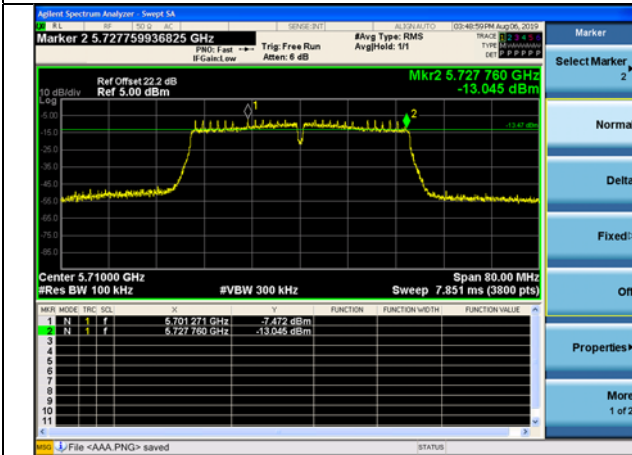
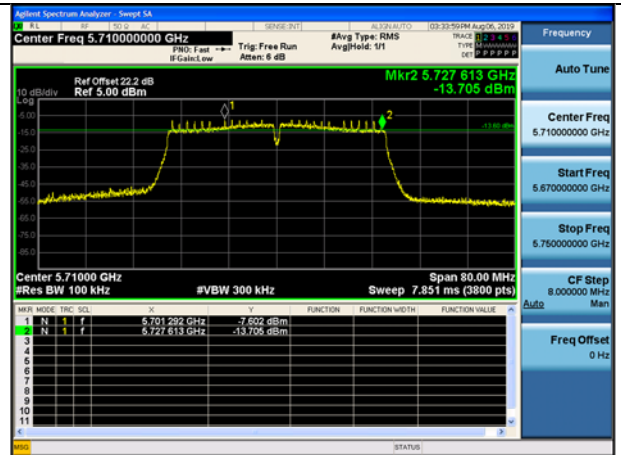


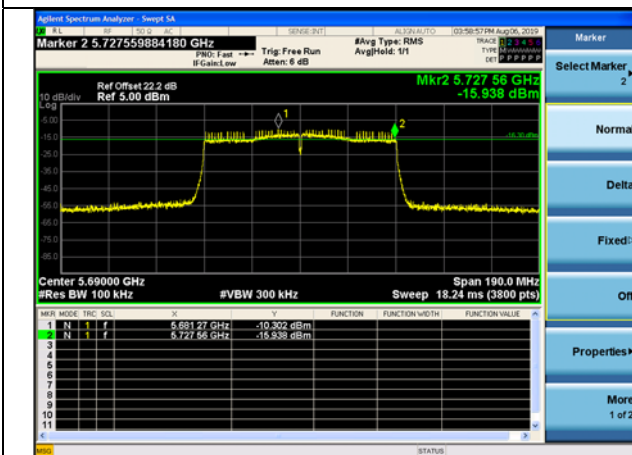
802.11n_HT40 CH.142



802.11ac_VHT40 CH.142



802.11ac_VHT80 CH.138



10.7.3 Output Power

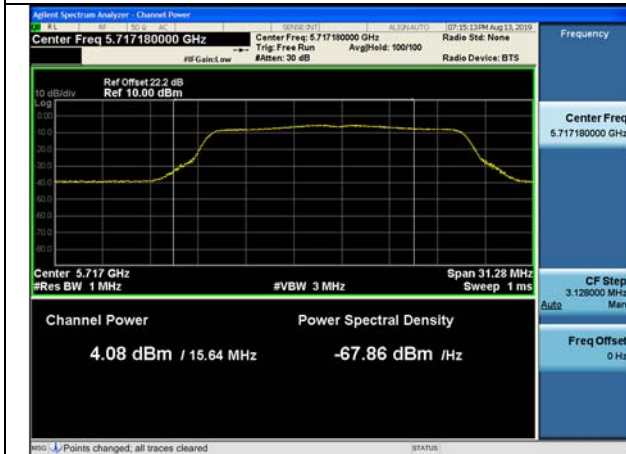
| Mode | Frequency [MHz] | Channel | Measured Power (dBm) | Duty Cycle Factor (dB) | Total Power (dBm) | Limit (dBm) |
|-----------------|-----------------------|---------|----------------------------|------------------------------|-------------------------|----------------|
| 802.11a | 5720 | 144 | 4.08 | 0.214 | 4.29 | 24.22 |
| 802.11n(HT20) | (UNII 2C | | 2.26 | 1.373 | 3.63 | 24.32 |
| 802.11ac(VHT20) | Band) | | 3.82 | 1.342 | 5.16 | 24.29 |
| 802.11a | 5720 (UNII 3 Band) | 144 | -3.12 | 0.214 | -2.91 | 30.00 |
| 802.11n(HT20) | | | -3.12 | 1.373 | -1.75 | 30.00 |
| 802.11ac(VHT20) | | | -2.63 | 1.342 | -1.29 | 30.00 |

| Mode | Frequency [MHz] | Channel | Measured Power (dBm) | Duty Cycle Factor (dB) | Total Power (dBm) | Limit (dBm) |
|-----------------|-----------------|---------|----------------------|------------------------|-------------------|-------------|
| 802.11n(HT40) | 5710 | 142 | 2.39 | 2.536 | 4.93 | 26.98 |
| 802.11ac(VHT40) | (UNII 2C Band) | | 4.13 | 0.803 | 4.93 | 26.99 |
| 802.11n(HT40) | 5710 | 142 | -8.91 | 2.536 | -6.37 | 30.00 |
| 802.11ac(VHT40) | (UNII 3 Band) | | -7.42 | 0.803 | -6.62 | 30.00 |

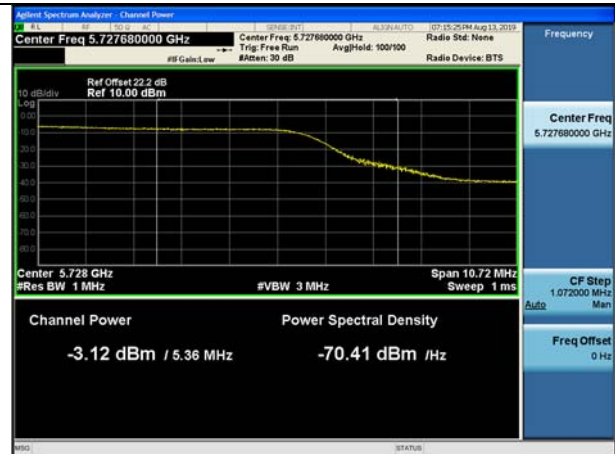
| Mode | Frequency [MHz] | Channel | Measured Power (dBm) | Duty Cycle Factor (dB) | Total Power (dBm) | Limit (dBm) |
|-----------------|---------------------|---------|----------------------|------------------------|-------------------|-------------|
| 802.11ac(VHT80) | 5690 (UNII 2C Band) | 138 | 1.28 | 3.326 | 4.61 | 30.10 |
| | 5690 (UNII 3 Band) | 138 | -11.96 | 3.326 | -8.63 | 30.00 |

■ Test Plots

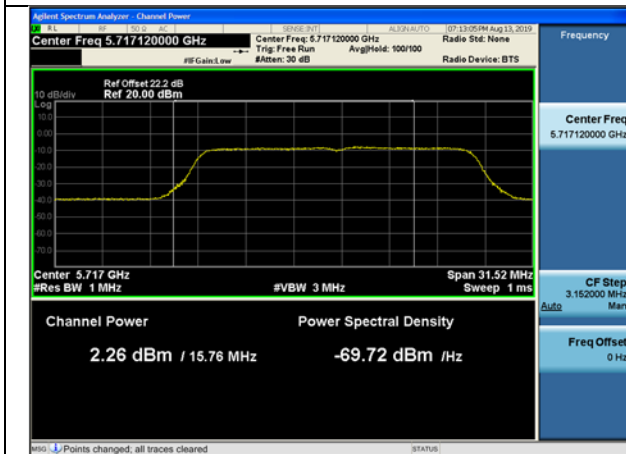
802.11a UNII 2C Band



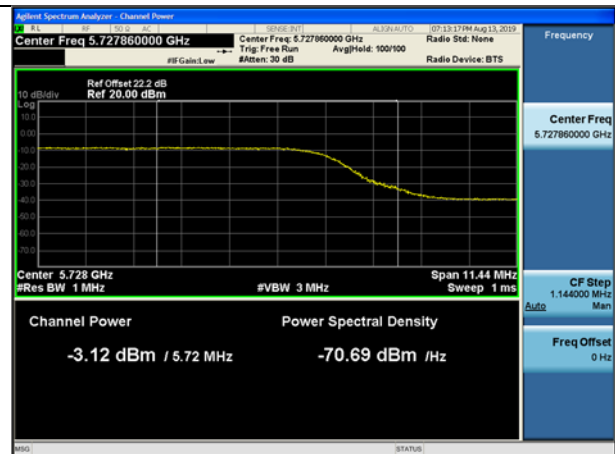
802.11a UNII 3 Band



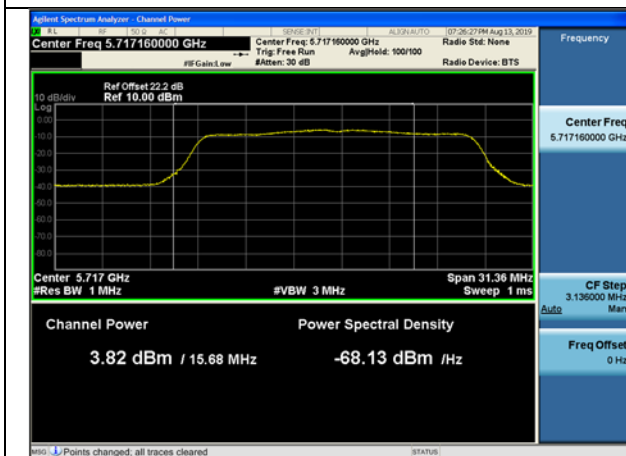
802.11n(HT20) UNII 2C Band



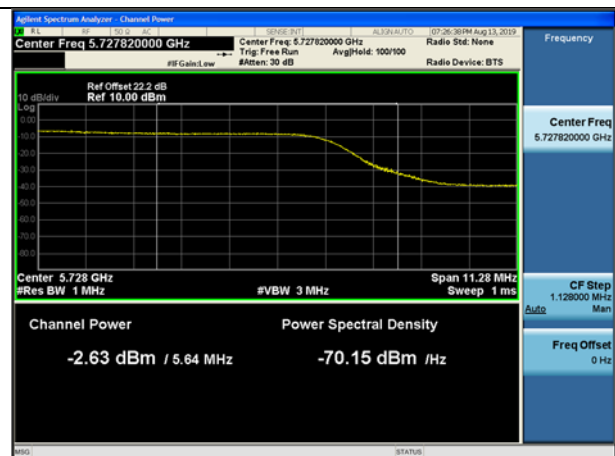
802.11n(HT20) UNII 3 Band



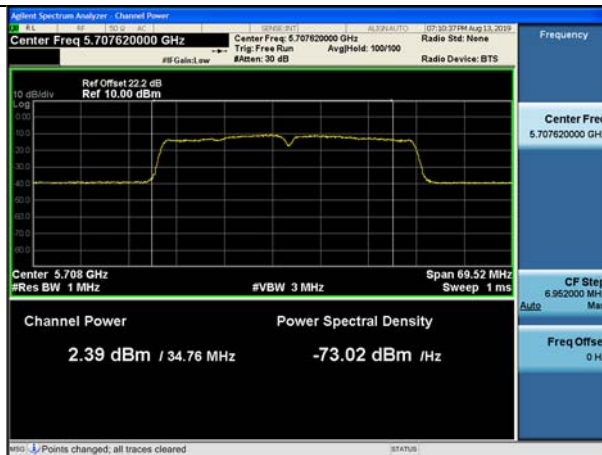
802.11ac(VHT20) UNII 2C Band



802.11ac(VHT20) UNII 3 Band



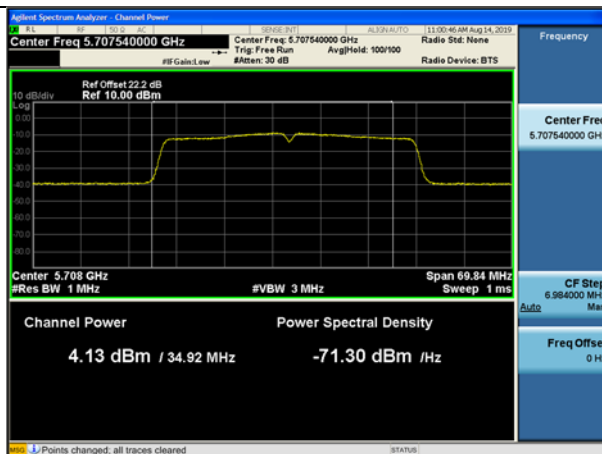
802.11n(HT40) UNII 2C Band



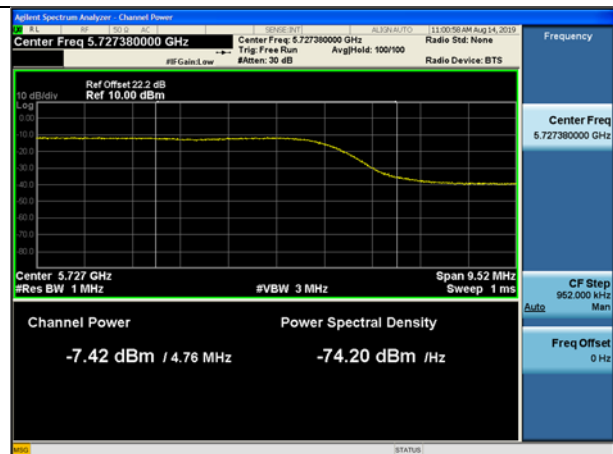
802.11n(HT40) UNII 3 Band



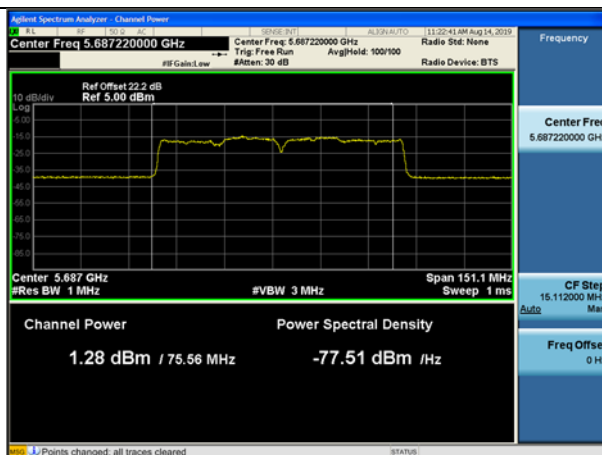
802.11ac(VHT40) UNII 2C Band



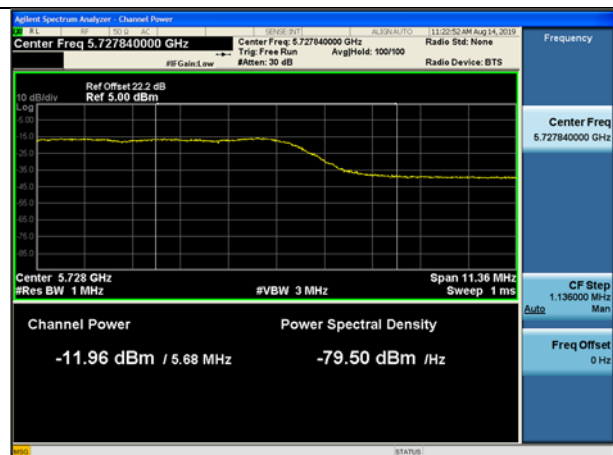
802.11ac(VHT40) UNII 3 Band



802.11ac(VHT80) UNII 2C Band



802.11ac(VHT80) UNII 3 Band



10.7.4 Power Spectral Density

| Mode | Frequency [MHz] | Channel | Measured Density (dBm) | Duty Cycle Factor (dB) | Total PSD (dBm) | Limit (dBm) |
|-----------------|------------------------|---------|------------------------|------------------------|-----------------|-------------|
| 802.11a | 5720 (UNII 2C Band) | 144 | -5.480 | 0.214 | -5.266 | 11.00 |
| 802.11n(HT20) | | | -7.978 | 1.373 | -6.605 | 11.00 |
| 802.11ac(VHT20) | | | -5.414 | 1.342 | -4.072 | 11.00 |
| 802.11a | 5720 (UNII 3 Band) | 144 | -10.485 | 0.214 | -10.271 | 30.00 |
| 802.11n(HT20) | | | -10.200 | 1.373 | -8.827 | 30.00 |
| 802.11ac(VHT20) | | | -10.530 | 1.342 | -9.188 | 30.00 |

