

| 802.11n(40MHz) Mode | | Power Level Setting | Measured Power [dBm] | Duty Cycle Factor (dB) | Total Power [dBm] | Limit (dBm) |
|---------------------|-------------|---------------------|----------------------|------------------------|-------------------|-------------|
| Frequency [MHz] | Channel No. | | | | | |
| 5190 | 38 | 13 | 10.76 | 2.988 | 13.75 | 23.98 |
| 5230 | 46 | 16 | 13.95 | 2.988 | 16.94 | 23.98 |
| 5270 | 54 | 15 | 13.64 | 2.988 | 16.63 | 23.98 |
| 5310 | 62 | 13 | 11.48 | 2.988 | 14.47 | 23.98 |
| 5510 | 102 | 10 | 7.22 | 2.988 | 10.21 | 23.98 |
| 5590 | 118 | 16 | 13.89 | 2.988 | 16.88 | 23.98 |
| 5710 | 142 | 15 | 13.34 | 2.988 | 16.33 | 23.98 |
| 5755 | 151 | 15 | 13.11 | 2.988 | 16.10 | 30.00 |
| 5795 | 159 | 15 | 13.19 | 2.988 | 16.18 | 30.00 |

| 802.11ac(20MHz) Mode | | Power Level Setting | Measured Power [dBm] | Duty Cycle Factor (dB) | Total Power [dBm] | Limit (dBm) |
|----------------------|-------------|---------------------|----------------------|------------------------|-------------------|-------------|
| Frequency [MHz] | Channel No. | | | | | |
| 5180 | 36 | 17 | 15.55 | 2.174 | 17.72 | 23.98 |
| 5200 | 40 | 17 | 15.42 | 2.174 | 17.59 | 23.98 |
| 5240 | 48 | 17 | 15.37 | 2.174 | 17.54 | 23.98 |
| 5260 | 52 | 16 | 15.13 | 2.174 | 17.30 | 23.98 |
| 5300 | 60 | 16 | 15.09 | 2.174 | 17.26 | 23.98 |
| 5320 | 64 | 16 | 15.03 | 2.174 | 17.20 | 23.98 |
| 5500 | 100 | 14 | 12.22 | 2.174 | 14.39 | 23.98 |
| 5600 | 120 | 17 | 15.59 | 2.174 | 17.76 | 23.98 |
| 5720 | 144 | 16 | 14.87 | 2.174 | 17.04 | 23.98 |
| 5745 | 149 | 17 | 15.48 | 2.174 | 17.65 | 30.00 |
| 5785 | 157 | 17 | 15.62 | 2.174 | 17.79 | 30.00 |
| 5825 | 165 | 17 | 15.61 | 2.174 | 17.78 | 30.00 |

| 802.11ac(40MHz) Mode | | Power Level Setting | Measured Power [dBm] | Duty Cycle Factor (dB) | Total Power [dBm] | Limit (dBm) |
|----------------------|-------------|---------------------|----------------------|------------------------|-------------------|-------------|
| Frequency [MHz] | Channel No. | | | | | |
| 5190 | 38 | 13 | 10.45 | 3.273 | 13.72 | 23.98 |
| 5230 | 46 | 16 | 13.59 | 3.273 | 16.86 | 23.98 |
| 5270 | 54 | 15 | 13.25 | 3.273 | 16.52 | 23.98 |
| 5310 | 62 | 13 | 11.18 | 3.273 | 14.45 | 23.98 |
| 5510 | 102 | 10 | 6.91 | 3.273 | 10.18 | 23.98 |
| 5590 | 118 | 16 | 13.60 | 3.273 | 16.87 | 23.98 |
| 5710 | 142 | 15 | 12.99 | 3.273 | 16.26 | 23.98 |
| 5755 | 151 | 15 | 12.91 | 3.273 | 16.18 | 30.00 |
| 5795 | 159 | 15 | 12.88 | 3.273 | 16.15 | 30.00 |

| 802.11ac(80MHz) Mode | | Power Level Setting | Measured Power [dBm] | Duty Cycle Factor (dB) | Total Power [dBm] | Limit (dBm) |
|----------------------|-------------|---------------------|----------------------|------------------------|-------------------|-------------|
| Frequency [MHz] | Channel No. | | | | | |
| 5210 | 42 | 13 | 10.41 | 3.398 | 13.81 | 23.98 |
| 5290 | 58 | 13 | 10.98 | 3.398 | 14.38 | 23.98 |
| 5530 | 106 | 10 | 6.96 | 3.398 | 10.36 | 23.98 |
| 5610 | 122 | 15 | 12.47 | 3.398 | 15.87 | 23.98 |
| 5690 | 138 | 14 | 11.78 | 3.398 | 15.18 | 23.98 |
| 5775 | 155 | 15 | 12.58 | 3.398 | 15.98 | 30.00 |

[ANT2]

| 802.11a Mode | | Power Level Setting | Measured Power [dBm] | Duty Cycle Factor (dB) | Total Power [dBm] | Limit (dBm) |
|-----------------|-------------|---------------------|----------------------|------------------------|-------------------|-------------|
| Frequency [MHz] | Channel No. | | | | | |
| 5180 | 36 | 17 | 14.99 | 1.897 | 16.89 | 23.98 |
| 5200 | 40 | 17 | 14.84 | 1.897 | 16.74 | 23.98 |
| 5240 | 48 | 17 | 14.69 | 1.897 | 16.59 | 23.98 |
| 5260 | 52 | 16 | 14.25 | 1.897 | 16.15 | 23.98 |
| 5300 | 60 | 16 | 14.13 | 1.897 | 16.03 | 23.98 |
| 5320 | 64 | 16 | 14.18 | 1.897 | 16.08 | 23.98 |
| 5500 | 100 | 15 | 13.00 | 1.897 | 14.90 | 23.98 |
| 5600 | 120 | 17 | 15.15 | 1.897 | 17.05 | 23.98 |
| 5720 | 144 | 16 | 14.20 | 1.897 | 16.10 | 23.98 |
| 5745 | 149 | 17 | 14.85 | 1.897 | 16.75 | 30.00 |
| 5785 | 157 | 17 | 14.92 | 1.897 | 16.82 | 30.00 |
| 5825 | 165 | 17 | 14.88 | 1.897 | 16.78 | 30.00 |

| 802.11n(20MHz) Mode | | Power Level Setting | Measured Power [dBm] | Duty Cycle Factor (dB) | Total Power [dBm] | Limit (dBm) |
|---------------------|-------------|---------------------|----------------------|------------------------|-------------------|-------------|
| Frequency [MHz] | Channel No. | | | | | |
| 5180 | 36 | 17 | 14.92 | 2.006 | 16.93 | 23.98 |
| 5200 | 40 | 17 | 14.85 | 2.006 | 16.86 | 23.98 |
| 5240 | 48 | 17 | 14.68 | 2.006 | 16.69 | 23.98 |
| 5260 | 52 | 16 | 14.21 | 2.006 | 16.22 | 23.98 |
| 5300 | 60 | 16 | 14.04 | 2.006 | 16.05 | 23.98 |
| 5320 | 64 | 16 | 13.99 | 2.006 | 16.00 | 23.98 |
| 5500 | 100 | 14 | 11.85 | 2.006 | 13.86 | 23.98 |
| 5600 | 120 | 17 | 15.06 | 2.006 | 17.07 | 23.98 |
| 5720 | 144 | 16 | 14.07 | 2.006 | 16.08 | 23.98 |
| 5745 | 149 | 17 | 14.70 | 2.006 | 16.71 | 30.00 |
| 5785 | 157 | 17 | 14.71 | 2.006 | 16.72 | 30.00 |
| 5825 | 165 | 17 | 14.67 | 2.006 | 16.68 | 30.00 |

| 802.11n(40MHz) Mode | | Power Level Setting | Measured Power [dBm] | Duty Cycle Factor (dB) | Total Power [dBm] | Limit (dBm) |
|---------------------|-------------|---------------------|----------------------|------------------------|-------------------|-------------|
| Frequency [MHz] | Channel No. | | | | | |
| 5190 | 38 | 13 | 10.00 | 2.988 | 12.99 | 23.98 |
| 5230 | 46 | 16 | 12.98 | 2.988 | 15.97 | 23.98 |
| 5270 | 54 | 15 | 12.41 | 2.988 | 15.40 | 23.98 |
| 5310 | 62 | 13 | 10.06 | 2.988 | 13.05 | 23.98 |
| 5510 | 102 | 10 | 6.75 | 2.988 | 9.74 | 23.98 |
| 5590 | 118 | 16 | 13.27 | 2.988 | 16.26 | 23.98 |
| 5710 | 142 | 15 | 12.35 | 2.988 | 15.34 | 23.98 |
| 5755 | 151 | 15 | 12.26 | 2.988 | 15.25 | 30.00 |
| 5795 | 159 | 15 | 12.29 | 2.988 | 15.28 | 30.00 |

| 802.11ac(20MHz) Mode | | Power Level Setting | Measured Power [dBm] | Duty Cycle Factor (dB) | Total Power [dBm] | Limit (dBm) |
|----------------------|-------------|---------------------|----------------------|------------------------|-------------------|-------------|
| Frequency [MHz] | Channel No. | | | | | |
| 5180 | 36 | 17 | 14.97 | 2.174 | 17.14 | 23.98 |
| 5200 | 40 | 17 | 14.64 | 2.174 | 16.81 | 23.98 |
| 5240 | 48 | 17 | 14.54 | 2.174 | 16.71 | 23.98 |
| 5260 | 52 | 16 | 14.06 | 2.174 | 16.23 | 23.98 |
| 5300 | 60 | 16 | 13.95 | 2.174 | 16.12 | 23.98 |
| 5320 | 64 | 16 | 13.87 | 2.174 | 16.04 | 23.98 |
| 5500 | 100 | 14 | 11.76 | 2.174 | 13.93 | 23.98 |
| 5600 | 120 | 17 | 15.10 | 2.174 | 17.27 | 23.98 |
| 5720 | 144 | 16 | 13.94 | 2.174 | 16.11 | 23.98 |
| 5745 | 149 | 17 | 14.53 | 2.174 | 16.70 | 30.00 |
| 5785 | 157 | 17 | 14.65 | 2.174 | 16.82 | 30.00 |
| 5825 | 165 | 17 | 14.57 | 2.174 | 16.74 | 30.00 |

| 802.11ac(40MHz) Mode | | Power Level Setting | Measured Power [dBm] | Duty Cycle Factor (dB) | Total Power [dBm] | Limit (dBm) |
|----------------------|-------------|---------------------|----------------------|------------------------|-------------------|-------------|
| Frequency [MHz] | Channel No. | | | | | |
| 5190 | 38 | 13 | 9.69 | 3.273 | 12.96 | 23.98 |
| 5230 | 46 | 16 | 12.72 | 3.273 | 15.99 | 23.98 |
| 5270 | 54 | 15 | 12.10 | 3.273 | 15.37 | 23.98 |
| 5310 | 62 | 13 | 9.81 | 3.273 | 13.08 | 23.98 |
| 5510 | 102 | 10 | 6.61 | 3.273 | 9.88 | 23.98 |
| 5590 | 118 | 16 | 12.95 | 3.273 | 16.22 | 23.98 |
| 5710 | 142 | 15 | 12.04 | 3.273 | 15.31 | 23.98 |
| 5755 | 151 | 15 | 11.94 | 3.273 | 15.21 | 30.00 |
| 5795 | 159 | 15 | 11.89 | 3.273 | 15.16 | 30.00 |

| 802.11ac(80MHz) Mode | | Power Level Setting | Measured Power [dBm] | Duty Cycle Factor (dB) | Total Power [dBm] | Limit (dBm) |
|----------------------|-------------|---------------------|----------------------|------------------------|-------------------|-------------|
| Frequency [MHz] | Channel No. | | | | | |
| 5210 | 42 | 13 | 9.55 | 3.398 | 12.95 | 23.98 |
| 5290 | 58 | 13 | 9.83 | 3.398 | 13.23 | 23.98 |
| 5530 | 106 | 10 | 6.98 | 3.398 | 10.08 | 23.98 |
| 5610 | 122 | 15 | 11.75 | 3.398 | 15.15 | 23.98 |
| 5690 | 138 | 14 | 10.89 | 3.398 | 14.29 | 23.98 |
| 5775 | 155 | 15 | 11.49 | 3.398 | 14.89 | 30.00 |

[MIMO]

| 802.11a Mode | | Power Level Setting | Ant 1 Measured Power (dBm) + Duty Cycle Factor | Ant 2 Measured Power (dBm) + Duty Cycle Factor | MIMO Total Power [dBm] | Limit (dBm) |
|-----------------|-------------|---------------------|--|--|------------------------|-------------|
| Frequency [MHz] | Channel No. | | | | | |
| 5180 | 36 | 17 | 17.74 | 16.89 | 20.34 | 23.98 |
| 5200 | 40 | 17 | 17.57 | 16.74 | 20.18 | 23.98 |
| 5240 | 48 | 17 | 17.59 | 16.59 | 20.13 | 23.98 |
| 5260 | 52 | 16 | 17.27 | 16.15 | 19.75 | 23.98 |
| 5300 | 60 | 16 | 17.27 | 16.03 | 19.70 | 23.98 |
| 5320 | 64 | 16 | 17.19 | 16.08 | 19.68 | 23.98 |
| 5500 | 100 | 15 | 15.42 | 14.90 | 18.18 | 23.98 |
| 5600 | 120 | 17 | 17.79 | 17.05 | 20.44 | 23.98 |
| 5720 | 144 | 16 | 17.07 | 16.10 | 19.62 | 23.98 |
| 5745 | 149 | 17 | 17.66 | 16.75 | 20.24 | 30.00 |
| 5785 | 157 | 17 | 17.78 | 16.82 | 20.33 | 30.00 |
| 5825 | 165 | 17 | 17.78 | 16.78 | 20.32 | 30.00 |

| 802.11n(20MHz) Mode | | Power Level Setting | Ant 1 Measured Power (dBm) + Duty Cycle Factor | Ant 2 Measured Power (dBm) + Duty Cycle Factor | MIMO Total Power [dBm] | Limit (dBm) |
|---------------------|-------------|---------------------|--|--|------------------------|-------------|
| Frequency [MHz] | Channel No. | | | | | |
| 5180 | 36 | 17 | 17.68 | 16.93 | 20.33 | 23.98 |
| 5200 | 40 | 17 | 17.56 | 16.86 | 20.23 | 23.98 |
| 5240 | 48 | 17 | 17.53 | 16.69 | 20.14 | 23.98 |
| 5260 | 52 | 16 | 17.26 | 16.22 | 19.78 | 23.98 |
| 5300 | 60 | 16 | 17.19 | 16.05 | 19.66 | 23.98 |
| 5320 | 64 | 16 | 17.20 | 16.00 | 19.65 | 23.98 |
| 5500 | 100 | 14 | 14.38 | 13.86 | 17.13 | 23.98 |
| 5600 | 120 | 17 | 17.71 | 17.07 | 20.41 | 23.98 |
| 5720 | 144 | 16 | 17.07 | 16.08 | 19.61 | 23.98 |
| 5745 | 149 | 17 | 17.65 | 16.71 | 20.21 | 30.00 |
| 5785 | 157 | 17 | 17.75 | 16.72 | 20.27 | 30.00 |
| 5825 | 165 | 17 | 17.73 | 16.68 | 20.24 | 30.00 |

| 802.11n(40MHz) Mode | | Power Level Setting | Ant 1 Measured Power (dBm) + Duty Cycle Factor | Ant 2 Measured Power (dBm) + Duty Cycle Factor | MIMO Total Power [dBm] | Limit (dBm) |
|---------------------|-------------|---------------------|--|--|------------------------|-------------|
| Frequency [MHz] | Channel No. | | | | | |
| 5190 | 38 | 13 | 13.75 | 12.99 | 16.39 | 23.98 |
| 5230 | 46 | 16 | 16.94 | 15.97 | 19.49 | 23.98 |
| 5270 | 54 | 15 | 16.63 | 15.40 | 19.07 | 23.98 |
| 5310 | 62 | 13 | 14.47 | 13.05 | 16.83 | 23.98 |
| 5510 | 102 | 10 | 10.21 | 9.74 | 12.99 | 23.98 |
| 5590 | 118 | 16 | 16.88 | 16.26 | 19.59 | 23.98 |
| 5710 | 142 | 15 | 16.33 | 15.34 | 18.87 | 23.98 |
| 5755 | 151 | 15 | 16.10 | 15.25 | 18.70 | 30.00 |
| 5795 | 159 | 15 | 16.18 | 15.28 | 18.76 | 30.00 |

| 802.11ac(20MHz) Mode | | Power Level Setting | Ant 1 Measured Power (dBm) + Duty Cycle Factor | Ant 2 Measured Power (dBm) + Duty Cycle Factor | MIMO Total Power [dBm] | Limit (dBm) |
|----------------------|-------------|---------------------|--|--|------------------------|-------------|
| Frequency [MHz] | Channel No. | | | | | |
| 5180 | 36 | 17 | 17.72 | 17.14 | 20.45 | 23.98 |
| 5200 | 40 | 17 | 17.59 | 16.81 | 20.23 | 23.98 |
| 5240 | 48 | 17 | 17.54 | 16.71 | 20.16 | 23.98 |
| 5260 | 52 | 16 | 17.30 | 16.23 | 19.81 | 23.98 |
| 5300 | 60 | 16 | 17.26 | 16.12 | 19.74 | 23.98 |
| 5320 | 64 | 16 | 17.20 | 16.04 | 19.67 | 23.98 |
| 5500 | 100 | 14 | 14.39 | 13.93 | 17.18 | 23.98 |
| 5600 | 120 | 17 | 17.76 | 17.27 | 20.54 | 23.98 |
| 5720 | 144 | 16 | 17.04 | 16.11 | 19.61 | 23.98 |
| 5745 | 149 | 17 | 17.65 | 16.70 | 20.22 | 30.00 |
| 5785 | 157 | 17 | 17.79 | 16.82 | 20.35 | 30.00 |
| 5825 | 165 | 17 | 17.78 | 16.74 | 20.31 | 30.00 |

| 802.11ac(40MHz) Mode | | Power Level Setting | Ant 1 Measured Power (dBm) + Duty Cycle Factor | Ant 2 Measured Power (dBm) + Duty Cycle Factor | MIMO Total Power [dBm] | Limit (dBm) |
|----------------------|-------------|---------------------|--|--|------------------------|-------------|
| Frequency [MHz] | Channel No. | | | | | |
| 5190 | 38 | 13 | 13.72 | 12.96 | 16.37 | 23.98 |
| 5230 | 46 | 16 | 16.86 | 15.99 | 19.46 | 23.98 |
| 5270 | 54 | 15 | 16.52 | 15.37 | 19.00 | 23.98 |
| 5310 | 62 | 13 | 14.45 | 13.08 | 16.83 | 23.98 |
| 5510 | 102 | 10 | 10.18 | 9.88 | 13.05 | 23.98 |
| 5590 | 118 | 16 | 16.87 | 16.22 | 19.57 | 23.98 |
| 5710 | 142 | 15 | 16.26 | 15.31 | 18.82 | 23.98 |
| 5755 | 151 | 15 | 16.18 | 15.21 | 18.73 | 30.00 |
| 5795 | 159 | 15 | 16.15 | 15.16 | 18.69 | 30.00 |

| 802.11ac(80MHz) Mode | | Power Level Setting | Ant 1 Measured Power (dBm) + Duty Cycle Factor | Ant 2 Measured Power (dBm) + Duty Cycle Factor | MIMO Total Power [dBm] | Limit (dBm) |
|----------------------|-------------|---------------------|--|--|------------------------|-------------|
| Frequency [MHz] | Channel No. | | | | | |
| 5210 | 42 | 13 | 13.81 | 12.95 | 16.41 | 23.98 |
| 5290 | 58 | 13 | 14.38 | 13.23 | 16.85 | 23.98 |
| 5530 | 106 | 10 | 10.36 | 10.08 | 13.23 | 23.98 |
| 5610 | 122 | 15 | 15.87 | 15.15 | 18.53 | 23.98 |
| 5690 | 138 | 14 | 15.18 | 14.29 | 17.77 | 23.98 |
| 5775 | 155 | 15 | 15.98 | 14.89 | 18.48 | 30.00 |

