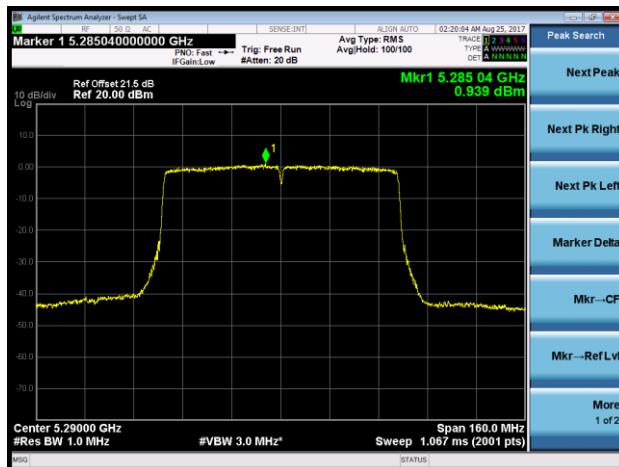
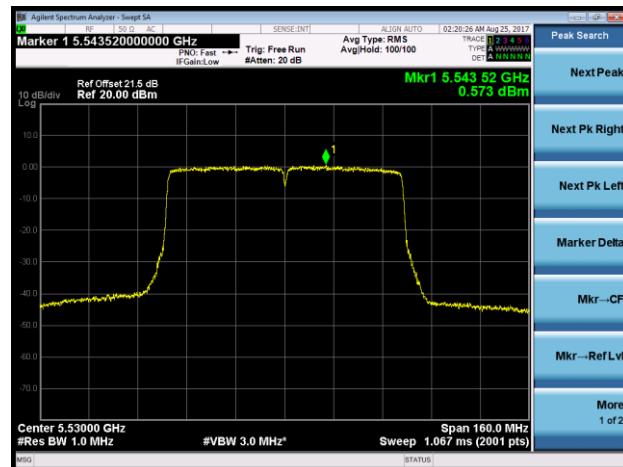


802.11ac-VHT80 Power Spectral Density - Ant 1 / Ant 1 + 2 (Beam-Forming Mode)

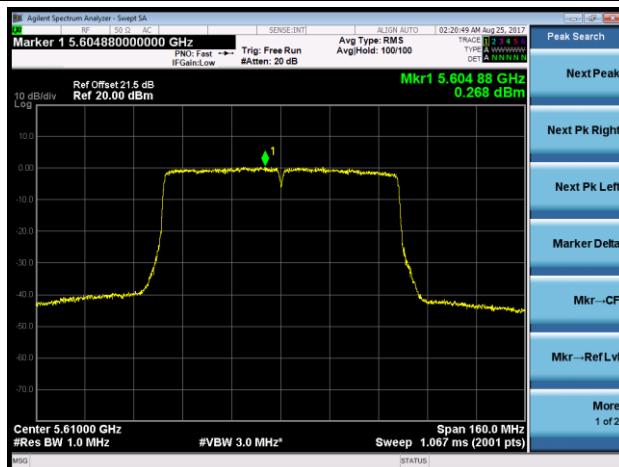
Channel 58 (5290MHz)



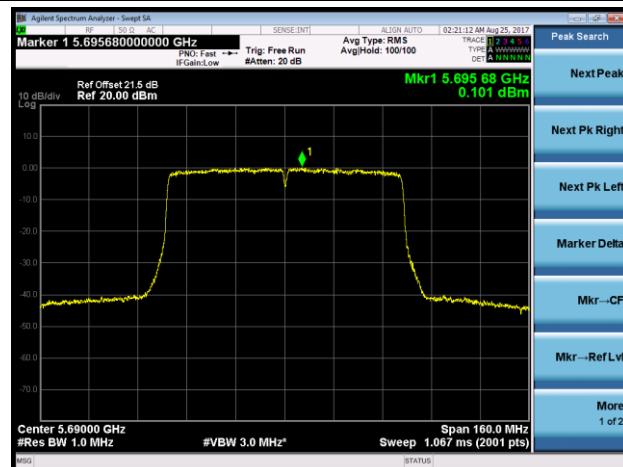
Channel 106 (5530MHz)



Channel 122 (5610MHz)

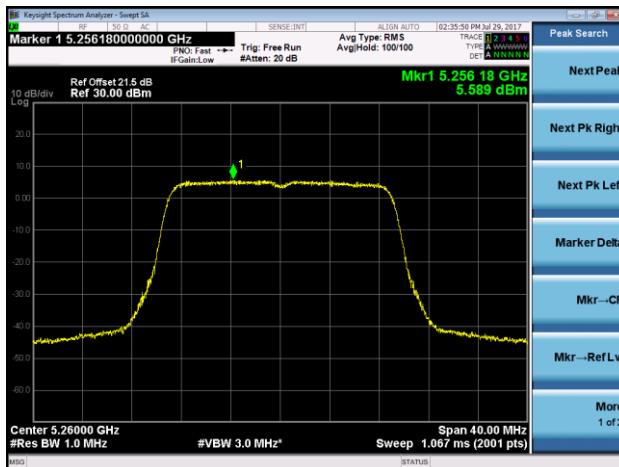


Channel 138 (5690MHz)

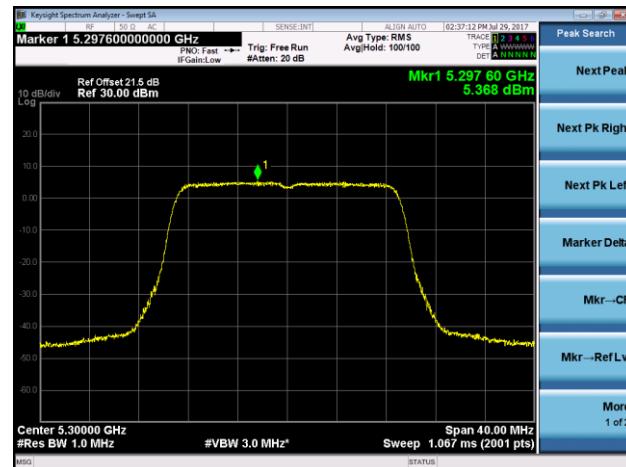


802.11n-HT20 Power Spectral Density - Ant 2 / Ant 1 + 2 (Beam-Forming Mode)

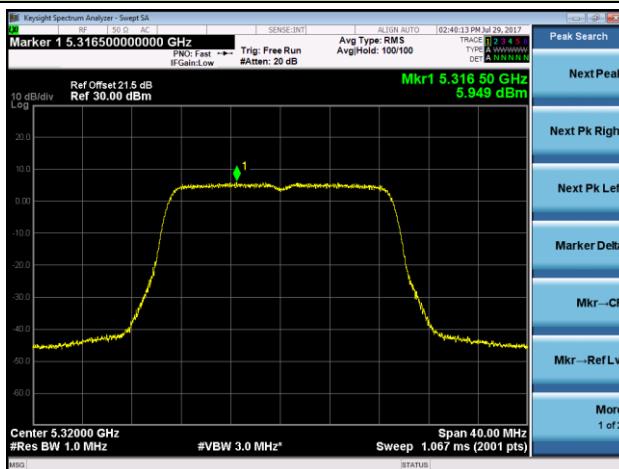
Channel 52 (5260MHz)



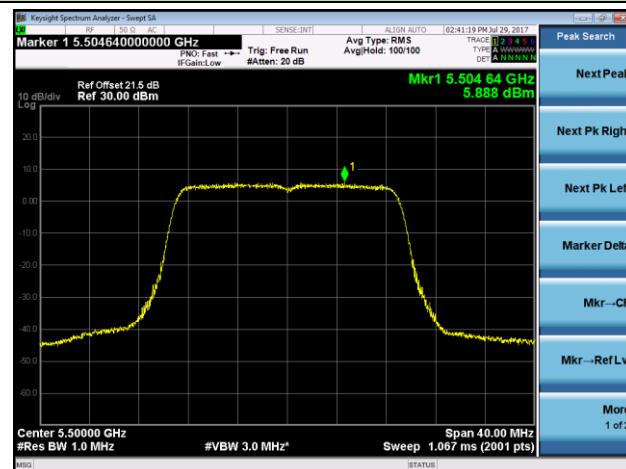
Channel 60 (5300MHz)



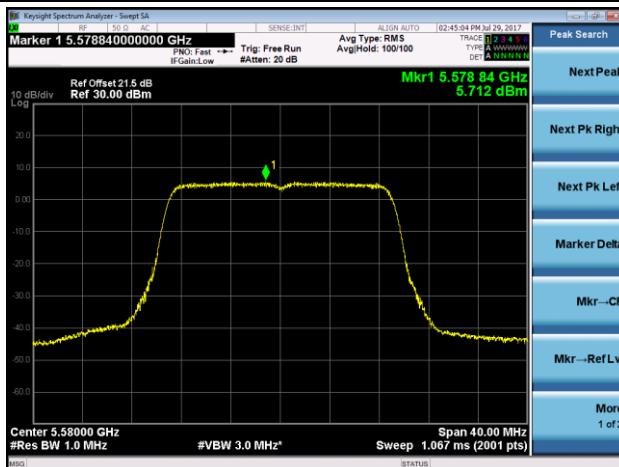
Channel 64 (5320MHz)



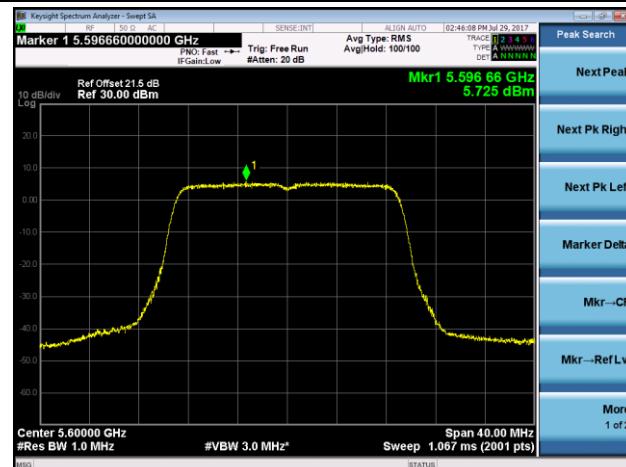
Channel 100 (5500MHz)