| Mode | Frequency [MHz] | Channel | Measured Density (dBm) | Duty Cycle Factor (dB) | Total PSD (dBm) | Limit (dBm) |
|-----------------|------------------------|---------|------------------------|------------------------|-----------------|-------------|
| 802.11n(HT40) | 5710 (UNII 2C Band) | 142 | -10.354 | 2.536 | -7.818 | 11.00 |
| 802.11ac(VHT40) | | | -9.132 | 0.803 | -8.329 | 11.00 |
| 802.11n(HT40) | 5710 (UNII 3 Band) | 142 | -16.042 | 2.536 | -13.506 | 30.00 |
| 802.11ac(VHT40) | | | -14.250 | 0.803 | -13.447 | 30.00 |

| Mode | Frequency [MHz] | Channel | Measured Density (dBm) | Duty Cycle Factor (dB) | Total PSD (dBm) | Limit (dBm) |
|-----------------|------------------------|---------|------------------------|------------------------|-----------------|-------------|
| 802.11ac(VHT80) | 5690 (UNII 2C Band) | 138 | -15.352 | 3.326 | -12.026 | 11.00 |
| | 5690 (UNII 3 Band) | 138 | -18.602 | 3.326 | -15.276 | 30.00 |

Test Plots

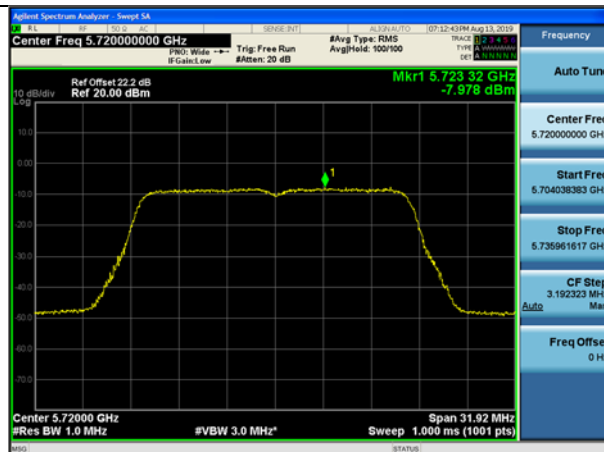
802.11a UNII 2C Band



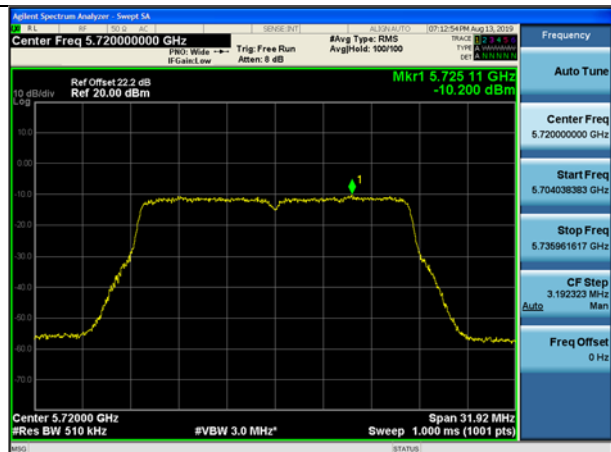
802.11a UNII 3 Band



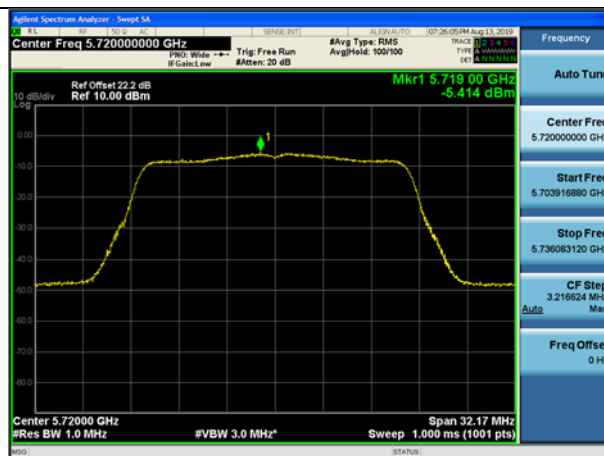
802.11n(HT20) UNII 2C Band



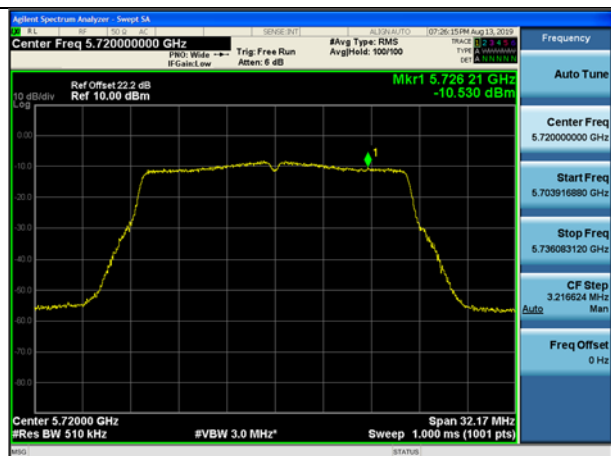
802.11n(HT20) UNII 3 Band



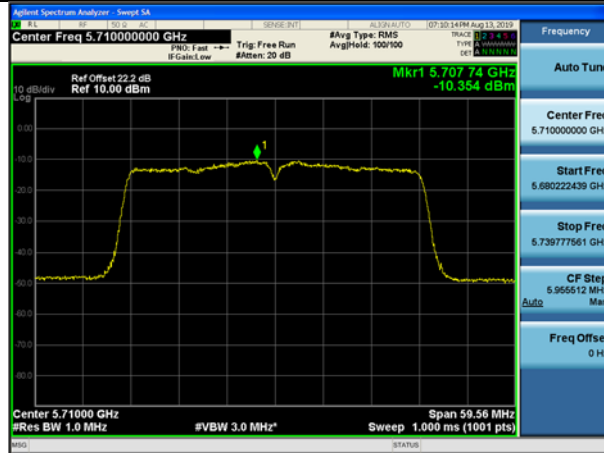
802.11ac(VHT20) UNII 2C Band



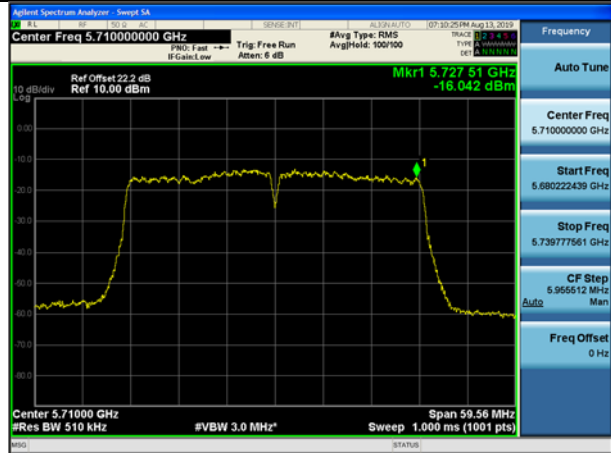
802.11ac(VHT20) UNII 3 Band



802.11n(HT40) UNII 2C Band



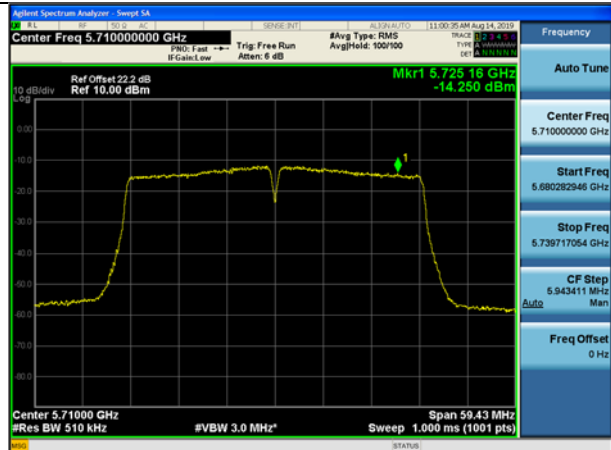
802.11n(HT40) UNII 3 Band



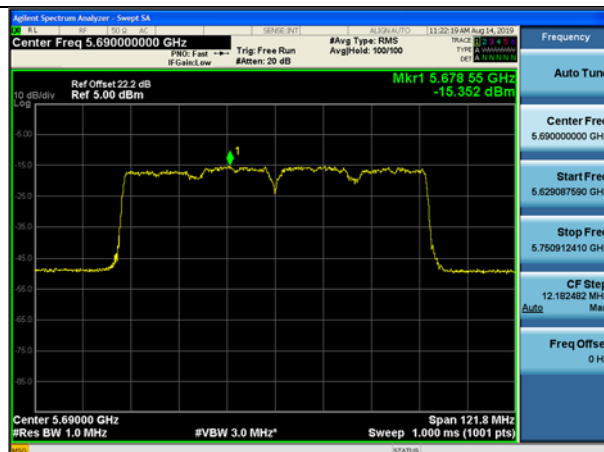
802.11ac(VHT40) UNII 2C Band



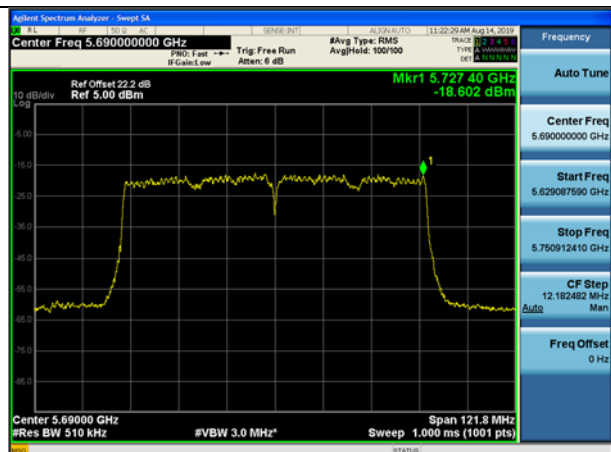
802.11ac(VHT40) UNII 3 Band



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 = $40 \cdot \log(\text{specific distance} / \text{test distance})$ (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 OFS 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 [MHz] | Reading dBuV | AN.+CL-AMP G [dB] | ANT. POL [H/V] | Total [dBuV/m] | Limit [dBuV/m] | Margin [dB] | Detect |
|-----------------|--------------|-------------------|----------------|----------------|----------------|-------------|--------|
| 10360 | 48.86 | 4.10 | V | 52.96 | 68.20 | 15.24 | PK |
| 15540 | 47.51 | 5.36 | V | 52.87 | 73.98 | 21.11 | PK |
| 15540 | 34.05 | 5.36 | V | 39.41 | 53.98 | 14.57 | AV |
| 10360 | 48.96 | 4.10 | H | 53.06 | 68.20 | 15.14 | PK |
| 15540 | 47.60 | 5.36 | H | 52.96 | 73.98 | 21.02 | PK |
| 15540 | 34.10 | 5.36 | H | 39.46 | 53.98 | 14.52 | AV |

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

| Frequency [MHz] | Reading dBuV | AN.+CL-AMP G [dB] | ANT. POL [H/V] | Total [dBuV/m] | Limit [dBuV/m] | Margin [dB] | Detect |
|-----------------|--------------|-------------------|----------------|----------------|----------------|-------------|--------|
| 10400 | 48.61 | 3.87 | V | 52.48 | 68.20 | 15.72 | PK |
| 15600 | 48.61 | 4.75 | V | 53.36 | 73.98 | 20.62 | PK |
| 15600 | 34.55 | 4.75 | V | 39.30 | 53.98 | 14.68 | AV |
| 10400 | 48.71 | 3.87 | H | 52.58 | 68.20 | 15.62 | PK |
| 15600 | 48.79 | 4.75 | H | 53.54 | 73.98 | 20.44 | PK |
| 15600 | 34.57 | 4.75 | H | 39.32 | 53.98 | 14.66 | AV |

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

| Frequency [MHz] | Reading dBuV | AN.+CL-AMP G [dB] | ANT. POL [H/V] | Total [dBuV/m] | Limit [dBuV/m] | Margin [dB] | Detect |
|-----------------|--------------|-------------------|----------------|----------------|----------------|-------------|--------|
| 10480 | 48.43 | 4.52 | V | 52.95 | 68.20 | 15.25 | PK |
| 15720 | 47.62 | 3.58 | V | 51.20 | 73.98 | 22.78 | PK |
| 15720 | 34.53 | 3.58 | V | 38.11 | 53.98 | 15.87 | AV |
| 10480 | 48.51 | 4.52 | H | 53.03 | 68.20 | 15.17 | PK |
| 15720 | 47.72 | 3.58 | H | 51.30 | 73.98 | 22.68 | PK |
| 15720 | 34.60 | 3.58 | H | 38.18 | 53.98 | 15.80 | AV |

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

| Frequency [MHz] | Reading dBuV | AN.+CL-AMP G [dB] | ANT. POL [H/V] | Total [dBuV/m] | Limit [dBuV/m] | Margin [dB] | Detect |
|-----------------|--------------|-------------------|----------------|----------------|----------------|-------------|--------|
| 10360 | 48.73 | 4.10 | V | 52.83 | 68.20 | 15.37 | PK |
| 15540 | 47.81 | 5.36 | V | 53.17 | 73.98 | 20.81 | PK |
| 15540 | 34.31 | 5.36 | V | 39.67 | 53.98 | 14.31 | AV |
| 10360 | 48.99 | 4.10 | H | 53.09 | 68.20 | 15.11 | PK |
| 15540 | 47.84 | 5.36 | H | 53.20 | 73.98 | 20.78 | PK |
| 15540 | 34.50 | 5.36 | H | 39.86 | 53.98 | 14.12 | AV |