10.5 POWER SPECTRAL DENSITY

[ANT1]

| 802.11a Mode | | Measured PSD [dBm] | Duty Cycle Factor (dB) | Total PSD [dBm] | Limit (dBm) |
|-----------------|-------------|--------------------|------------------------|-----------------|-------------|
| Frequency [MHz] | Channel No. | | | | |
| 5180 | 36 | 4.577 | 1.897 | 6.474 | 11 dBm/MHz |
| 5200 | 40 | 4.408 | 1.897 | 6.305 | |
| 5240 | 48 | 4.544 | 1.897 | 6.441 | |
| 5260 | 52 | 4.428 | 1.897 | 6.325 | |
| 5300 | 60 | 4.411 | 1.897 | 6.308 | |
| 5320 | 64 | 4.293 | 1.897 | 6.190 | |
| 5500 | 100 | 2.704 | 1.897 | 4.601 | |
| 5600 | 120 | 4.999 | 1.897 | 6.896 | |
| 5720 | 144 | 4.272 | 1.897 | 6.169 | |
| 5745 | 149 | 2.325 | 1.897 | 4.222 | |
| 5785 | 157 | 2.292 | 1.897 | 4.189 | |
| 5825 | 165 | 2.398 | 1.897 | 4.295 | |

| 802.11n(20MHz) Mode | | Measured PSD [dBm] | Duty Cycle Factor (dB) | Total PSD [dBm] | Limit (dBm) |
|---------------------|-------------|--------------------|------------------------|-----------------|-------------|
| Frequency [MHz] | Channel No. | | | | |
| 5180 | 36 | 4.145 | 2.006 | 6.151 | 11 dBm/MHz |
| 5200 | 40 | 4.071 | 2.006 | 6.077 | |
| 5240 | 48 | 4.422 | 2.006 | 6.428 | |
| 5260 | 52 | 3.931 | 2.006 | 5.937 | |
| 5300 | 60 | 3.940 | 2.006 | 5.946 | |
| 5320 | 64 | 3.894 | 2.006 | 5.900 | |
| 5500 | 100 | 0.953 | 2.006 | 2.959 | |
| 5600 | 120 | 4.474 | 2.006 | 6.480 | |
| 5720 | 144 | 3.979 | 2.006 | 5.985 | |
| 5745 | 149 | 1.828 | 2.006 | 3.834 | |
| 5785 | 157 | 1.780 | 2.006 | 3.786 | |
| 5825 | 165 | 1.986 | 2.006 | 3.992 | |

| 802.11n(40MHz) Mode | | Measured PSD [dBm] | Duty Cycle Factor (dB) | Total PSD [dBm] | Limit (dBm) |
|---------------------|-------------|--------------------|------------------------|-----------------|----------------|
| Frequency [MHz] | Channel No. | | | | |
| 5190 | 38 | -2.942 | 2.988 | 0.046 | 11 dBm/MHz |
| 5230 | 46 | 0.292 | 2.988 | 3.280 | |
| 5270 | 54 | -0.481 | 2.988 | 2.507 | |
| 5310 | 62 | -2.521 | 2.988 | 0.467 | |
| 5510 | 102 | -5.929 | 2.988 | -2.941 | |
| 5590 | 118 | 0.294 | 2.988 | 3.282 | |
| 5710 | 142 | -0.444 | 2.988 | 2.544 | |
| 5755 | 151 | -3.102 | 2.988 | -0.114 | 30 dBm /500kHz |
| 5795 | 159 | -3.091 | 2.988 | -0.103 | |

| 802.11ac(20MHz) Mode | | Measured PSD [dBm] | Duty Cycle Factor (dB) | Total PSD [dBm] | Limit (dBm) |
|----------------------|-------------|--------------------|------------------------|-----------------|-------------|
| Frequency [MHz] | Channel No. | | | | |
| 5180 | 36 | 4.086 | 2.174 | 6.260 | 11 dBm/MHz |
| 5200 | 40 | 4.322 | 2.174 | 6.496 | |
| 5240 | 48 | 3.939 | 2.174 | 6.113 | |
| 5260 | 52 | 3.864 | 2.174 | 6.038 | |
| 5300 | 60 | 4.072 | 2.174 | 6.246 | |
| 5320 | 64 | 4.027 | 2.174 | 6.201 | |
| 5500 | 100 | 0.834 | 2.174 | 3.008 | |
| 5600 | 120 | 4.327 | 2.174 | 6.501 | |
| 5720 | 144 | 3.723 | 2.174 | 5.897 | |
| 5745 | 149 | 2.098 | 2.174 | 4.272 | |
| 5785 | 157 | 2.057 | 2.174 | 4.231 | |
| 5825 | 165 | 2.155 | 2.174 | 4.329 | |

| 802.11ac(40MHz) Mode | | Measured PSD [dBm] | Duty Cycle Factor (dB) | Total PSD [dBm] | Limit (dBm) |
|----------------------|-------------|--------------------|------------------------|-----------------|-------------|
| Frequency [MHz] | Channel No. | | | | |
| 5190 | 38 | -3.134 | 3.273 | 0.139 | 11 dBm/MHz |
| 5230 | 46 | -0.279 | 3.273 | 2.994 | |
| 5270 | 54 | -0.403 | 3.273 | 2.870 | |
| 5310 | 62 | -2.614 | 3.273 | 0.659 | |
| 5510 | 102 | -6.137 | 3.273 | -2.864 | |
| 5590 | 118 | -0.088 | 3.273 | 3.185 | |
| 5710 | 142 | -0.678 | 3.273 | 2.595 | |
| 5755 | 151 | -3.285 | 3.273 | -0.012 | 30 dBm |
| 5795 | 159 | -3.203 | 3.273 | 0.070 | /500kHz |

| 802.11ac(80MHz) Mode | | Measured PSD [dBm] | Duty Cycle Factor (dB) | Total PSD [dBm] | Limit (dBm) |
|----------------------|-------------|--------------------|------------------------|-----------------|---------------|
| Frequency [MHz] | Channel No. | | | | |
| 5210 | 42 | -5.952 | 3.398 | -2.554 | 11 dBm/MHz |
| 5290 | 58 | -5.852 | 3.398 | -2.454 | |
| 5530 | 106 | -9.617 | 3.398 | -6.219 | |
| 5610 | 122 | -4.330 | 3.398 | -0.932 | |
| 5690 | 138 | -5.173 | 3.398 | -1.775 | |
| 5775 | 155 | -6.757 | 3.398 | -3.359 | 30 dBm/500kHz |

[ANT2]

| 802.11a Mode | | Measured PSD [dBm] | Duty Cycle Factor (dB) | Total PSD [dBm] | Limit (dBm) |
|-----------------|-------------|--------------------|------------------------|-----------------|---------------|
| Frequency [MHz] | Channel No. | | | | |
| 5180 | 36 | 4.160 | 1.897 | 6.057 | 11 dBm/MHz |
| 5200 | 40 | 4.058 | 1.897 | 5.955 | |
| 5240 | 48 | 3.959 | 1.897 | 5.856 | |
| 5260 | 52 | 3.187 | 1.897 | 5.084 | |
| 5300 | 60 | 3.390 | 1.897 | 5.287 | |
| 5320 | 64 | 3.030 | 1.897 | 4.927 | |
| 5500 | 100 | 2.079 | 1.897 | 3.976 | |
| 5600 | 120 | 4.237 | 1.897 | 6.134 | |
| 5720 | 144 | 3.178 | 1.897 | 5.075 | |
| 5745 | 149 | 1.172 | 1.897 | 3.069 | |
| 5785 | 157 | 1.192 | 1.897 | 3.089 | 30 dBm/500kHz |
| 5825 | 165 | 1.170 | 1.897 | 3.067 | |

| 802.11n(20MHz) Mode | | Measured PSD [dBm] | Duty Cycle Factor (dB) | Total PSD [dBm] | Limit (dBm) |
|---------------------|-------------|--------------------|------------------------|-----------------|-------------|
| Frequency [MHz] | Channel No. | | | | |
| 5180 | 36 | 3.481 | 2.006 | 5.487 | 11 dBm/MHz |
| 5200 | 40 | 3.264 | 2.006 | 5.270 | |
| 5240 | 48 | 3.425 | 2.006 | 5.431 | |
| 5260 | 52 | 3.111 | 2.006 | 5.117 | |
| 5300 | 60 | 3.006 | 2.006 | 5.012 | |
| 5320 | 64 | 3.048 | 2.006 | 5.054 | |
| 5500 | 100 | 0.509 | 2.006 | 2.515 | |
| 5600 | 120 | 3.925 | 2.006 | 5.931 | |
| 5720 | 144 | 3.013 | 2.006 | 5.019 | |
| 5745 | 149 | 1.325 | 2.006 | 3.331 | |
| 5785 | 157 | 1.243 | 2.006 | 3.249 | |
| 5825 | 165 | 1.032 | 2.006 | 3.038 | |

| 802.11n(40MHz) Mode | | Measured PSD [dBm] | Duty Cycle Factor (dB) | Total PSD [dBm] | Limit (dBm) |
|---------------------|-------------|--------------------|------------------------|-----------------|----------------|
| Frequency [MHz] | Channel No. | | | | |
| 5190 | 38 | -3.677 | 2.988 | -0.689 | 11 dBm/MHz |
| 5230 | 46 | -0.997 | 2.988 | 1.991 | |
| 5270 | 54 | -1.779 | 2.988 | 1.209 | |
| 5310 | 62 | -3.771 | 2.988 | -0.783 | |
| 5510 | 102 | -7.404 | 2.988 | -4.416 | |
| 5590 | 118 | -0.480 | 2.988 | 2.508 | |
| 5710 | 142 | -1.498 | 2.988 | 1.490 | |
| 5755 | 151 | -4.213 | 2.988 | -1.225 | 30 dBm /500kHz |
| 5795 | 159 | -4.110 | 2.988 | -1.122 | |

| 802.11ac(20MHz) Mode | | Measured PSD [dBm] | Duty Cycle Factor (dB) | Total PSD [dBm] | Limit (dBm) |
|----------------------|-------------|--------------------|------------------------|-----------------|-------------|
| Frequency [MHz] | Channel No. | | | | |
| 5180 | 36 | 3.334 | 2.174 | 5.508 | 11 dBm/MHz |
| 5200 | 40 | 3.264 | 2.174 | 5.438 | |
| 5240 | 48 | 3.162 | 2.174 | 5.336 | |
| 5260 | 52 | 2.688 | 2.174 | 4.862 | |
| 5300 | 60 | 2.614 | 2.174 | 4.788 | |
| 5320 | 64 | 2.795 | 2.174 | 4.969 | |
| 5500 | 100 | 0.514 | 2.174 | 2.688 | |
| 5600 | 120 | 3.891 | 2.174 | 6.065 | |
| 5720 | 144 | 2.724 | 2.174 | 4.898 | |
| 5745 | 149 | 0.682 | 2.174 | 2.856 | |
| 5785 | 157 | 0.824 | 2.174 | 2.998 | |
| 5825 | 165 | 0.651 | 2.174 | 2.825 | |

| 802.11ac(40MHz) Mode | | Measured PSD [dBm] | Duty Cycle Factor (dB) | Total PSD [dBm] | Limit (dBm) |
|----------------------|-------------|--------------------|------------------------|-----------------|-------------|
| Frequency [MHz] | Channel No. | | | | |
| 5190 | 38 | -3.848 | 3.273 | -0.575 | 11 dBm/MHz |
| 5230 | 46 | -0.975 | 3.273 | 2.298 | |
| 5270 | 54 | -1.607 | 3.273 | 1.666 | |
| 5310 | 62 | -3.674 | 3.273 | -0.401 | |
| 5510 | 102 | -7.307 | 3.273 | -4.034 | |
| 5590 | 118 | -0.353 | 3.273 | 2.920 | |
| 5710 | 142 | -1.441 | 3.273 | 1.832 | |
| 5755 | 151 | -3.969 | 3.273 | -0.696 | 30 dBm |
| 5795 | 159 | -3.734 | 3.273 | -0.461 | /500kHz |

| 802.11ac(80MHz) Mode | | Measured PSD [dBm] | Duty Cycle Factor (dB) | Total PSD [dBm] | Limit (dBm) |
|----------------------|-------------|--------------------|------------------------|-----------------|-------------------|
| Frequency [MHz] | Channel No. | | | | |
| 5210 | 42 | -6.754 | 3.398 | -3.356 | 11 dBm/MHz |
| 5290 | 58 | -6.895 | 3.398 | -3.497 | |
| 5530 | 106 | -10.336 | 3.398 | -6.938 | |
| 5610 | 122 | -4.426 | 3.398 | -1.028 | |
| 5690 | 138 | -5.471 | 3.398 | -2.073 | |
| 5775 | 155 | -7.971 | 3.398 | -4.573 | 30 dBm/ 500kHz |

[MIMO]

| 802.11a Mode | | ANT 1 Measured Power(dBm) + Duty Cycle Factor (dB) | ANT 2 Measured Power(dBm) + Duty Cycle Factor (dB) | MIMO Result (dBm) | Limit (dBm) |
|--------------------|-------------|---|---|----------------------|------------------|
| Frequency [MHz] | Channel No. | | | | |
| 5180 | 36 | 6.474 | 6.057 | 9.281 | 11 dBm/MHz |
| 5200 | 40 | 6.305 | 5.955 | 9.144 | |
| 5240 | 48 | 6.441 | 5.856 | 9.169 | |
| 5260 | 52 | 6.325 | 5.084 | 8.759 | |
| 5300 | 60 | 6.308 | 5.287 | 8.838 | |
| 5320 | 64 | 6.190 | 4.927 | 8.615 | |
| 5500 | 100 | 4.601 | 3.976 | 7.310 | |
| 5600 | 120 | 6.896 | 6.134 | 9.542 | |
| 5720 | 144 | 6.169 | 5.075 | 8.667 | |
| 5745 | 149 | 4.222 | 3.069 | 6.694 | 30 dBm/500kHz |
| 5785 | 157 | 4.189 | 3.089 | 6.684 | |
| 5825 | 165 | 4.295 | 3.067 | 6.735 | |

| 802.11n(20MHz) Mode | | ANT 1 Measured Power(dBm) + Duty Cycle Factor (dB) | ANT 2 Measured Power(dBm) + Duty Cycle Factor (dB) | MIMO Result (dBm) | Limit (dBm) |
|---------------------|-------------|---|---|----------------------|------------------|
| Frequency [MHz] | Channel No. | | | | |
| 5180 | 36 | 6.151 | 5.487 | 8.842 | 11 dBm/MHz |
| 5200 | 40 | 6.077 | 5.270 | 8.703 | |
| 5240 | 48 | 6.428 | 5.431 | 8.968 | |
| 5260 | 52 | 5.937 | 5.117 | 8.557 | |
| 5300 | 60 | 5.946 | 5.012 | 8.514 | |
| 5320 | 64 | 5.900 | 5.054 | 8.508 | |
| 5500 | 100 | 2.959 | 2.515 | 5.753 | |
| 5600 | 120 | 6.480 | 5.931 | 9.225 | |
| 5720 | 144 | 5.985 | 5.019 | 8.539 | |
| 5745 | 149 | 3.834 | 3.331 | 6.600 | 30 dBm/500kHz |
| 5785 | 157 | 3.786 | 3.249 | 6.536 | |
| 5825 | 165 | 3.992 | 3.038 | 6.552 | |

| 802.11n(40MHz) Mode | | ANT 1 Measured Power(dBm) + Duty Cycle Factor (dB) | ANT 2 Measured Power(dBm) + Duty Cycle Factor (dB) | MIMO Result (dBm) | Limit (dBm) |
|---------------------|-------------|---|---|----------------------|-------------------|
| Frequency [MHz] | Channel No. | | | | |
| 5190 | 38 | 0.046 | -0.689 | 2.704 | 11 dBm/MHz |
| 5230 | 46 | 3.280 | 1.991 | 5.693 | |
| 5270 | 54 | 2.507 | 1.209 | 4.917 | |
| 5310 | 62 | 0.467 | -0.783 | 2.897 | |
| 5510 | 102 | -2.941 | -4.416 | -0.606 | |
| 5590 | 118 | 3.282 | 2.508 | 5.923 | |
| 5710 | 142 | 2.544 | 1.490 | 5.059 | |
| 5755 | 151 | -0.114 | -1.225 | 2.376 | 30 dBm /500kHz |
| 5795 | 159 | -0.103 | -1.122 | 2.428 | |

| 802.11ac(20MHz) Mode | | ANT 1 Measured Power(dBm) + Duty Cycle Factor (dB) | ANT 2 Measured Power(dBm) + Duty Cycle Factor (dB) | MIMO Result (dBm) | Limit (dBm) |
|----------------------|-------------|---|---|----------------------|------------------|
| Frequency [MHz] | Channel No. | | | | |
| 5180 | 36 | 6.260 | 5.508 | 8.911 | 11 dBm/MHz |
| 5200 | 40 | 6.496 | 5.438 | 9.009 | |
| 5240 | 48 | 6.113 | 5.336 | 8.752 | |
| 5260 | 52 | 6.038 | 4.862 | 8.500 | |
| 5300 | 60 | 6.246 | 4.788 | 8.588 | |
| 5320 | 64 | 6.201 | 4.969 | 8.639 | |
| 5500 | 100 | 3.008 | 2.688 | 5.861 | |
| 5600 | 120 | 6.501 | 6.065 | 9.299 | |
| 5720 | 144 | 5.897 | 4.898 | 8.436 | |
| 5745 | 149 | 4.272 | 2.856 | 6.632 | 30 dBm/500kHz |
| 5785 | 157 | 4.231 | 2.998 | 6.668 | |
| 5825 | 165 | 4.329 | 2.825 | 6.652 | |

| 802.11ac(40MHz) Mode | | ANT 1 Measured Power(dBm) + Duty Cycle Factor (dB) | ANT 2 Measured Power(dBm) + Duty Cycle Factor (dB) | MIMO Result (dBm) | Limit (dBm) |
|----------------------|-------------|---|---|----------------------|----------------|
| Frequency [MHz] | Channel No. | | | | |
| 5190 | 38 | 0.139 | -0.575 | 2.807 | 11 dBm/MHz |
| 5230 | 46 | 2.994 | 2.298 | 5.670 | |
| 5270 | 54 | 2.870 | 1.666 | 5.319 | |
| 5310 | 62 | 0.659 | -0.401 | 3.171 | |
| 5510 | 102 | -2.864 | -4.034 | -0.400 | |
| 5590 | 118 | 3.185 | 2.920 | 6.064 | |
| 5710 | 142 | 2.595 | 1.832 | 5.240 | |
| 5755 | 151 | -0.012 | -0.696 | 2.669 | 30 dBm |
| 5795 | 159 | 0.070 | -0.461 | 2.823 | /500kHz |