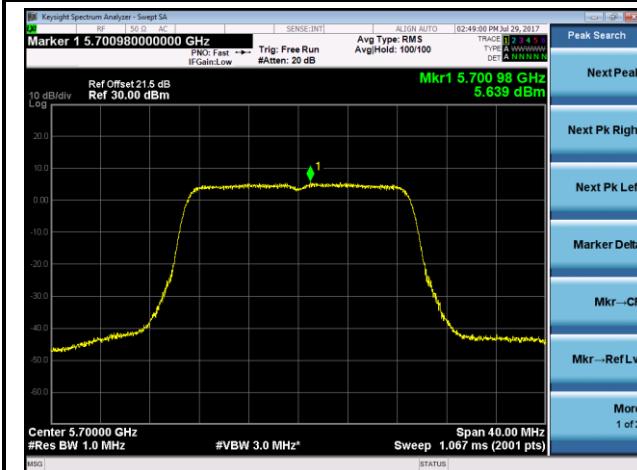
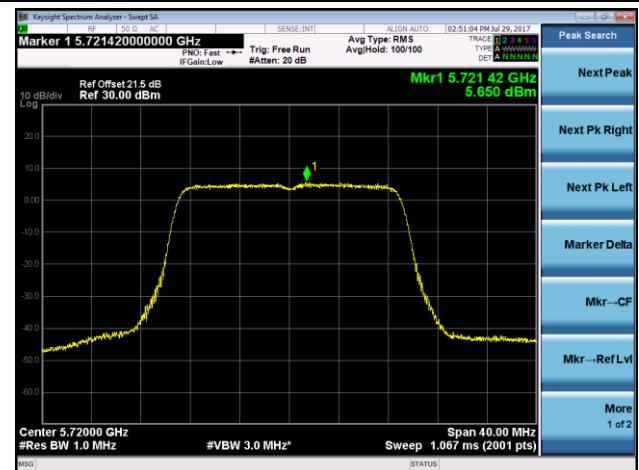


Channel 116 (5580MHz)



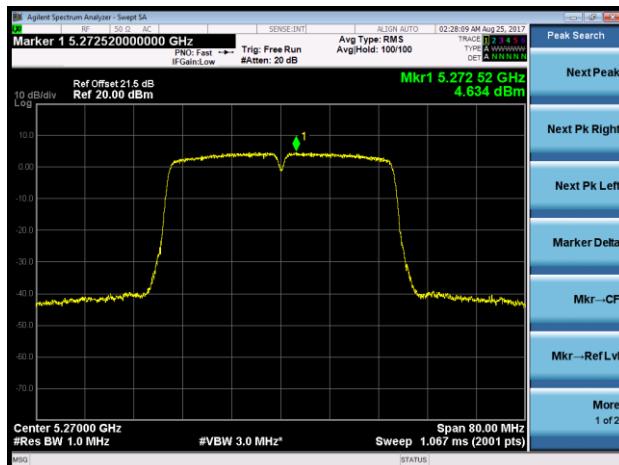
Channel 120 (5600MHz)



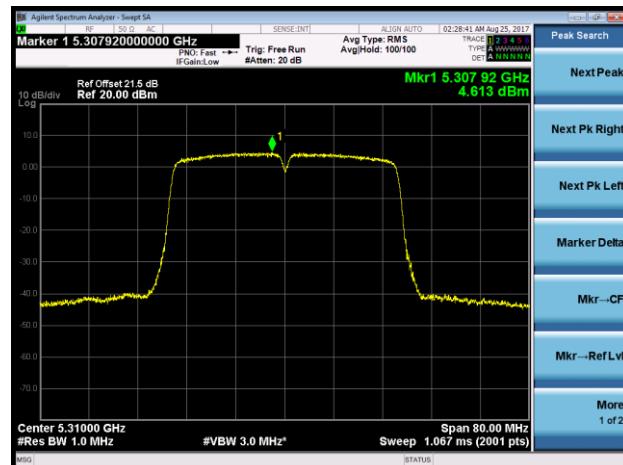
Channel 140 (5700MHz)

Channel 144 (5720MHz)


802.11n-HT40 Power Spectral Density - Ant 2 / Ant 1 + 2 (Beam-Forming Mode)

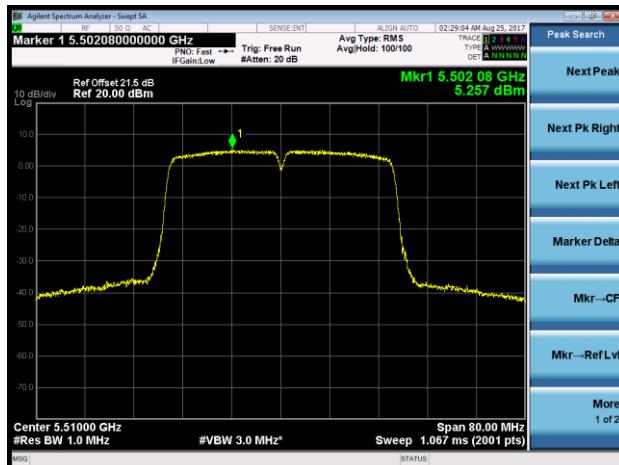
Channel 54 (5270MHz)



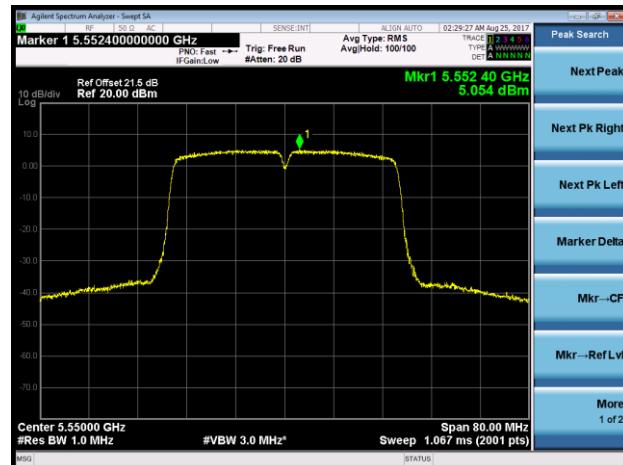
Channel 62 (5310MHz)



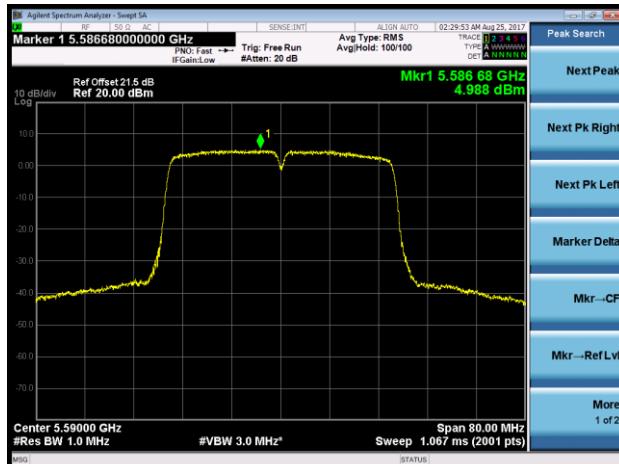
Channel 102 (5510MHz)



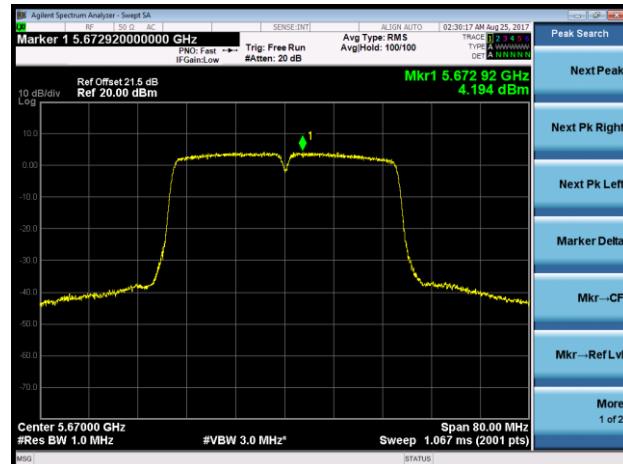
Channel 110 (5550MHz)

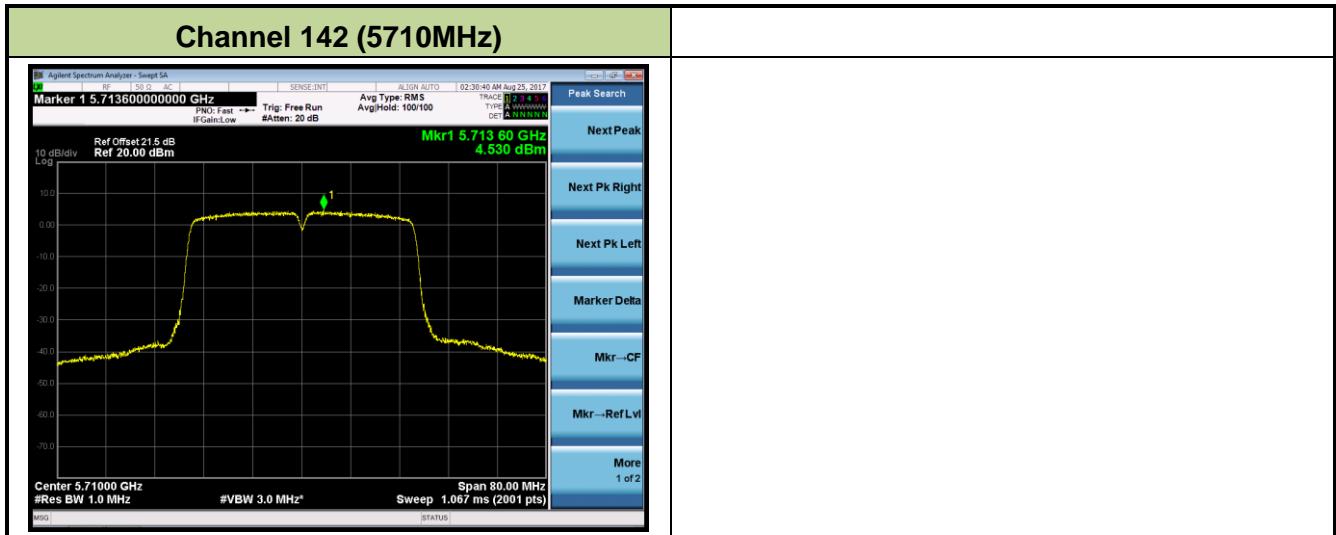


Channel 118 (5590MHz)



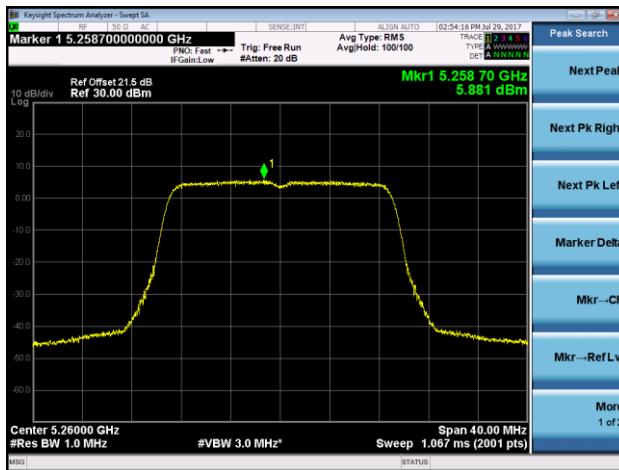
Channel 134 (5670MHz)