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

| Frequency [MHz] | Reading dBuV | AN.+CL-AMP G [dB] | ANT. POL [H/V] | Total [dBuV/m] | Limit [dBuV/m] | Margin [dB] | Detect |
|-----------------|--------------|-------------------|----------------|----------------|----------------|-------------|--------|
| 10400 | 48.51 | 3.87 | V | 52.38 | 68.20 | 15.82 | PK |
| 15600 | 48.69 | 4.75 | V | 53.44 | 73.98 | 20.54 | PK |
| 15600 | 34.24 | 4.75 | V | 38.99 | 53.98 | 14.99 | AV |
| 10400 | 48.69 | 3.87 | H | 52.56 | 68.20 | 15.64 | PK |
| 15600 | 48.82 | 4.75 | H | 53.57 | 73.98 | 20.41 | PK |
| 15600 | 34.39 | 4.75 | H | 39.14 | 53.98 | 14.84 | AV |

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

| Frequency [MHz] | Reading dBuV | AN.+CL-AMP G [dB] | ANT. POL [H/V] | Total [dBuV/m] | Limit [dBuV/m] | Margin [dB] | Detect |
|-----------------|--------------|-------------------|----------------|----------------|----------------|-------------|--------|
| 10480 | 48.54 | 4.52 | V | 53.06 | 68.20 | 15.14 | PK |
| 15720 | 47.73 | 3.58 | V | 51.31 | 73.98 | 22.67 | PK |
| 15720 | 34.38 | 3.58 | V | 37.96 | 53.98 | 16.02 | AV |
| 10480 | 48.66 | 4.52 | H | 53.18 | 68.20 | 15.02 | PK |
| 15720 | 47.85 | 3.58 | H | 51.43 | 73.98 | 22.55 | PK |
| 15720 | 34.55 | 3.58 | H | 38.13 | 53.98 | 15.85 | AV |

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

| Frequency [MHz] | Reading dBuV | AN.+CL-AMP G [dB] | ANT. POL [H/V] | Total [dBuV/m] | Limit [dBuV/m] | Margin [dB] | Detect |
|-----------------|--------------|-------------------|----------------|----------------|----------------|-------------|--------|
| 10360 | 48.77 | 4.10 | V | 52.87 | 68.20 | 15.33 | PK |
| 15540 | 47.52 | 5.36 | V | 52.88 | 73.98 | 21.10 | PK |
| 15540 | 34.36 | 5.36 | V | 39.72 | 53.98 | 14.26 | AV |
| 10360 | 48.78 | 4.10 | H | 52.88 | 68.20 | 15.32 | PK |
| 15540 | 47.68 | 5.36 | H | 53.04 | 73.98 | 20.94 | PK |
| 15540 | 34.49 | 5.36 | H | 39.85 | 53.98 | 14.13 | AV |

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

| Frequency [MHz] | Reading dBuV | AN.+CL-AMP G [dB] | ANT. POL [H/V] | Total [dBuV/m] | Limit [dBuV/m] | Margin [dB] | Detect |
|-----------------|--------------|-------------------|----------------|----------------|----------------|-------------|--------|
| 10400 | 48.28 | 3.87 | V | 52.15 | 68.20 | 16.05 | PK |
| 15600 | 48.56 | 4.75 | V | 53.31 | 73.98 | 20.67 | PK |
| 15600 | 34.20 | 4.75 | V | 38.95 | 53.98 | 15.03 | AV |
| 10400 | 48.54 | 3.87 | H | 52.41 | 68.20 | 15.79 | PK |
| 15600 | 48.77 | 4.75 | H | 53.52 | 73.98 | 20.46 | PK |
| 15600 | 34.29 | 4.75 | H | 39.04 | 53.98 | 14.94 | 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 | AN.+CL-AMP G [dB] | ANT. POL [H/V] | Total [dBuV/m] | Limit [dBuV/m] | Margin [dB] | Detect |
|-----------------|--------------|-------------------|----------------|----------------|----------------|-------------|--------|
| 10480 | 48.37 | 4.52 | V | 52.89 | 68.20 | 15.31 | PK |
| 15720 | 47.65 | 3.58 | V | 51.23 | 73.98 | 22.75 | PK |
| 15720 | 34.37 | 3.58 | V | 37.95 | 53.98 | 16.03 | AV |
| 10480 | 48.58 | 4.52 | H | 53.10 | 68.20 | 15.10 | PK |
| 15720 | 47.91 | 3.58 | H | 51.49 | 73.98 | 22.49 | PK |
| 15720 | 34.52 | 3.58 | H | 38.10 | 53.98 | 15.88 | AV |

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

| Frequency [MHz] | Reading dBuV | AN.+CL-AMP G [dB] | ANT. POL [H/V] | Total [dBuV/m] | Limit [dBuV/m] | Margin [dB] | Detect |
|-----------------|--------------|-------------------|----------------|----------------|----------------|-------------|--------|
| 10380 | 48.32 | 4.09 | V | 52.41 | 68.20 | 15.79 | PK |
| 15570 | 48.34 | 4.73 | V | 53.07 | 73.98 | 20.91 | PK |
| 15570 | 33.96 | 4.73 | V | 38.69 | 53.98 | 15.29 | AV |
| 10380 | 48.51 | 4.09 | H | 52.60 | 68.20 | 15.60 | PK |
| 15570 | 48.58 | 4.73 | H | 53.31 | 73.98 | 20.67 | PK |
| 15570 | 34.06 | 4.73 | H | 38.79 | 53.98 | 15.19 | AV |

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

| Frequency [MHz] | Reading dBuV | AN.+CL-AMP G [dB] | ANT. POL [H/V] | Total [dBuV/m] | Limit [dBuV/m] | Margin [dB] | Detect |
|-----------------|--------------|-------------------|----------------|----------------|----------------|-------------|--------|
| 10460 | 48.18 | 4.54 | V | 52.72 | 68.20 | 15.48 | PK |
| 15690 | 47.56 | 3.69 | V | 51.25 | 73.98 | 22.73 | PK |
| 15690 | 33.99 | 3.69 | V | 37.68 | 53.98 | 16.30 | AV |
| 10460 | 48.27 | 4.54 | H | 52.81 | 68.20 | 15.39 | PK |
| 15690 | 47.50 | 3.69 | H | 51.19 | 73.98 | 22.79 | PK |
| 15690 | 34.03 | 3.69 | H | 37.72 | 53.98 | 16.26 | AV |

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 | AN.+CL-AMP G [dB] | ANT. POL [H/V] | Total [dBuV/m] | Limit [dBuV/m] | Margin [dB] | Detect |
|-----------------|--------------|-------------------|----------------|----------------|----------------|-------------|--------|
| 10380 | 48.39 | 4.09 | V | 52.48 | 68.20 | 15.72 | PK |
| 15570 | 48.48 | 4.73 | V | 53.21 | 73.98 | 20.77 | PK |
| 15570 | 33.91 | 4.73 | V | 38.64 | 53.98 | 15.34 | AV |
| 10380 | 48.46 | 4.09 | H | 52.55 | 68.20 | 15.65 | PK |
| 15570 | 48.53 | 4.73 | H | 53.26 | 73.98 | 20.72 | PK |
| 15570 | 33.96 | 4.73 | H | 38.69 | 53.98 | 15.29 | AV |

Band : UNII 1

Operation Mode: 802.11 ac(VHT40)

Transfer MCS Index: MCS0

Operating Frequency 5230 MHz

Channel No. 46 Ch

| Frequency [MHz] | Reading dBuV | AN.+CL-AMP G [dB] | ANT. POL [H/V] | Total [dBuV/m] | Limit [dBuV/m] | Margin [dB] | Detect |
|-----------------|--------------|-------------------|----------------|----------------|----------------|-------------|--------|
| 10460 | 48.15 | 4.54 | V | 52.69 | 68.20 | 15.51 | PK |
| 15690 | 47.57 | 3.69 | V | 51.26 | 73.98 | 22.72 | PK |
| 15690 | 34.05 | 3.69 | V | 37.74 | 53.98 | 16.24 | AV |
| 10460 | 48.19 | 4.54 | H | 52.73 | 68.20 | 15.47 | PK |
| 15690 | 47.58 | 3.69 | H | 51.27 | 73.98 | 22.71 | PK |
| 15690 | 34.11 | 3.69 | H | 37.80 | 53.98 | 16.18 | AV |

Band : UNII 1

Operation Mode: 802.11 ac(VHT80)

Transfer MCS Index: MCS0

Operating Frequency 5210 MHz

Channel No. 42 Ch

| Frequency [MHz] | Reading dBuV | AN.+CL-AMP G [dB] | ANT. POL [H/V] | Total [dBuV/m] | Limit [dBuV/m] | Margin [dB] | Detect |
|-----------------|--------------|-------------------|----------------|----------------|----------------|-------------|--------|
| 10420 | 47.96 | 3.79 | V | 51.75 | 68.20 | 16.45 | PK |
| 15630 | 47.96 | 4.02 | V | 51.98 | 73.98 | 22.00 | PK |
| 15630 | 36.21 | 4.02 | V | 40.23 | 53.98 | 13.75 | AV |
| 10420 | 48.08 | 3.79 | H | 51.87 | 68.20 | 16.33 | PK |
| 15630 | 48.01 | 4.02 | H | 52.03 | 73.98 | 21.95 | PK |
| 15630 | 36.29 | 4.02 | H | 40.31 | 53.98 | 13.67 | AV |

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

| Frequency [MHz] | Reading dBuV | AN.+CL-AMP G [dB] | ANT. POL [H/V] | Total [dBuV/m] | Limit [dBuV/m] | Margin [dB] | Detect |
|-----------------|--------------|-------------------|----------------|----------------|----------------|-------------|--------|
| 10520 | 49.63 | 4.70 | V | 54.33 | 68.20 | 13.87 | PK |
| 15780 | 48.09 | 3.76 | V | 51.85 | 73.98 | 22.13 | PK |
| 15780 | 33.72 | 3.76 | V | 37.48 | 53.98 | 16.50 | AV |
| 10520 | 49.26 | 4.70 | H | 53.96 | 68.20 | 14.24 | PK |
| 15780 | 48.02 | 3.76 | H | 51.78 | 73.98 | 22.20 | PK |
| 15780 | 33.54 | 3.76 | H | 37.30 | 53.98 | 16.68 | 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 | AN.+CL-AMP G [dB] | ANT. POL [H/V] | Total [dBuV/m] | Limit [dBuV/m] | Margin [dB] | Detect |
|-----------------|--------------|-------------------|----------------|----------------|----------------|-------------|--------|
| 10600 | 49.05 | 4.27 | V | 53.32 | 73.98 | 20.66 | PK |
| 10600 | 35.53 | 4.27 | V | 39.80 | 53.98 | 14.18 | AV |
| 15900 | 47.25 | 4.58 | V | 51.83 | 73.98 | 22.15 | PK |
| 15900 | 33.92 | 4.58 | V | 38.50 | 53.98 | 15.48 | AV |
| 10600 | 49.02 | 4.27 | H | 53.29 | 73.98 | 20.69 | PK |
| 10600 | 35.42 | 4.27 | H | 39.69 | 53.98 | 14.29 | AV |
| 15900 | 47.15 | 4.58 | H | 51.73 | 73.98 | 22.25 | PK |
| 15900 | 33.57 | 4.58 | H | 38.15 | 53.98 | 15.83 | 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 G [dB] | ANT. POL [H/V] | Total [dBuV/m] | Limit [dBuV/m] | Margin [dB] | Detect |
|-----------------|--------------|-------------------|----------------|----------------|----------------|-------------|--------|
| 10640 | 48.93 | 4.40 | V | 53.33 | 73.98 | 20.65 | PK |
| 10640 | 35.67 | 4.40 | V | 40.07 | 53.98 | 13.91 | AV |
| 15960 | 47.64 | 4.03 | V | 51.67 | 73.98 | 22.31 | PK |
| 15960 | 34.28 | 4.03 | V | 38.31 | 53.98 | 15.67 | AV |
| 10640 | 48.90 | 4.40 | H | 53.30 | 73.98 | 20.68 | PK |
| 10640 | 35.46 | 4.40 | H | 39.86 | 53.98 | 14.12 | AV |
| 15960 | 47.54 | 4.03 | H | 51.57 | 73.98 | 22.41 | PK |
| 15960 | 34.10 | 4.03 | H | 38.13 | 53.98 | 15.85 | AV |

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

| Frequency [MHz] | Reading dBuV | AN.+CL-AMP G [dB] | ANT. POL [H/V] | Total [dBuV/m] | Limit [dBuV/m] | Margin [dB] | Detect |
|-----------------|--------------|-------------------|----------------|----------------|----------------|-------------|--------|
| 10520 | 49.39 | 4.70 | V | 54.09 | 68.20 | 14.11 | PK |
| 15780 | 48.04 | 3.76 | V | 51.80 | 73.98 | 22.18 | PK |
| 15780 | 33.29 | 3.76 | V | 37.05 | 53.98 | 16.93 | AV |
| 10520 | 49.56 | 4.70 | H | 54.26 | 68.20 | 13.94 | PK |
| 15780 | 48.11 | 3.76 | H | 51.87 | 73.98 | 22.11 | PK |
| 15780 | 33.58 | 3.76 | H | 37.34 | 53.98 | 16.64 | AV |

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

| Frequency [MHz] | Reading dBuV | AN.+CL-AMP G [dB] | ANT. POL [H/V] | Total [dBuV/m] | Limit [dBuV/m] | Margin [dB] | Detect |
|-----------------|--------------|-------------------|----------------|----------------|----------------|-------------|--------|
| 10600 | 49.11 | 4.27 | V | 53.38 | 73.98 | 20.60 | PK |
| 10600 | 35.41 | 4.27 | V | 39.68 | 53.98 | 14.30 | AV |
| 15900 | 47.17 | 4.58 | V | 51.75 | 73.98 | 22.23 | PK |
| 15900 | 33.58 | 4.58 | V | 38.16 | 53.98 | 15.82 | AV |
| 10600 | 49.23 | 4.27 | H | 53.50 | 73.98 | 20.48 | PK |
| 10600 | 35.64 | 4.27 | H | 39.91 | 53.98 | 14.07 | AV |
| 15900 | 47.26 | 4.58 | H | 51.84 | 73.98 | 22.14 | PK |
| 15900 | 33.89 | 4.58 | H | 38.47 | 53.98 | 15.51 | AV |