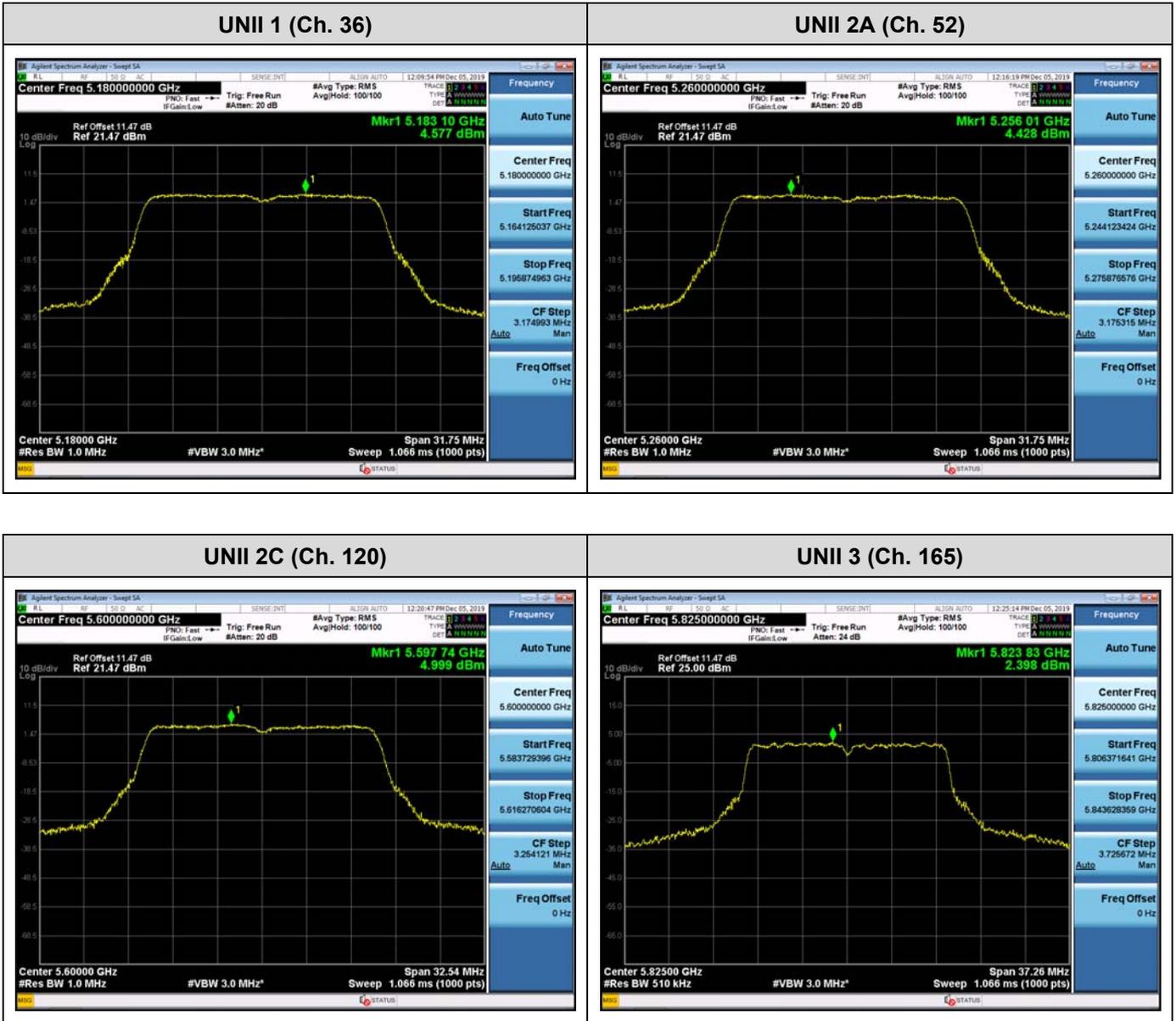
| 802.11ac(80MHz) Mode | | ANT 1 Measured Power(dBm) + Duty Cycle Factor (dB) | ANT 2 Measured Power(dBm) + Duty Cycle Factor (dB) | MIMO Result (dBm) | Limit (dBm) |
|----------------------|-------------|---|---|----------------------|-------------------|
| Frequency [MHz] | Channel No. | | | | |
| 5210 | 42 | -2.554 | -3.356 | 0.074 | 11 dBm/MHz |
| 5290 | 58 | -2.454 | -3.497 | 0.066 | |
| 5530 | 106 | -6.219 | -6.938 | -3.553 | |
| 5610 | 122 | -0.932 | -1.028 | 2.031 | |
| 5690 | 138 | -1.775 | -2.073 | 1.089 | |
| 5775 | 155 | -3.359 | -4.573 | -0.913 | 30 dBm/ 500kHz |

[ANT1]

☑ Test Plots(802.11a)

Note:

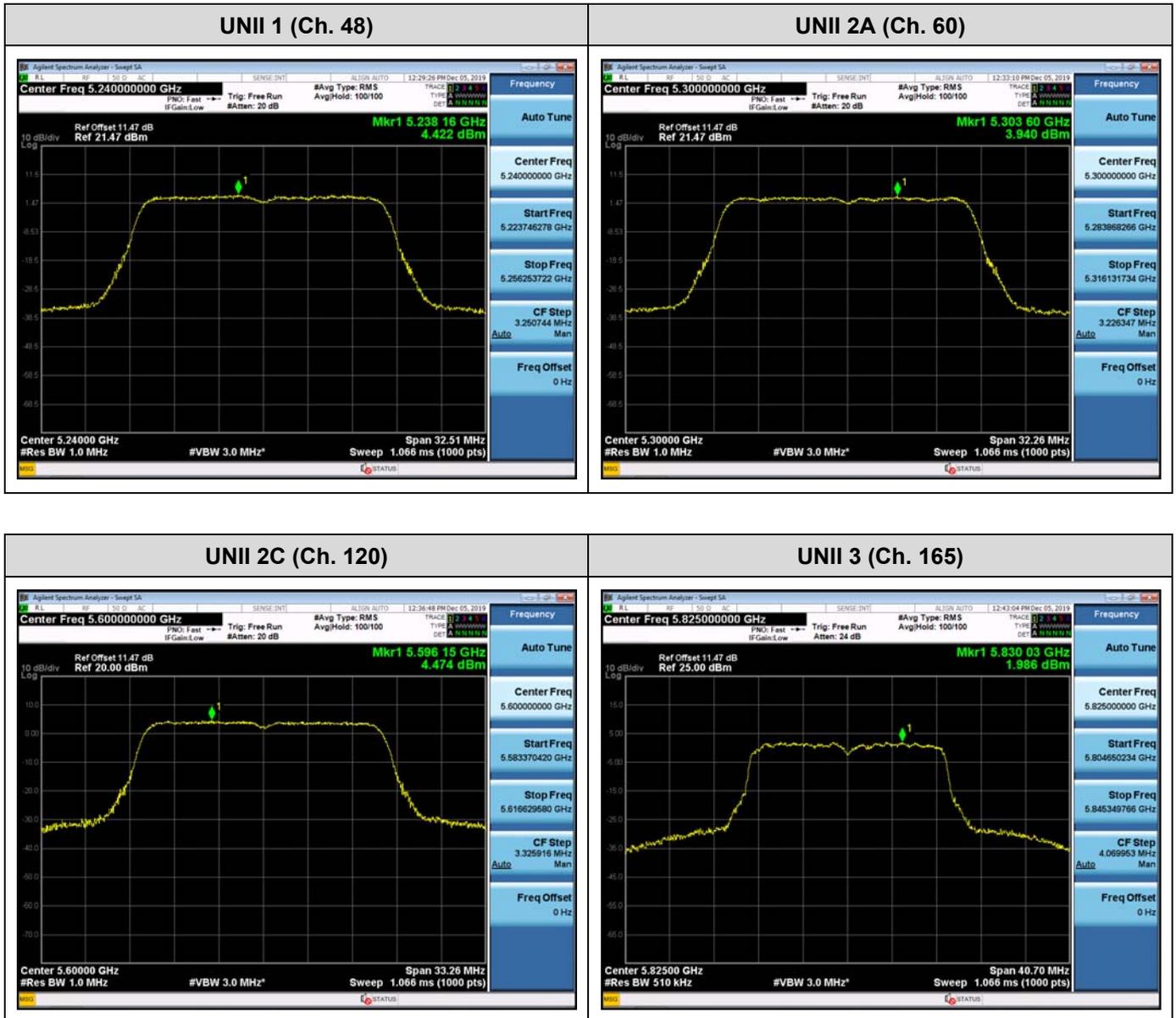
In order to simplify the report, attached plots were only channel of highest power.



Test Plots(802.11n(HT20))

Note:

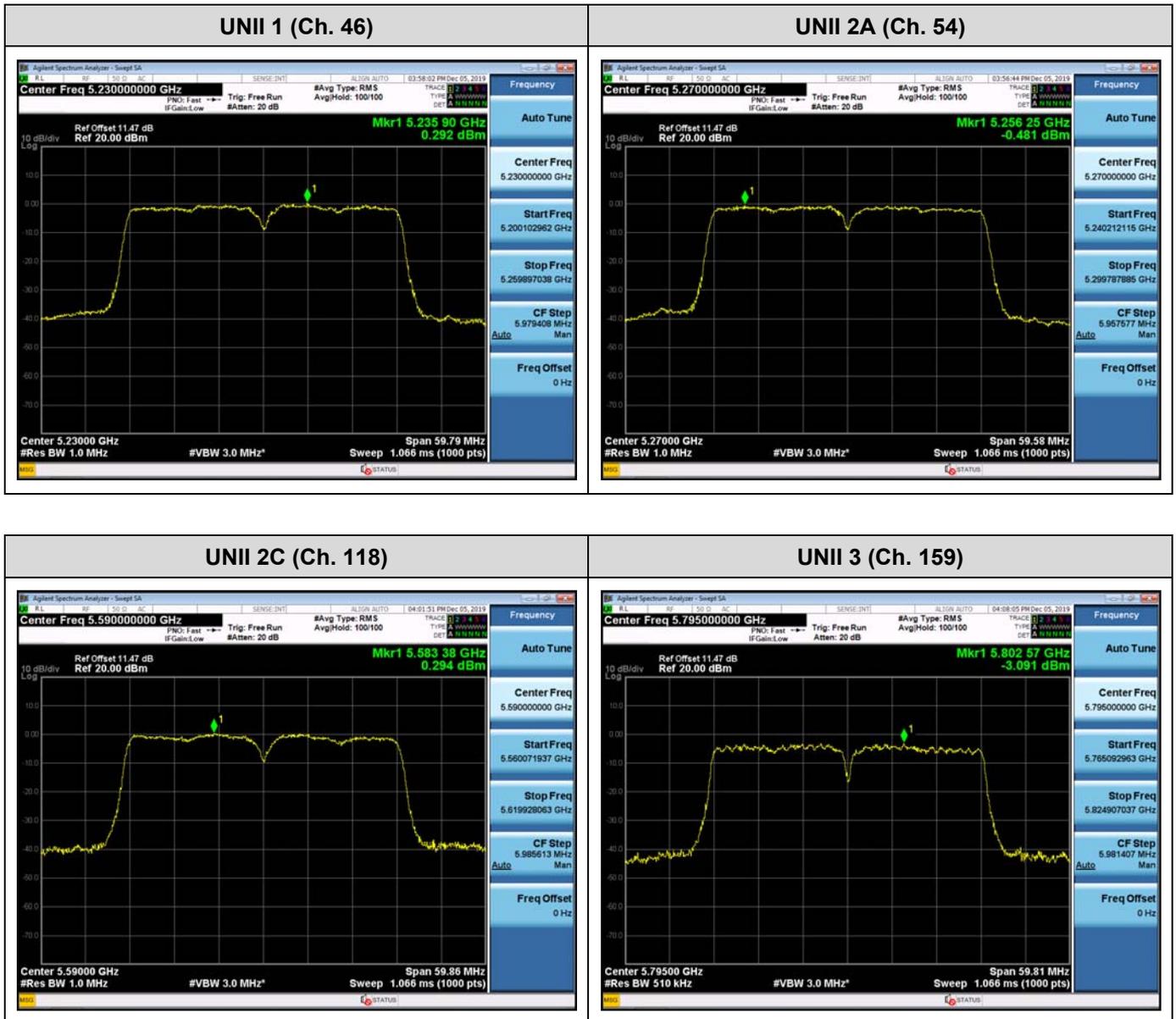
In order to simplify the report, attached plots were only channel of highest power.



☐ Test Plots(802.11n(HT40))

Note:

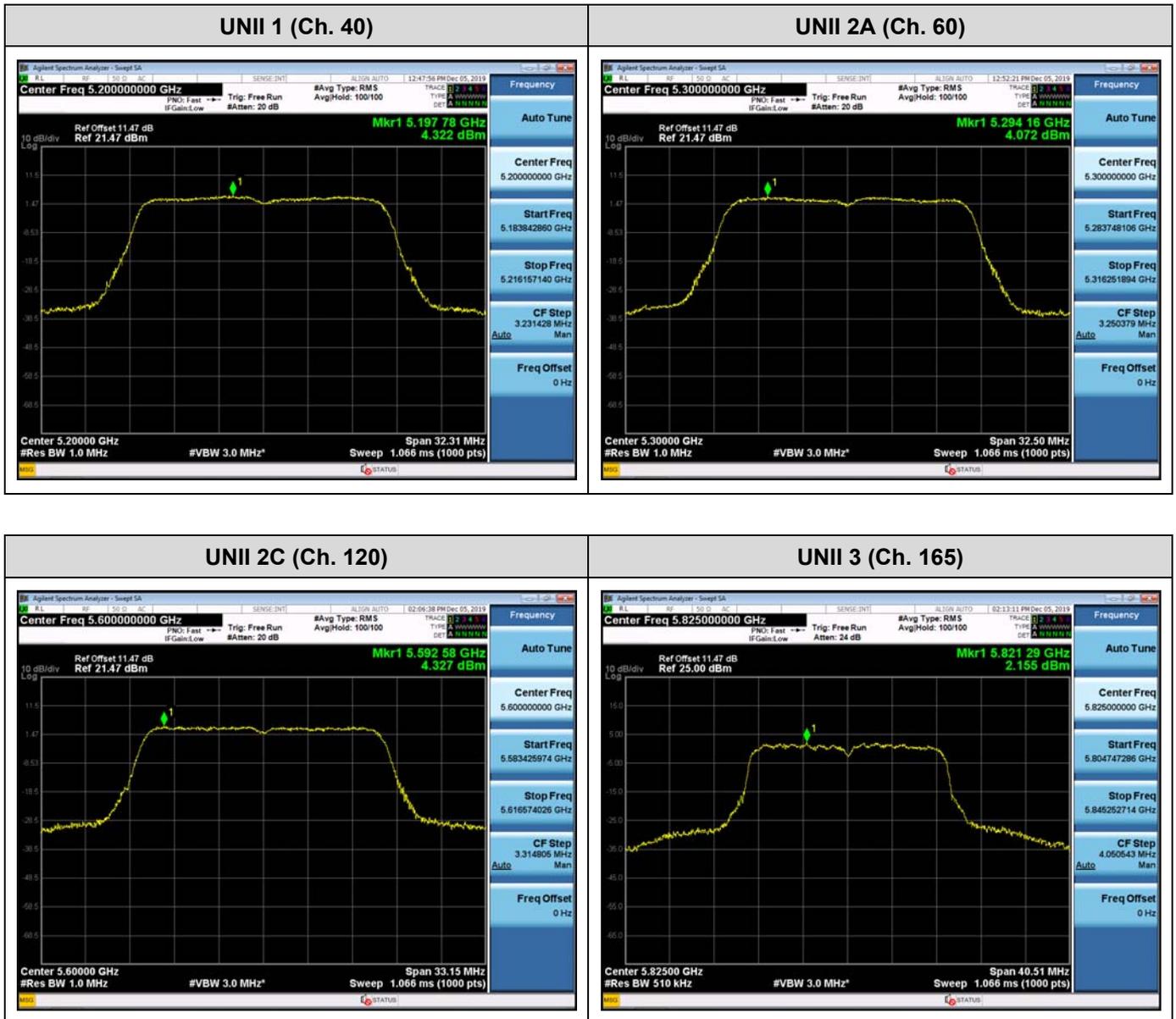
In order to simplify the report, attached plots were only channel of highest power.



☐ Test Plots(802.11ac(VHT20))

Note:

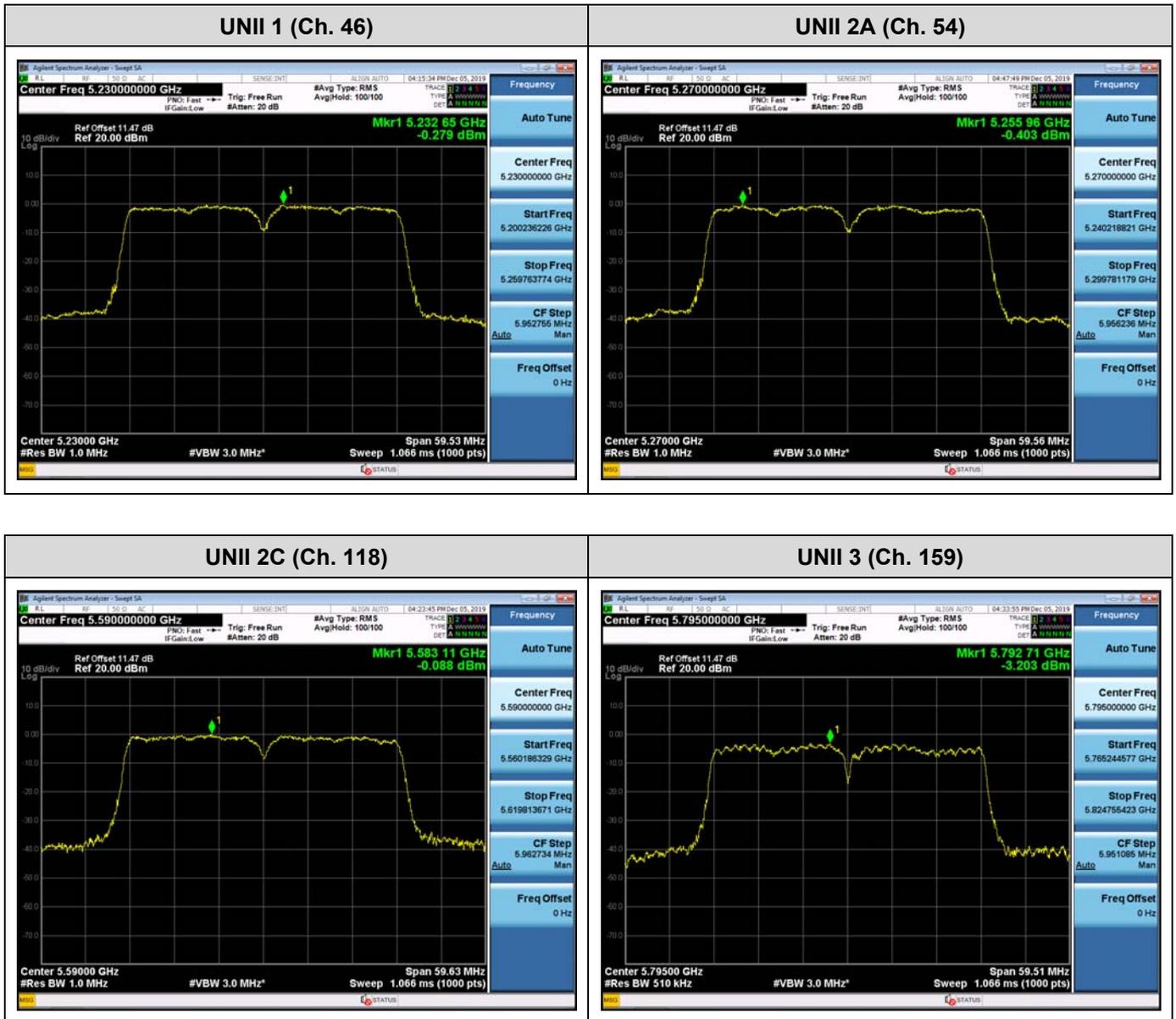
In order to simplify the report, attached plots were only channel of highest power.



☐ Test Plots(802.11ac(VHT40))

Note:

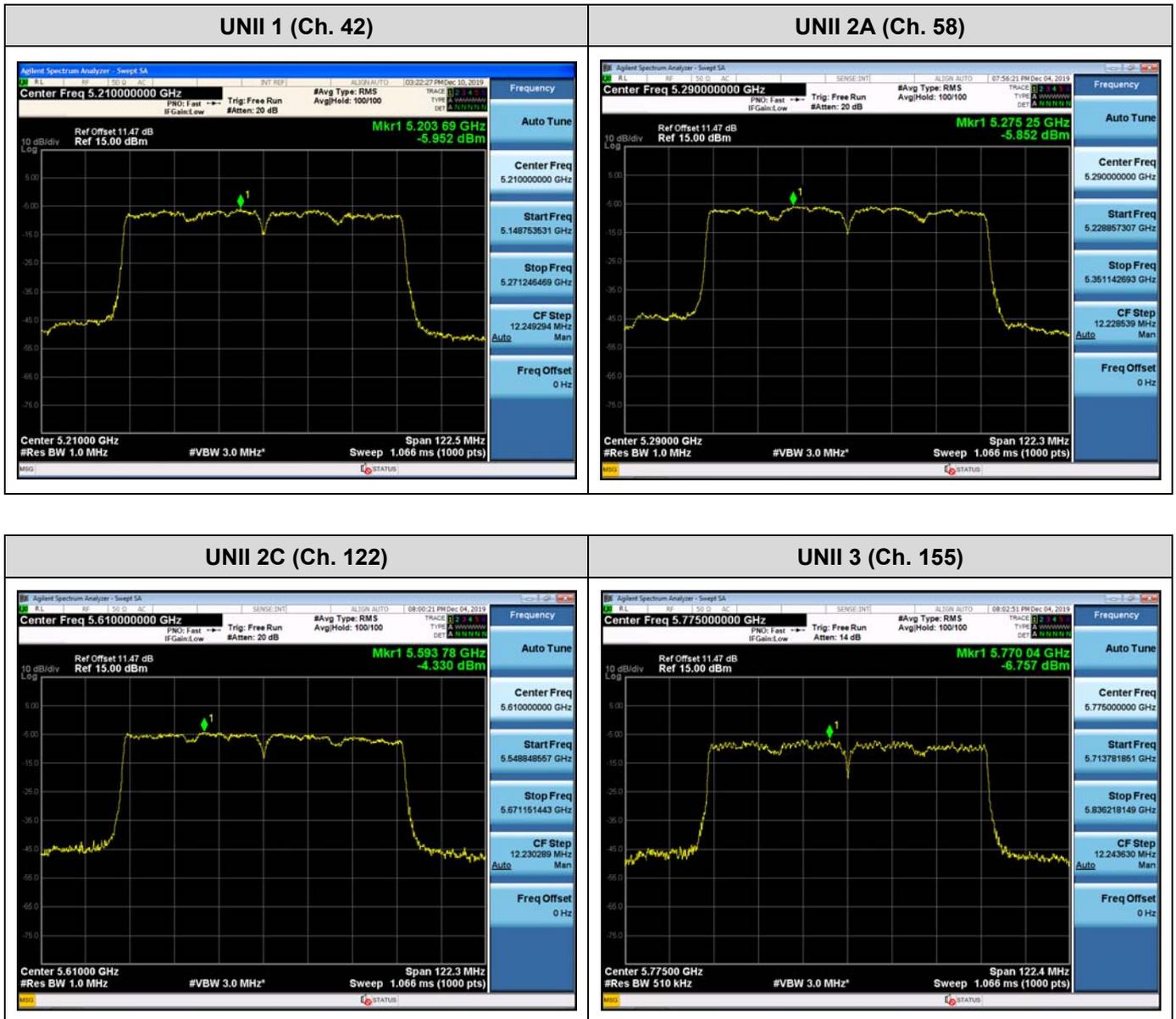
In order to simplify the report, attached plots were only channel of highest power.



