        | 28.9        | 56.0         |
| 12.224000       | 35.8             | 9.000           | Off    | L1   | 10.3       | 24.2        | 60.0         |
| 12.570000       | 33.2             | 9.000           | Off    | L1   | 10.3       | 26.8        | 60.0         |
| 12.588000       | 35.3             | 9.000           | Off    | L1   | 10.3       | 24.7        | 60.0         |
| 12.848000       | 34.7             | 9.000           | Off    | L1   | 10.3       | 25.3        | 60.0         |
| 13.040000       | 34.8             | 9.000           | Off    | L1   | 10.3       | 25.2        | 60.0         |
| 13.558000       | 34.5             | 9.000           | Off    | L1   | 10.4       | 25.5        | 60.0         |

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오전 10:02:24

5G\_L1

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**Final Result 2**

| Frequency (MHz) | CAverage (dBuV) | Bandwidth (kHz) | Filter | Line | Corr. (dB) | Margin (dB) | Limit (dBuV) |
|-----------------|-----------------|-----------------|--------|------|------------|-------------|--------------|
| 0.152000        | 31.7            | 9.000           | Off    | L1   | 9.7        | 24.2        | 55.9         |
| 0.156000        | 31.7            | 9.000           | Off    | L1   | 9.7        | 23.9        | 55.7         |
| 0.166000        | 34.7            | 9.000           | Off    | L1   | 9.7        | 20.5        | 55.2         |
| 0.170000        | 32.0            | 9.000           | Off    | L1   | 9.7        | 23.0        | 55.0         |
| 0.178000        | 31.1            | 9.000           | Off    | L1   | 9.7        | 23.5        | 54.6         |
| 0.184000        | 31.8            | 9.000           | Off    | L1   | 9.7        | 22.5        | 54.3         |
| 1.128000        | 20.9            | 9.000           | Off    | L1   | 9.8        | 25.1        | 46.0         |
| 1.142000        | 22.1            | 9.000           | Off    | L1   | 9.8        | 23.9        | 46.0         |
| 1.146000        | 22.0            | 9.000           | Off    | L1   | 9.8        | 24.0        | 46.0         |
| 1.150000        | 22.0            | 9.000           | Off    | L1   | 9.8        | 24.0        | 46.0         |
| 1.154000        | 22.2            | 9.000           | Off    | L1   | 9.8        | 23.8        | 46.0         |
| 1.164000        | 22.7            | 9.000           | Off    | L1   | 9.8        | 23.3        | 46.0         |
| 12.224000       | 26.7            | 9.000           | Off    | L1   | 10.3       | 23.3        | 50.0         |
| 12.538000       | 26.3            | 9.000           | Off    | L1   | 10.3       | 23.7        | 50.0         |
| 12.570000       | 25.2            | 9.000           | Off    | L1   | 10.3       | 24.8        | 50.0         |
| 12.588000       | 26.9            | 9.000           | Off    | L1   | 10.3       | 23.1        | 50.0         |
| 12.848000       | 26.4            | 9.000           | Off    | L1   | 10.3       | 23.6        | 50.0         |
| 13.040000       | 26.2            | 9.000           | Off    | L1   | 10.3       | 23.8        | 50.0         |

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오전 10:02:24

Conducted Emissions (Line 2)

5G\_N

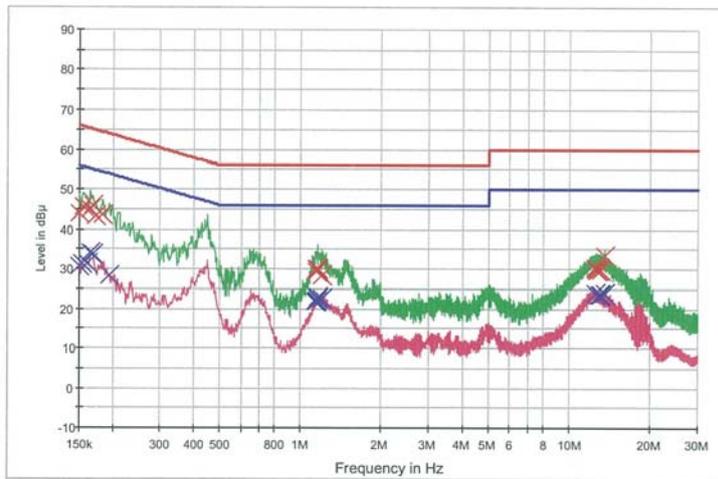
1 / 2

### HCT TEST Report

**Common Information**

EUT: SM-A908B  
 Manufacturer: SAMSUNG  
 Test Site: SHIELD ROOM  
 Operating Conditions: 5G Mode\_N

