





5. AVGSA Power Spectral Density

5.1 Test Data

| Mode | Test Frequency (MHz) | Ant | Duty Cycle Factor (dB) | PSD (dBm) | Total PSD (dBm) | RBW (kHz) | Limit (dBm) | Result |
|---------------------|----------------------------|------|---------------------------------|--------------|-----------------------|--------------|----------------|--------|
| 802.11a | 5260 | Ant0 | 0.09 | 4.171 | 4.171 | 1000 | 11 | Pass |
| 802.11a | 5260 | Ant1 | 0.12 | 3.789 | 3.789 | 1000 | 11 | Pass |
| 802.11a | 5300 | Ant0 | 0.09 | 4.037 | 4.037 | 1000 | 11 | Pass |
| 802.11a | 5300 | Ant1 | 0.12 | 3.960 | 3.960 | 1000 | 11 | Pass |
| 802.11a | 5320 | Ant0 | 0.09 | 4.108 | 4.108 | 1000 | 11 | Pass |
| 802.11a | 5320 | Ant1 | 0.12 | 3.942 | 3.942 | 1000 | 11 | Pass |
| 802.11n (HT20) | 5260 | Ant0 | 0.10 | 2.967 | 5.829 | 1000 | 11 | Pass |
| 802.11n (HT20) | 5260 | Ant1 | 0.13 | 2.665 | | | | |
| 802.11n (HT20) | 5300 | Ant0 | 0.13 | 2.847 | 5.793 | 1000 | 11 | Pass |
| 802.11n (HT20) | 5300 | Ant1 | 0.10 | 2.717 | | | | |
| 802.11n (HT20) | 5320 | Ant0 | 0.10 | 2.893 | 5.815 | 1000 | 11 | Pass |
| 802.11n (HT20) | 5320 | Ant1 | 0.10 | 2.714 | | | | |
| 802.11n (HT40) | 5270 | Ant0 | 0.26 | -0.484 | 2.414 | 1000 | 11 | Pass |
| 802.11n (HT40) | 5270 | Ant1 | 0.26 | -0.712 | | | | |
| 802.11n (HT40) | 5310 | Ant0 | 0.26 | -0.514 | 2.280 | 1000 | 11 | Pass |
| 802.11n (HT40) | 5310 | Ant1 | 0.26 | -0.957 | | | | |
| 802.11ac (VHT80) | 5290 | Ant0 | 0.75 | -7.116 | -4.243 | 1000 | 11 | Pass |
| 802.11ac (VHT80) | 5290 | Ant1 | 0.75 | -7.396 | | | | |



5.2 Test Plots