☐ Test Plots(802.11ac(VHT80))

Note:

In order to simplify the report, attached plots were only channel of highest power.

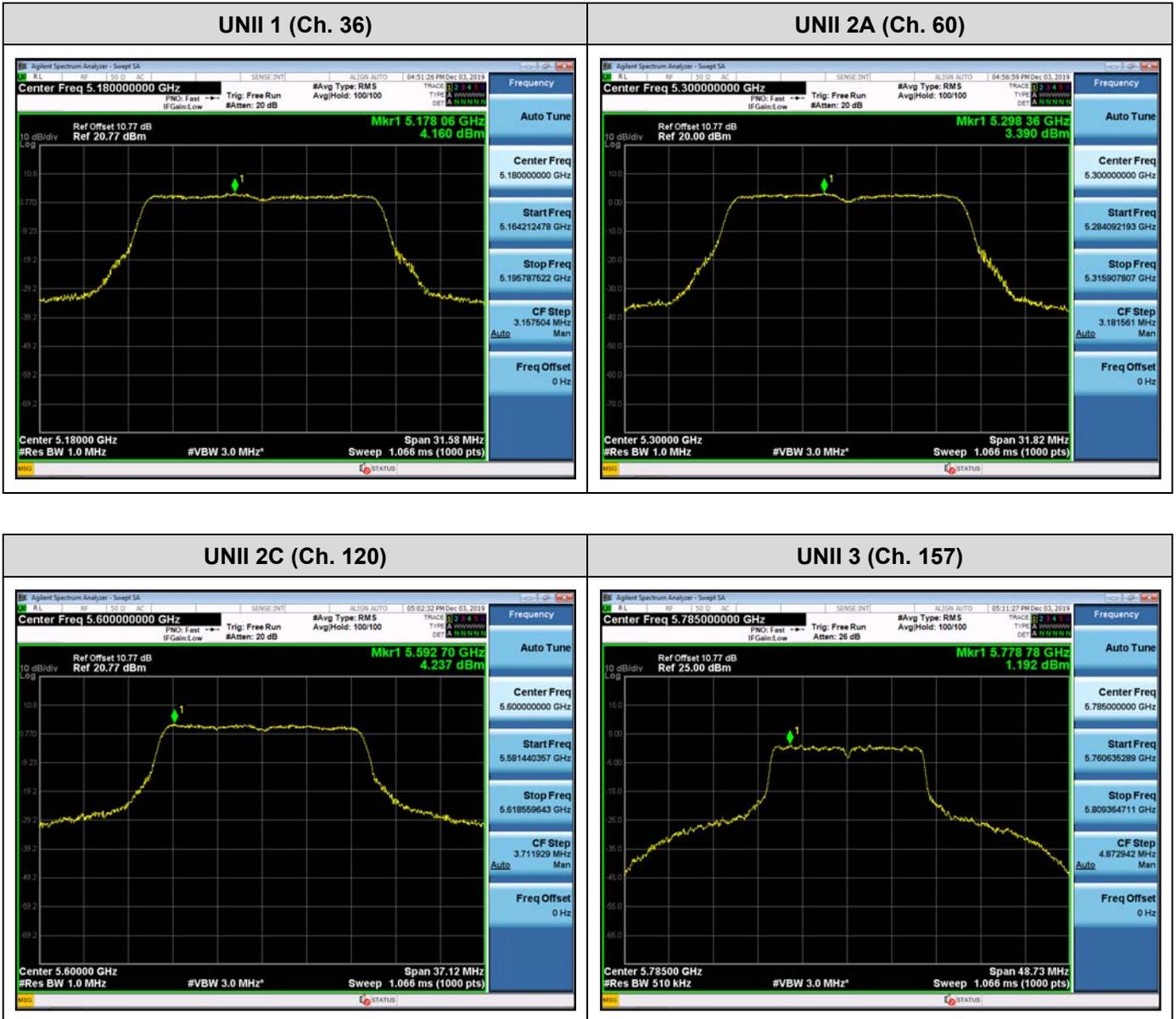


[ANT2]

☑ Test Plots(802.11a)

Note:

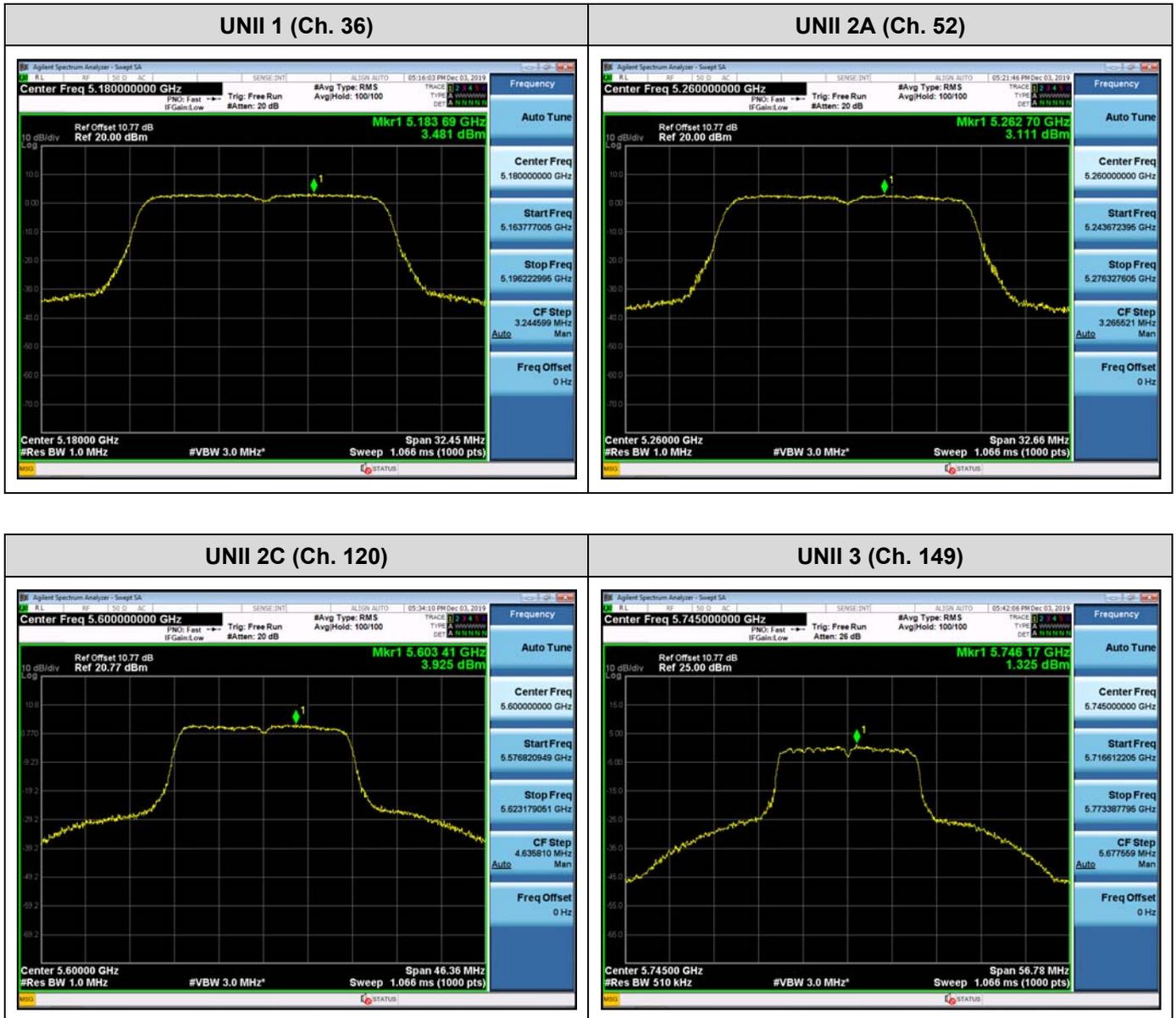
In order to simplify the report, attached plots were only channel of highest power.



Test Plots(802.11n(HT20))

Note:

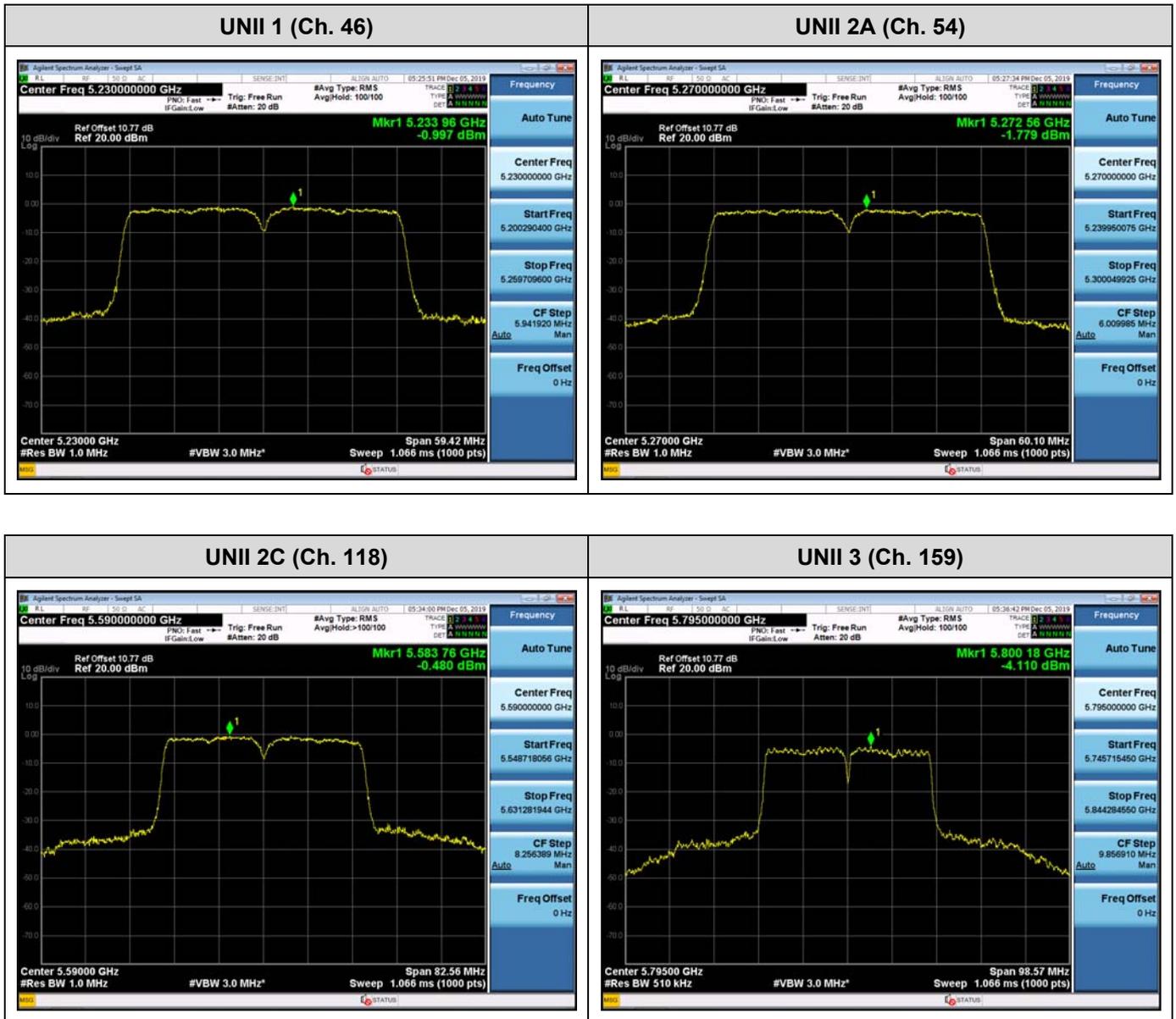
In order to simplify the report, attached plots were only channel of highest power.



☐ Test Plots(802.11n(HT40))

Note:

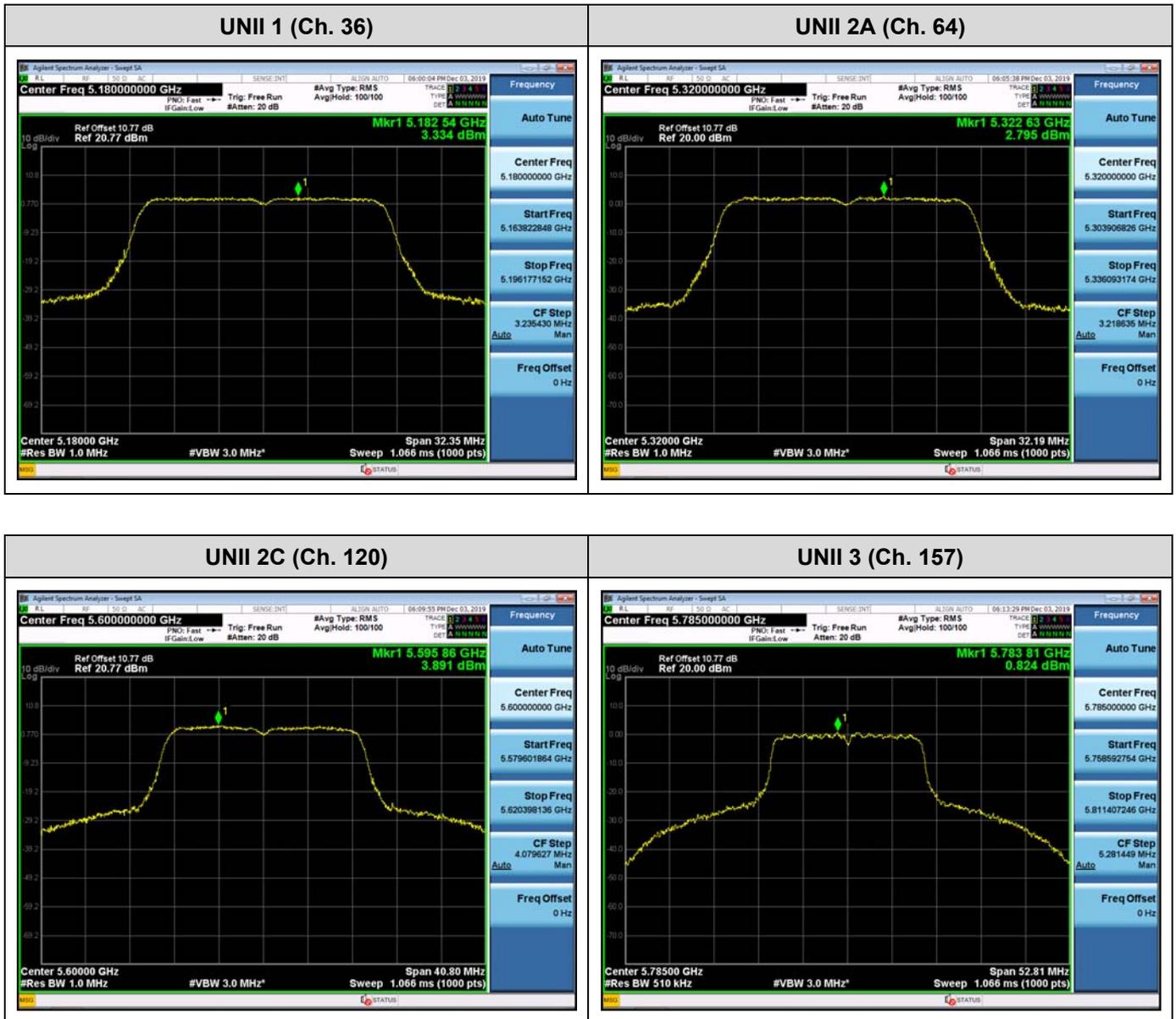
In order to simplify the report, attached plots were only channel of highest power.



☐ Test Plots(802.11ac(VHT20))

Note:

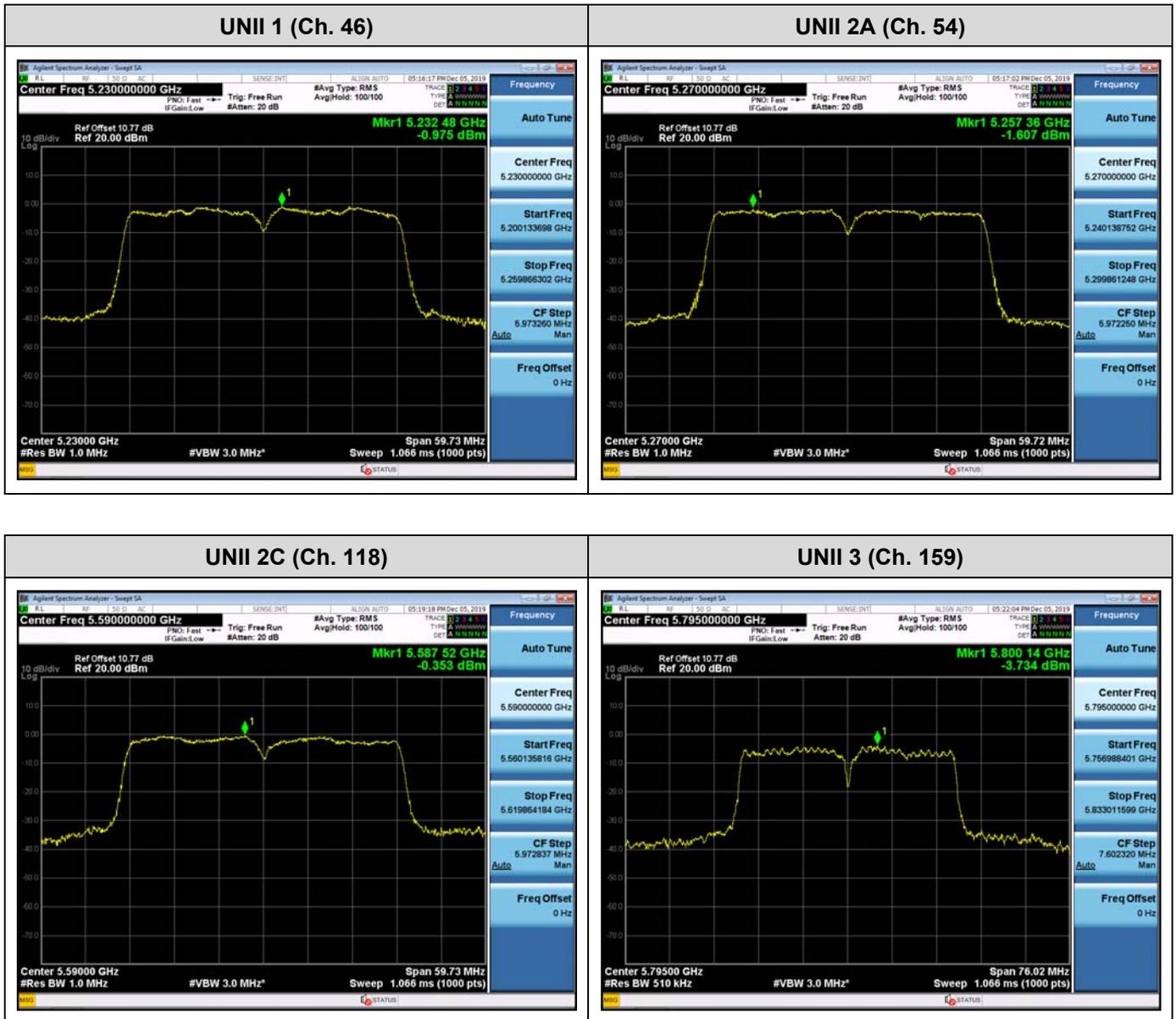
In order to simplify the report, attached plots were only channel of highest power.