FCC CLASS B\_Exten Cable



— 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) |
|-----------------|------------------|-----------------|--------|------|------------|-------------|--------------|
| 0.150000        | 43.8             | 9.000           | Off    | N    | 9.8        | 22.2        | 66.0         |
| 0.156000        | 45.5             | 9.000           | Off    | N    | 9.8        | 20.1        | 65.7         |
| 0.164000        | 45.0             | 9.000           | Off    | N    | 9.8        | 20.2        | 65.3         |
| 0.168000        | 45.8             | 9.000           | Off    | N    | 9.8        | 19.3        | 65.1         |
| 0.172000        | 43.2             | 9.000           | Off    | N    | 9.8        | 21.7        | 64.9         |
| 0.184000        | 43.7             | 9.000           | Off    | N    | 9.8        | 20.7        | 64.3         |
| 1.144000        | 30.0             | 9.000           | Off    | N    | 10.0       | 26.0        | 56.0         |
| 1.148000        | 29.2             | 9.000           | Off    | N    | 10.0       | 26.8        | 56.0         |
| 1.162000        | 30.1             | 9.000           | Off    | N    | 10.0       | 25.9        | 56.0         |
| 1.166000        | 29.6             | 9.000           | Off    | N    | 10.0       | 26.4        | 56.0         |
| 1.196000        | 28.2             | 9.000           | Off    | N    | 10.0       | 27.8        | 56.0         |
| 1.200000        | 28.2             | 9.000           | Off    | N    | 10.0       | 27.8        | 56.0         |
| 12.442000       | 30.0             | 9.000           | Off    | N    | 10.6       | 30.0        | 60.0         |
| 12.452000       | 30.3             | 9.000           | Off    | N    | 10.6       | 29.7        | 60.0         |
| 12.564000       | 29.5             | 9.000           | Off    | N    | 10.6       | 30.5        | 60.0         |
| 12.786000       | 29.8             | 9.000           | Off    | N    | 10.6       | 30.2        | 60.0         |
| 13.072000       | 29.6             | 9.000           | Off    | N    | 10.6       | 30.4        | 60.0         |
| 13.560000       | 33.3             | 9.000           | Off    | N    | 10.6       | 26.7        | 60.0         |

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오전 9:49:10

5G\_N

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**Final Result 2**

| Frequency (MHz) | CAverage (dBuV) | Bandwidth (kHz) | Filter | Line | Corr. (dB) | Margin (dB) | Limit (dBuV) |
|-----------------|-----------------|-----------------|--------|------|------------|-------------|--------------|
| 0.150000        | 30.7            | 9.000           | Off    | N    | 9.8        | 25.3        | 56.0         |
| 0.154000        | 31.3            | 9.000           | Off    | N    | 9.8        | 24.5        | 55.8         |
| 0.160000        | 31.2            | 9.000           | Off    | N    | 9.8        | 24.2        | 55.5         |
| 0.164000        | 34.0            | 9.000           | Off    | N    | 9.8        | 21.2        | 55.3         |
| 0.168000        | 33.7            | 9.000           | Off    | N    | 9.8        | 21.4        | 55.1         |
| 0.194000        | 28.4            | 9.000           | Off    | N    | 9.8        | 25.4        | 53.9         |
| 1.140000        | 22.0            | 9.000           | Off    | N    | 10.0       | 24.0        | 46.0         |
| 1.144000        | 22.2            | 9.000           | Off    | N    | 10.0       | 23.8        | 46.0         |
| 1.148000        | 21.9            | 9.000           | Off    | N    | 10.0       | 24.1        | 46.0         |
| 1.162000        | 22.8            | 9.000           | Off    | N    | 10.0       | 23.2        | 46.0         |
| 1.166000        | 22.7            | 9.000           | Off    | N    | 10.0       | 23.3        | 46.0         |
| 1.200000        | 22.4            | 9.000           | Off    | N    | 10.0       | 23.6        | 46.0         |
| 12.496000       | 23.9            | 9.000           | Off    | N    | 10.6       | 26.1        | 50.0         |
| 12.902000       | 23.5            | 9.000           | Off    | N    | 10.6       | 26.5        | 50.0         |
| 12.954000       | 23.7            | 9.000           | Off    | N    | 10.6       | 26.3        | 50.0         |
| 13.042000       | 23.4            | 9.000           | Off    | N    | 10.6       | 26.6        | 50.0         |
| 13.072000       | 23.4            | 9.000           | Off    | N    | 10.6       | 26.6        | 50.0         |
| 13.560000       | 24.0            | 9.000           | Off    | N    | 10.6       | 21.7        | 50.0         |

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## 11. LIST OF TEST EQUIPMENT