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

| Frequency [MHz] | Reading dBuV | AN.+CL-AMP G [dB] | ANT. POL [H/V] | Total [dBuV/m] | Limit [dBuV/m] | Margin [dB] | Detect |
|-----------------|--------------|-------------------|----------------|----------------|----------------|-------------|--------|
| 10640 | 48.62 | 4.40 | V | 53.02 | 73.98 | 20.96 | PK |
| 10640 | 35.46 | 4.40 | V | 39.86 | 53.98 | 14.12 | AV |
| 15960 | 47.39 | 4.03 | V | 51.42 | 73.98 | 22.56 | PK |
| 15960 | 34.38 | 4.03 | V | 38.41 | 53.98 | 15.57 | AV |
| 10640 | 48.81 | 4.40 | H | 53.21 | 73.98 | 20.77 | PK |
| 10640 | 35.81 | 4.40 | H | 40.21 | 53.98 | 13.77 | AV |
| 15960 | 47.57 | 4.03 | H | 51.60 | 73.98 | 22.38 | PK |
| 15960 | 34.59 | 4.03 | H | 38.62 | 53.98 | 15.36 | 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 | AN.+CL-AMP G [dB] | ANT. POL [H/V] | Total [dBuV/m] | Limit [dBuV/m] | Margin [dB] | Detect |
|-----------------|--------------|-------------------|----------------|----------------|----------------|-------------|--------|
| 10520 | 49.50 | 4.70 | V | 54.20 | 68.20 | 14.00 | PK |
| 15780 | 48.17 | 3.76 | V | 51.93 | 73.98 | 22.05 | PK |
| 15780 | 33.43 | 3.76 | V | 37.19 | 53.98 | 16.79 | AV |
| 10520 | 49.52 | 4.70 | H | 54.22 | 68.20 | 13.98 | PK |
| 15780 | 48.20 | 3.76 | H | 51.96 | 73.98 | 22.02 | PK |
| 15780 | 33.49 | 3.76 | H | 37.25 | 53.98 | 16.73 | 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 | AN.+CL-AMP G [dB] | ANT. POL [H/V] | Total [dBuV/m] | Limit [dBuV/m] | Margin [dB] | Detect |
|-----------------|--------------|-------------------|----------------|----------------|----------------|-------------|--------|
| 10600 | 49.05 | 4.27 | V | 53.32 | 73.98 | 20.66 | PK |
| 10600 | 35.45 | 4.27 | V | 39.72 | 53.98 | 14.26 | AV |
| 15900 | 47.21 | 4.58 | V | 51.79 | 73.98 | 22.19 | PK |
| 15900 | 33.62 | 4.58 | V | 38.20 | 53.98 | 15.78 | AV |
| 10600 | 49.16 | 4.27 | H | 53.43 | 73.98 | 20.55 | PK |
| 10600 | 35.48 | 4.27 | H | 39.75 | 53.98 | 14.23 | AV |
| 15900 | 47.31 | 4.58 | H | 51.89 | 73.98 | 22.09 | PK |
| 15900 | 33.73 | 4.58 | H | 38.31 | 53.98 | 15.67 | 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 | AN.+CL-AMP G [dB] | ANT. POL [H/V] | Total [dBuV/m] | Limit [dBuV/m] | Margin [dB] | Detect |
|-----------------|--------------|-------------------|----------------|----------------|----------------|-------------|--------|
| 10640 | 48.81 | 4.40 | V | 53.21 | 73.98 | 20.77 | PK |
| 10640 | 35.46 | 4.40 | V | 39.86 | 53.98 | 14.12 | AV |
| 15960 | 47.57 | 4.03 | V | 51.60 | 73.98 | 22.38 | PK |
| 15960 | 34.59 | 4.03 | V | 38.62 | 53.98 | 15.36 | AV |
| 10640 | 48.89 | 4.40 | H | 53.29 | 73.98 | 20.69 | PK |
| 10640 | 35.64 | 4.40 | H | 40.04 | 53.98 | 13.94 | AV |
| 15960 | 47.62 | 4.03 | H | 51.65 | 73.98 | 22.33 | PK |
| 15960 | 34.52 | 4.03 | H | 38.55 | 53.98 | 15.43 | 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 | AN.+CL-AMP G [dB] | ANT. POL [H/V] | Total [dBuV/m] | Limit [dBuV/m] | Margin [dB] | Detect |
|-----------------|--------------|-------------------|----------------|----------------|----------------|-------------|--------|
| 10540 | 48.37 | 5.03 | V | 53.40 | 68.20 | 14.80 | PK |
| 15810 | 47.39 | 4.69 | V | 52.08 | 73.98 | 21.90 | PK |
| 15810 | 34.11 | 4.69 | V | 38.80 | 53.98 | 15.18 | AV |
| 10540 | 48.50 | 5.03 | H | 53.53 | 68.20 | 14.67 | PK |
| 15810 | 47.45 | 4.69 | H | 52.14 | 73.98 | 21.84 | PK |
| 15810 | 34.24 | 4.69 | H | 38.93 | 53.98 | 15.05 | 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 | AN.+CL-AMP G [dB] | ANT. POL [H/V] | Total [dBuV/m] | Limit [dBuV/m] | Margin [dB] | Detect |
|-----------------|--------------|-------------------|----------------|----------------|----------------|-------------|--------|
| 10620 | 49.05 | 4.92 | V | 53.97 | 73.98 | 20.01 | PK |
| 10620 | 35.76 | 4.92 | V | 40.68 | 53.98 | 13.30 | AV |
| 15930 | 47.23 | 4.50 | V | 51.73 | 73.98 | 22.25 | PK |
| 15930 | 33.99 | 4.50 | V | 38.49 | 53.98 | 15.49 | AV |
| 10620 | 49.19 | 4.92 | H | 54.11 | 73.98 | 19.87 | PK |
| 10620 | 35.93 | 4.92 | H | 40.85 | 53.98 | 13.13 | AV |
| 15930 | 47.35 | 4.50 | H | 51.85 | 73.98 | 22.13 | PK |
| 15930 | 34.06 | 4.50 | H | 38.56 | 53.98 | 15.42 | AV |

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

| Frequency [MHz] | Reading dBuV | AN.+CL-AMP G [dB] | ANT. POL [H/V] | Total [dBuV/m] | Limit [dBuV/m] | Margin [dB] | Detect |
|-----------------|--------------|-------------------|----------------|----------------|----------------|-------------|--------|
| 10540 | 48.29 | 5.03 | V | 53.32 | 68.20 | 14.88 | PK |
| 15810 | 47.33 | 4.69 | V | 52.02 | 73.98 | 21.96 | PK |
| 15810 | 34.19 | 4.69 | V | 38.88 | 53.98 | 15.10 | AV |
| 10540 | 48.36 | 5.03 | H | 53.39 | 68.20 | 14.81 | PK |
| 15810 | 47.39 | 4.69 | H | 52.08 | 73.98 | 21.90 | PK |
| 15810 | 34.22 | 4.69 | H | 38.91 | 53.98 | 15.07 | AV |

Band : UNII 2A

Operation Mode: 802.11 ac(VHT40)

Transfer MCS Index: MCS0

Operating Frequency 5310 MHz

Channel No. 62 Ch

| Frequency [MHz] | Reading dBuV | AN.+CL-AMP G [dB] | ANT. POL [H/V] | Total [dBuV/m] | Limit [dBuV/m] | Margin [dB] | Detect |
|-----------------|--------------|-------------------|----------------|----------------|----------------|-------------|--------|
| 10620 | 49.15 | 4.92 | V | 54.07 | 73.98 | 19.91 | PK |
| 10620 | 35.75 | 4.92 | V | 40.67 | 53.98 | 13.31 | AV |
| 15930 | 47.22 | 4.50 | V | 51.72 | 73.98 | 22.26 | PK |
| 15930 | 34.05 | 4.50 | V | 38.55 | 53.98 | 15.43 | AV |
| 10620 | 49.30 | 4.92 | H | 54.22 | 73.98 | 19.76 | PK |
| 10620 | 35.79 | 4.92 | H | 40.71 | 53.98 | 13.27 | AV |
| 15930 | 47.26 | 4.50 | H | 51.76 | 73.98 | 22.22 | PK |
| 15930 | 34.18 | 4.50 | H | 38.68 | 53.98 | 15.30 | AV |

Band : UNII 2A

Operation Mode: 802.11 ac(VHT80)

Transfer MCS Index: MCS0

Operating Frequency 5290 MHz

Channel No. 58 Ch

| Frequency [MHz] | Reading dBuV | AN.+CL-AMP G [dB] | ANT. POL [H/V] | Total [dBuV/m] | Limit [dBuV/m] | Margin [dB] | Detect |
|-----------------|--------------|-------------------|----------------|----------------|----------------|-------------|--------|
| 10580 | 49.22 | 4.02 | V | 53.24 | 68.20 | 14.96 | PK |
| 15870 | 47.31 | 5.51 | V | 52.82 | 73.98 | 21.16 | PK |
| 15870 | 35.97 | 5.51 | V | 41.48 | 53.98 | 12.50 | AV |
| 10580 | 49.37 | 4.02 | H | 53.39 | 68.20 | 14.81 | PK |
| 15870 | 47.38 | 5.51 | H | 52.89 | 73.98 | 21.09 | PK |
| 15870 | 36.05 | 5.51 | H | 41.56 | 53.98 | 12.42 | 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 G [dB] | ANT. POL [H/V] | Total [dBuV/m] | Limit [dBuV/m] | Margin [dB] | Detect |
|-----------------|--------------|-------------------|----------------|----------------|----------------|-------------|--------|
| 11000 | 48.21 | 4.29 | V | 52.50 | 73.98 | 21.48 | PK |
| 11000 | 35.01 | 4.29 | V | 39.30 | 53.98 | 14.68 | AV |
| 16500 | 47.14 | 6.22 | V | 53.36 | 68.20 | 14.84 | PK |
| 11000 | 48.33 | 4.29 | H | 52.62 | 73.98 | 21.36 | PK |
| 11000 | 35.02 | 4.29 | H | 39.31 | 53.98 | 14.67 | AV |
| 16500 | 47.16 | 6.22 | H | 53.38 | 68.20 | 14.82 | PK |

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

| Frequency [MHz] | Reading dBuV | AN.+CL-AMP G [dB] | ANT. POL [H/V] | Total [dBuV/m] | Limit [dBuV/m] | Margin [dB] | Detect |
|-----------------|--------------|-------------------|----------------|----------------|----------------|-------------|--------|
| 11160 | 49.54 | 4.28 | V | 53.82 | 73.98 | 20.16 | PK |
| 11160 | 35.09 | 4.28 | V | 39.37 | 53.98 | 14.61 | AV |
| 16740 | 45.63 | 7.73 | V | 53.36 | 68.20 | 14.84 | PK |
| 11160 | 49.82 | 4.28 | H | 54.10 | 73.98 | 19.88 | PK |
| 11160 | 35.13 | 4.28 | H | 39.41 | 53.98 | 14.57 | AV |
| 16740 | 45.99 | 7.73 | H | 53.72 | 68.20 | 14.48 | 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 G [dB] | ANT. POL [H/V] | Total [dBuV/m] | Limit [dBuV/m] | Margin [dB] | Detect |
|-----------------|--------------|-------------------|----------------|----------------|----------------|-------------|--------|
| 11440 | 48.95 | 4.38 | V | 53.33 | 73.98 | 20.65 | PK |
| 11440 | 34.37 | 4.38 | V | 38.75 | 53.98 | 15.23 | AV |
| 17160 | 51.26 | 8.77 | V | 60.03 | 68.20 | 8.17 | PK |
| 11440 | 49.03 | 4.38 | H | 53.41 | 73.98 | 20.57 | PK |
| 11440 | 34.59 | 4.38 | H | 38.97 | 53.98 | 15.01 | AV |
| 17160 | 51.41 | 8.77 | H | 60.18 | 68.20 | 8.02 | PK |

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

| Frequency [MHz] | Reading dBuV | AN.+CL-AMP G [dB] | ANT. POL [H/V] | Total [dBuV/m] | Limit [dBuV/m] | Margin [dB] | Detect |
|-----------------|--------------|-------------------|----------------|----------------|----------------|-------------|--------|
| 11000 | 47.96 | 4.29 | V | 52.25 | 73.98 | 21.73 | PK |
| 11000 | 35.16 | 4.29 | V | 39.45 | 53.98 | 14.53 | AV |
| 16500 | 47.15 | 6.22 | V | 53.37 | 68.20 | 14.83 | PK |
| 11000 | 48.39 | 4.29 | H | 52.68 | 73.98 | 21.30 | PK |
| 11000 | 35.22 | 4.29 | H | 39.51 | 53.98 | 14.47 | AV |
| 16500 | 47.23 | 6.22 | H | 53.45 | 68.20 | 14.75 | PK |

Band : UNII 2C
Operation Mode: 802.11 n(HT20)
Transfer MCS Index: MCS0
Operating Frequency 5580 MHz
Channel No. 116 Ch

| Frequency [MHz] | Reading dBuV | AN.+CL-AMP G [dB] | ANT. POL [H/V] | Total [dBuV/m] | Limit [dBuV/m] | Margin [dB] | Detect |
|-----------------|--------------|-------------------|----------------|----------------|----------------|-------------|--------|
| 11160 | 49.75 | 4.28 | V | 54.03 | 73.98 | 19.95 | PK |
| 11160 | 34.59 | 4.28 | V | 38.87 | 53.98 | 15.11 | AV |
| 16740 | 45.34 | 7.73 | V | 53.07 | 68.20 | 15.13 | PK |
| 11160 | 49.76 | 4.28 | H | 54.04 | 73.98 | 19.94 | PK |
| 11160 | 34.65 | 4.28 | H | 38.93 | 53.98 | 15.05 | AV |
| 16740 | 45.81 | 7.73 | H | 53.54 | 68.20 | 14.66 | PK |

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

| Frequency [MHz] | Reading dBuV | AN.+CL-AMP G [dB] | ANT. POL [H/V] | Total [dBuV/m] | Limit [dBuV/m] | Margin [dB] | Detect |
|-----------------|--------------|-------------------|----------------|----------------|----------------|-------------|--------|
| 11440 | 49.05 | 4.38 | V | 53.43 | 73.98 | 20.55 | PK |
| 11440 | 34.36 | 4.38 | V | 38.74 | 53.98 | 15.24 | AV |
| 17160 | 51.27 | 8.77 | V | 60.04 | 68.20 | 8.16 | PK |
| 11440 | 49.11 | 4.38 | H | 53.49 | 73.98 | 20.49 | PK |
| 11440 | 34.53 | 4.38 | H | 38.91 | 53.98 | 15.07 | AV |
| 17160 | 51.39 | 8.77 | H | 60.16 | 68.20 | 8.04 | PK |

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 | AN.+CL-AMP G [dB] | ANT. POL [H/V] | Total [dBuV/m] | Limit [dBuV/m] | Margin [dB] | Detect |
|-----------------|--------------|-------------------|----------------|----------------|----------------|-------------|--------|
| 11000 | 48.49 | 4.29 | V | 52.78 | 73.98 | 21.20 | PK |
| 11000 | 35.05 | 4.29 | V | 39.34 | 53.98 | 14.64 | AV |
| 16500 | 47.18 | 6.22 | V | 53.40 | 68.20 | 14.80 | PK |
| 11000 | 48.55 | 4.29 | H | 52.84 | 73.98 | 21.14 | PK |
| 11000 | 35.19 | 4.29 | H | 39.48 | 53.98 | 14.50 | AV |
| 16500 | 47.26 | 6.22 | H | 53.48 | 68.20 | 14.72 | PK |

Band : UNII 2C
Operation Mode: 802.11 ac(VHT20)
Transfer MCS Index: MCS0
Operating Frequency 5580 MHz
Channel No. 116 Ch

| Frequency [MHz] | Reading dBuV | AN.+CL-AMP G [dB] | ANT. POL [H/V] | Total [dBuV/m] | Limit [dBuV/m] | Margin [dB] | Detect |
|-----------------|--------------|-------------------|----------------|----------------|----------------|-------------|--------|
| 11160 | 49.79 | 4.28 | V | 54.07 | 73.98 | 19.91 | PK |
| 11160 | 34.81 | 4.28 | V | 39.09 | 53.98 | 14.89 | AV |
| 16740 | 45.56 | 7.73 | V | 53.29 | 68.20 | 14.91 | PK |
| 11160 | 49.82 | 4.28 | H | 54.10 | 73.98 | 19.88 | PK |
| 11160 | 34.86 | 4.28 | H | 39.14 | 53.98 | 14.84 | AV |
| 16740 | 45.69 | 7.73 | H | 53.42 | 68.20 | 14.78 | PK |