☐ Test Plots(802.11ac(VHT40))

Note:

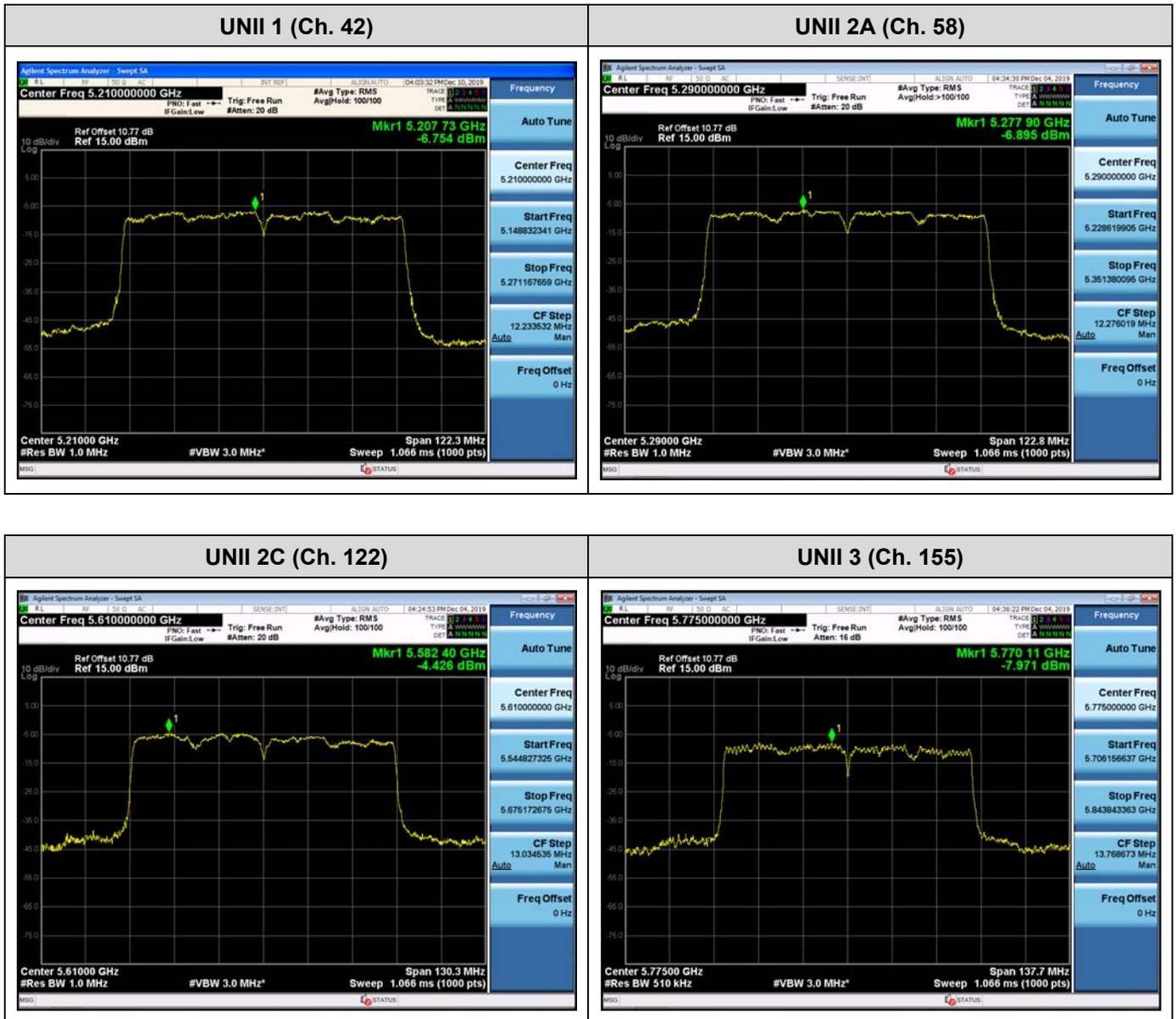
In order to simplify the report, attached plots were only channel of highest power.



☐ Test Plots(802.11ac(VHT80))

Note:

In order to simplify the report, attached plots were only channel of highest power.



10.6 FREQUENCY STABILITY.

10.6.1 80MHz BW

[ANT1]

Startup after the EUT is energized

OPERATING BAND: UNII Band 1
 OPERATING FREQUENCY: 5,210,000,000 Hz
 CHANNEL: 42
 REFERENCE VOLTAGE: 3.86 VDC

| Voltage (%) | Power (VDC) | Temp. (°C) | Frequency (kHz) | Frequency Error (kHz) |
|-------------|-------------|------------|-----------------|-----------------------|
| 100% | 3.86 | +20(Ref) | 5210056.59 | 56.59 |
| 100% | | -30 | 5210052.64 | 52.64 |
| 100% | | -20 | 5210020.71 | 20.71 |
| 100% | | -10 | 5210073.46 | 73.46 |
| 100% | | 0 | 5210082.63 | 82.63 |
| 100% | | +10 | 5210020.77 | 20.77 |
| 100% | | +30 | 5210095.43 | 95.43 |
| 100% | | +40 | 5210035.74 | 35.74 |
| 100% | | +50 | 5210069.57 | 69.57 |
| End.Point | 3.40 | +20 | 5210024.97 | 24.97 |

Note:

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

OPERATING BAND: UNII Band 2A
 OPERATING FREQUENCY: 5,290,000,000 Hz
 CHANNEL: 58
 REFERENCE VOLTAGE: 3.86 VDC

| Voltage (%) | Power (VDC) | Temp. (°C) | Frequency (kHz) | Frequency Error (kHz) |
|-------------|-------------|------------|-----------------|-----------------------|
| 100% | 3.86 | +20(Ref) | 5290084.72 | 84.72 |
| 100% | | -30 | 5290085.65 | 85.65 |
| 100% | | -20 | 5290008.04 | 8.04 |
| 100% | | -10 | 5290087.83 | 87.83 |
| 100% | | 0 | 5290047.19 | 47.19 |
| 100% | | +10 | 5290047.43 | 47.43 |
| 100% | | +30 | 5290094.64 | 94.64 |
| 100% | | +40 | 5290011.88 | 11.88 |
| 100% | | +50 | 5290082.70 | 82.70 |
| End.Point | 3.40 | +20 | 5290016.18 | 16.18 |

Note:

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

OPERATING BAND: UNII Band 2C
 OPERATING FREQUENCY: 5,530,000,000 Hz
 CHANNEL: 106
 REFERENCE VOLTAGE: 3.86 VDC

| Voltage (%) | Power (VDC) | Temp. (°C) | Frequency (kHz) | Frequency Error (kHz) |
|-------------|-------------|------------|-----------------|-----------------------|
| 100% | 3.86 | +20(Ref) | 5530083.28 | 83.28 |
| 100% | | -30 | 5530012.63 | 12.63 |
| 100% | | -20 | 5530075.98 | 75.98 |
| 100% | | -10 | 5530022.47 | 22.47 |
| 100% | | 0 | 5530090.75 | 90.75 |
| 100% | | +10 | 5530026.42 | 26.42 |
| 100% | | +30 | 5530014.77 | 14.77 |
| 100% | | +40 | 5530037.51 | 37.51 |
| 100% | | +50 | 5530062.41 | 62.41 |
| End.Point | 3.40 | +20 | 5530063.55 | 63.55 |

Note:

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

OPERATING BAND: UNII Band 3
 OPERATING FREQUENCY: 5,775,000,000 Hz
 CHANNEL: 155
 REFERENCE VOLTAGE: 3.86 VDC

| Voltage (%) | Power (VDC) | Temp. (°C) | Frequency (kHz) | Frequency Error (kHz) |
|-------------|-------------|------------|-----------------|-----------------------|
| 100% | 3.86 | +20(Ref) | 5775076.76 | 76.76 |
| 100% | | -30 | 5775029.32 | 29.32 |
| 100% | | -20 | 5775057.83 | 57.83 |
| 100% | | -10 | 5775036.44 | 36.44 |
| 100% | | 0 | 5775081.23 | 81.23 |
| 100% | | +10 | 5775013.80 | 13.80 |
| 100% | | +30 | 5775005.74 | 5.74 |
| 100% | | +40 | 5775081.81 | 81.81 |
| 100% | | +50 | 5775096.65 | 96.65 |
| End.Point | 3.40 | +20 | 5775006.60 | 6.60 |

Note:

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

2 minutes after the EUT is energized

OPERATING BAND: UNII Band 1
 OPERATING FREQUENCY: 5,210,000,000 Hz
 CHANNEL: 42
 REFERENCE VOLTAGE: 3.86 VDC

| Voltage (%) | Power (VDC) | Temp. (°C) | Frequency (kHz) | Frequency Error (kHz) |
|-------------|-------------|------------|-----------------|-----------------------|
| 100% | 3.86 | +20(Ref) | 5210042.81 | 42.81 |
| 100% | | -30 | 5210045.27 | 45.27 |
| 100% | | -20 | 5210094.89 | 94.89 |
| 100% | | -10 | 5210022.73 | 22.73 |
| 100% | | 0 | 5210028.46 | 28.46 |
| 100% | | +10 | 5210054.21 | 54.21 |
| 100% | | +30 | 5210067.99 | 67.99 |
| 100% | | +40 | 5210034.05 | 34.05 |
| 100% | | +50 | 5210073.81 | 73.81 |
| End.Point | 3.40 | +20 | 5210060.48 | 60.48 |

Note:

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

OPERATING BAND: UNII Band 2A
 OPERATING FREQUENCY: 5,290,000,000 Hz
 CHANNEL: 58
 REFERENCE VOLTAGE: 3.86 VDC

| Voltage (%) | Power (VDC) | Temp. (°C) | Frequency (kHz) | Frequency Error (kHz) |
|-------------|-------------|------------|-----------------|-----------------------|
| 100% | 3.86 | +20(Ref) | 5290016.38 | 16.38 |
| 100% | | -30 | 5290014.03 | 14.03 |
| 100% | | -20 | 5290048.03 | 48.03 |
| 100% | | -10 | 5290018.44 | 18.44 |
| 100% | | 0 | 5290060.90 | 60.90 |
| 100% | | +10 | 5290001.45 | 1.45 |
| 100% | | +30 | 5290071.46 | 71.46 |
| 100% | | +40 | 5290013.17 | 13.17 |
| 100% | | +50 | 5290074.83 | 74.83 |
| End.Point | 3.40 | +20 | 5290014.78 | 14.78 |

Note:

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

OPERATING BAND: UNII Band 2C
 OPERATING FREQUENCY: 5,530,000,000 Hz
 CHANNEL: 106
 REFERENCE VOLTAGE: 3.86 VDC

| Voltage (%) | Power (VDC) | Temp. (°C) | Frequency (kHz) | Frequency Error (kHz) |
|-------------|-------------|------------|-----------------|-----------------------|
| 100% | 3.86 | +20(Ref) | 5530075.02 | 75.02 |
| 100% | | -30 | 5530007.16 | 7.16 |
| 100% | | -20 | 5530037.83 | 37.83 |
| 100% | | -10 | 5530047.76 | 47.76 |
| 100% | | 0 | 5530051.76 | 51.76 |
| 100% | | +10 | 5530069.96 | 69.96 |
| 100% | | +30 | 5530085.32 | 85.32 |
| 100% | | +40 | 5530012.70 | 12.7 |
| 100% | | +50 | 5530033.19 | 33.19 |
| End.Point | 3.40 | +20 | 5530086.31 | 86.31 |

Note:

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

OPERATING BAND: UNII Band 3
 OPERATING FREQUENCY: 5,775,000,000 Hz
 CHANNEL: 155
 REFERENCE VOLTAGE: 3.86 VDC

| Voltage (%) | Power (VDC) | Temp. (°C) | Frequency (kHz) | Frequency Error (kHz) |
|-------------|-------------|------------|-----------------|-----------------------|
| 100% | 3.86 | +20(Ref) | 5775017.26 | 17.26 |
| 100% | | -30 | 5775020.33 | 20.33 |
| 100% | | -20 | 5775051.25 | 51.25 |
| 100% | | -10 | 5775051.70 | 51.7 |
| 100% | | 0 | 5775046.14 | 46.14 |
| 100% | | +10 | 5775095.55 | 95.55 |
| 100% | | +30 | 5775092.27 | 92.27 |
| 100% | | +40 | 5775010.81 | 10.81 |
| 100% | | +50 | 5775042.81 | 42.81 |
| End.Point | 3.40 | +20 | 5775026.53 | 26.53 |

Note:

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

5 minutes after the EUT is energized

OPERATING BAND: UNII Band 1
 OPERATING FREQUENCY: 5,210,000,000 Hz
 CHANNEL: 42
 REFERENCE VOLTAGE: 3.86 VDC

| Voltage (%) | Power (VDC) | Temp. (°C) | Frequency (kHz) | Frequency Error (kHz) |
|-------------|-------------|------------|-----------------|-----------------------|
| 100% | 3.86 | +20(Ref) | 5210096.29 | 96.29 |
| 100% | | -30 | 5210007.68 | 7.68 |
| 100% | | -20 | 5210005.35 | 5.35 |
| 100% | | -10 | 5210059.78 | 59.78 |
| 100% | | 0 | 5210049.95 | 49.95 |
| 100% | | +10 | 5210017.08 | 17.08 |
| 100% | | +30 | 5210062.55 | 62.55 |
| 100% | | +40 | 5210049.46 | 49.46 |
| 100% | | +50 | 5210062.64 | 62.64 |
| End.Point | 3.40 | +20 | 5210056.76 | 56.76 |

Note:

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

OPERATING BAND: UNII Band 2A
 OPERATING FREQUENCY: 5,290,000,000 Hz
 CHANNEL: 58
 REFERENCE VOLTAGE: 3.86 VDC

| Voltage (%) | Power (VDC) | Temp. (°C) | Frequency (kHz) | Frequency Error (kHz) |
|-------------|-------------|------------|-----------------|-----------------------|
| 100% | 3.86 | +20(Ref) | 5290069.40 | 69.40 |
| 100% | | -30 | 5290024.84 | 24.84 |
| 100% | | -20 | 5290049.31 | 49.31 |
| 100% | | -10 | 5290086.17 | 86.17 |
| 100% | | 0 | 5290089.26 | 89.26 |
| 100% | | +10 | 5290049.94 | 49.94 |
| 100% | | +30 | 5290044.68 | 44.68 |
| 100% | | +40 | 5290084.11 | 84.11 |
| 100% | | +50 | 5290059.30 | 59.30 |
| End.Point | 3.40 | +20 | 5290025.74 | 25.74 |

Note:

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

OPERATING BAND: UNII Band 2C
 OPERATING FREQUENCY: 5,530,000,000 Hz
 CHANNEL: 106
 REFERENCE VOLTAGE: 3.86 VDC

| Voltage (%) | Power (VDC) | Temp. (°C) | Frequency (kHz) | Frequency Error (kHz) |
|-------------|-------------|------------|-----------------|-----------------------|
| 100% | 3.86 | +20(Ref) | 5530035.06 | 35.06 |
| 100% | | -30 | 5530008.92 | 8.92 |
| 100% | | -20 | 5530058.40 | 58.4 |
| 100% | | -10 | 5530047.90 | 47.9 |
| 100% | | 0 | 5530012.18 | 12.18 |
| 100% | | +10 | 5530067.77 | 67.77 |
| 100% | | +30 | 5530027.02 | 27.02 |
| 100% | | +40 | 5530062.30 | 62.3 |
| 100% | | +50 | 5530068.04 | 68.04 |
| End.Point | 3.40 | +20 | 5530025.09 | 25.09 |

Note:

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

OPERATING BAND: UNII Band 3
 OPERATING FREQUENCY: 5,775,000,000 Hz
 CHANNEL: 155
 REFERENCE VOLTAGE: 3.86 VDC

| Voltage (%) | Power (VDC) | Temp. (°C) | Frequency (kHz) | Frequency Error (kHz) |
|-------------|-------------|------------|-----------------|-----------------------|
| 100% | 3.86 | +20(Ref) | 5775070.83 | 70.83 |
| 100% | | -30 | 5775096.31 | 96.31 |
| 100% | | -20 | 5775035.95 | 35.95 |
| 100% | | -10 | 5775038.67 | 38.67 |
| 100% | | 0 | 5775024.69 | 24.69 |
| 100% | | +10 | 5775042.06 | 42.06 |
| 100% | | +30 | 5775021.09 | 21.09 |
| 100% | | +40 | 5775031.10 | 31.10 |
| 100% | | +50 | 5775029.61 | 29.61 |
| End.Point | 3.40 | +20 | 5775059.85 | 59.85 |

Note:

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

10 minutes after the EUT is energized

OPERATING BAND: UNII Band 1
 OPERATING FREQUENCY: 5,210,000,000 Hz
 CHANNEL: 42
 REFERENCE VOLTAGE: 3.86 VDC

| Voltage (%) | Power (VDC) | Temp. (°C) | Frequency (kHz) | Frequency Error (kHz) |
|-------------|-------------|------------|-----------------|-----------------------|
| 100% | 3.86 | +20(Ref) | 5210028.65 | 28.65 |
| 100% | | -30 | 5210087.74 | 87.74 |
| 100% | | -20 | 5210066.29 | 66.29 |
| 100% | | -10 | 5210088.86 | 88.86 |
| 100% | | 0 | 5210071.83 | 71.83 |
| 100% | | +10 | 5210075.95 | 75.95 |
| 100% | | +30 | 5210092.95 | 92.95 |
| 100% | | +40 | 5210026.09 | 26.09 |
| 100% | | +50 | 5210090.66 | 90.66 |
| End.Point | 3.40 | +20 | 5210079.78 | 79.78 |

Note:

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

OPERATING BAND: UNII Band 2A
 OPERATING FREQUENCY: 5,290,000,000 Hz
 CHANNEL: 58
 REFERENCE VOLTAGE: 3.86 VDC

| Voltage (%) | Power (VDC) | Temp. (°C) | Frequency (kHz) | Frequency Error (kHz) |
|-------------|-------------|------------|-----------------|-----------------------|
| 100% | 3.86 | +20(Ref) | 5290039.84 | 39.84 |
| 100% | | -30 | 5290096.18 | 96.18 |
| 100% | | -20 | 5290028.30 | 28.3 |
| 100% | | -10 | 5290052.04 | 52.04 |
| 100% | | 0 | 5290009.42 | 9.42 |
| 100% | | +10 | 5290080.20 | 80.2 |
| 100% | | +30 | 5290085.50 | 85.5 |
| 100% | | +40 | 5290001.34 | 1.34 |
| 100% | | +50 | 5290028.39 | 28.39 |
| End.Point | 3.40 | +20 | 5290036.80 | 36.8 |

Note:

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

OPERATING BAND: UNII Band 2C
 OPERATING FREQUENCY: 5,530,000,000 Hz
 CHANNEL: 106
 REFERENCE VOLTAGE: 3.86 VDC

| Voltage (%) | Power (VDC) | Temp. (°C) | Frequency (kHz) | Frequency Error (kHz) |
|-------------|-------------|------------|-----------------|-----------------------|
| 100% | 3.86 | +20(Ref) | 5530082.91 | 82.91 |
| 100% | | -30 | 5530058.72 | 58.72 |
| 100% | | -20 | 5530021.55 | 21.55 |
| 100% | | -10 | 5530077.53 | 77.53 |
| 100% | | 0 | 5530029.38 | 29.38 |
| 100% | | +10 | 5530016.08 | 16.08 |
| 100% | | +30 | 5530056.64 | 56.64 |
| 100% | | +40 | 5530092.84 | 92.84 |
| 100% | | +50 | 5530010.81 | 10.81 |
| End.Point | 3.40 | +20 | 5530098.08 | 98.08 |

Note:

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

OPERATING BAND: UNII Band 3
 OPERATING FREQUENCY: 5,775,000,000 Hz
 CHANNEL: 155
 REFERENCE VOLTAGE: 3.86 VDC

| Voltage (%) | Power (VDC) | Temp. (°C) | Frequency (kHz) | Frequency Error (kHz) |
|-------------|-------------|------------|-----------------|-----------------------|
| 100% | 3.86 | +20(Ref) | 5775028.06 | 28.06 |
| 100% | | -30 | 5775057.27 | 57.27 |
| 100% | | -20 | 5775003.89 | 3.89 |
| 100% | | -10 | 5775013.17 | 13.17 |
| 100% | | 0 | 5775005.83 | 5.83 |
| 100% | | +10 | 5775082.81 | 82.81 |
| 100% | | +30 | 5775016.52 | 16.52 |
| 100% | | +40 | 5775038.75 | 38.75 |
| 100% | | +50 | 5775053.46 | 53.46 |
| End.Point | 3.40 | +20 | 5775083.88 | 83.88 |

Note:

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

[ANT2]

Startup after the EUT is energized

OPERATING BAND: UNII Band 1
 OPERATING FREQUENCY: 5,210,000,000 Hz
 CHANNEL: 42
 REFERENCE VOLTAGE: 3.86 VDC

| Voltage (%) | Power (VDC) | Temp. (°C) | Frequency (kHz) | Frequency Error (kHz) |
|-------------|-------------|------------|-----------------|-----------------------|
| 100% | 3.86 | +20(Ref) | 5210071.99 | 71.99 |
| 100% | | -30 | 5210007.10 | 7.10 |
| 100% | | -20 | 5210061.74 | 61.74 |
| 100% | | -10 | 5210035.37 | 35.37 |
| 100% | | 0 | 5210043.99 | 43.99 |
| 100% | | +10 | 5210062.75 | 62.75 |
| 100% | | +30 | 5210055.98 | 55.98 |
| 100% | | +40 | 5210072.70 | 72.70 |
| 100% | | +50 | 5210077.47 | 77.47 |
| End.Point | 3.40 | +20 | 5210072.42 | 72.42 |

Note:

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

OPERATING BAND: UNII Band 2A
 OPERATING FREQUENCY: 5,290,000,000 Hz
 CHANNEL: 58
 REFERENCE VOLTAGE: 3.86 VDC

| Voltage (%) | Power (VDC) | Temp. (°C) | Frequency (kHz) | Frequency Error (kHz) |
|-------------|-------------|------------|-----------------|-----------------------|
| 100% | 3.86 | +20(Ref) | 5290048.48 | 48.48 |
| 100% | | -30 | 5290082.22 | 82.22 |
| 100% | | -20 | 5290014.19 | 14.19 |
| 100% | | -10 | 5290063.34 | 63.34 |
| 100% | | 0 | 5290048.49 | 48.49 |
| 100% | | +10 | 5290047.64 | 47.64 |
| 100% | | +30 | 5290006.64 | 6.64 |
| 100% | | +40 | 5290061.84 | 61.84 |
| 100% | | +50 | 5290018.63 | 18.63 |
| End.Point | 3.40 | +20 | 5290055.23 | 55.23 |

Note:

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

OPERATING BAND: UNII Band 2C
 OPERATING FREQUENCY: 5,530,000,000 Hz
 CHANNEL: 106
 REFERENCE VOLTAGE: 3.86 VDC

| Voltage (%) | Power (VDC) | Temp. (°C) | Frequency (kHz) | Frequency Error (kHz) |
|-------------|-------------|------------|-----------------|-----------------------|
| 100% | 3.86 | +20(Ref) | 5530063.71 | 63.71 |
| 100% | | -30 | 5530034.24 | 34.24 |
| 100% | | -20 | 5530098.86 | 98.86 |
| 100% | | -10 | 5530055.60 | 55.60 |
| 100% | | 0 | 5530084.10 | 84.10 |
| 100% | | +10 | 5530077.99 | 77.99 |
| 100% | | +30 | 5530096.50 | 96.50 |
| 100% | | +40 | 5530025.78 | 25.78 |
| 100% | | +50 | 5530055.69 | 55.69 |
| End.Point | 3.40 | +20 | 5530021.10 | 21.10 |

Note:

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

OPERATING BAND: UNII Band 3
 OPERATING FREQUENCY: 5,775,000,000 Hz
 CHANNEL: 155
 REFERENCE VOLTAGE: 3.86 VDC

| Voltage (%) | Power (VDC) | Temp. (°C) | Frequency (kHz) | Frequency Error (kHz) |
|-------------|-------------|------------|-----------------|-----------------------|
| 100% | 3.86 | +20(Ref) | 5775030.30 | 30.30 |
| 100% | | -30 | 5775059.27 | 59.27 |
| 100% | | -20 | 5775089.19 | 89.19 |
| 100% | | -10 | 5775021.02 | 21.02 |
| 100% | | 0 | 5775092.61 | 92.61 |
| 100% | | +10 | 5775007.06 | 7.06 |
| 100% | | +30 | 5775080.29 | 80.29 |
| 100% | | +40 | 5775028.99 | 28.99 |
| 100% | | +50 | 5775008.98 | 8.98 |
| End.Point | 3.40 | +20 | 5775048.91 | 48.91 |

Note:

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

2 minutes after the EUT is energized

OPERATING BAND: UNII Band 1
 OPERATING FREQUENCY: 5,210,000,000 Hz
 CHANNEL: 42
 REFERENCE VOLTAGE: 3.86 VDC

| Voltage (%) | Power (VDC) | Temp. (°C) | Frequency (kHz) | Frequency Error (kHz) |
|-------------|-------------|------------|-----------------|-----------------------|
| 100% | 3.86 | +20(Ref) | 5210095.87 | 95.87 |
| 100% | | -30 | 5210041.85 | 41.85 |
| 100% | | -20 | 5210092.72 | 92.72 |
| 100% | | -10 | 5210002.42 | 2.42 |
| 100% | | 0 | 5210013.26 | 13.26 |
| 100% | | +10 | 5210092.90 | 92.90 |
| 100% | | +30 | 5210043.56 | 43.56 |
| 100% | | +40 | 5210068.60 | 68.60 |
| 100% | | +50 | 5210090.93 | 90.93 |
| End.Point | | 3.40 | +20 | 5210075.74 |

Note:

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

OPERATING BAND: UNII Band 2A
 OPERATING FREQUENCY: 5,290,000,000 Hz
 CHANNEL: 58
 REFERENCE VOLTAGE: 3.86 VDC

| Voltage (%) | Power (VDC) | Temp. (°C) | Frequency (kHz) | Frequency Error (kHz) |
|-------------|-------------|------------|-----------------|-----------------------|
| 100% | 3.86 | +20(Ref) | 5290088.98 | 88.98 |
| 100% | | -30 | 5290044.62 | 44.62 |
| 100% | | -20 | 5290068.52 | 68.52 |
| 100% | | -10 | 5290051.94 | 51.94 |
| 100% | | 0 | 5290006.85 | 6.85 |
| 100% | | +10 | 5290092.62 | 92.62 |
| 100% | | +30 | 5290043.38 | 43.38 |
| 100% | | +40 | 5290033.84 | 33.84 |
| 100% | | +50 | 5290076.69 | 76.69 |
| End.Point | 3.40 | +20 | 5290005.34 | 5.34 |

Note:

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

OPERATING BAND: UNII Band 2C
 OPERATING FREQUENCY: 5,530,000,000 Hz
 CHANNEL: 106
 REFERENCE VOLTAGE: 3.86 VDC

| Voltage (%) | Power (VDC) | Temp. (°C) | Frequency (kHz) | Frequency Error (kHz) |
|-------------|-------------|------------|-----------------|-----------------------|
| 100% | 3.86 | +20(Ref) | 5530003.16 | 3.16 |
| 100% | | -30 | 5530098.87 | 98.87 |
| 100% | | -20 | 5530078.50 | 78.5 |
| 100% | | -10 | 5530075.65 | 75.65 |
| 100% | | 0 | 5530097.79 | 97.79 |
| 100% | | +10 | 5530006.70 | 6.7 |
| 100% | | +30 | 5530079.54 | 79.54 |
| 100% | | +40 | 5530082.77 | 82.77 |
| 100% | | +50 | 5530019.80 | 19.80 |
| End.Point | 3.40 | +20 | 5530045.55 | 45.55 |

Note:

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

OPERATING BAND: UNII Band 3
 OPERATING FREQUENCY: 5,775,000,000 Hz
 CHANNEL: 155
 REFERENCE VOLTAGE: 3.86 VDC

| Voltage (%) | Power (VDC) | Temp. (°C) | Frequency (kHz) | Frequency Error (kHz) |
|-------------|-------------|------------|-----------------|-----------------------|
| 100% | 3.86 | +20(Ref) | 5775041.37 | 41.37 |
| 100% | | -30 | 5775062.77 | 62.77 |
| 100% | | -20 | 5775046.53 | 46.53 |
| 100% | | -10 | 5775064.69 | 64.69 |
| 100% | | 0 | 5775024.36 | 24.36 |
| 100% | | +10 | 5775096.42 | 96.42 |
| 100% | | +30 | 5775023.99 | 23.99 |
| 100% | | +40 | 5775006.67 | 6.67 |
| 100% | | +50 | 5775066.97 | 66.97 |
| End.Point | 3.40 | +20 | 5775075.77 | 75.77 |

Note:

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

5 minutes after the EUT is energized

OPERATING BAND: UNII Band 1
 OPERATING FREQUENCY: 5,210,000,000 Hz
 CHANNEL: 42
 REFERENCE VOLTAGE: 3.86 VDC

| Voltage (%) | Power (VDC) | Temp. (°C) | Frequency (kHz) | Frequency Error (kHz) |
|-------------|-------------|------------|-----------------|-----------------------|
| 100% | 3.86 | +20(Ref) | 5210074.73 | 74.73 |
| 100% | | -30 | 5210078.48 | 78.48 |
| 100% | | -20 | 5210098.13 | 98.13 |
| 100% | | -10 | 5210051.53 | 51.53 |
| 100% | | 0 | 5210049.71 | 49.71 |
| 100% | | +10 | 5210081.74 | 81.74 |
| 100% | | +30 | 5210003.52 | 3.52 |
| 100% | | +40 | 5210076.65 | 76.65 |
| 100% | | +50 | 5210069.31 | 69.31 |
| End.Point | 3.40 | +20 | 5210011.61 | 11.61 |

Note:

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

OPERATING BAND: UNII Band 2A
 OPERATING FREQUENCY: 5,290,000,000 Hz
 CHANNEL: 58
 REFERENCE VOLTAGE: 3.86 VDC

| Voltage (%) | Power (VDC) | Temp. (°C) | Frequency (kHz) | Frequency Error (kHz) |
|-------------|-------------|------------|-----------------|-----------------------|
| 100% | 3.86 | +20(Ref) | 5290018.92 | 18.92 |
| 100% | | -30 | 5290089.24 | 89.24 |
| 100% | | -20 | 5290079.15 | 79.15 |
| 100% | | -10 | 5290004.03 | 4.03 |
| 100% | | 0 | 5290001.72 | 1.72 |
| 100% | | +10 | 5290035.56 | 35.56 |
| 100% | | +30 | 5290065.41 | 65.41 |
| 100% | | +40 | 5290062.41 | 62.41 |
| 100% | | +50 | 5290065.50 | 65.50 |
| End.Point | 3.40 | +20 | 5290079.86 | 79.86 |

Note:

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

OPERATING BAND: UNII Band 2C
 OPERATING FREQUENCY: 5,530,000,000 Hz
 CHANNEL: 106
 REFERENCE VOLTAGE: 3.86 VDC

| Voltage (%) | Power (VDC) | Temp. (°C) | Frequency (kHz) | Frequency Error (kHz) |
|-------------|-------------|------------|-----------------|-----------------------|
| 100% | 3.86 | +20(Ref) | 5530053.51 | 53.51 |
| 100% | | -30 | 5530020.83 | 20.83 |
| 100% | | -20 | 5530008.18 | 8.18 |
| 100% | | -10 | 5530023.66 | 23.66 |
| 100% | | 0 | 5530089.79 | 89.79 |
| 100% | | +10 | 5530071.38 | 71.38 |
| 100% | | +30 | 5530057.73 | 57.73 |
| 100% | | +40 | 5530089.91 | 89.91 |
| 100% | | +50 | 5530052.55 | 52.55 |
| End.Point | 3.40 | +20 | 5530068.67 | 68.67 |

Note:

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

OPERATING BAND: UNII Band 3
 OPERATING FREQUENCY: 5,775,000,000 Hz
 CHANNEL: 155
 REFERENCE VOLTAGE: 3.86 VDC

| Voltage (%) | Power (VDC) | Temp. (°C) | Frequency (kHz) | Frequency Error (kHz) |
|-------------|-------------|------------|-----------------|-----------------------|
| 100% | 3.86 | +20(Ref) | 5775021.55 | 21.55 |
| 100% | | -30 | 5775009.59 | 9.59 |
| 100% | | -20 | 5775086.14 | 86.14 |
| 100% | | -10 | 5775059.63 | 59.63 |
| 100% | | 0 | 5775079.37 | 79.37 |
| 100% | | +10 | 5775058.08 | 58.08 |
| 100% | | +30 | 5775050.92 | 50.92 |
| 100% | | +40 | 5775054.24 | 54.24 |
| 100% | | +50 | 5775031.26 | 31.26 |
| End.Point | 3.40 | +20 | 5775024.10 | 24.10 |

Note:

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

10 minutes after the EUT is energized

OPERATING BAND: UNII Band 1
 OPERATING FREQUENCY: 5,210,000,000 Hz
 CHANNEL: 42
 REFERENCE VOLTAGE: 3.86 VDC

| Voltage (%) | Power (VDC) | Temp. (°C) | Frequency (kHz) | Frequency Error (kHz) |
|-------------|-------------|------------|-----------------|-----------------------|
| 100% | 3.86 | +20(Ref) | 5210065.75 | 65.75 |
| 100% | | -30 | 5210053.97 | 53.97 |
| 100% | | -20 | 5210047.39 | 47.39 |
| 100% | | -10 | 5210071.94 | 71.94 |
| 100% | | 0 | 5210069.66 | 69.66 |
| 100% | | +10 | 5210078.79 | 78.79 |
| 100% | | +30 | 5210029.23 | 29.23 |
| 100% | | +40 | 5210036.72 | 36.72 |
| 100% | | +50 | 5210063.75 | 63.75 |
| End.Point | 3.40 | +20 | 5210064.95 | 64.95 |

Note:

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

OPERATING BAND: UNII Band 2A
 OPERATING FREQUENCY: 5,290,000,000 Hz
 CHANNEL: 58
 REFERENCE VOLTAGE: 3.86 VDC

| Voltage (%) | Power (VDC) | Temp. (°C) | Frequency (kHz) | Frequency Error (kHz) |
|-------------|-------------|------------|-----------------|-----------------------|
| 100% | 3.86 | +20(Ref) | 5290028.22 | 28.22 |
| 100% | | -30 | 5290010.33 | 10.33 |
| 100% | | -20 | 5290025.56 | 25.56 |
| 100% | | -10 | 5290041.97 | 41.97 |
| 100% | | 0 | 5290053.81 | 53.81 |
| 100% | | +10 | 5290065.80 | 65.8 |
| 100% | | +30 | 5290003.11 | 3.11 |
| 100% | | +40 | 5290098.58 | 98.58 |
| 100% | | +50 | 5290023.27 | 23.27 |
| End.Point | 3.40 | +20 | 5290025.32 | 25.32 |

Note:

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

OPERATING BAND: UNII Band 2C
 OPERATING FREQUENCY: 5,530,000,000 Hz
 CHANNEL: 106
 REFERENCE VOLTAGE: 3.86 VDC

| Voltage (%) | Power (VDC) | Temp. (°C) | Frequency (kHz) | Frequency Error (kHz) |
|-------------|-------------|------------|-----------------|-----------------------|
| 100% | 3.86 | +20(Ref) | 5530098.38 | 98.38 |
| 100% | | -30 | 5530046.35 | 46.35 |
| 100% | | -20 | 5530018.11 | 18.11 |
| 100% | | -10 | 5530014.68 | 14.68 |
| 100% | | 0 | 5530059.04 | 59.04 |
| 100% | | +10 | 5530005.98 | 5.98 |
| 100% | | +30 | 5530053.85 | 53.85 |
| 100% | | +40 | 5530051.78 | 51.78 |
| 100% | | +50 | 5530017.94 | 17.94 |
| End.Point | 3.40 | +20 | 5530028.53 | 28.53 |

Note:

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

OPERATING BAND: UNII Band 3
 OPERATING FREQUENCY: 5,775,000,000 Hz
 CHANNEL: 155
 REFERENCE VOLTAGE: 3.86 VDC

| Voltage (%) | Power (VDC) | Temp. (°C) | Frequency (kHz) | Frequency Error (kHz) |
|-------------|-------------|------------|-----------------|-----------------------|
| 100% | 3.86 | +20(Ref) | 5775038.41 | 38.41 |
| 100% | | -30 | 5775069.90 | 69.90 |
| 100% | | -20 | 5775064.39 | 64.39 |
| 100% | | -10 | 5775089.80 | 89.80 |
| 100% | | 0 | 5775076.03 | 76.03 |
| 100% | | +10 | 5775075.40 | 75.40 |
| 100% | | +30 | 5775094.73 | 94.73 |
| 100% | | +40 | 5775074.26 | 74.26 |
| 100% | | +50 | 5775022.70 | 22.70 |
| End.Point | 3.40 | +20 | 5775096.10 | 96.10 |

Note:

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

10.7 STRADDLE CHANNEL

10.7.1 26dB Bandwidth

[ANT1]

| Mode | Band | Frequency [MHz] | Channel | Measured Frequency [MHz] | 26dB Bandwidth [MHz] |
|-----------------|---------|-----------------|---------|--------------------------|----------------------|
| 802.11a | UNII 2C | 5720 | 144 | 5709.60 | 15.40 |
| 802.11n(HT20) | | | | 5709.40 | 15.60 |
| 802.11ac(VHT20) | | | | 5709.44 | 15.56 |
| 802.11a | UNII 3 | 5720 | 144 | 5730.60 | 5.60 |
| 802.11n(HT20) | | | | 5730.68 | 5.68 |
| 802.11ac(VHT20) | | | | 5730.72 | 5.72 |

| Mode | Band | Frequency [MHz] | Channel | Measured Frequency [MHz] | 26dB Bandwidth [MHz] |
|-----------------|---------|-----------------|---------|--------------------------|----------------------|
| 802.11n(HT40) | UNII 2C | 5710 | 142 | 5690.32 | 34.68 |
| 802.11ac(VHT40) | | | | 5690.08 | 34.92 |
| 802.11n(HT40) | UNII 3 | 5710 | 142 | 5729.68 | 4.68 |
| 802.11ac(VHT40) | | | | 5730.00 | 5.00 |

| Mode | Band | Frequency [MHz] | Channel | Measured Frequency [MHz] | 26dB Bandwidth [MHz] |
|-----------------|---------|-----------------|---------|--------------------------|----------------------|
| 802.11ac(VHT80) | UNII 2C | 5690 | 138 | 5649.56 | 75.44 |
| | UNII 3 | 5690 | 138 | 5730.80 | 5.80 |

Note:

[UNII 2C] 26dB Bandwidth = 5725MHz - Measured Frequency[MHz]

[UNII 3C] 26dB Bandwidth = Measured Frequency[MHz] -5725MHz

[ANT2]

| Mode | Band | Frequency [MHz] | Channel | Measured Frequency [MHz] | 26dB Bandwidth [MHz] |
|-----------------|---------|-----------------|---------|--------------------------|----------------------|
| 802.11a | UNII 2C | 5720 | 144 | 5709.32 | 15.68 |
| 802.11n(HT20) | | | | 5709.36 | 15.64 |
| 802.11ac(VHT20) | | | | 5709.48 | 15.52 |
| 802.11a | UNII 3 | 5720 | 144 | 5730.60 | 5.60 |
| 802.11n(HT20) | | | | 5730.48 | 5.48 |
| 802.11ac(VHT20) | | | | 5730.64 | 5.64 |

| Mode | Band | Frequency [MHz] | Channel | Measured Frequency [MHz] | 26dB Bandwidth [MHz] |
|-----------------|---------|-----------------|---------|--------------------------|----------------------|
| 802.11n(HT40) | UNII 2C | 5710 | 142 | 5690.32 | 34.68 |
| 802.11ac(VHT40) | | | | 5689.76 | 35.24 |
| 802.11n(HT40) | UNII 3 | 5710 | 142 | 5729.84 | 4.84 |
| 802.11ac(VHT40) | | | | 5729.92 | 4.92 |

| Mode | Band | Frequency [MHz] | Channel | Measured Frequency [MHz] | 26dB Bandwidth [MHz] |
|-----------------|---------|-----------------|---------|--------------------------|----------------------|
| 802.11ac(VHT80) | UNII 2C | 5690 | 138 | 5649.56 | 75.44 |
| | UNII 3 | 5690 | 138 | 5730.92 | 5.92 |