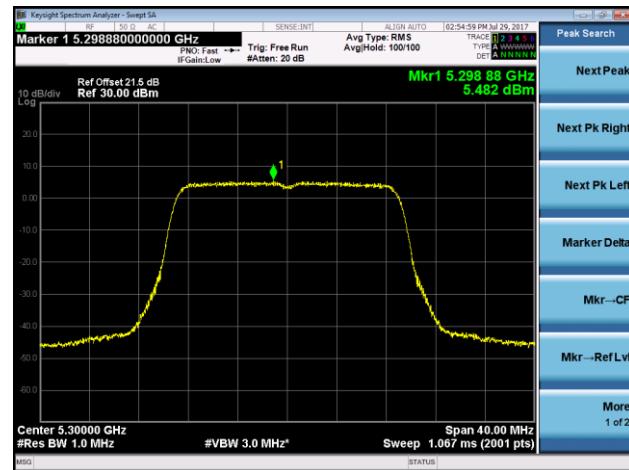


802.11ac-VHT20 Power Spectral Density - Ant 2 / Ant 1 + 2 (Beam-Forming Mode)

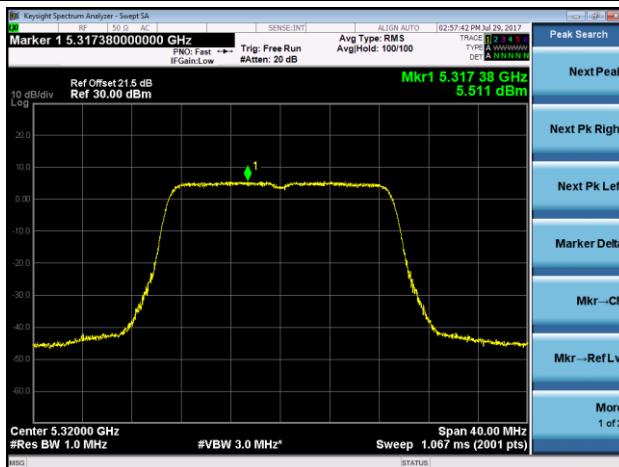
Channel 52 (5260MHz)



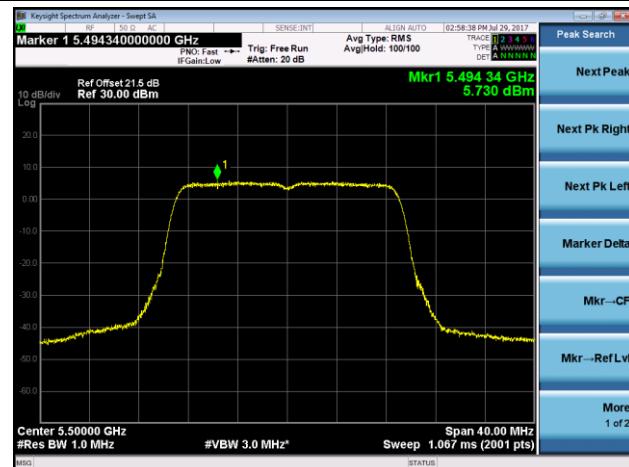
Channel 60 (5300MHz)



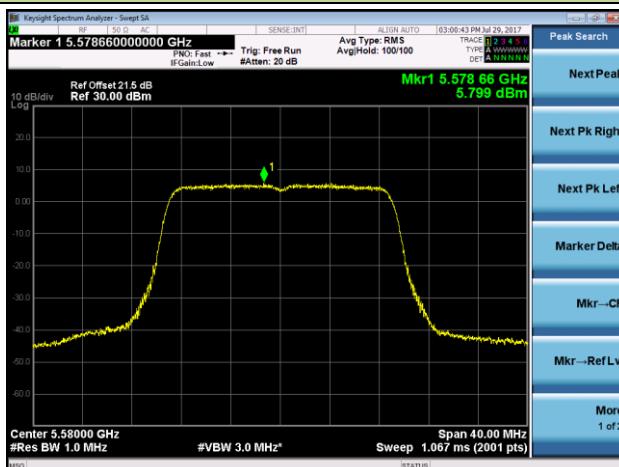
Channel 64 (5320MHz)



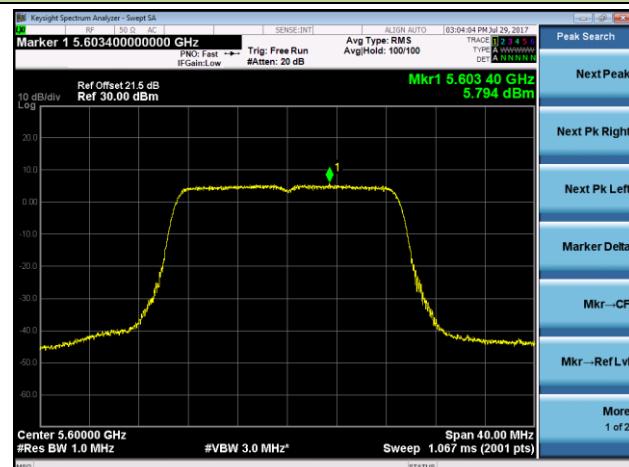
Channel 100 (5500MHz)

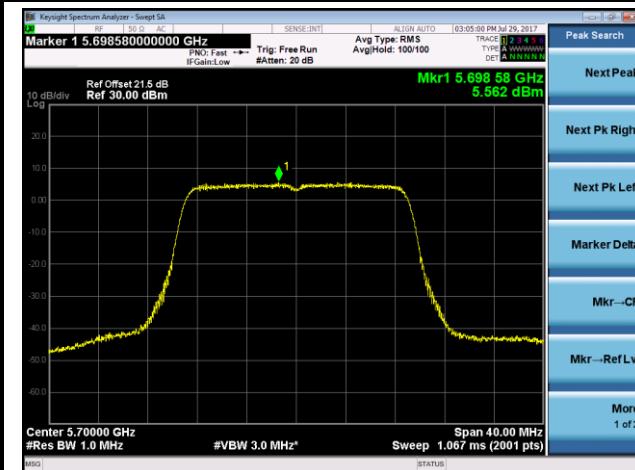
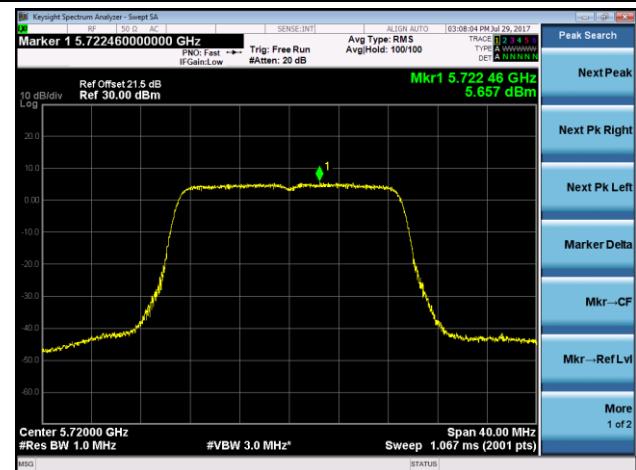


Channel 116 (5580MHz)



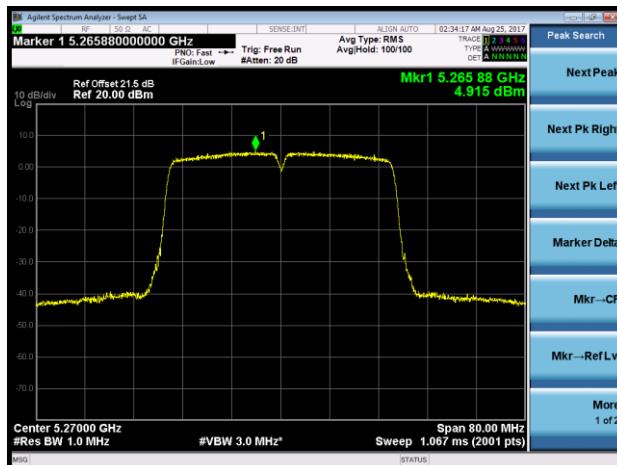
Channel 120 (5600MHz)



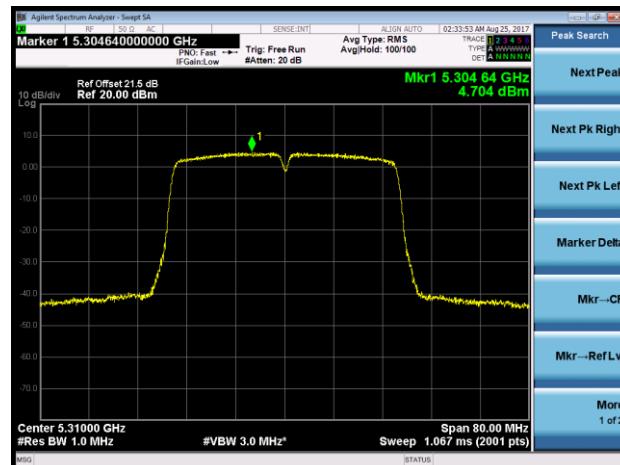
Channel 140 (5700MHz)

Channel 144 (5720MHz)


802.11ac-VHT40 Power Spectral Density - Ant 2 / Ant 1 + 2 (Beam-Forming Mode)

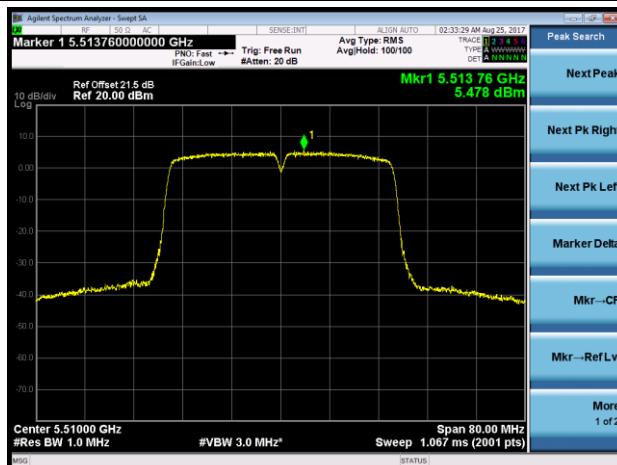
Channel 54 (5270MHz)



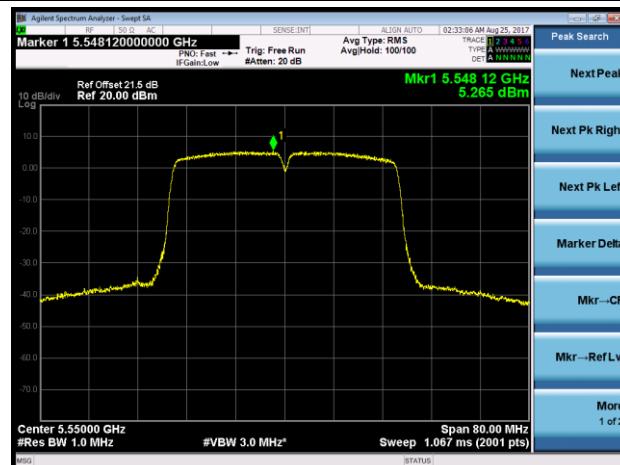
Channel 62 (5310MHz)