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

| Frequency [MHz] | Reading dBuV | AN.+CL-AMP G [dB] | ANT. POL [H/V] | Total [dBuV/m] | Limit [dBuV/m] | Margin [dB] | Detect |
|-----------------|--------------|-------------------|----------------|----------------|----------------|-------------|--------|
| 11440 | 49.47 | 4.38 | V | 53.85 | 73.98 | 20.13 | PK |
| 11440 | 34.55 | 4.38 | V | 38.93 | 53.98 | 15.05 | AV |
| 17160 | 52.99 | 8.77 | V | 61.76 | 68.20 | 6.44 | PK |
| 11440 | 49.50 | 4.38 | H | 53.88 | 73.98 | 20.10 | PK |
| 11440 | 34.61 | 4.38 | H | 38.99 | 53.98 | 14.99 | AV |
| 17160 | 53.66 | 8.77 | H | 62.43 | 68.20 | 5.77 | PK |

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 | AN.+CL-AMP G [dB] | ANT. POL [H/V] | Total [dBuV/m] | Limit [dBuV/m] | Margin [dB] | Detect |
|-----------------|--------------|-------------------|----------------|----------------|----------------|-------------|--------|
| 11020 | 48.55 | 4.58 | V | 53.13 | 73.98 | 20.85 | PK |
| 11020 | 35.05 | 4.58 | V | 39.63 | 53.98 | 14.35 | AV |
| 16530 | 46.85 | 6.22 | V | 53.07 | 68.20 | 15.13 | PK |
| 11020 | 48.67 | 4.58 | H | 53.25 | 73.98 | 20.73 | PK |
| 11020 | 35.19 | 4.58 | H | 39.77 | 53.98 | 14.21 | AV |
| 16530 | 46.93 | 6.22 | H | 53.15 | 68.20 | 15.05 | PK |

Band : UNII 2C
Operation Mode: 802.11 n(HT40)
Transfer MCS Index: MCS0
Operating Frequency 5550 MHz
Channel No. 110 Ch

| Frequency [MHz] | Reading dBuV | AN.+CL-AMP G [dB] | ANT. POL [H/V] | Total [dBuV/m] | Limit [dBuV/m] | Margin [dB] | Detect |
|-----------------|--------------|-------------------|----------------|----------------|----------------|-------------|--------|
| 11100 | 48.22 | 5.04 | V | 53.26 | 73.98 | 20.72 | PK |
| 11100 | 34.96 | 5.04 | V | 40.00 | 53.98 | 13.98 | AV |
| 16650 | 47.54 | 7.21 | V | 54.75 | 68.20 | 13.45 | PK |
| 11100 | 48.34 | 5.04 | H | 53.38 | 73.98 | 20.60 | PK |
| 11100 | 35.03 | 5.04 | H | 40.07 | 53.98 | 13.91 | AV |
| 16650 | 47.56 | 7.21 | H | 54.77 | 68.20 | 13.43 | PK |

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

| Frequency [MHz] | Reading dBuV | AN.+CL-AMP G [dB] | ANT. POL [H/V] | Total [dBuV/m] | Limit [dBuV/m] | Margin [dB] | Detect |
|-----------------|--------------|-------------------|----------------|----------------|----------------|-------------|--------|
| 11420 | 48.05 | 4.11 | V | 52.16 | 73.98 | 21.82 | PK |
| 11420 | 35.64 | 4.11 | V | 39.75 | 53.98 | 14.23 | AV |
| 17130 | 46.56 | 7.70 | V | 54.26 | 68.20 | 13.94 | PK |
| 11420 | 48.17 | 4.11 | H | 52.28 | 73.98 | 21.70 | PK |
| 11420 | 35.75 | 4.11 | H | 39.86 | 53.98 | 14.12 | AV |
| 17130 | 46.64 | 7.70 | H | 54.34 | 68.20 | 13.86 | PK |

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

| Frequency [MHz] | Reading dBuV | AN.+CL-AMP G [dB] | ANT. POL [H/V] | Total [dBuV/m] | Limit [dBuV/m] | Margin [dB] | Detect |
|-----------------|--------------|-------------------|----------------|----------------|----------------|-------------|--------|
| 11020 | 48.45 | 4.58 | V | 53.03 | 73.98 | 20.95 | PK |
| 11020 | 35.16 | 4.58 | V | 39.74 | 53.98 | 14.24 | AV |
| 16530 | 46.86 | 6.22 | V | 53.08 | 68.20 | 15.12 | PK |
| 11020 | 48.55 | 4.58 | H | 53.13 | 73.98 | 20.85 | PK |
| 11020 | 35.26 | 4.58 | H | 39.84 | 53.98 | 14.14 | AV |
| 16530 | 46.99 | 6.22 | H | 53.21 | 68.20 | 14.99 | PK |

Band : UNII 2C
Operation Mode: 802.11 ac(VHT40)
Transfer MCS Index: MCS0
Operating Frequency 5550 MHz
Channel No. 110 Ch

| Frequency [MHz] | Reading dBuV | AN.+CL-AMP G [dB] | ANT. POL [H/V] | Total [dBuV/m] | Limit [dBuV/m] | Margin [dB] | Detect |
|-----------------|--------------|-------------------|----------------|----------------|----------------|-------------|--------|
| 11100 | 48.24 | 5.04 | V | 53.28 | 73.98 | 20.70 | PK |
| 11100 | 35.05 | 5.04 | V | 40.09 | 53.98 | 13.89 | AV |
| 16650 | 47.58 | 7.21 | V | 54.79 | 68.20 | 13.41 | PK |
| 11100 | 48.26 | 5.04 | H | 53.30 | 73.98 | 20.68 | PK |
| 11100 | 35.14 | 5.04 | H | 40.18 | 53.98 | 13.80 | AV |
| 16650 | 47.61 | 7.21 | H | 54.82 | 68.20 | 13.38 | PK |

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

| Frequency [MHz] | Reading dBuV | AN.+CL-AMP G [dB] | ANT. POL [H/V] | Total [dBuV/m] | Limit [dBuV/m] | Margin [dB] | Detect |
|-----------------|--------------|-------------------|----------------|----------------|----------------|-------------|--------|
| 11420 | 48.16 | 4.11 | V | 52.27 | 73.98 | 21.71 | PK |
| 11420 | 35.54 | 4.11 | V | 39.65 | 53.98 | 14.33 | AV |
| 17130 | 46.75 | 7.70 | V | 54.45 | 68.20 | 13.75 | PK |
| 11420 | 48.28 | 4.11 | H | 52.39 | 73.98 | 21.59 | PK |
| 11420 | 35.65 | 4.11 | H | 39.76 | 53.98 | 14.22 | AV |
| 17130 | 46.81 | 7.70 | H | 54.51 | 68.20 | 13.69 | PK |

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 | AN.+CL-AMP G [dB] | ANT. POL [H/V] | Total [dBuV/m] | Limit [dBuV/m] | Margin [dB] | Detect |
|-----------------|--------------|-------------------|----------------|----------------|----------------|-------------|--------|
| 11060 | 47.56 | 4.97 | V | 52.53 | 73.98 | 21.45 | PK |
| 11060 | 35.94 | 4.97 | V | 40.91 | 53.98 | 13.07 | AV |
| 16590 | 47.69 | 6.79 | V | 54.48 | 68.20 | 13.72 | PK |
| 11060 | 47.81 | 4.97 | H | 52.78 | 73.98 | 21.20 | PK |
| 11060 | 36.00 | 4.97 | H | 40.97 | 53.98 | 13.01 | AV |
| 16590 | 47.90 | 6.79 | H | 54.69 | 68.20 | 13.51 | PK |

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

| Frequency [MHz] | Reading dBuV | AN.+CL-AMP G [dB] | ANT. POL [H/V] | Total [dBuV/m] | Limit [dBuV/m] | Margin [dB] | Detect |
|--------------------|-----------------|----------------------|-------------------|-------------------|-------------------|----------------|--------|
| 11380 | 48.52 | 4.20 | V | 52.72 | 73.98 | 21.26 | PK |
| 11380 | 34.68 | 4.20 | V | 38.88 | 53.98 | 15.10 | AV |
| 17070 | 46.86 | 8.73 | V | 55.59 | 68.20 | 12.61 | PK |
| 11380 | 48.61 | 4.20 | H | 52.81 | 73.98 | 21.17 | PK |
| 11380 | 34.77 | 4.20 | H | 38.97 | 53.98 | 15.01 | AV |
| 17070 | 47.41 | 8.73 | H | 56.14 | 68.20 | 12.06 | PK |

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

| Frequency [MHz] | Reading dBuV | AN.+CL-AMP G [dB] | ANT. POL [H/V] | Total [dBuV/m] | Limit [dBuV/m] | Margin [dB] | Detect |
|-----------------|--------------|-------------------|----------------|----------------|----------------|-------------|--------|
| 11490 | 48.34 | 4.19 | V | 52.53 | 73.98 | 21.45 | PK |
| 11490 | 34.71 | 4.19 | V | 38.90 | 53.98 | 15.08 | AV |
| 17235 | 50.26 | 9.09 | V | 59.35 | 68.20 | 8.85 | PK |
| 11490 | 48.55 | 4.19 | H | 52.74 | 73.98 | 21.24 | PK |
| 11490 | 34.75 | 4.19 | H | 38.94 | 53.98 | 15.04 | AV |
| 17235 | 50.48 | 9.09 | H | 59.57 | 68.20 | 8.63 | PK |

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

| Frequency [MHz] | Reading dBuV | AN.+CL-AMP G [dB] | ANT. POL [H/V] | Total [dBuV/m] | Limit [dBuV/m] | Margin [dB] | Detect |
|-----------------|--------------|-------------------|----------------|----------------|----------------|-------------|--------|
| 11570 | 47.68 | 4.83 | V | 52.51 | 73.98 | 21.47 | PK |
| 11570 | 33.76 | 4.83 | V | 38.59 | 53.98 | 15.39 | AV |
| 17355 | 53.07 | 9.81 | V | 62.88 | 68.20 | 5.32 | PK |
| 11570 | 47.98 | 4.83 | H | 52.81 | 73.98 | 21.17 | PK |
| 11570 | 33.97 | 4.83 | H | 38.80 | 53.98 | 15.18 | AV |
| 17355 | 53.59 | 9.81 | H | 63.40 | 68.20 | 4.80 | PK |

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

| Frequency [MHz] | Reading dBuV | AN.+CL-AMP G [dB] | ANT. POL [H/V] | Total [dBuV/m] | Limit [dBuV/m] | Margin [dB] | Detect |
|-----------------|--------------|-------------------|----------------|----------------|----------------|-------------|--------|
| 11650 | 48.50 | 3.70 | V | 52.20 | 73.98 | 21.78 | PK |
| 11650 | 34.21 | 3.70 | V | 37.91 | 53.98 | 16.07 | AV |
| 17475 | 50.32 | 10.25 | V | 60.57 | 68.20 | 7.63 | PK |
| 11650 | 48.63 | 3.70 | H | 52.33 | 73.98 | 21.65 | PK |
| 11650 | 34.34 | 3.70 | H | 38.04 | 53.98 | 15.94 | AV |
| 17475 | 50.70 | 10.25 | H | 60.95 | 68.20 | 7.25 | PK |

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

| Frequency [MHz] | Reading dBuV | AN.+CL-AMP G [dB] | ANT. POL [H/V] | Total [dBuV/m] | Limit [dBuV/m] | Margin [dB] | Detect |
|-----------------|--------------|-------------------|----------------|----------------|----------------|-------------|--------|
| 11490 | 48.89 | 4.19 | V | 53.08 | 73.98 | 20.90 | PK |
| 11490 | 34.86 | 4.19 | V | 39.05 | 53.98 | 14.93 | AV |
| 17235 | 52.21 | 9.09 | V | 61.30 | 68.20 | 6.90 | PK |
| 11490 | 49.25 | 4.19 | H | 53.44 | 73.98 | 20.54 | PK |
| 11490 | 34.97 | 4.19 | H | 39.16 | 53.98 | 14.82 | AV |
| 17235 | 52.46 | 9.09 | H | 61.55 | 68.20 | 6.65 | PK |

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

| Frequency [MHz] | Reading dBuV | AN.+CL-AMP G [dB] | ANT. POL [H/V] | Total [dBuV/m] | Limit [dBuV/m] | Margin [dB] | Detect |
|-----------------|--------------|-------------------|----------------|----------------|----------------|-------------|--------|
| 11570 | 47.62 | 4.83 | V | 52.45 | 73.98 | 21.53 | PK |
| 11570 | 33.84 | 4.83 | V | 38.67 | 53.98 | 15.31 | AV |
| 17355 | 54.17 | 9.81 | V | 63.98 | 68.20 | 4.22 | PK |
| 11570 | 47.72 | 4.83 | H | 52.55 | 73.98 | 21.43 | PK |
| 11570 | 33.90 | 4.83 | H | 38.73 | 53.98 | 15.25 | AV |
| 17355 | 54.43 | 9.81 | H | 64.24 | 68.20 | 3.96 | PK |

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

| Frequency [MHz] | Reading dBuV | AN.+CL-AMP G [dB] | ANT. POL [H/V] | Total [dBuV/m] | Limit [dBuV/m] | Margin [dB] | Detect |
|-----------------|--------------|-------------------|----------------|----------------|----------------|-------------|--------|
| 11650 | 47.57 | 3.70 | V | 51.27 | 73.98 | 22.71 | PK |
| 11650 | 34.19 | 3.70 | V | 37.89 | 53.98 | 16.09 | AV |
| 17475 | 51.96 | 10.25 | V | 62.21 | 68.20 | 5.99 | PK |
| 11650 | 47.98 | 3.70 | H | 51.68 | 73.98 | 22.30 | PK |
| 11650 | 34.31 | 3.70 | H | 38.01 | 53.98 | 15.97 | AV |
| 17475 | 52.11 | 10.25 | H | 62.36 | 68.20 | 5.84 | PK |

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

| Frequency [MHz] | Reading dBuV | AN.+CL-AMP G [dB] | ANT. POL [H/V] | Total [dBuV/m] | Limit [dBuV/m] | Margin [dB] | Detect |
|-----------------|--------------|-------------------|----------------|----------------|----------------|-------------|--------|
| 11490 | 49.04 | 4.19 | V | 53.23 | 73.98 | 20.75 | PK |
| 11490 | 34.58 | 4.19 | V | 38.77 | 53.98 | 15.21 | AV |
| 17235 | 52.10 | 9.09 | V | 61.19 | 68.20 | 7.01 | PK |
| 11490 | 49.14 | 4.19 | H | 53.33 | 73.98 | 20.65 | PK |
| 11490 | 34.72 | 4.19 | H | 38.91 | 53.98 | 15.07 | AV |
| 17235 | 52.60 | 9.09 | H | 61.69 | 68.20 | 6.51 | PK |