Note:

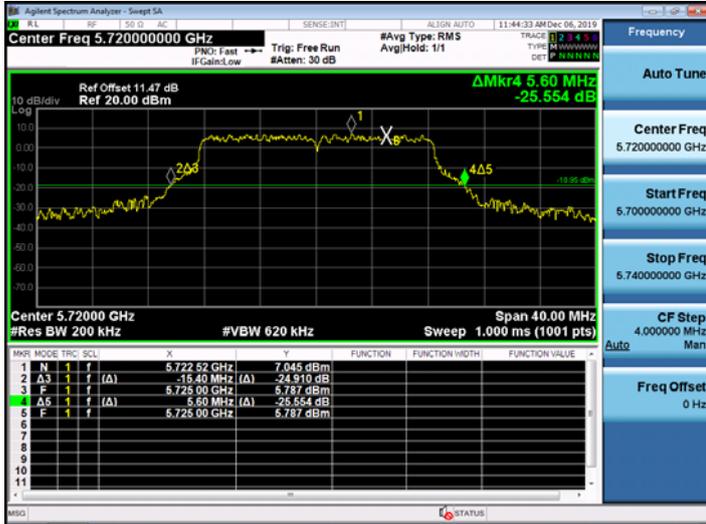
[UNII 2C] 26dB Bandwidth = 5725MHz - Measured Frequency[MHz]

[UNII 3C] 26dB Bandwidth = Measured Frequency[MHz] -5725MHz

[ANT1]

☐ Test Plots (26dB Bandwidth)

802.11a UNII Band



802.11n(HT20) UNII Band

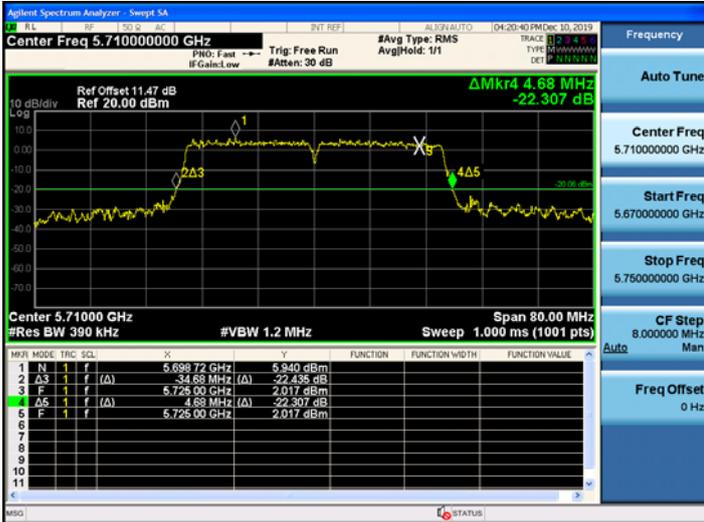


802.11ac(VHT20) UNII Band



☐ Test Plots (26dB Bandwidth)

802.11n(HT40) UNII Band



802.11ac(VHT40) UNII Band



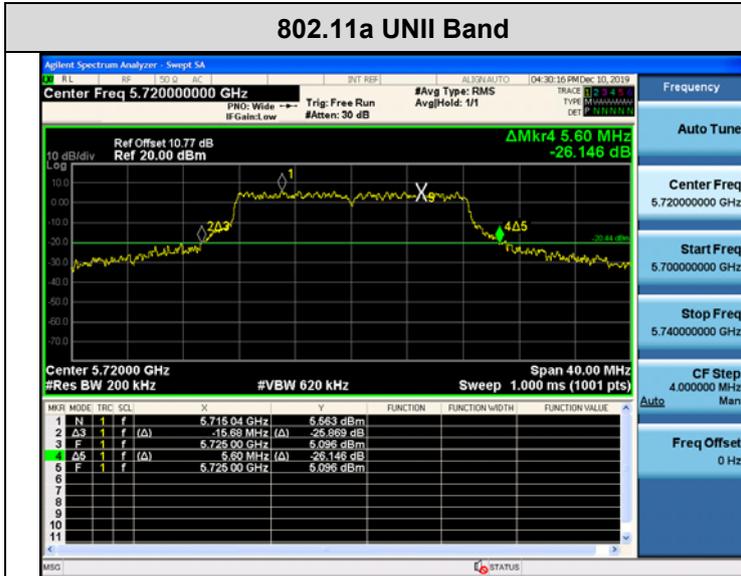
802.11ac(VHT80) UNII Band



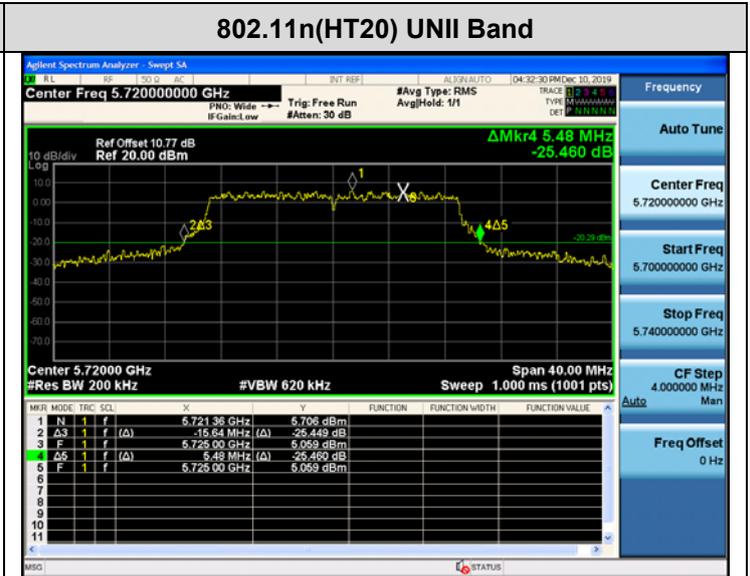
[ANT2]

☐ Test Plots (26dB Bandwidth)

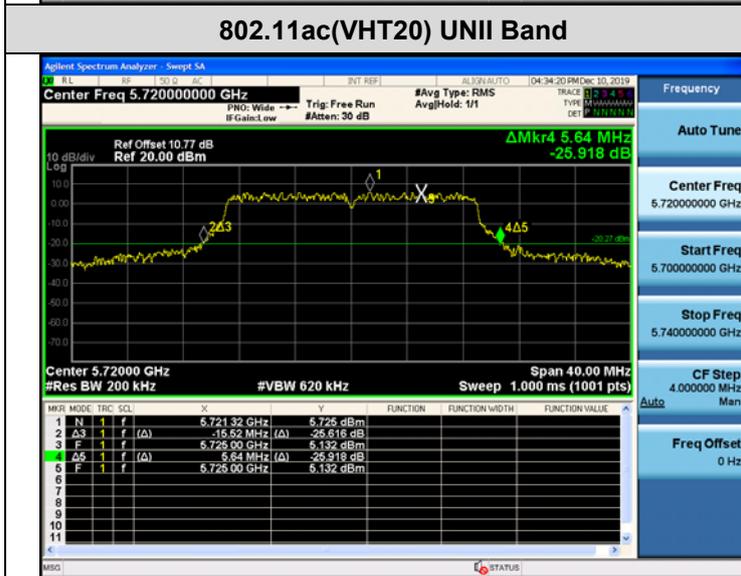
802.11a UNII Band



802.11n(HT20) UNII Band



802.11ac(VHT20) UNII Band

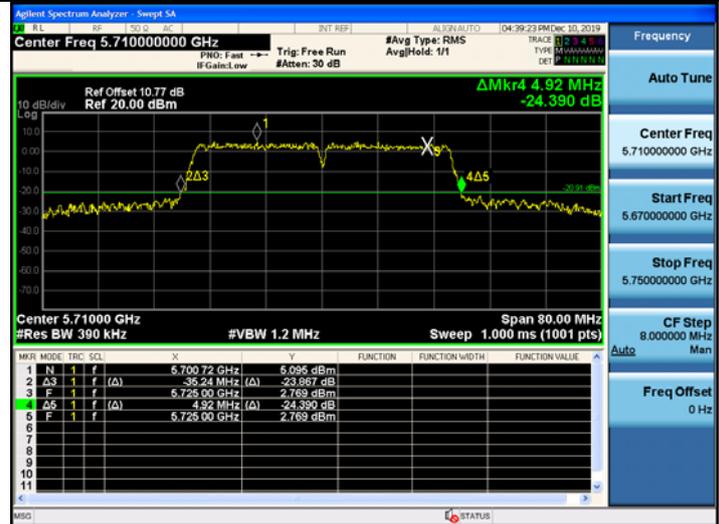


☐ Test Plots (26dB Bandwidth)

802.11n(HT40) UNII Band



802.11ac(VHT40) UNII Band



802.11ac(VHT80) UNII Band



10.7.2 6dB Bandwidth

[ANT1]

| Mode | Band | Frequency [MHz] | Channel | Measured Frequency [MHz] | 6dB Bandwidth [MHz] | Limit [MHz] |
|-----------------|--------|-----------------|---------|--------------------------|---------------------|-------------|
| 802.11a | UNII 3 | 5720 | 144 | 5728.28 | 3.28 | > 0.5 |
| 802.11n(HT20) | | | | 5728.92 | 3.92 | > 0.5 |
| 802.11ac(VHT20) | | | | 5728.92 | 3.92 | > 0.5 |

| Mode | Band | Frequency [MHz] | Channel | Measured Frequency [MHz] | 6dB Bandwidth [MHz] | Limit [MHz] |
|-----------------|--------|-----------------|---------|--------------------------|---------------------|-------------|
| 802.11n(HT40) | UNII 3 | 5710 | 142 | 5728.20 | 3.20 | > 0.5 |
| 802.11ac(VHT40) | | | | 5728.28 | 3.28 | > 0.5 |

| Mode | Band | Frequency [MHz] | Channel | Measured Frequency [MHz] | 6dB Bandwidth [MHz] | Limit [MHz] |
|-----------------|--------|-----------------|---------|--------------------------|---------------------|-------------|
| 802.11ac(VHT80) | UNII 3 | 5690 | 138 | 5727.80 | 2.80 | > 0.5 |

Note:

6dB Bandwidth = Measured Frequency[MHz] – 5725MHz

[ANT2]

| Mode | Band | Frequency [MHz] | Channel | Measured Frequency [MHz] | 6dB Bandwidth [MHz] | Limit [MHz] |
|-----------------|--------|-----------------|---------|--------------------------|---------------------|-------------|
| 802.11a | UNII 3 | 5720 | 144 | 5728.32 | 3.32 | > 0.5 |
| 802.11n(HT20) | | | | 5728.88 | 3.88 | > 0.5 |
| 802.11ac(VHT20) | | | | 5728.92 | 3.92 | > 0.5 |

| Mode | Band | Frequency [MHz] | Channel | Measured Frequency [MHz] | 6dB Bandwidth [MHz] | Limit [MHz] |
|-----------------|--------|-----------------|---------|--------------------------|---------------------|-------------|
| 802.11n(HT40) | UNII 3 | 5710 | 142 | 5728.20 | 3.20 | > 0.5 |
| 802.11ac(VHT40) | | | | 5728.32 | 3.32 | > 0.5 |

| Mode | Band | Frequency [MHz] | Channel | Measured Frequency [MHz] | 6dB Bandwidth [MHz] | Limit [MHz] |
|-----------------|--------|-----------------|---------|--------------------------|---------------------|-------------|
| 802.11ac(VHT80) | UNII 3 | 5690 | 138 | 5727.80 | 2.80 | > 0.5 |

Note:

6dB Bandwidth = Measured Frequency[MHz] – 5725MHz

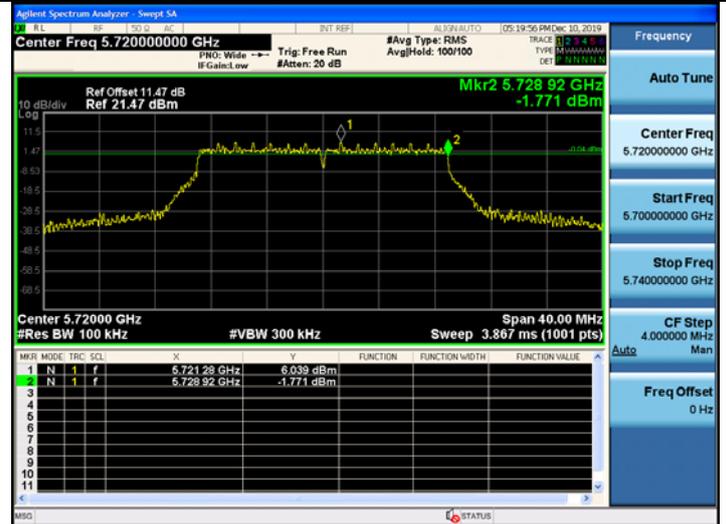
[ANT1]

☐ Test Plots(UNII 3 Band 6dB Bandwidth)

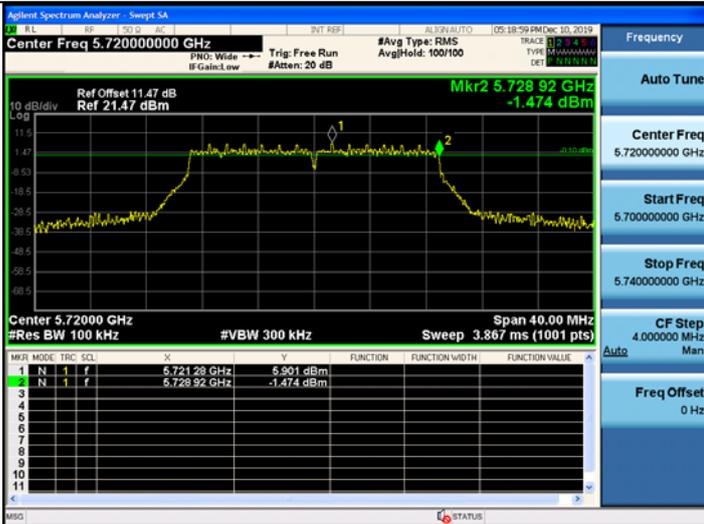
802.11a CH.144



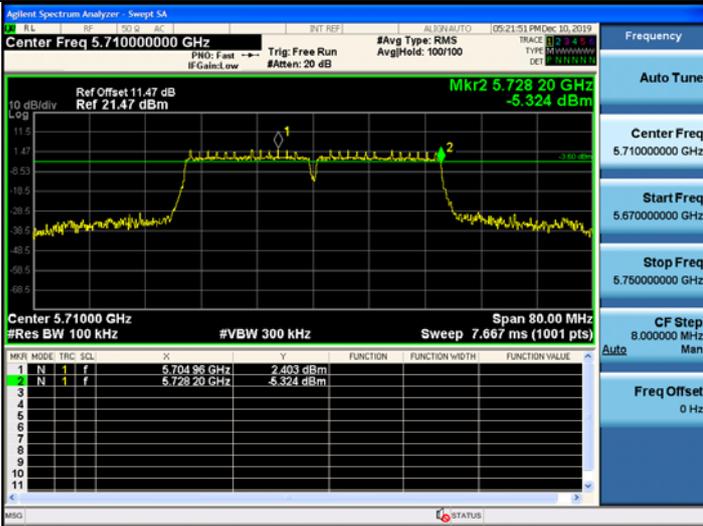
802.11n_HT20 CH.144



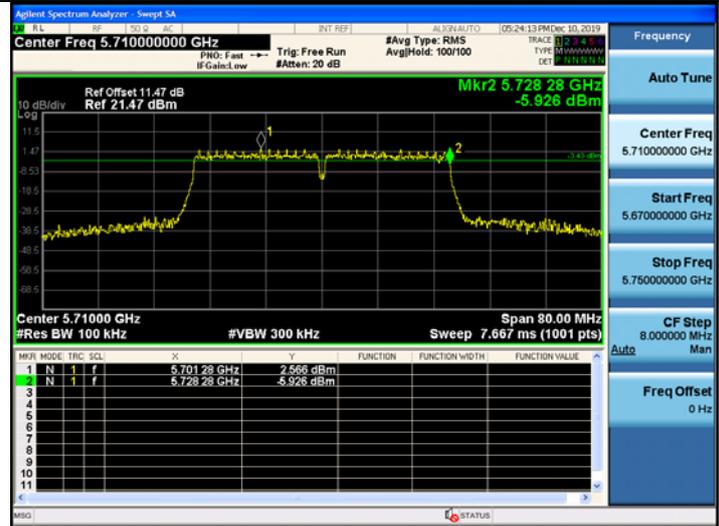
802.11ac_VHT20 CH.144



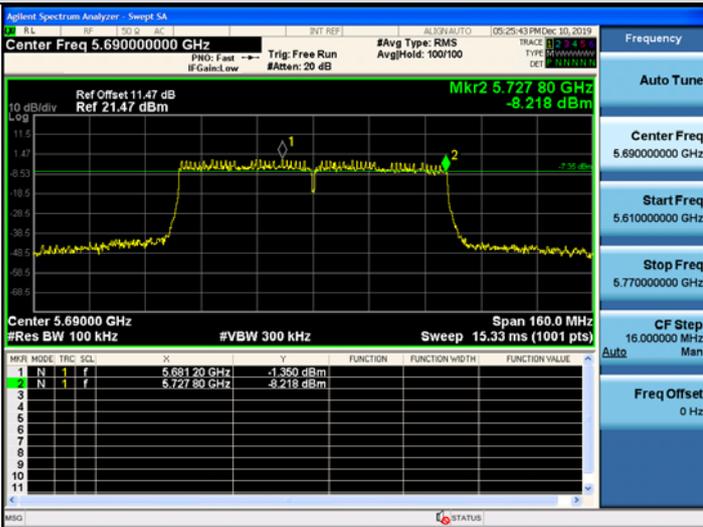
802.11n_HT40 CH.142



802.11ac_VHT40 CH.142



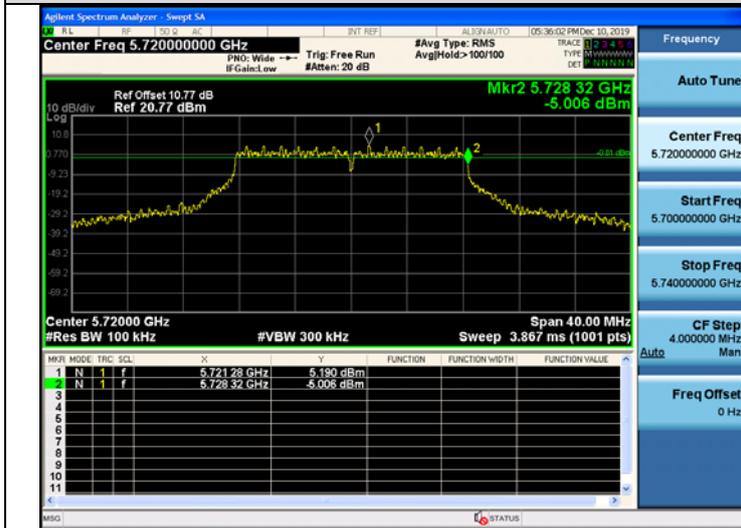
802.11ac_VHT80 CH.138



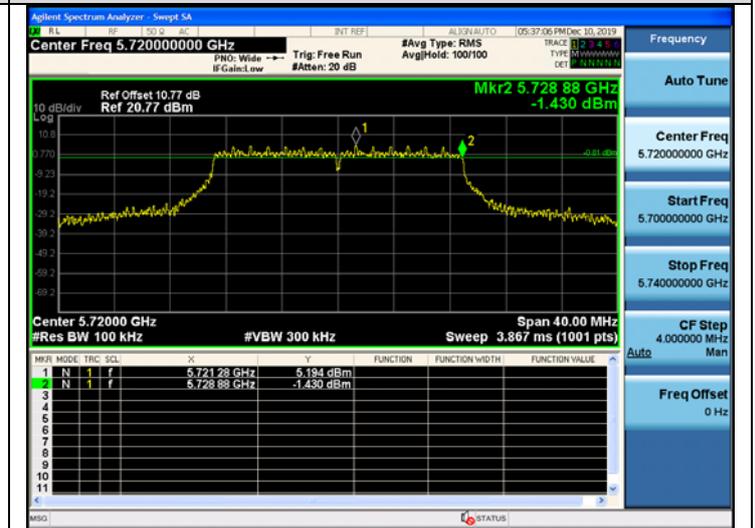
[ANT2]