### Conducted Test

| Manufacturer    | Model / Equipment                            | Calibration Date | Calibration Interval | Serial No. |
|-----------------|--|------------------|----------------------|------------|
| Rohde & Schwarz | ENV216 / LISN                                | 12/12/2018       | Annual               | 102245     |
| Rohde & Schwarz | ESCI / Test Receiver                         | 06/18/2019       | Annual               | 100584     |
| ESPAC           | SU-642 / Temperature Chamber                 | 03/12/2019       | Annual               | 0093008124 |
| Agilent         | N9020A / Signal Analyzer                     | 05/23/2019       | Annual               | MY51110085 |
| Agilent         | N9030A / Signal Analyzer                     | 11/20/2018       | Annual               | MY49431210 |
| Agilent         | N1911A / Power Meter                         | 04/10/2019       | Annual               | MY45100523 |
| Agilent         | N1921A / Power Sensor                        | 04/10/2019       | Annual               | MY52260025 |
| Agilent         | 87300B / Directional Coupler                 | 11/20/2018       | Annual               | 3116A03621 |
| Hewlett Packard | 11667B / Power Splitter                      | 05/24/2019       | Annual               | 05001      |
| Hewlett Packard | E3632A / DC Power Supply                     | 06/18/2019       | Annual               | KR75303960 |
| WEINSCHTEL      | 2-20 / Attenuator(20 dB)                     | 10/26/2018       | Annual               | BR0592     |
| Rohde & Schwarz | EMC32 / Software                             | N/A              | N/A                  | N/A        |
| HCT CO., LTD.   | FCC WLAN&BT&BLE Conducted Test Software v3.0 | N/A              | N/A                  | N/A        |
| Rohde & Schwarz | CBT / Bluetooth Tester                       | 05/16/2019       | Annual               | 100422     |

### Note:

1. Equipment listed above that calibrated during the testing period was set for test after the calibration.
2. Equipment listed above that has a calibration due date during the testing period, the testing is completed before equipment expiration date.

**Radiated Test**

| Manufacturer           | Model / Equipment                                       | Calibration Date | Calibration Interval | Serial No.  |
|------------------------|---|------------------|----------------------|-------------|
| Innco system           | CO3000 / Controller(Antenna mast)                       | N/A              | N/A                  | CO3000-4p   |
| Innco system           | MA4640/800-XP-EP / Antenna Position Tower               | N/A              | N/A                  | N/A         |
| Audix                  | EM1000 / Controller                                     | N/A              | N/A                  | 060520      |
| Audix                  | Turn Table  | N/A              | N/A                  | N/A         |
| Rohde & Schwarz        | Loop Antenna  | 08/23/2018       | Biennial             | 1513-175    |
| Schwarzbeck            | VULB 9168 / Hybrid Antenna                              | 03/22/2019       | Biennial             | 760         |
| Schwarzbeck            | VULB 9160 / TRILOG Antenna                              | 08/09/2018       | Biennial             | 9160-3368   |
| Schwarzbeck            | BBHA 9120D / Horn Antenna                               | 08/01/2019       | Biennial             | 1151        |
| Schwarzbeck            | BBHA 9120D / Horn Antenna                               | 04/29/2019       | Biennial             | 937         |
| Schwarzbeck            | BBHA9170 / Horn Antenna(15 GHz ~ 40 GHz)                | 12/04/2017       | Biennial             | BBHA9170541 |
| Rohde & Schwarz        | FSP(9 kHz ~ 30 GHz) / Spectrum Analyzer                 | 09/03/2018       | Annual               | 100688      |
| Rohde & Schwarz        | FSV40-N / Spectrum Analyzer                             | 09/28/2018       | Annual               | 101068-SZ   |
| Agilent                | N9020A / Signal Analyzer                                | 05/23/2019       | Annual               | MY51110085  |
| Wainwright Instruments | WHK3.0/18G-10EF / High Pass Filter                      | 05/23/2019       | Annual               | 8           |
| Wainwright Instruments | WHKX7.0/18G-8SS / High Pass Filter                      | 05/03/2019       | Annual               | 29          |
| Wainwright Instruments | WRCJV2400/2483.5-2370/2520-60/12SS / Band Reject Filter | 06/19/2019       | Annual               | 2           |
| Wainwright Instruments | WRCJV5100/5850-40/50-8EEK / Band Reject Filter          | 01/03/2019       | Annual               | 2           |
| Api tech.              | 18B-03 / Attenuator (3 dB)                              | 06/04/2019       | Annual               | 1           |
| H+S                    | 5910-N-50-010 / Attenuator(10 dB)                       | 11/08/2018       | Annual               | NONE        |
| CERNEX                 | CBLU1183540 / Power Amplifier                           | 07/01/2019       | Annual               | 22964       |
| CERNEX                 | CBL06185030 / Power Amplifier                           | 07/01/2019       | Annual               | 22965       |
| CERNEX                 | CBL18265035 / Power Amplifier                           | 01/03/2019       | Annual               | 22966       |
| CERNEX                 | CBL26405040 / Power Amplifier                           | 06/18/2019       | Annual               | 25956       |
| TESCOM                 | TC-3000C / Bluetooth Tester                             | 03/26/2019       | Annual               | 3000C000276 |

**Note:**

1. Equipment listed above that calibrated during the testing period was set for test after the calibration.
2. Equipment listed above that has a calibration due date during the testing period, the testing is completed before equipment expiration date.

## 12. ANNEX A\_ TEST SETUP PHOTO

Please refer to test setup photo file no. as follows;

| No. | Description         |
|-----|---------------------|
| 1   | HCT-RF-1908-FC038-P |