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

| Frequency [MHz] | Reading dBuV | AN.+CL-AMP G [dB] | ANT. POL [H/V] | Total [dBuV/m] | Limit [dBuV/m] | Margin [dB] | Detect |
|-----------------|--------------|-------------------|----------------|----------------|----------------|-------------|--------|
| 11570 | 48.29 | 4.83 | V | 53.12 | 73.98 | 20.86 | PK |
| 11570 | 33.85 | 4.83 | V | 38.68 | 53.98 | 15.30 | AV |
| 17355 | 53.87 | 9.81 | V | 63.68 | 68.20 | 4.52 | PK |
| 11570 | 48.33 | 4.83 | H | 53.16 | 73.98 | 20.82 | PK |
| 11570 | 33.94 | 4.83 | H | 38.77 | 53.98 | 15.21 | AV |
| 17355 | 54.17 | 9.81 | H | 63.98 | 68.20 | 4.22 | PK |

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

| Frequency [MHz] | Reading dBuV | AN.+CL-AMP G [dB] | ANT. POL [H/V] | Total [dBuV/m] | Limit [dBuV/m] | Margin [dB] | Detect |
|-----------------|--------------|-------------------|----------------|----------------|----------------|-------------|--------|
| 11650 | 47.86 | 3.70 | V | 51.56 | 73.98 | 22.42 | PK |
| 11650 | 34.38 | 3.70 | V | 38.08 | 53.98 | 15.90 | AV |
| 17475 | 52.04 | 10.25 | V | 62.29 | 68.20 | 5.91 | PK |
| 11650 | 47.95 | 3.70 | H | 51.65 | 73.98 | 22.33 | PK |
| 11650 | 34.50 | 3.70 | H | 38.20 | 53.98 | 15.78 | AV |
| 17475 | 52.33 | 10.25 | H | 62.58 | 68.20 | 5.62 | PK |

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

| Frequency [MHz] | Reading dBuV | AN.+CL-AMP G [dB] | ANT. POL [H/V] | Total [dBuV/m] | Limit [dBuV/m] | Margin [dB] | Detect |
|-----------------|--------------|-------------------|----------------|----------------|----------------|-------------|--------|
| 11510 | 48.71 | 4.20 | V | 52.91 | 73.98 | 21.07 | PK |
| 11510 | 35.48 | 4.20 | V | 39.68 | 53.98 | 14.30 | AV |
| 17265 | 46.76 | 9.64 | V | 56.40 | 68.20 | 11.80 | PK |
| 11510 | 48.76 | 4.20 | H | 52.96 | 73.98 | 21.02 | PK |
| 11510 | 35.55 | 4.20 | H | 39.75 | 53.98 | 14.23 | AV |
| 17265 | 46.89 | 9.64 | H | 56.53 | 68.20 | 11.67 | 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 | AN.+CL-AMP G [dB] | ANT. POL [H/V] | Total [dBuV/m] | Limit [dBuV/m] | Margin [dB] | Detect |
|-----------------|--------------|-------------------|----------------|----------------|----------------|-------------|--------|
| 11590 | 47.29 | 4.91 | V | 52.20 | 73.98 | 21.78 | PK |
| 11590 | 34.87 | 4.91 | V | 39.78 | 53.98 | 14.20 | AV |
| 17385 | 47.47 | 10.20 | V | 57.67 | 68.20 | 10.53 | PK |
| 11590 | 47.34 | 4.91 | H | 52.25 | 73.98 | 21.73 | PK |
| 11590 | 34.98 | 4.91 | H | 39.89 | 53.98 | 14.09 | AV |
| 17385 | 47.99 | 10.20 | H | 58.19 | 68.20 | 10.01 | 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 | AN.+CL-AMP G [dB] | ANT. POL [H/V] | Total [dBuV/m] | Limit [dBuV/m] | Margin [dB] | Detect |
|-----------------|--------------|-------------------|----------------|----------------|----------------|-------------|--------|
| 11510 | 48.55 | 4.20 | V | 52.75 | 73.98 | 21.23 | PK |
| 11510 | 35.45 | 4.20 | V | 39.65 | 53.98 | 14.33 | AV |
| 17265 | 46.61 | 9.64 | V | 56.25 | 68.20 | 11.95 | PK |
| 11510 | 48.62 | 4.20 | H | 52.82 | 73.98 | 21.16 | PK |
| 11510 | 35.48 | 4.20 | H | 39.68 | 53.98 | 14.30 | AV |
| 17265 | 46.76 | 9.64 | H | 56.40 | 68.20 | 11.80 | 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 | AN.+CL-AMP G [dB] | ANT. POL [H/V] | Total [dBuV/m] | Limit [dBuV/m] | Margin [dB] | Detect |
|-----------------|--------------|-------------------|----------------|----------------|----------------|-------------|--------|
| 11590 | 47.46 | 4.91 | V | 52.37 | 73.98 | 21.61 | PK |
| 11590 | 34.96 | 4.91 | V | 39.87 | 53.98 | 14.11 | AV |
| 17385 | 47.69 | 10.20 | V | 57.89 | 68.20 | 10.31 | PK |
| 11590 | 47.52 | 4.91 | H | 52.43 | 73.98 | 21.55 | PK |
| 11590 | 35.02 | 4.91 | H | 39.93 | 53.98 | 14.05 | AV |
| 17385 | 47.78 | 10.20 | H | 57.98 | 68.20 | 10.22 | PK |

Band : UNII 3

Operation Mode: 802.11 ac(VHT80)

Transfer MCS Index: MCS0

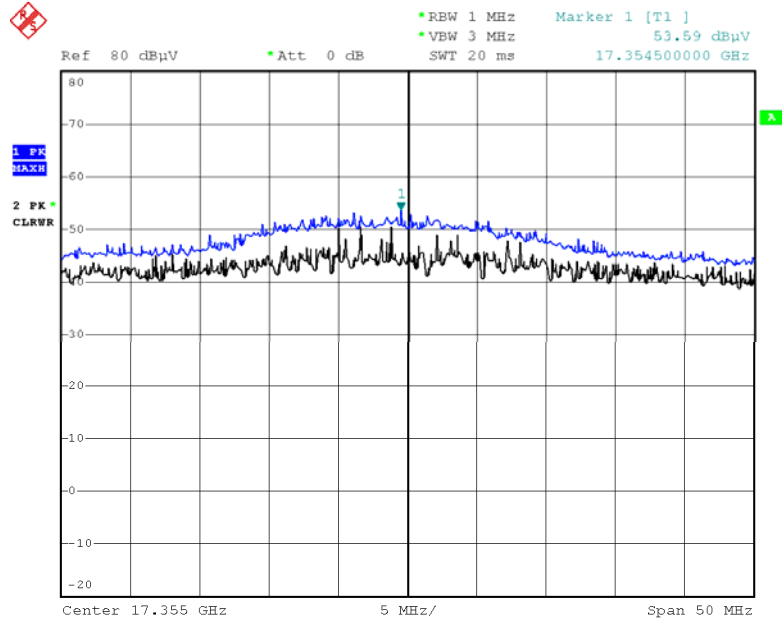
Operating Frequency 5775 MHz

Channel No. 155 Ch

| Frequency [MHz] | Reading dBuV | AN.+CL-AMP G [dB] | ANT. POL [H/V] | Total [dBuV/m] | Limit [dBuV/m] | Margin [dB] | Detect |
|-----------------|--------------|-------------------|----------------|----------------|----------------|-------------|--------|
| 11550 | 47.64 | 4.50 | V | 52.14 | 73.98 | 21.84 | PK |
| 11550 | 36.51 | 4.50 | V | 41.01 | 53.98 | 12.97 | AV |
| 17325 | 46.64 | 10.22 | V | 56.86 | 68.20 | 11.34 | PK |
| 11550 | 47.95 | 3.32 | H | 51.27 | 73.98 | 22.71 | PK |
| 11550 | 36.56 | 3.32 | H | 39.88 | 53.98 | 14.10 | AV |
| 17325 | 46.76 | 10.22 | H | 56.98 | 68.20 | 11.22 | PK |

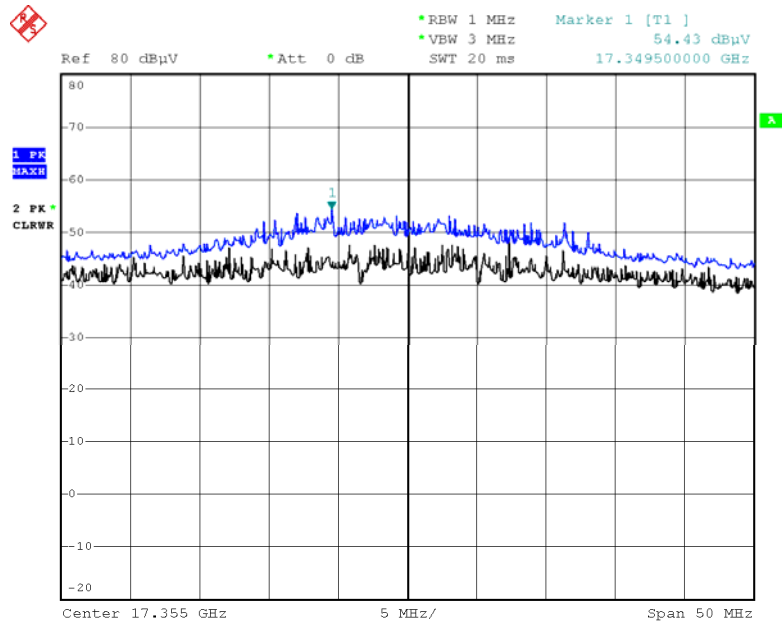
Test Plots

Peak Reading (802.11a, Ch.165 3rd Harmonic, X-H)



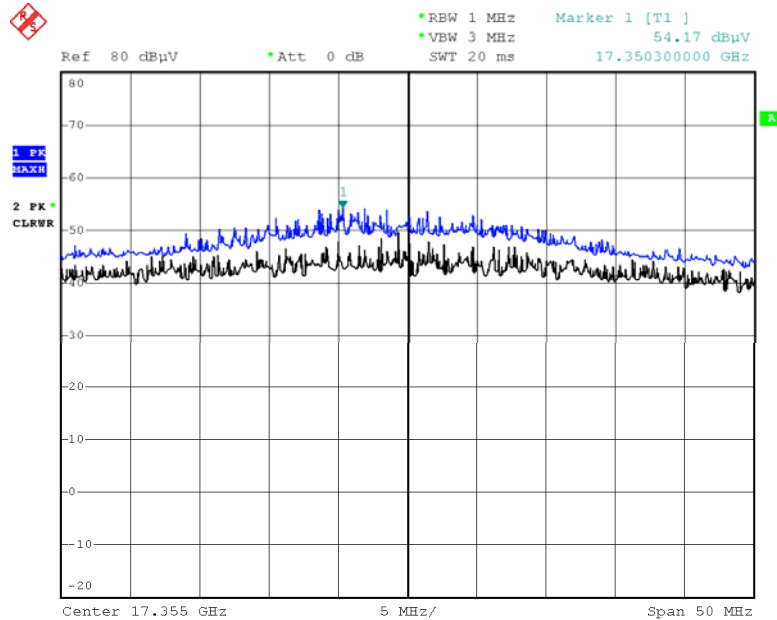
Date: 13.AUG.2019 10:44:03

Peak Reading (802.11n, Ch.165 3rd Harmonic, X-H)



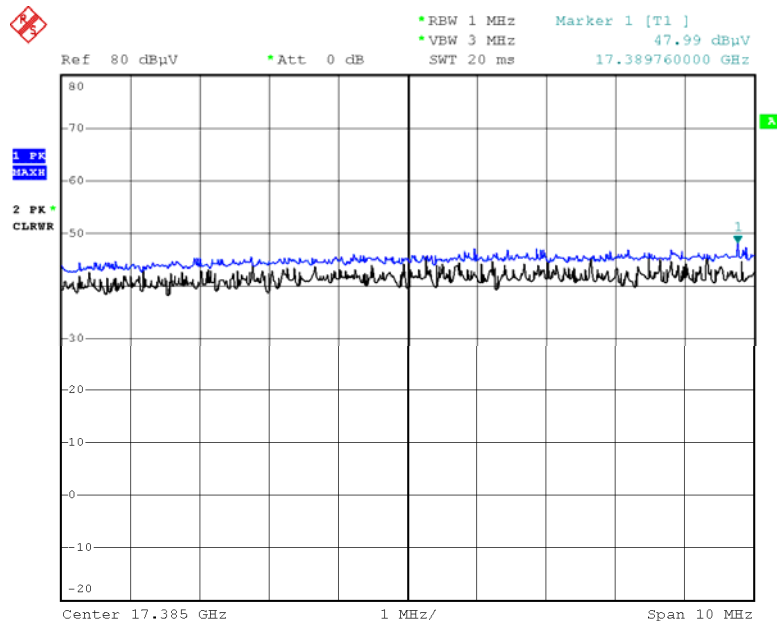
Date: 13.AUG.2019 10:45:17

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



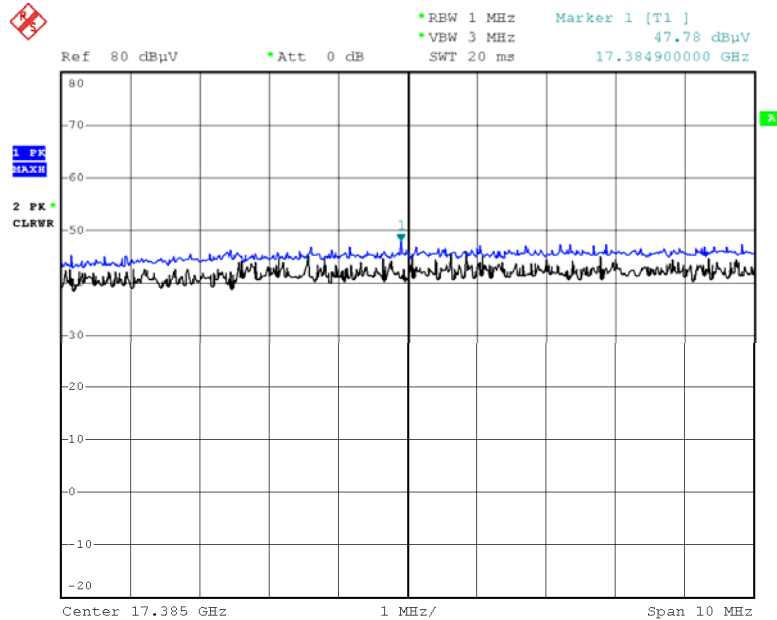
Date: 13.AUG.2019 10:50:51

Peak Reading (802.11n40, Ch.159 3rd Harmonic, X-H)