☐ Test Plots(UNII 3 Band 6dB Bandwidth)

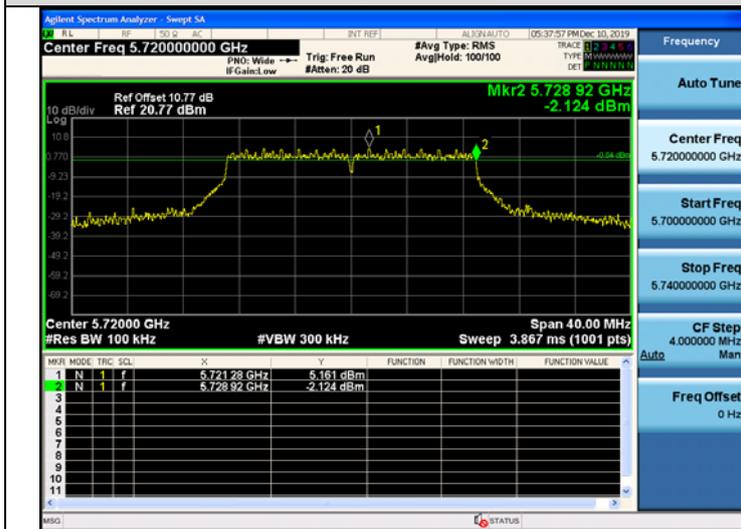
802.11a CH.144



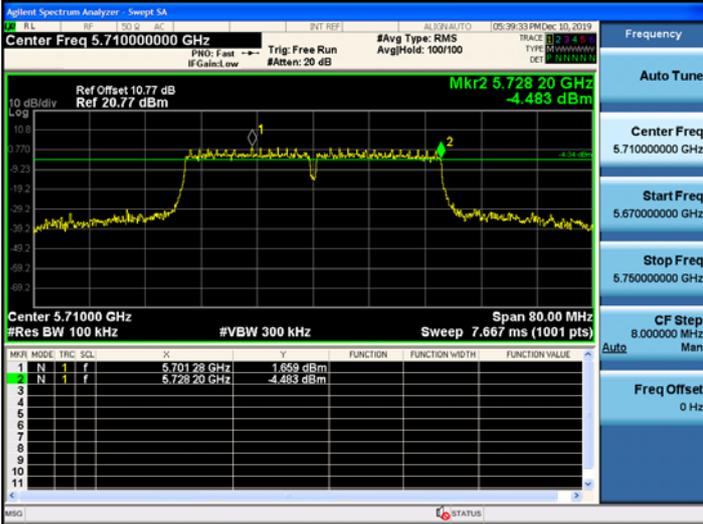
802.11n_HT20 CH.144



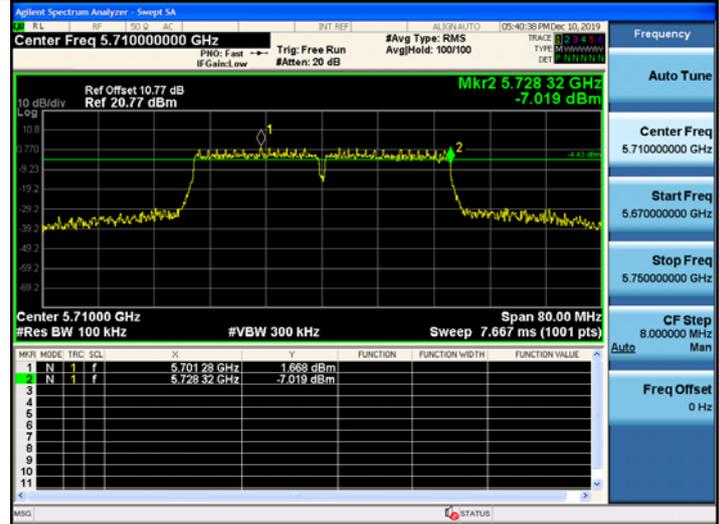
802.11ac_VHT20 CH.144



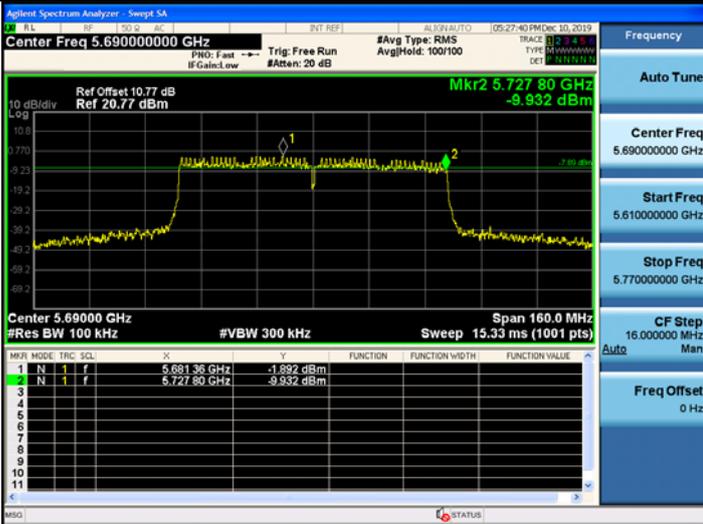
802.11n_HT40 CH.142



802.11ac_VHT40 CH.142



802.11ac_VHT80 CH.138



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 (UNII 2C Band) | 144 | 14.30 | 1.897 | 16.20 | 22.88 |
| 802.11n(HT20) | | | 14.02 | 2.006 | 16.03 | 22.93 |
| 802.11ac(VHT20) | | | 13.85 | 2.174 | 16.02 | 22.92 |
| 802.11a | 5720 (UNII 3 Band) | 144 | 8.07 | 1.897 | 9.97 | 30.00 |
| 802.11n(HT20) | | | 8.38 | 2.006 | 10.39 | 30.00 |
| 802.11ac(VHT20) | | | 8.08 | 2.174 | 10.25 | 30.00 |

| Mode | Frequency [MHz] | Channel | Measured Power (dBm) | Duty Cycle Factor (dB) | Total Power (dBm) | Limit (dBm) |
|-----------------|------------------------|---------|----------------------|------------------------|-------------------|-------------|
| 802.11n(HT40) | 5710 (UNII 2C Band) | 142 | 12.77 | 2.988 | 15.76 | 23.98 |
| 802.11ac(VHT40) | | | 12.49 | 3.273 | 15.76 | 23.98 |
| 802.11n(HT40) | 5710 (UNII 3 Band) | 142 | 2.12 | 2.988 | 5.11 | 30.00 |
| 802.11ac(VHT40) | | | 1.91 | 3.273 | 5.18 | 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 | 11.65 | 3.398 | 15.05 | 23.98 |
| | 5690 (UNII 3 Band) | 138 | -3.50 | 3.398 | -0.10 | 30.00 |

[ANT2]

| Mode | Frequency [MHz] | Channel | Measured Power (dBm) | Duty Cycle Factor (dB) | Total Power (dBm) | Limit (dBm) |
|-----------------|------------------------|---------|----------------------|------------------------|-------------------|-------------|
| 802.11a | 5720 (UNII 2C Band) | 144 | 13.10 | 1.897 | 15.00 | 22.95 |
| 802.11n(HT20) | | | 12.84 | 2.006 | 14.85 | 22.94 |
| 802.11ac(VHT20) | | | 12.73 | 2.174 | 14.90 | 22.91 |
| 802.11a | 5720 (UNII 3 Band) | 144 | 6.85 | 1.897 | 8.75 | 30.00 |
| 802.11n(HT20) | | | 7.00 | 2.006 | 9.01 | 30.00 |
| 802.11ac(VHT20) | | | 6.91 | 2.174 | 9.08 | 30.00 |

| Mode | Frequency [MHz] | Channel | Measured Power (dBm) | Duty Cycle Factor (dB) | Total Power (dBm) | Limit (dBm) |
|-----------------|------------------------|---------|----------------------|------------------------|-------------------|-------------|
| 802.11n(HT40) | 5710 (UNII 2C Band) | 142 | 12.19 | 2.988 | 15.18 | 23.98 |
| 802.11ac(VHT40) | | | 11.88 | 3.273 | 15.15 | 23.98 |
| 802.11n(HT40) | 5710 (UNII 3 Band) | 142 | 1.34 | 2.988 | 4.33 | 30.00 |
| 802.11ac(VHT40) | | | 1.19 | 3.273 | 4.46 | 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 | 10.89 | 3.398 | 14.29 | 23.98 |
| | 5690 (UNII 3 Band) | 138 | -4.46 | 3.398 | -1.06 | 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



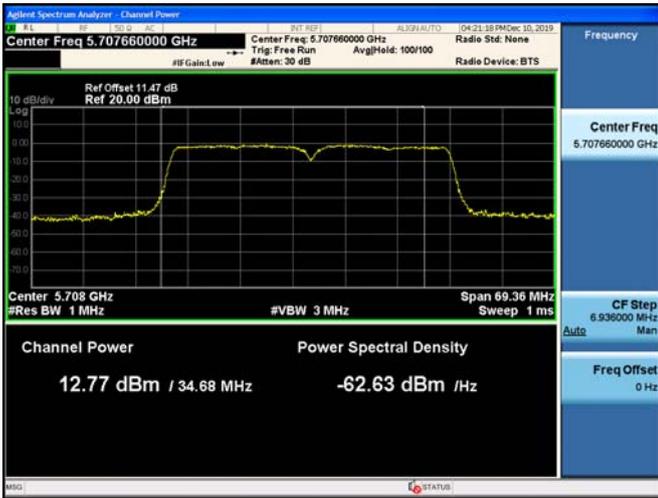
802.11ac(VHT20) UNII 2C Band



802.11ac(VHT20) UNII 3 Band



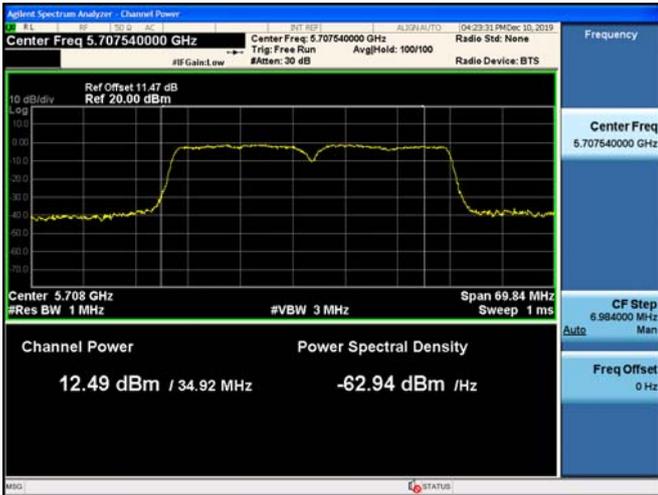
802.11n(HT40) UNII 2C Band



802.11n(HT40) UNII 3 Band



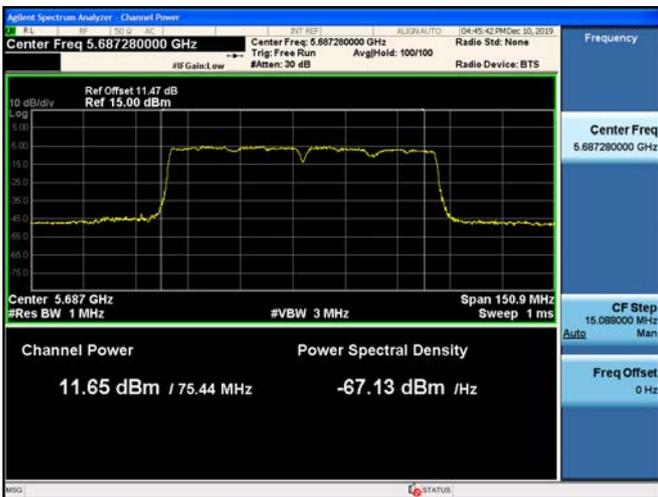
802.11ac(VHT40) UNII 2C Band



802.11ac(VHT40) UNII 3 Band



802.11ac(VHT80) UNII 2C Band



802.11ac(VHT80) UNII 3 Band



Test Plots [ANT2]

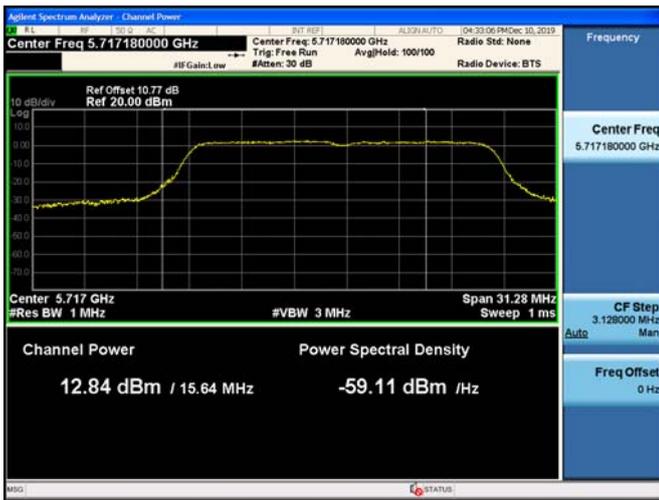
802.11a UNII 2C Band



802.11a UNII 3 Band



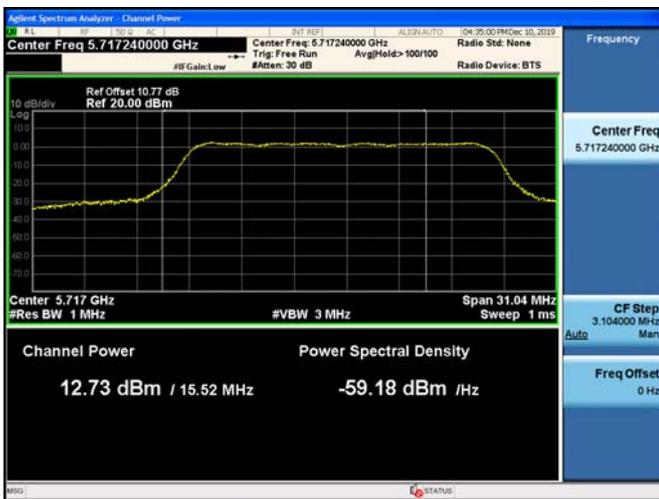
802.11n(HT20) UNII 2C Band



802.11n(HT20) UNII 3 Band



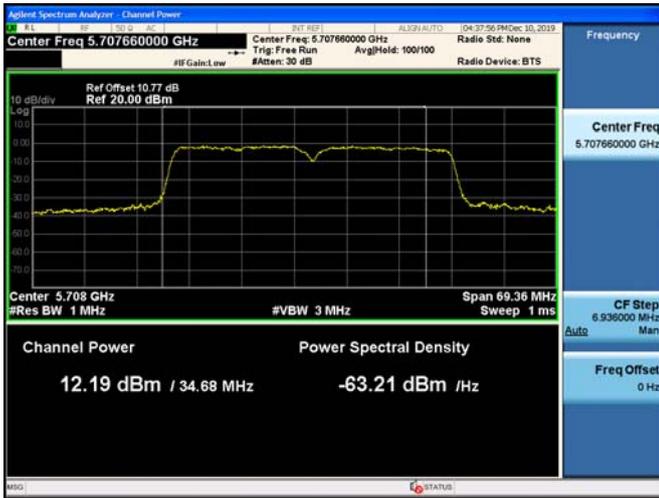
802.11ac(VHT20) UNII 2C Band



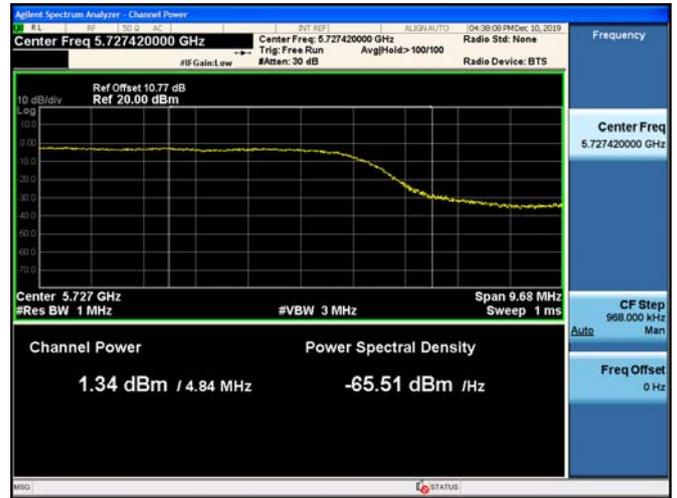
802.11ac(VHT20) UNII 3 Band



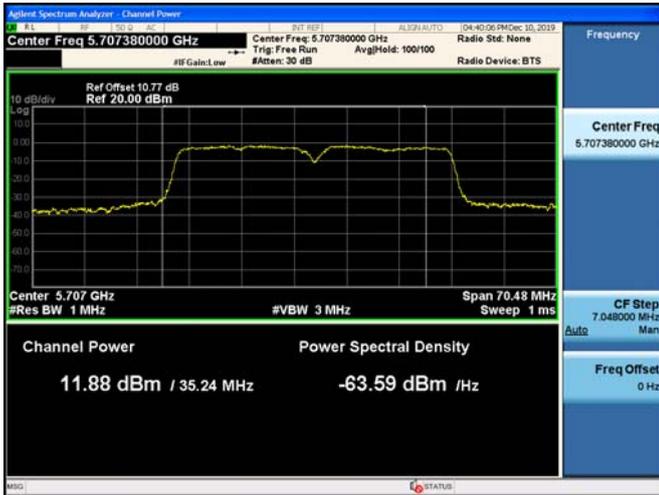
802.11n(HT40) UNII 2C Band



802.11n(HT40) UNII 3 Band



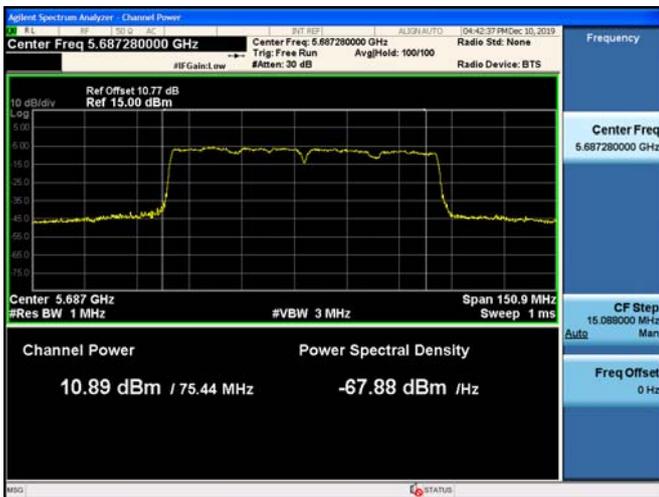
802.11ac(VHT40) UNII 2C Band



802.11ac(VHT40) UNII 3 Band



802.11ac(VHT80) UNII 2C Band



802.11ac(VHT80) UNII 3 Band



10.7.4 Power Spectral Density

[ANT1]

| Mode | Frequency [MHz] | Channel | Measured Density (dBm) | Duty Cycle Factor (dB) | Total PSD (dBm) | Limit (dBm) |
|-----------------|------------------------|---------|------------------------|------------------------|-----------------|-------------|
| 802.11a | 5720 (UNII 2C Band) | 144 | 4.335 | 1.897 | 6.232 | 11.00 |
| 802.11n(HT20) | | | 4.132 | 2.006 | 6.138 | 11.00 |
| 802.11ac(VHT20) | | | 4.159 | 2.174 | 6.333 | 11.00 |
| 802.11a | 5720 (UNII 3 Band) | 144 | 1.049 | 1.897 | 2.946 | 30.00 |
| 802.11n(HT20) | | | 1.038 | 2.006 | 3.044 | 30.00 |
| 802.11ac(VHT20) | | | 0.989 | 2.174 | 3.163 | 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 | -0.349 | 2.988 | 2.639 | 11.00 |
| 802.11ac(VHT40) | | | -0.403 | 3.273 | 2.870 | 11.00 |
| 802.11n(HT40) | 5710 (UNII 3 Band) | 142 | -4.404 | 2.988 | -1.416 | 30.00 |
| 802.11ac(VHT40) | | | -4.881 | 3.273 | -1.608 | 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 | -4.884 | 3.398 | -1.486 | 11.00 |
| | 5690 (UNII 3 Band) | 138 | -9.762 | 3.398 | -6.364 | 30.00 |