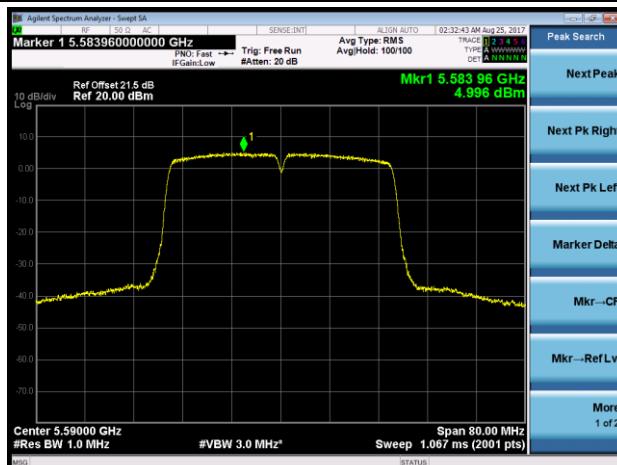
Channel 102 (5510MHz)



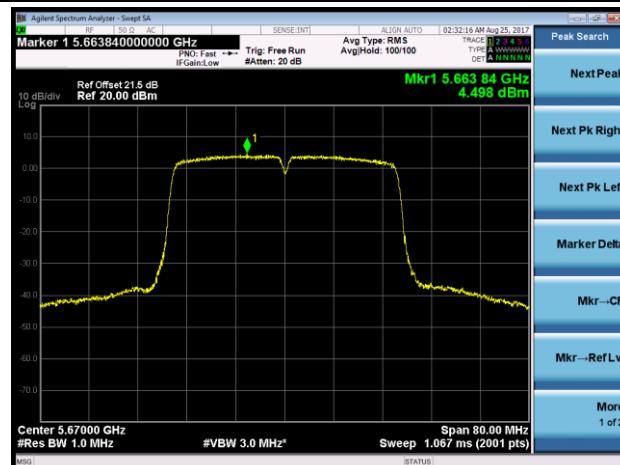
Channel 110 (5550MHz)

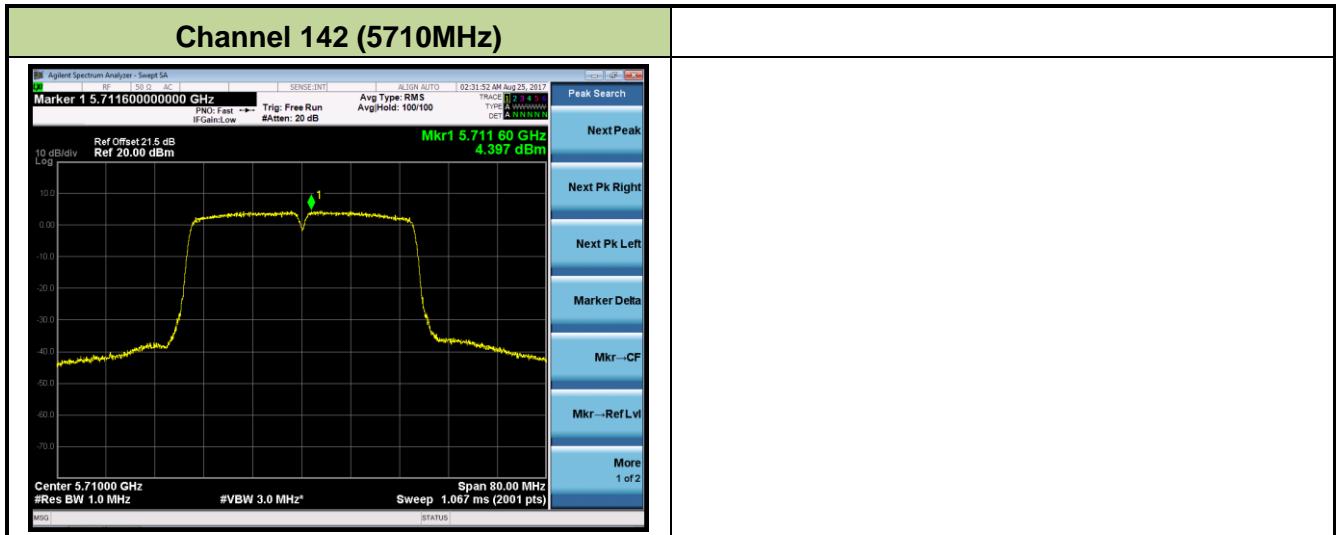


Channel 118 (5590MHz)



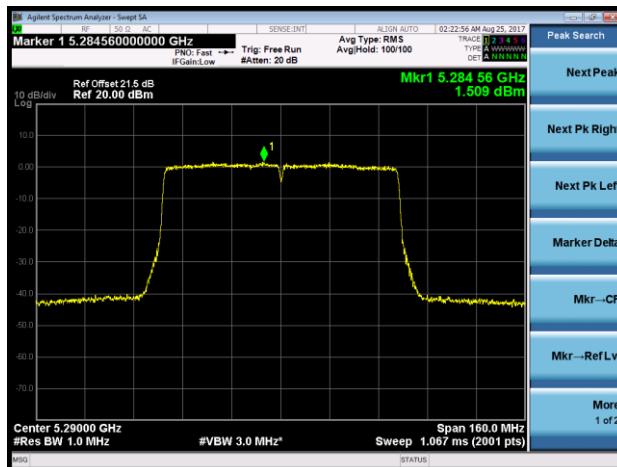
Channel 134 (5670MHz)



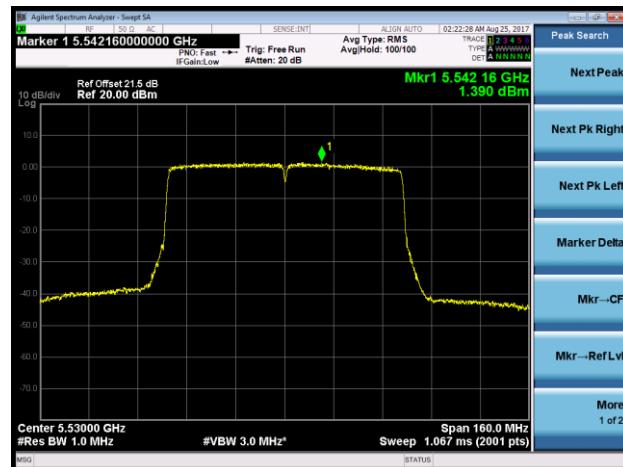


802.11ac-VHT80 Power Spectral Density - Ant 2 / Ant 1 + 2 (Beam-Forming Mode)

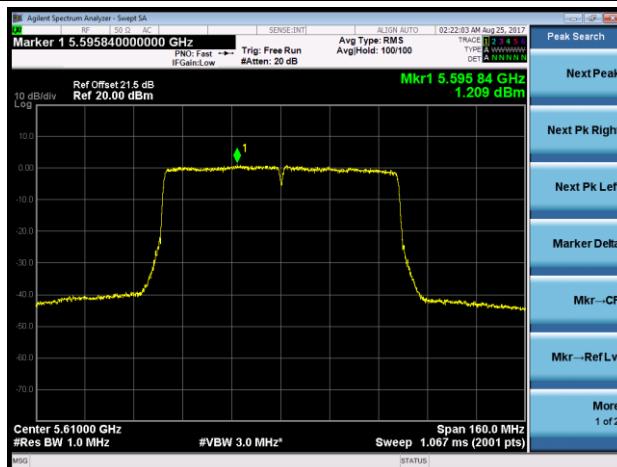
Channel 58 (5290MHz)



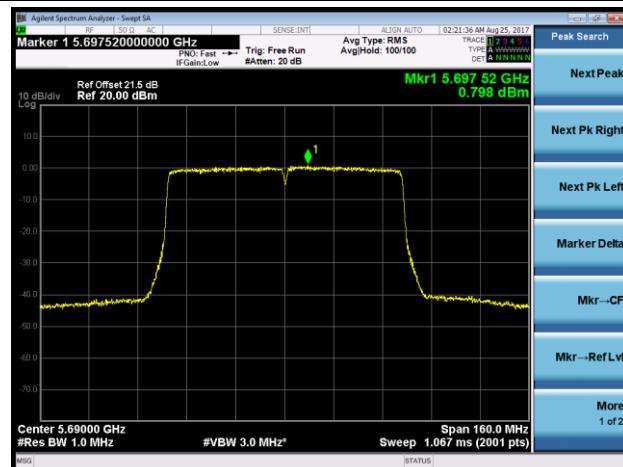
Channel 106 (5530MHz)



Channel 122 (5610MHz)



Channel 138 (5690MHz)



| | | | | | | | |
|---------------|--|--|--|-------------------|------------|--|--|
| Product | AC220 Wi-Fi AP OD small omni antenna US | | | Temperature | 22°C | | |
| Test Engineer | Lewis Huang | | | Relative Humidity | 54% | | |
| Test Site | TR3 | | | Test Date | 2017/08/27 | | |
| Test Item | Power Spectral Density (For FCC bands UNII-2A & UNII-2C) | | | | | | |

| Test Mode | Data Rate/ MCS | Channel No. | Freq. (MHz) | PSD (dBm/ MHz) | Duty Cycle (%) | Final PSD (dBm/ MHz) | PSD Limit (dBm/ MHz) | Result |
|--------------|-------------------|----------------|----------------|-------------------|-------------------|----------------------------|----------------------------|--------|
| Ant 1 | | | | | | | | |
| 11a | 6Mbps | 52 | 5260 | 10.07 | 95.80 | 10.26 | ≤ 10.50 | Pass |
| 11a | 6Mbps | 60 | 5300 | 9.81 | 95.80 | 10.00 | ≤ 10.50 | Pass |
| 11a | 6Mbps | 64 | 5320 | 9.81 | 95.80 | 10.00 | ≤ 10.50 | Pass |
| 11a | 6Mbps | 100 | 5500 | 9.87 | 95.80 | 10.06 | ≤ 10.50 | Pass |
| 11a | 6Mbps | 116 | 5580 | 10.16 | 95.80 | 10.35 | ≤ 10.50 | Pass |
| 11a | 6Mbps | 120 | 5600 | 9.68 | 95.80 | 9.87 | ≤ 10.50 | Pass |
| 11a | 6Mbps | 140 | 5700 | 9.84 | 95.80 | 10.03 | ≤ 10.50 | Pass |
| 11a | 6Mbps | 144 | 5720 | 9.88 | 95.80 | 10.07 | ≤ 10.50 | Pass |
| 11n-HT20 | MCS0 | 52 | 5260 | 9.85 | 98.07 | 9.85 | ≤ 10.50 | Pass |
| 11n-HT20 | MCS0 | 60 | 5300 | 10.05 | 98.07 | 10.05 | ≤ 10.50 | Pass |
| 11n-HT20 | MCS0 | 64 | 5320 | 9.75 | 98.07 | 9.75 | ≤ 10.50 | Pass |
| 11n-HT20 | MCS0 | 100 | 5500 | 9.84 | 98.07 | 9.84 | ≤ 10.50 | Pass |
| 11n-HT20 | MCS0 | 116 | 5580 | 10.04 | 98.07 | 10.04 | ≤ 10.50 | Pass |
| 11n-HT20 | MCS0 | 120 | 5600 | 10.02 | 98.07 | 10.02 | ≤ 10.50 | Pass |
| 11n-HT20 | MCS0 | 140 | 5700 | 9.85 | 98.07 | 9.85 | ≤ 10.50 | Pass |
| 11n-HT20 | MCS0 | 144 | 5720 | 10.08 | 98.07 | 10.08 | ≤ 10.50 | Pass |