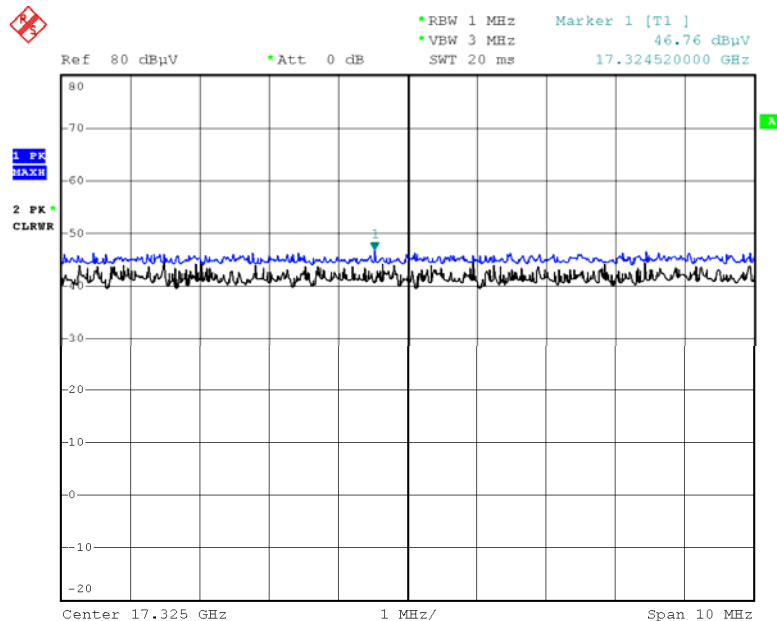
Date: 13.AUG.2019 14:31:20

Peak Reading (802.11ac40, Ch.159 3rd Harmonic, X-H)



Date: 13.AUG.2019 14:35:39

Peak Reading (802.11ac80, Ch.155 3rd Harmonic, X-H)



Date: 13.AUG.2019 14:41:17

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 | CL+AF+DF-AG [dB] | ANT. POL [H/V] | Total [dBuV/m] | Limit [dBuV/m] | Margin [dB] | Detect |
|--------------------|-----------------|---------------------|-------------------|-------------------|-------------------|----------------|--------|
| 5150 | 43.68 | 11.06 | H | 54.74 | 73.98 | 19.24 | PK |
| 5150 | 31.11 | 11.06 | H | 42.17 | 53.98 | 11.81 | AV |
| 5150 | 43.79 | 11.06 | V | 54.85 | 73.98 | 19.13 | PK |
| 5150 | 31.15 | 11.06 | V | 42.21 | 53.98 | 11.77 | AV |

| | |
|---------------------|---------------|
| 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 | CL+AF+DF-AG [dB] | ANT. POL [H/V] | Total [dBuV/m] | Limit [dBuV/m] | Margin [dB] | Detect |
|--------------------|-----------------|---------------------|-------------------|-------------------|-------------------|----------------|--------|
| 5150 | 43.54 | 11.06 | H | 54.60 | 73.98 | 19.38 | PK |
| 5150 | 31.18 | 11.06 | H | 42.24 | 53.98 | 11.74 | AV |
| 5150 | 43.69 | 11.06 | V | 54.75 | 73.98 | 19.23 | PK |
| 5150 | 31.22 | 11.06 | V | 42.28 | 53.98 | 11.70 | AV |

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 | CL+AF+DF-AG [dB] | ANT. POL [H/V] | Total [dBuV/m] | Limit [dBuV/m] | Margin [dB] | Detect |
|--------------------|-----------------|---------------------|-------------------|-------------------|-------------------|----------------|--------|
| 5150 | 43.81 | 11.06 | H | 54.87 | 73.98 | 19.11 | PK |
| 5150 | 31.11 | 11.06 | H | 42.17 | 53.98 | 11.81 | AV |
| 5150 | 43.85 | 11.06 | V | 54.91 | 73.98 | 19.07 | PK |
| 5150 | 31.20 | 11.06 | V | 42.26 | 53.98 | 11.72 | AV |

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 | CL+AF+DF-AG [dB] | ANT. POL [H/V] | Total [dBuV/m] | Limit [dBuV/m] | Margin [dB] | Detect |
|--------------------|-----------------|---------------------|-------------------|-------------------|-------------------|----------------|--------|
| 5150 | 43.98 | 11.06 | H | 55.04 | 73.98 | 18.94 | PK |
| 5150 | 31.39 | 11.06 | H | 42.45 | 53.98 | 11.53 | AV |
| 5150 | 44.09 | 11.06 | V | 55.15 | 73.98 | 18.83 | PK |
| 5150 | 31.43 | 11.06 | V | 42.49 | 53.98 | 11.49 | AV |

| | |
|---------------------|-----------------|
| 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 | CL+AF+DF-AG [dB] | ANT. POL [H/V] | Total [dBuV/m] | Limit [dBuV/m] | Margin [dB] | Detect |
|--------------------|-----------------|---------------------|-------------------|-------------------|-------------------|----------------|--------|
| 5150 | 43.57 | 11.06 | H | 54.63 | 73.98 | 19.35 | PK |
| 5150 | 31.42 | 11.06 | H | 42.48 | 53.98 | 11.50 | AV |
| 5150 | 43.69 | 11.06 | V | 54.75 | 73.98 | 19.23 | PK |
| 5150 | 31.50 | 11.06 | V | 42.56 | 53.98 | 11.42 | AV |

| | |
|---------------------|-----------------|
| 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 | CL+AF+DF-AG [dB] | ANT. POL [H/V] | Total [dBuV/m] | Limit [dBuV/m] | Margin [dB] | Detect |
|--------------------|-----------------|---------------------|-------------------|-------------------|-------------------|----------------|--------|
| 5150 | 44.66 | 11.06 | H | 55.72 | 73.98 | 18.26 | PK |
| 5150 | 32.48 | 11.06 | H | 43.54 | 53.98 | 10.44 | AV |
| 5150 | 44.79 | 11.06 | V | 55.85 | 73.98 | 18.13 | PK |
| 5150 | 32.56 | 11.06 | V | 43.62 | 53.98 | 10.36 | 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 | CL+AF+DF-AG [dB] | ANT. POL [H/V] | Total [dBuV/m] | Limit [dBuV/m] | Margin [dB] | Detect |
|--------------------|-----------------|---------------------|-------------------|-------------------|-------------------|----------------|--------|
| 5350 | 43.74 | 11.86 | H | 55.60 | 73.98 | 18.38 | PK |
| 5350 | 31.00 | 11.86 | H | 42.86 | 53.98 | 11.12 | AV |
| 5350 | 43.88 | 11.86 | V | 55.74 | 73.98 | 18.24 | PK |
| 5350 | 31.06 | 11.86 | V | 42.92 | 53.98 | 11.06 | 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 | CL+AF+DF-AG [dB] | ANT. POL [H/V] | Total [dBuV/m] | Limit [dBuV/m] | Margin [dB] | Detect |
|--------------------|-----------------|---------------------|-------------------|-------------------|-------------------|----------------|--------|
| 5350 | 44.05 | 11.86 | H | 55.91 | 73.98 | 18.07 | PK |
| 5350 | 30.66 | 11.86 | H | 42.52 | 53.98 | 11.46 | AV |
| 5350 | 44.20 | 11.86 | V | 56.06 | 73.98 | 17.92 | PK |
| 5350 | 30.89 | 11.86 | V | 42.75 | 53.98 | 11.23 | 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 | CL+AF+DF-AG [dB] | ANT. POL [H/V] | Total [dBuV/m] | Limit [dBuV/m] | Margin [dB] | Detect |
|--------------------|-----------------|---------------------|-------------------|-------------------|-------------------|----------------|--------|
| 5350 | 43.59 | 11.86 | H | 55.45 | 73.98 | 18.53 | PK |
| 5350 | 30.81 | 11.86 | H | 42.67 | 53.98 | 11.31 | AV |
| 5350 | 43.75 | 11.86 | V | 55.61 | 73.98 | 18.37 | PK |
| 5350 | 30.85 | 11.86 | V | 42.71 | 53.98 | 11.27 | 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 | CL+AF+DF-AG [dB] | ANT. POL [H/V] | Total [dBuV/m] | Limit [dBuV/m] | Margin [dB] | Detect |
|--------------------|-----------------|---------------------|-------------------|-------------------|-------------------|----------------|--------|
| 5350 | 43.45 | 11.86 | H | 55.31 | 73.98 | 18.67 | PK |
| 5350 | 31.13 | 11.86 | H | 42.99 | 53.98 | 10.99 | AV |
| 5350 | 43.56 | 11.86 | V | 55.42 | 73.98 | 18.56 | PK |
| 5350 | 31.14 | 11.86 | V | 43.00 | 53.98 | 10.98 | 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 | CL+AF+DF-AG [dB] | ANT. POL [H/V] | Total [dBuV/m] | Limit [dBuV/m] | Margin [dB] | Detect |
|-----------------|--------------|------------------|----------------|----------------|----------------|-------------|--------|
| 5350 | 43.56 | 11.86 | H | 55.42 | 73.98 | 18.56 | PK |
| 5350 | 31.07 | 11.86 | H | 42.93 | 53.98 | 11.05 | AV |
| 5350 | 43.66 | 11.86 | V | 55.52 | 73.98 | 18.46 | PK |
| 5350 | 31.18 | 11.86 | V | 43.04 | 53.98 | 10.94 | 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 | CL+AF+DF-AG [dB] | ANT. POL [H/V] | Total [dBuV/m] | Limit [dBuV/m] | Margin [dB] | Detect |
|-----------------|--------------|------------------|----------------|----------------|----------------|-------------|--------|
| 5350 | 45.88 | 11.86 | H | 57.74 | 73.98 | 16.24 | PK |
| 5350 | 33.53 | 11.86 | H | 45.39 | 53.98 | 8.59 | AV |
| 5350 | 46.00 | 11.86 | V | 57.86 | 73.98 | 16.12 | PK |
| 5350 | 33.65 | 11.86 | V | 45.51 | 53.98 | 8.47 | 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 | CL+AF+DF-AG [dB] | ANT. POL [H/V] | Total [dBuV/m] | Limit [dBuV/m] | Margin [dB] | Detect |
|--------------------|-----------------|---------------------|-------------------|-------------------|-------------------|----------------|--------|
| 5460 | 43.63 | 12.24 | H | 55.87 | 73.98 | 18.11 | PK |
| 5460 | 30.48 | 12.24 | H | 42.72 | 53.98 | 11.26 | AV |
| 5470 | 45.22 | 12.50 | H | 57.72 | 68.20 | 10.48 | PK |
| 5460 | 43.68 | 12.24 | V | 55.92 | 73.98 | 18.06 | PK |
| 5460 | 30.59 | 12.24 | V | 42.83 | 53.98 | 11.15 | AV |
| 5470 | 45.35 | 12.50 | V | 57.85 | 68.20 | 10.35 | PK |

| | |
|---------------------|---------------|
| 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 | CL+AF+DF-AG [dB] | ANT. POL [H/V] | Total [dBuV/m] | Limit [dBuV/m] | Margin [dB] | Detect |
|--------------------|-----------------|---------------------|-------------------|-------------------|-------------------|----------------|--------|
| 5460 | 43.82 | 12.24 | H | 56.06 | 73.98 | 17.92 | PK |
| 5460 | 30.49 | 12.24 | H | 42.73 | 53.98 | 11.25 | AV |
| 5470 | 45.27 | 12.50 | H | 57.77 | 68.20 | 10.43 | PK |
| 5460 | 43.89 | 12.24 | V | 56.13 | 73.98 | 17.85 | PK |
| 5460 | 30.54 | 12.24 | V | 42.78 | 53.98 | 11.20 | AV |
| 5470 | 45.39 | 12.50 | V | 57.89 | 68.20 | 10.31 | PK |

| | |
|---------------------|-----------------|
| 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 | CL+AF+DF-AG [dB] | ANT. POL [H/V] | Total [dBuV/m] | Limit [dBuV/m] | Margin [dB] | Detect |
|--------------------|-----------------|---------------------|-------------------|-------------------|-------------------|----------------|--------|
| 5460 | 43.41 | 12.24 | H | 55.65 | 73.98 | 18.33 | PK |
| 5460 | 30.49 | 12.24 | H | 42.73 | 53.98 | 11.25 | AV |
| 5470 | 43.20 | 12.50 | H | 55.7 | 68.20 | 12.50 | PK |
| 5460 | 43.56 | 12.24 | V | 55.8 | 73.98 | 18.18 | PK |
| 5460 | 30.58 | 12.24 | V | 42.82 | 53.98 | 11.16 | AV |
| 5470 | 43.24 | 12.50 | V | 55.74 | 68.20 | 12.46 | PK |

| | |
|---------------------|---------------|
| 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 | CL+AF+DF-AG [dB] | ANT. POL [H/V] | Total [dBuV/m] | Limit [dBuV/m] | Margin [dB] | Detect |
|--------------------|-----------------|---------------------|-------------------|-------------------|-------------------|----------------|--------|
| 5460 | 43.11 | 12.24 | H | 55.35 | 73.98 | 18.63 | PK |
| 5460 | 30.79 | 12.24 | H | 43.03 | 53.98 | 10.95 | AV |
| 5470 | 45.28 | 12.50 | H | 57.78 | 68.20 | 10.42 | PK |
| 5460 | 43.23 | 12.24 | V | 55.47 | 73.98 | 18.51 | PK |
| 5460 | 30.85 | 12.24 | V | 43.09 | 53.98 | 10.89 | AV |
| 5470 | 45.36 | 12.50 | V | 57.86 | 68.20 | 10.34 | PK |

| | |
|---------------------|-----------------|
| Band : | UNII 2C |
| Operation Mode: | 802.11 ac_VHT40 |
| Transfer MCS Index: | 0 |
| Operating Frequency | 5510 MHz |
| Channel No. | 102 Ch |

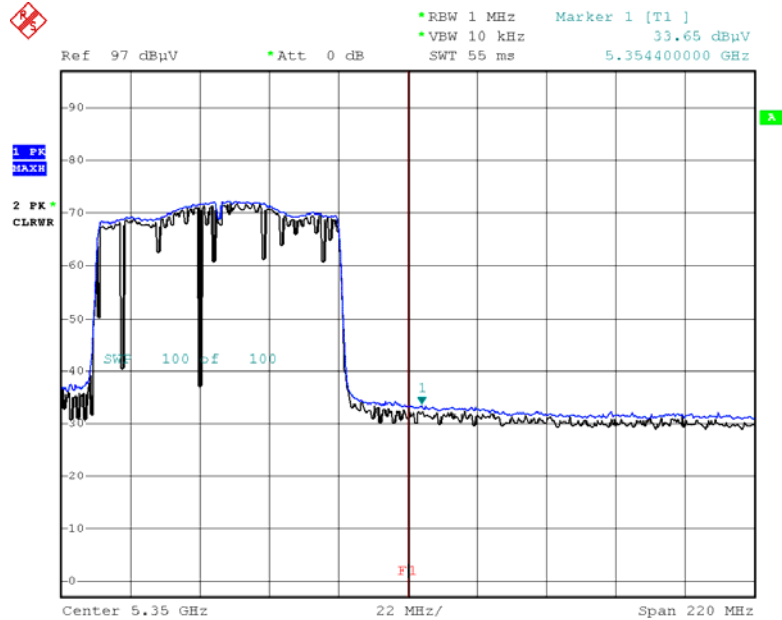
| Frequency [MHz] | Reading dBuV | CL+AF+DF-AG [dB] | ANT. POL [H/V] | Total [dBuV/m] | Limit [dBuV/m] | Margin [dB] | Detect |
|--------------------|-----------------|---------------------|-------------------|-------------------|-------------------|----------------|--------|
| 5460 | 44.03 | 12.24 | H | 56.27 | 73.98 | 17.71 | PK |
| 5460 | 31.14 | 12.24 | H | 43.38 | 53.98 | 10.60 | AV |
| 5470 | 44.21 | 12.50 | H | 56.71 | 68.20 | 11.49 | PK |
| 5460 | 44.17 | 12.24 | V | 56.41 | 73.98 | 17.57 | PK |
| 5460 | 31.16 | 12.24 | V | 43.4 | 53.98 | 10.58 | AV |
| 5470 | 44.52 | 12.50 | V | 57.02 | 68.20 | 11.18 | PK |

| | |
|---------------------|-----------------|
| 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 | CL+AF+DF-AG [dB] | ANT. POL [H/V] | Total [dBuV/m] | Limit [dBuV/m] | Margin [dB] | Detect |
|--------------------|-----------------|---------------------|-------------------|-------------------|-------------------|----------------|--------|
| 5460 | 43.39 | 12.24 | H | 55.63 | 73.98 | 18.35 | PK |
| 5460 | 31.98 | 12.24 | H | 44.22 | 53.98 | 9.76 | AV |
| 5470 | 45.21 | 12.50 | H | 57.71 | 68.20 | 10.49 | PK |
| 5460 | 43.58 | 12.24 | V | 55.82 | 73.98 | 18.16 | PK |
| 5460 | 32.11 | 12.24 | V | 44.35 | 53.98 | 9.63 | AV |
| 5470 | 45.42 | 12.50 | V | 57.92 | 68.20 | 10.28 | PK |