| Test Mode | Data Rate/ MCS | Channel No. | Freq. (MHz) | PSD (dBm/ MHz) | Duty Cycle (%) | Final PSD (dBm/ MHz) | PSD Limit (dBm/ MHz) | Result |
|------------|-------------------|----------------|----------------|-------------------|-------------------|----------------------------|----------------------------|--------|
| Ant 1 | | | | | | | | |
| 11n-HT40 | MCS0 | 54 | 5270 | 7.68 | 96.61 | 7.83 | ≤ 10.50 | Pass |
| 11n-HT40 | MCS0 | 62 | 5310 | 5.54 | 96.61 | 5.69 | ≤ 10.50 | Pass |
| 11n-HT40 | MCS0 | 102 | 5510 | 5.22 | 96.61 | 5.37 | ≤ 10.50 | Pass |
| 11n-HT40 | MCS0 | 110 | 5550 | 7.66 | 96.61 | 7.81 | ≤ 10.50 | Pass |
| 11n-HT40 | MCS0 | 118 | 5590 | 8.10 | 96.61 | 8.25 | ≤ 10.50 | Pass |
| 11n-HT40 | MCS0 | 134 | 5670 | 8.27 | 96.61 | 8.42 | ≤ 10.50 | Pass |
| 11n-HT40 | MCS0 | 142 | 5710 | 7.97 | 96.61 | 8.12 | ≤ 10.50 | Pass |
| 11ac-VHT20 | MCS0 | 52 | 5260 | 9.83 | 98.21 | 9.83 | ≤ 10.50 | Pass |
| 11ac-VHT20 | MCS0 | 60 | 5300 | 9.80 | 98.21 | 9.80 | ≤ 10.50 | Pass |
| 11ac-VHT20 | MCS0 | 64 | 5320 | 9.99 | 98.21 | 9.99 | ≤ 10.50 | Pass |
| 11ac-VHT20 | MCS0 | 100 | 5500 | 9.80 | 98.21 | 9.80 | ≤ 10.50 | Pass |
| 11ac-VHT20 | MCS0 | 116 | 5580 | 10.12 | 98.21 | 10.12 | ≤ 10.50 | Pass |
| 11ac-VHT20 | MCS0 | 120 | 5600 | 10.09 | 98.21 | 10.09 | ≤ 10.50 | Pass |
| 11ac-VHT20 | MCS0 | 140 | 5700 | 10.09 | 98.21 | 10.09 | ≤ 10.50 | Pass |
| 11ac-VHT20 | MCS0 | 144 | 5720 | 9.85 | 98.21 | 9.85 | ≤ 10.50 | Pass |
| 11ac-VHT40 | MCS0 | 54 | 5270 | 8.01 | 96.43 | 8.17 | ≤ 10.50 | Pass |
| 11ac-VHT40 | MCS0 | 62 | 5310 | 5.60 | 96.43 | 5.76 | ≤ 10.50 | Pass |
| 11ac-VHT40 | MCS0 | 102 | 5510 | 4.87 | 96.43 | 5.03 | ≤ 10.50 | Pass |
| 11ac-VHT40 | MCS0 | 110 | 5550 | 7.77 | 96.43 | 7.93 | ≤ 10.50 | Pass |
| 11ac-VHT40 | MCS0 | 118 | 5590 | 8.01 | 96.43 | 8.17 | ≤ 10.50 | Pass |
| 11ac-VHT40 | MCS0 | 134 | 5670 | 8.12 | 96.43 | 8.28 | ≤ 10.50 | Pass |
| 11ac-VHT40 | MCS0 | 142 | 5710 | 8.03 | 96.43 | 8.19 | ≤ 10.50 | Pass |
| 11ac-VHT80 | MCS0 | 58 | 5290 | 2.09 | 91.40 | 2.48 | ≤ 10.50 | Pass |
| 11ac-VHT80 | MCS0 | 106 | 5530 | 0.29 | 91.40 | 0.68 | ≤ 10.50 | Pass |
| 11ac-VHT80 | MCS0 | 122 | 5610 | 4.44 | 91.40 | 4.83 | ≤ 10.50 | Pass |
| 11ac-VHT80 | MCS0 | 138 | 5690 | 4.64 | 91.40 | 5.03 | ≤ 10.50 | Pass |

Note 1: When EUT duty cycle $\geq 98\%$, the Final PSD (dBm/MHz) = PSD (dBm/MHz).

Note 2: When EUT duty cycle $< 98\%$, the Final PSD (dBm/MHz) = PSD (dBm/MHz) + $10 \cdot \log(1/\text{Duty Cycle})$.

Note 3: EIRP PSD (dBm/MHz) = Final PSD (dBm/MHz) + Antenna Gain (dBi).

| Test Mode | Data Rate/ MCS | Channel No. | Freq. (MHz) | PSD (dBm/ MHz) | Duty Cycle (%) | Final PSD (dBm/ MHz) | PSD Limit (dBm/ MHz) | Result |
|-----------|-------------------|----------------|----------------|-------------------|-------------------|----------------------------|----------------------------|--------|
| Ant 2 | | | | | | | | |
| 11a | 6Mbps | 52 | 5260 | 10.08 | 95.80 | 10.27 | ≤ 10.50 | Pass |
| 11a | 6Mbps | 60 | 5300 | 10.00 | 95.80 | 10.19 | ≤ 10.50 | Pass |
| 11a | 6Mbps | 64 | 5320 | 10.00 | 95.80 | 10.19 | ≤ 10.50 | Pass |
| 11a | 6Mbps | 100 | 5500 | 10.09 | 95.80 | 10.28 | ≤ 10.50 | Pass |
| 11a | 6Mbps | 116 | 5580 | 10.13 | 95.80 | 10.32 | ≤ 10.50 | Pass |
| 11a | 6Mbps | 120 | 5600 | 9.91 | 95.80 | 10.10 | ≤ 10.50 | Pass |
| 11a | 6Mbps | 140 | 5700 | 10.11 | 95.80 | 10.30 | ≤ 10.50 | Pass |
| 11a | 6Mbps | 144 | 5720 | 10.02 | 95.80 | 10.21 | ≤ 10.50 | Pass |
| 11n-HT20 | MCS0 | 52 | 5260 | 10.02 | 98.07 | 10.02 | ≤ 10.50 | Pass |
| 11n-HT20 | MCS0 | 60 | 5300 | 10.04 | 98.07 | 10.04 | ≤ 10.50 | Pass |
| 11n-HT20 | MCS0 | 64 | 5320 | 9.92 | 98.07 | 9.92 | ≤ 10.50 | Pass |
| 11n-HT20 | MCS0 | 100 | 5500 | 10.08 | 98.07 | 10.08 | ≤ 10.50 | Pass |
| 11n-HT20 | MCS0 | 116 | 5580 | 10.04 | 98.07 | 10.04 | ≤ 10.50 | Pass |
| 11n-HT20 | MCS0 | 120 | 5600 | 10.07 | 98.07 | 10.07 | ≤ 10.50 | Pass |
| 11n-HT20 | MCS0 | 140 | 5700 | 9.75 | 98.07 | 9.75 | ≤ 10.50 | Pass |
| 11n-HT20 | MCS0 | 144 | 5720 | 9.95 | 98.07 | 9.95 | ≤ 10.50 | Pass |

| Test Mode | Data Rate/ MCS | Channel No. | Freq. (MHz) | PSD (dBm/ MHz) | Duty Cycle (%) | Final PSD (dBm/ MHz) | PSD Limit (dBm/ MHz) | Result |
|------------|-------------------|----------------|----------------|-------------------|-------------------|----------------------------|----------------------------|--------|
| Ant 2 | | | | | | | | |
| 11n-HT40 | MCS0 | 54 | 5270 | 8.27 | 96.61 | 8.42 | ≤ 10.50 | Pass |
| 11n-HT40 | MCS0 | 62 | 5310 | 5.93 | 96.61 | 6.08 | ≤ 10.50 | Pass |
| 11n-HT40 | MCS0 | 102 | 5510 | 5.86 | 96.61 | 6.01 | ≤ 10.50 | Pass |
| 11n-HT40 | MCS0 | 110 | 5550 | 8.09 | 96.61 | 8.24 | ≤ 10.50 | Pass |
| 11n-HT40 | MCS0 | 118 | 5590 | 8.46 | 96.61 | 8.61 | ≤ 10.50 | Pass |
| 11n-HT40 | MCS0 | 134 | 5670 | 8.38 | 96.61 | 8.53 | ≤ 10.50 | Pass |
| 11n-HT40 | MCS0 | 142 | 5710 | 8.44 | 96.61 | 8.59 | ≤ 10.50 | Pass |
| 11ac-VHT20 | MCS0 | 52 | 5260 | 9.87 | 98.21 | 9.87 | ≤ 10.50 | Pass |
| 11ac-VHT20 | MCS0 | 60 | 5300 | 9.98 | 98.21 | 9.98 | ≤ 10.50 | Pass |
| 11ac-VHT20 | MCS0 | 64 | 5320 | 9.98 | 98.21 | 9.98 | ≤ 10.50 | Pass |
| 11ac-VHT20 | MCS0 | 100 | 5500 | 10.08 | 98.21 | 10.08 | ≤ 10.50 | Pass |
| 11ac-VHT20 | MCS0 | 116 | 5580 | 10.06 | 98.21 | 10.06 | ≤ 10.50 | Pass |
| 11ac-VHT20 | MCS0 | 120 | 5600 | 10.09 | 98.21 | 10.09 | ≤ 10.50 | Pass |
| 11ac-VHT20 | MCS0 | 140 | 5700 | 9.53 | 98.21 | 9.53 | ≤ 10.50 | Pass |
| 11ac-VHT20 | MCS0 | 144 | 5720 | 9.99 | 98.21 | 9.99 | ≤ 10.50 | Pass |
| 11ac-VHT40 | MCS0 | 54 | 5270 | 8.26 | 96.43 | 8.42 | ≤ 10.50 | Pass |
| 11ac-VHT40 | MCS0 | 62 | 5310 | 5.99 | 96.43 | 6.15 | ≤ 10.50 | Pass |
| 11ac-VHT40 | MCS0 | 102 | 5510 | 6.47 | 96.43 | 6.63 | ≤ 10.50 | Pass |
| 11ac-VHT40 | MCS0 | 110 | 5550 | 8.12 | 96.43 | 8.28 | ≤ 10.50 | Pass |
| 11ac-VHT40 | MCS0 | 118 | 5590 | 8.37 | 96.43 | 8.53 | ≤ 10.50 | Pass |
| 11ac-VHT40 | MCS0 | 134 | 5670 | 8.51 | 96.43 | 8.67 | ≤ 10.50 | Pass |
| 11ac-VHT40 | MCS0 | 142 | 5710 | 8.62 | 96.43 | 8.78 | ≤ 10.50 | Pass |
| 11ac-VHT80 | MCS0 | 58 | 5290 | 2.42 | 91.40 | 2.81 | ≤ 10.50 | Pass |
| 11ac-VHT80 | MCS0 | 106 | 5530 | 1.45 | 91.40 | 1.84 | ≤ 10.50 | Pass |
| 11ac-VHT80 | MCS0 | 122 | 5610 | 4.38 | 91.40 | 4.77 | ≤ 10.50 | Pass |
| 11ac-VHT80 | MCS0 | 138 | 5690 | 4.71 | 91.40 | 5.10 | ≤ 10.50 | Pass |