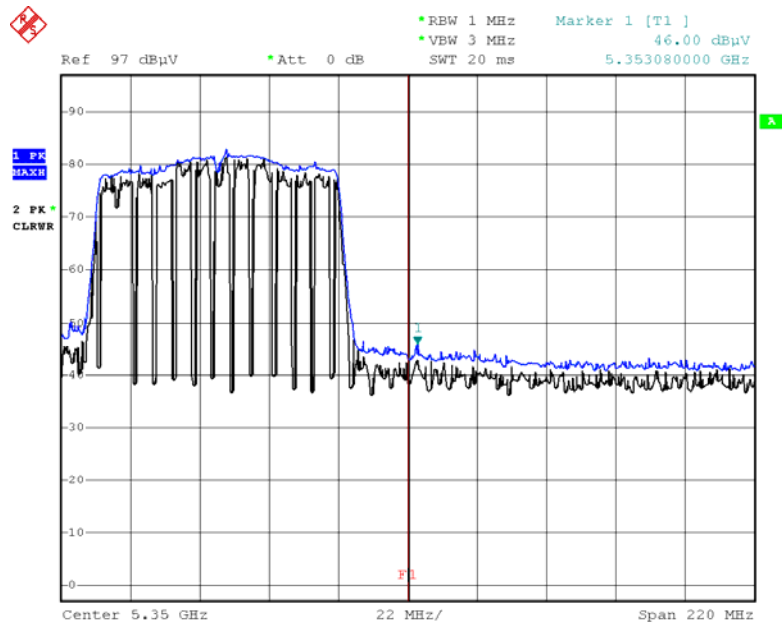
Test Plots

Average Reading (802.11ac, Ch.58, X-V)



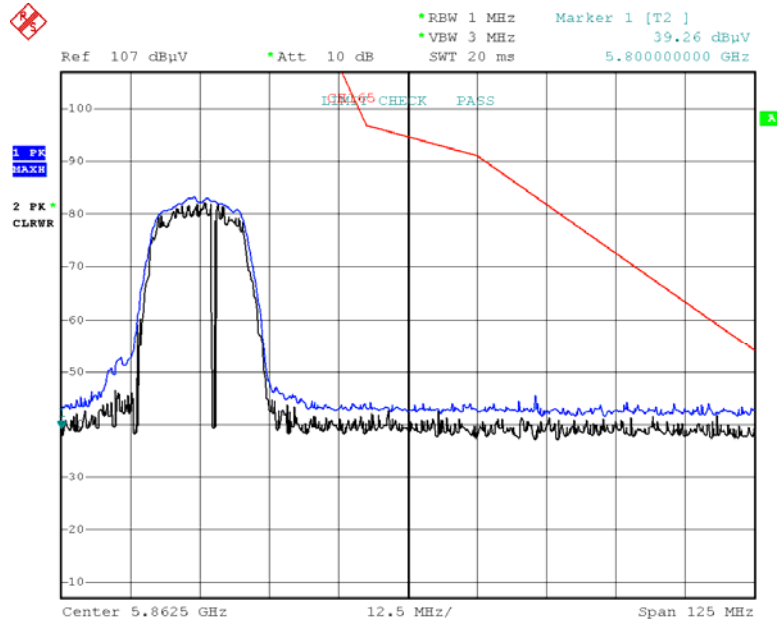
Date: 8.AUG.2019 05:22:48

Peak Reading (802.11ac Ch.58, X-V)



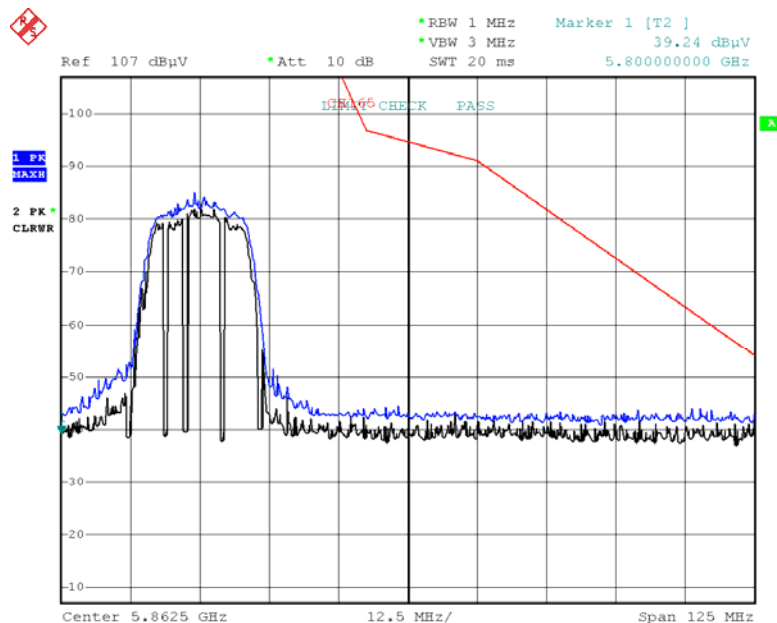
Date: 8.AUG.2019 05:21:47

802.11a Ch.165



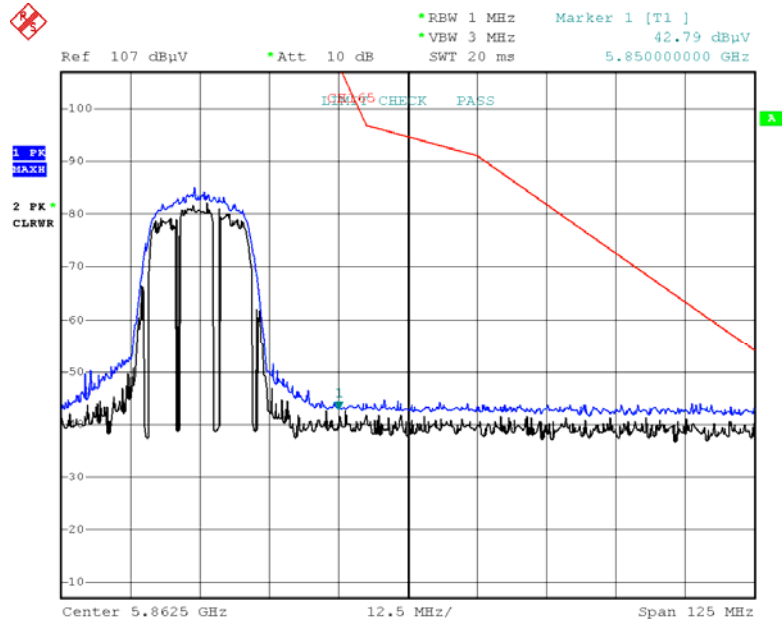
Date: 8.AUG.2019 04:54:07

802.11n Ch.165



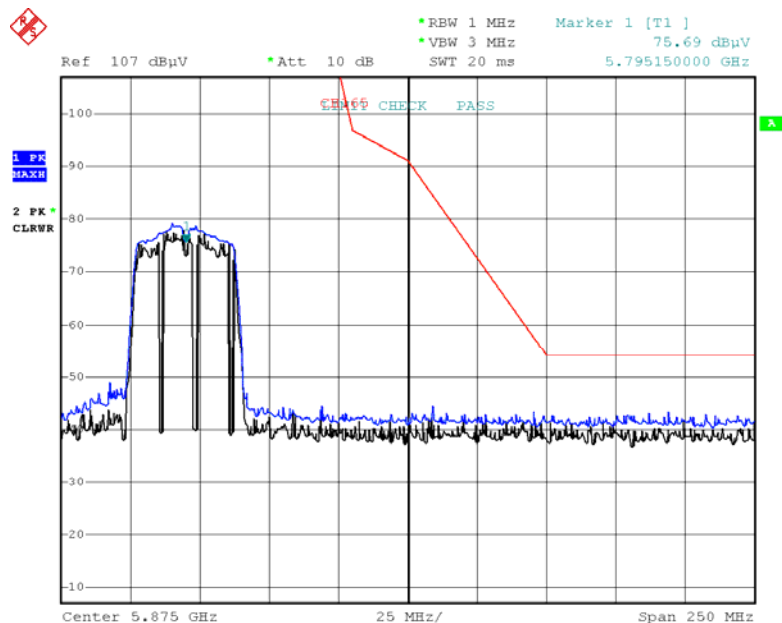
Date: 8.AUG.2019 04:55:07

802.11ac Ch.165



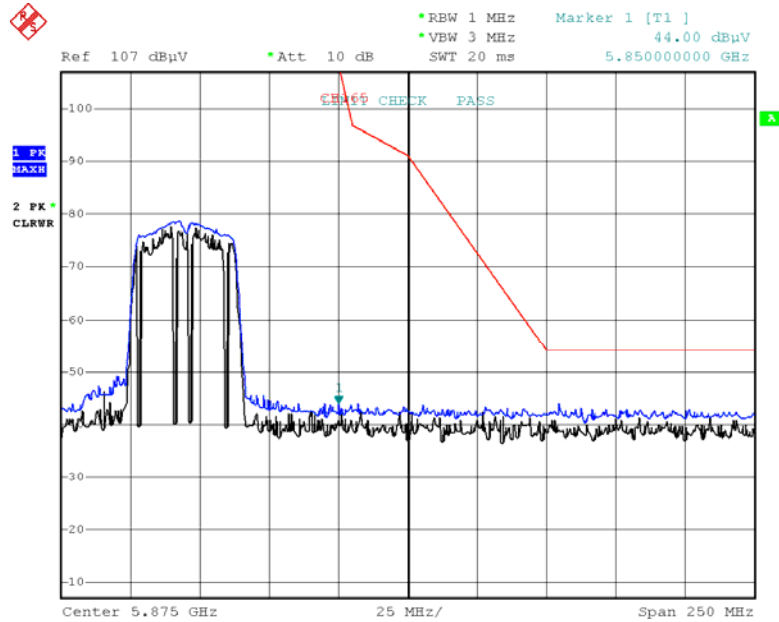
Date: 8.AUG.2019 04:55:40

802.11n_VHT40 Ch.159

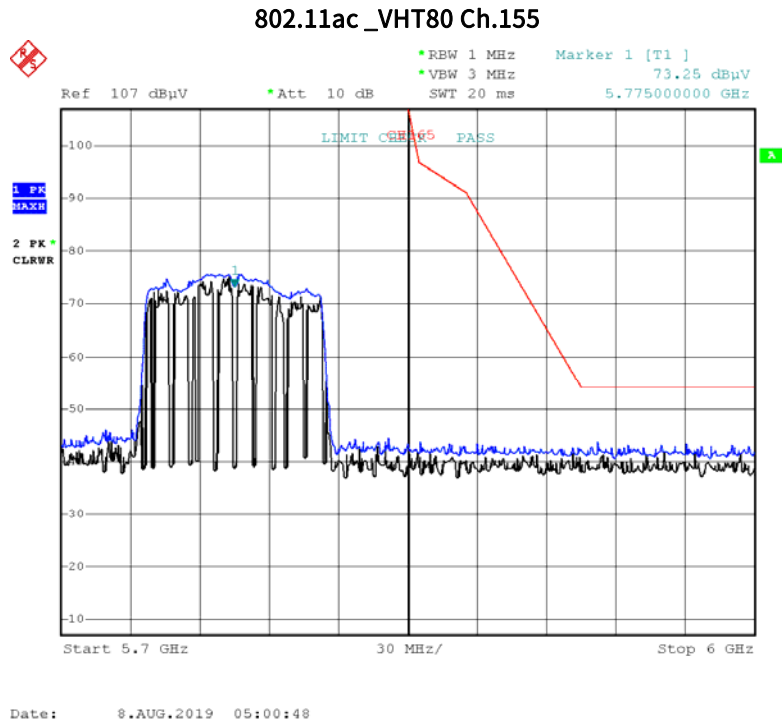


Date: 8.AUG.2019 04:57:39

802.11ac_VHT40 Ch.159



Date: 8.AUG.2019 04:58:16



Note : Only the worst case plots for Radiated Restricted Band Edge.

10.10 RECEIVER SPURIOUS EMISSIONS

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

| 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 | | | | | | | |

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 | 100033 |
| 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 | 5001 |
| Hewlett Packard | E3632A / DC Power Supply | 06/18/2019 | Annual | KR75303960 |
| Agilent | 8493C / Attenuator(10 dB) | 07/02/2019 | Annual | 07560 |
| 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 |
| Emco | 2090 / Controller | N/A | N/A | 060520 |
| Ets | Turn Table | N/A | N/A | N/A |
| Rohde & Schwarz | Loop Antenna | 08/23/2018 | Biennial | 1513-175 |
| Schwarzbeck | VULB 9160 / Hybrid Antenna | 08/09/2019 | Biennial | 3368 |
| Schwarzbeck | BBHA 9120D / Horn Antenna | 11/21/2017 | Biennial | 9120D-1191 |
| Schwarzbeck | BBHA9170 / Horn Antenna(15 GHz ~ 40 GHz) | 12/04/2017 | Biennial | BBHA9170541 |
| Rohde & Schwarz | FSP(9 kHz ~ 30 GHz) / Spectrum Analyzer | 09/19/2018 | Annual | 836650/016 |
| Rohde & Schwarz | FSV40-N / Spectrum Analyzer | 09/19/2018 | Annual | 101068-SZ |
| Wainwright Instruments | WHKX10-2700-3000-18000-40SS / High Pass Filter | 01/03/2019 | Annual | 4 |
| Wainwright Instruments | WHKX8-6090-7000-18000-40SS / High Pass Filter | 01/03/2019 | Annual | 5 |
| 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 | 2 |
| WEINSCHL | 56-10 / Attenuator(10 dB) | 10/10/2018 | Annual | 72316 |
| CERNEX | CBLU1183540B-01/Broadband Bench Top LNA | 01/03/2019 | Annual | 28549 |
| CERNEX | CBL06185030 / Broadband Low Noise Amplifier | 01/03/2019 | Annual | 24615 |
| 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-FI029-P |