Note 1: When EUT duty cycle ≥ 98%, the Final PSD (dBm/MHz) = PSD (dBm/MHz).

Note 2: When EUT duty cycle < 98%, the Final PSD (dBm/MHz) = PSD (dBm/MHz) + 10*log(1/Duty Cycle).

Note 3: EIRP PSD (dBm/MHz) = Final PSD (dBm/MHz) + Antenna Gain (dBi)

| Test Mode | Data Rate/ MCS | Channel No. | Freq. (MHz) | Ant 1 PSD (dBm/ MHz) | Ant 2 PSD (dBm/ MHz) | Duty Cycle (%) | Total PSD (dBm/ MHz) | PSD Limit (dBm/ MHz) | Result |
|----------------------|-------------------|-------------|----------------|----------------------------|----------------------------|----------------|----------------------------|----------------------------|--------|
| Ant 1 + 2 (CDD Mode) | | | | | | | | | |
| 11a | 6Mbps | 52 | 5260 | 3.54 | 4.36 | 95.80 | 7.17 | ≤ 7.49 | Pass |
| 11a | 6Mbps | 60 | 5300 | 3.37 | 4.09 | 95.80 | 6.94 | ≤ 7.49 | Pass |
| 11a | 6Mbps | 64 | 5320 | 3.43 | 4.03 | 95.80 | 6.94 | ≤ 7.49 | Pass |
| 11a | 6Mbps | 100 | 5500 | 3.51 | 4.24 | 95.80 | 7.09 | ≤ 7.49 | Pass |
| 11a | 6Mbps | 116 | 5580 | 3.73 | 4.35 | 95.80 | 7.25 | ≤ 7.49 | Pass |
| 11a | 6Mbps | 120 | 5600 | 3.64 | 4.35 | 95.80 | 7.21 | ≤ 7.49 | Pass |
| 11a | 6Mbps | 140 | 5700 | 3.56 | 4.23 | 95.80 | 7.10 | ≤ 7.49 | Pass |
| 11a | 6Mbps | 144 | 5720 | 3.74 | 4.26 | 95.80 | 7.20 | ≤ 7.49 | Pass |
| 11n-HT20 | MCS0 | 52 | 5260 | 3.52 | 4.35 | 98.07 | 6.97 | ≤ 7.49 | Pass |
| 11n-HT20 | MCS0 | 60 | 5300 | 3.26 | 4.10 | 98.07 | 6.71 | ≤ 7.49 | Pass |
| 11n-HT20 | MCS0 | 64 | 5320 | 3.56 | 4.40 | 98.07 | 7.01 | ≤ 7.49 | Pass |
| 11n-HT20 | MCS0 | 100 | 5500 | 3.75 | 4.27 | 98.07 | 7.03 | ≤ 7.49 | Pass |
| 11n-HT20 | MCS0 | 116 | 5580 | 3.77 | 4.43 | 98.07 | 7.12 | ≤ 7.49 | Pass |
| 11n-HT20 | MCS0 | 120 | 5600 | 3.77 | 4.45 | 98.07 | 7.13 | ≤ 7.49 | Pass |
| 11n-HT20 | MCS0 | 140 | 5700 | 3.64 | 4.30 | 98.07 | 7.00 | ≤ 7.49 | Pass |
| 11n-HT20 | MCS0 | 144 | 5720 | 3.35 | 4.26 | 98.07 | 6.84 | ≤ 7.49 | Pass |
| 11n-HT40 | MCS0 | 54 | 5270 | 3.67 | 4.32 | 96.61 | 7.17 | ≤ 7.49 | Pass |
| 11n-HT40 | MCS0 | 62 | 5310 | 3.66 | 4.06 | 96.61 | 7.02 | ≤ 7.49 | Pass |
| 11n-HT40 | MCS0 | 102 | 5510 | 3.37 | 4.27 | 96.61 | 7.00 | ≤ 7.49 | Pass |
| 11n-HT40 | MCS0 | 110 | 5550 | 3.69 | 4.30 | 96.61 | 7.17 | ≤ 7.49 | Pass |
| 11n-HT40 | MCS0 | 118 | 5590 | 3.65 | 3.93 | 96.61 | 6.95 | ≤ 7.49 | Pass |
| 11n-HT40 | MCS0 | 134 | 5670 | 3.54 | 4.31 | 96.61 | 7.10 | ≤ 7.49 | Pass |
| 11n-HT40 | MCS0 | 142 | 5710 | 3.62 | 4.03 | 96.61 | 6.99 | ≤ 7.49 | Pass |

| Test Mode | Data Rate/ MCS | Channel No. | Freq. (MHz) | Ant 1 PSD (dBm/ MHz) | Ant 2 PSD (dBm/ MHz) | Duty Cycle (%) | Total PSD (dBm/ MHz) | PSD Limit (dBm/ MHz) | Result |
|----------------------|-------------------|-------------|----------------|----------------------------|----------------------------|----------------|----------------------------|----------------------------|--------|
| Ant 1 + 2 (CDD Mode) | | | | | | | | | |
| 11ac-VHT20 | MCS0 | 52 | 5260 | 3.39 | 4.41 | 98.21 | 7.02 | ≤ 7.49 | Pass |
| 11ac-VHT20 | MCS0 | 60 | 5300 | 3.71 | 4.45 | 98.21 | 7.18 | ≤ 7.49 | Pass |
| 11ac-VHT20 | MCS0 | 64 | 5320 | 3.56 | 4.39 | 98.21 | 7.08 | ≤ 7.49 | Pass |
| 11ac-VHT20 | MCS0 | 100 | 5500 | 3.41 | 4.46 | 98.21 | 7.06 | ≤ 7.49 | Pass |
| 11ac-VHT20 | MCS0 | 116 | 5580 | 3.65 | 4.37 | 98.21 | 7.04 | ≤ 7.49 | Pass |
| 11ac-VHT20 | MCS0 | 120 | 5600 | 3.68 | 4.24 | 98.21 | 7.06 | ≤ 7.49 | Pass |
| 11ac-VHT20 | MCS0 | 140 | 5700 | 3.58 | 4.27 | 98.21 | 7.03 | ≤ 7.49 | Pass |
| 11ac-VHT20 | MCS0 | 144 | 5720 | 3.67 | 4.11 | 98.21 | 6.98 | ≤ 7.49 | Pass |
| 11ac-VHT40 | MCS0 | 54 | 5270 | 3.70 | 4.35 | 96.43 | 7.21 | ≤ 7.49 | Pass |
| 11ac-VHT40 | MCS0 | 62 | 5310 | 3.60 | 4.37 | 96.43 | 7.17 | ≤ 7.49 | Pass |
| 11ac-VHT40 | MCS0 | 102 | 5510 | 3.49 | 4.41 | 96.43 | 7.14 | ≤ 7.49 | Pass |
| 11ac-VHT40 | MCS0 | 110 | 5550 | 3.71 | 4.36 | 96.43 | 7.22 | ≤ 7.49 | Pass |
| 11ac-VHT40 | MCS0 | 118 | 5590 | 3.52 | 3.79 | 96.43 | 6.83 | ≤ 7.49 | Pass |
| 11ac-VHT40 | MCS0 | 134 | 5670 | 3.78 | 4.24 | 96.43 | 7.18 | ≤ 7.49 | Pass |
| 11ac-VHT40 | MCS0 | 142 | 5710 | 3.65 | 4.25 | 96.43 | 7.13 | ≤ 7.49 | Pass |
| 11ac-VHT80 | MCS0 | 58 | 5290 | 1.02 | 1.52 | 91.40 | 4.68 | ≤ 7.49 | Pass |
| 11ac-VHT80 | MCS0 | 106 | 5530 | -1.21 | -0.68 | 91.40 | 2.46 | ≤ 7.49 | Pass |
| 11ac-VHT80 | MCS0 | 122 | 5610 | 2.85 | 3.67 | 91.40 | 6.68 | ≤ 7.49 | Pass |
| 11ac-VHT80 | MCS0 | 138 | 5690 | 2.48 | 3.14 | 91.40 | 6.22 | ≤ 7.49 | Pass |

Note 1: When EUT duty cycle ≥ 98%, the total PSD = $10^{\log\{10^{(\text{Ant 1 PSD}/10)} + 10^{(\text{Ant 2 PSD}/10)}\}}$

Note 2: When EUT duty cycle < 98%, the total PSD = $10^{\log\{10^{(\text{Ant 1 PSD}/10)} + 10^{(\text{Ant 2 PSD}/10)}\}} + 10^{\log(1/\text{duty cycle})}$

Note 3: EIRP PSD (dBm/MHz) = Total PSD (dBm/MHz) + Antenna Gain(dBi)

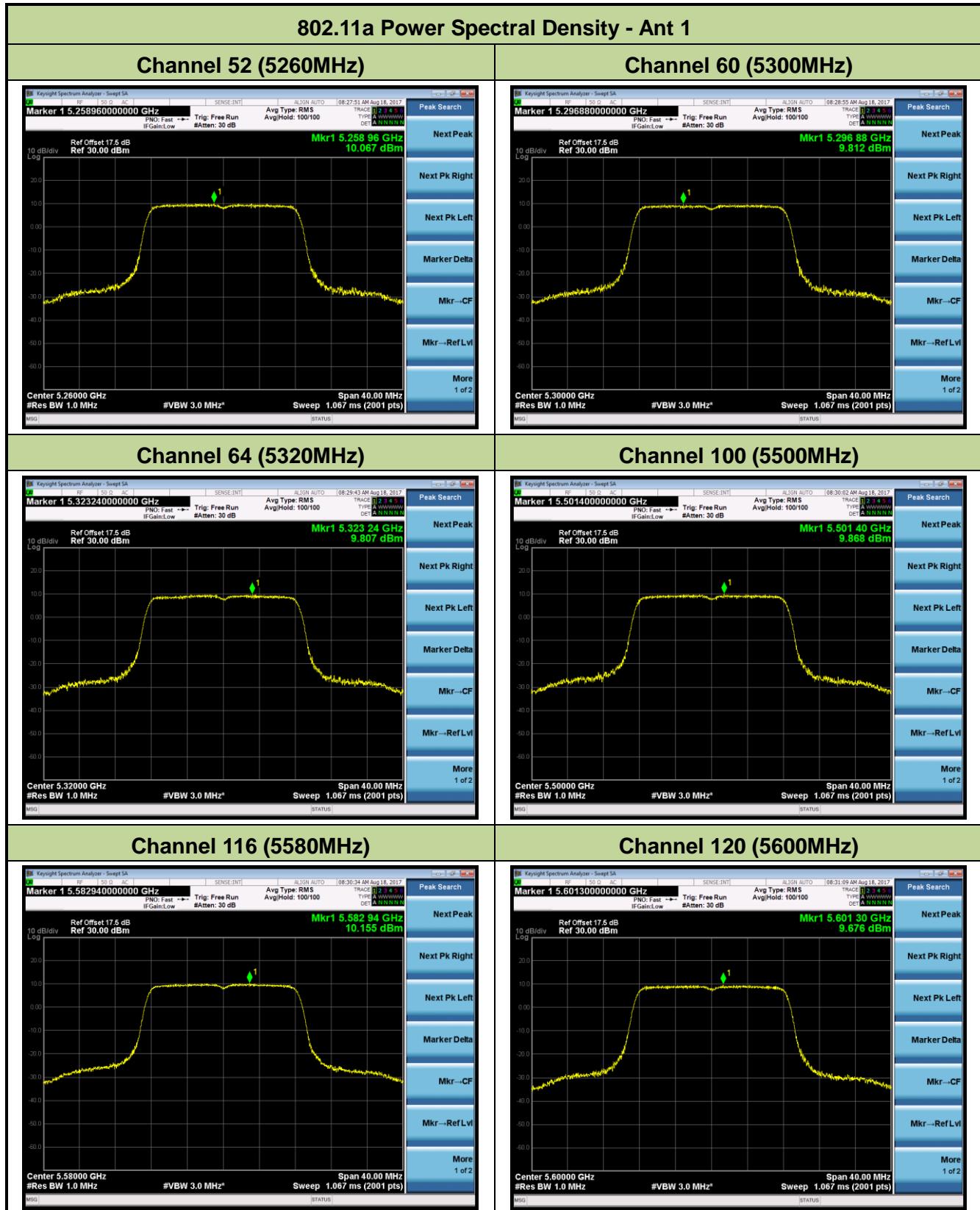
| Test Mode | Data Rate/ MCS | Channel No. | Freq. (MHz) | Ant 1 PSD (dBm/ MHz) | Ant 2 PSD (dBm/ MHz) | Duty Cycle (%) | Total PSD (dBm/ MHz) | PSD Limit (dBm/ MHz) | Result |
|-------------------------------|-------------------|-------------|----------------|----------------------------|----------------------------|----------------|----------------------------|----------------------------|--------|
| Ant 1 + 2 (Beam-Forming Mode) | | | | | | | | | |
| 11n-HT20 | MCS0 | 52 | 5260 | 3.52 | 4.35 | 98.07 | 6.97 | ≤ 7.49 | Pass |
| 11n-HT20 | MCS0 | 60 | 5300 | 3.26 | 4.10 | 98.07 | 6.71 | ≤ 7.49 | Pass |
| 11n-HT20 | MCS0 | 64 | 5320 | 3.56 | 4.40 | 98.07 | 7.01 | ≤ 7.49 | Pass |
| 11n-HT20 | MCS0 | 100 | 5500 | 3.75 | 4.27 | 98.07 | 7.03 | ≤ 7.49 | Pass |
| 11n-HT20 | MCS0 | 116 | 5580 | 3.77 | 4.43 | 98.07 | 7.12 | ≤ 7.49 | Pass |
| 11n-HT20 | MCS0 | 120 | 5600 | 3.77 | 4.45 | 98.07 | 7.13 | ≤ 7.49 | Pass |
| 11n-HT20 | MCS0 | 140 | 5700 | 3.64 | 4.30 | 98.07 | 7.00 | ≤ 7.49 | Pass |
| 11n-HT20 | MCS0 | 144 | 5720 | 3.35 | 4.26 | 98.07 | 6.84 | ≤ 7.49 | Pass |
| 11n-HT40 | MCS0 | 54 | 5270 | 2.13 | 2.84 | 96.61 | 5.66 | ≤ 7.49 | Pass |
| 11n-HT40 | MCS0 | 62 | 5310 | 1.93 | 2.53 | 96.61 | 5.40 | ≤ 7.49 | Pass |
| 11n-HT40 | MCS0 | 102 | 5510 | 1.98 | 3.08 | 96.61 | 5.72 | ≤ 7.49 | Pass |
| 11n-HT40 | MCS0 | 110 | 5550 | 2.47 | 3.36 | 96.61 | 6.10 | ≤ 7.49 | Pass |
| 11n-HT40 | MCS0 | 118 | 5590 | 2.31 | 2.99 | 96.61 | 5.82 | ≤ 7.49 | Pass |
| 11n-HT40 | MCS0 | 134 | 5670 | 1.77 | 2.33 | 96.61 | 5.22 | ≤ 7.49 | Pass |
| 11n-HT40 | MCS0 | 142 | 5710 | 1.75 | 2.27 | 96.61 | 5.18 | ≤ 7.49 | Pass |
| 11ac-VHT20 | MCS0 | 52 | 5260 | 3.39 | 4.41 | 98.21 | 6.94 | ≤ 7.49 | Pass |
| 11ac-VHT20 | MCS0 | 60 | 5300 | 3.71 | 4.45 | 98.21 | 7.11 | ≤ 7.49 | Pass |
| 11ac-VHT20 | MCS0 | 64 | 5320 | 3.56 | 4.39 | 98.21 | 7.01 | ≤ 7.49 | Pass |
| 11ac-VHT20 | MCS0 | 100 | 5500 | 3.41 | 4.46 | 98.21 | 6.98 | ≤ 7.49 | Pass |
| 11ac-VHT20 | MCS0 | 116 | 5580 | 3.65 | 4.37 | 98.21 | 7.04 | ≤ 7.49 | Pass |
| 11ac-VHT20 | MCS0 | 120 | 5600 | 3.68 | 4.24 | 98.21 | 6.98 | ≤ 7.49 | Pass |
| 11ac-VHT20 | MCS0 | 140 | 5700 | 3.58 | 4.27 | 98.21 | 6.95 | ≤ 7.49 | Pass |
| 11ac-VHT20 | MCS0 | 144 | 5720 | 3.67 | 4.11 | 98.21 | 6.91 | ≤ 7.49 | Pass |
| 11ac-VHT40 | MCS0 | 54 | 5270 | 2.07 | 2.90 | 96.43 | 5.67 | ≤ 7.49 | Pass |
| 11ac-VHT40 | MCS0 | 62 | 5310 | 1.89 | 2.81 | 96.43 | 5.54 | ≤ 7.49 | Pass |
| 11ac-VHT40 | MCS0 | 102 | 5510 | 1.93 | 3.47 | 96.43 | 5.94 | ≤ 7.49 | Pass |
| 11ac-VHT40 | MCS0 | 110 | 5550 | 2.32 | 3.17 | 96.43 | 5.93 | ≤ 7.49 | Pass |
| 11ac-VHT40 | MCS0 | 118 | 5590 | 2.48 | 2.98 | 96.43 | 5.91 | ≤ 7.49 | Pass |
| 11ac-VHT40 | MCS0 | 134 | 5670 | 1.95 | 2.48 | 96.43 | 5.39 | ≤ 7.49 | Pass |
| 11ac-VHT40 | MCS0 | 142 | 5710 | 1.93 | 2.36 | 96.43 | 5.32 | ≤ 7.49 | Pass |

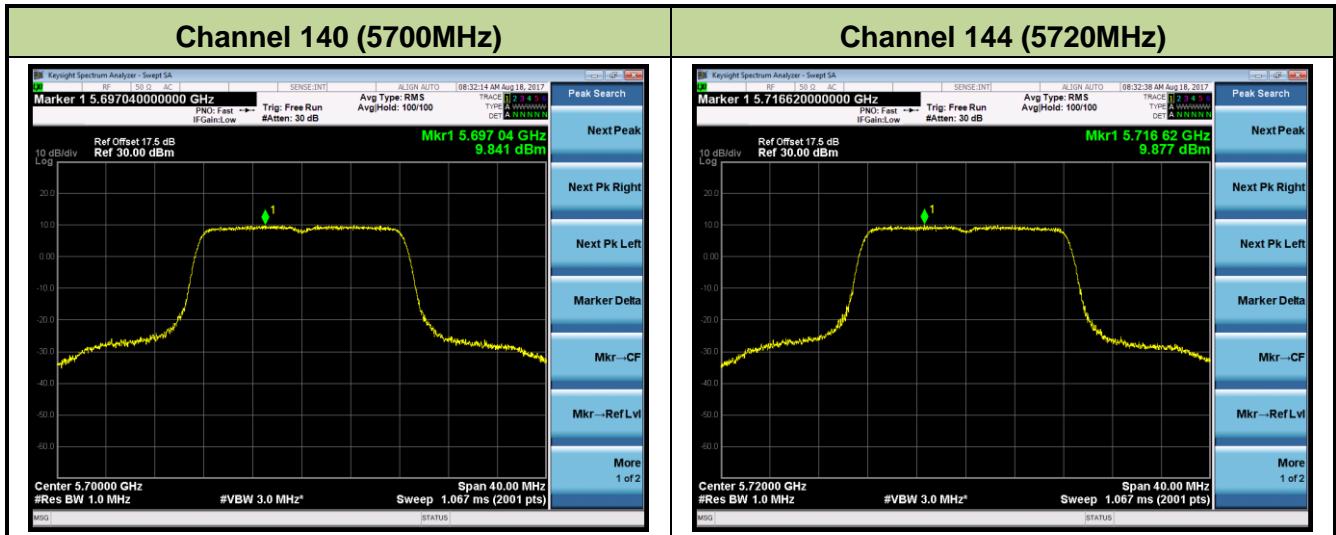
| Test Mode | Data Rate/ MCS | Channel No. | Freq. (MHz) | Ant 1 PSD (dBm/ MHz) | Ant 2 PSD (dBm/ MHz) | Duty Cycle (%) | Total PSD (dBm/ MHz) | PSD Limit (dBm/ MHz) | Result |
|-------------------------------|-------------------|-------------|----------------|----------------------------|----------------------------|----------------|----------------------------|----------------------------|--------|
| Ant 1 + 2 (Beam-Forming Mode) | | | | | | | | | |
| 11ac-VHT80 | MCS0 | 58 | 5290 | -1.16 | -0.50 | 91.40 | 2.58 | ≤ 7.49 | Pass |
| 11ac-VHT80 | MCS0 | 106 | 5530 | -1.56 | -0.67 | 91.40 | 2.31 | ≤ 7.49 | Pass |
| 11ac-VHT80 | MCS0 | 122 | 5610 | -1.77 | -1.13 | 91.40 | 1.96 | ≤ 7.49 | Pass |
| 11ac-VHT80 | MCS0 | 138 | 5690 | -1.95 | -1.16 | 91.40 | 1.86 | ≤ 7.49 | Pass |

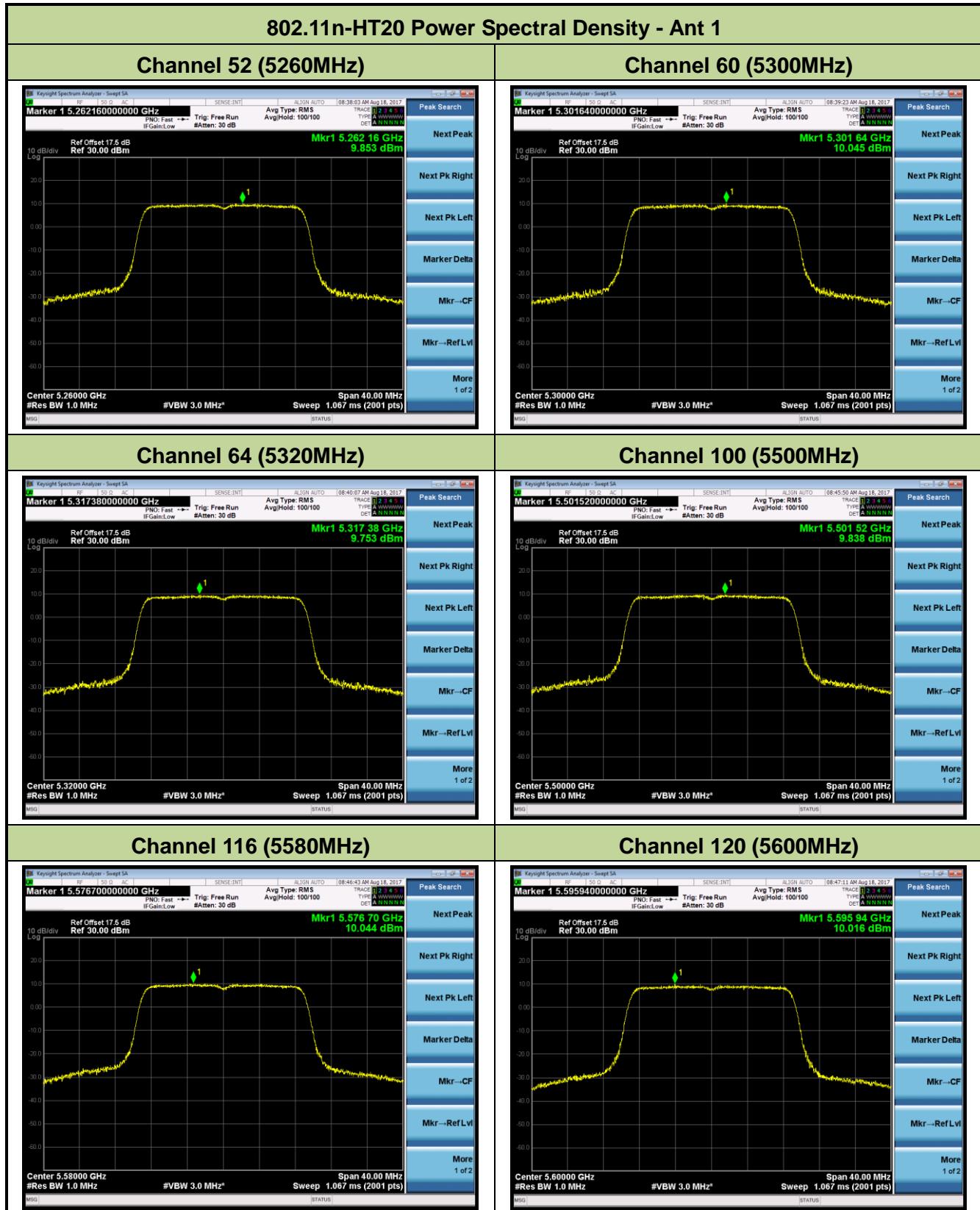
Note 1: When EUT duty cycle $\geq 98\%$, the total PSD = $10^{\log\{10^{(\text{Ant 1 PSD}/10)} + 10^{(\text{Ant 2 PSD}/10)}\}}$

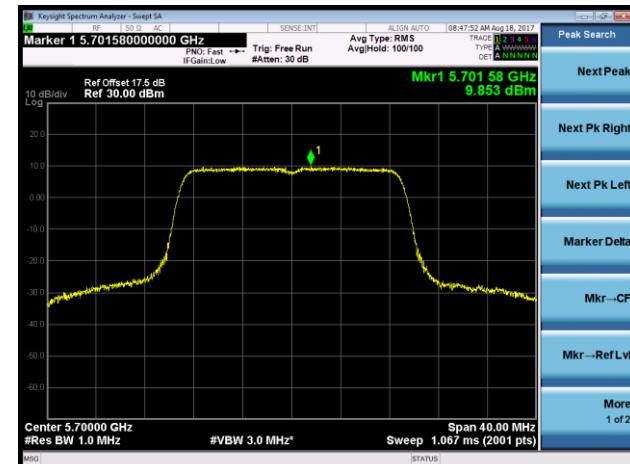
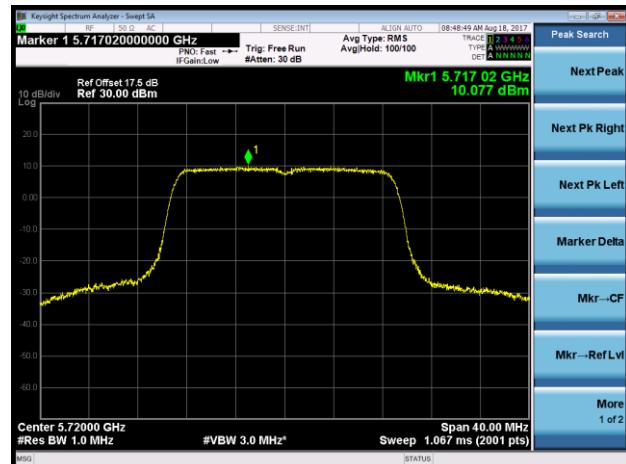
Note 2: When EUT duty cycle $< 98\%$, the total PSD = $10^{\log\{10^{(\text{Ant 1 PSD}/10)} + 10^{(\text{Ant 2 PSD}/10)}\}} + 10^{\log(1/\text{duty cycle})}$

Note 3: EIRP PSD (dBm/MHz) = Total PSD (dBm/MHz) + Antenna Gain(dBi)



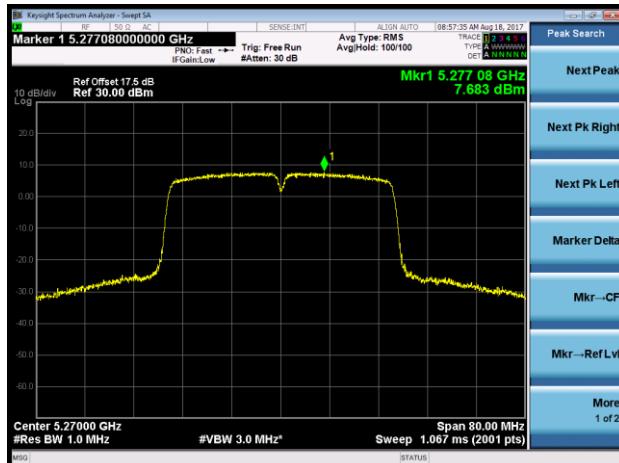




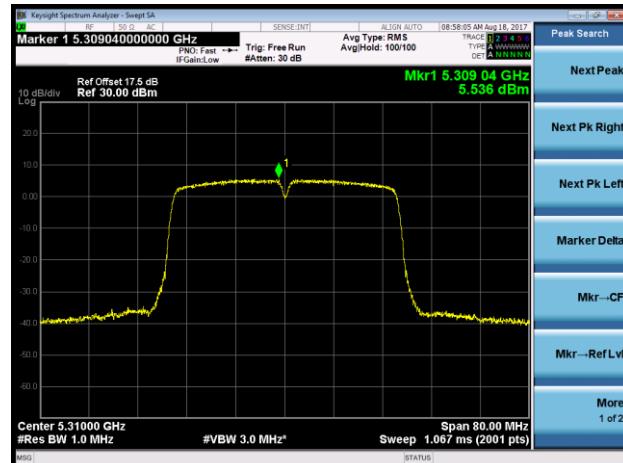
Channel 140 (5700MHz)

Channel 144 (5720MHz)


802.11n-HT40 Power Spectral Density - Ant 1

Channel 54 (5270MHz)



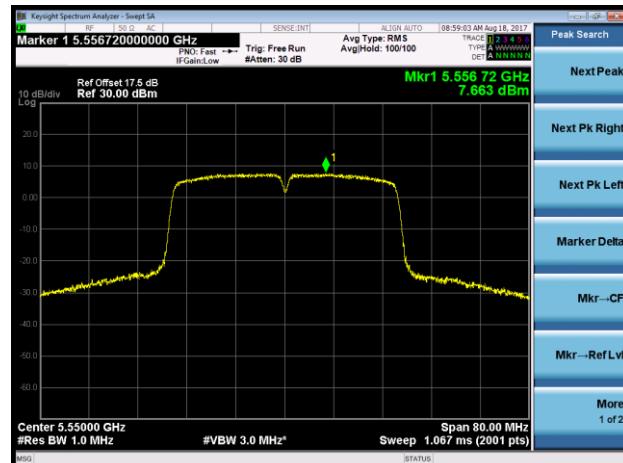
Channel 62 (5310MHz)



Channel 102 (5510MHz)



Channel 110 (5550MHz)



Channel 118 (5590MHz)



Channel 134 (5670MHz)

