



5. AVGSA Power Spectral Density

5.1 Test Data

U-NII-1 AVGSA Power Spectral Density									
Mode	Test Frequency (MHz)	Ant	Duty Cycle Factor (dB)	PSD (dBm)	Total PSD (dBm)	FCC PSD Limit (dBm)	EIRP PSD (dBm)	Limit (dBm)	Result
802.11a	5180	Ant0	0.12	5.330	5.330	11	7.160	10	Pass
802.11a	5180	Ant1	0.09	6.162	6.162	11	7.692	10	Pass
802.11a	5200	Ant0	0.09	5.291	5.291	11	7.121	10	Pass
802.11a	5200	Ant1	0.09	6.264	6.264	11	7.794	10	Pass
802.11a	5240	Ant0	0.12	5.511	5.511	11	7.341	10	Pass
802.11a	5240	Ant1	0.09	6.714	6.714	11	8.244	10	Pass
802.11n (HT20)	5180	Ant0	0.10	4.282	7.199	11	8.882	10	Pass
802.11n (HT20)	5180	Ant1	0.13	4.094					
802.11n (HT20)	5200	Ant0	0.10	4.248	7.429	11	9.111	10	Pass
802.11n (HT20)	5200	Ant1	0.10	4.582					
802.11n (HT20)	5240	Ant0	0.10	4.641	7.804	11	9.486	10	Pass
802.11n (HT20)	5240	Ant1	0.10	4.941					
802.11n (HT40)	5190	Ant0	0.20	0.757	3.941	11	5.623	10	Pass
802.11n (HT40)	5190	Ant1	0.20	1.097					
802.11n (HT40)	5230	Ant0	0.20	0.825	4.195	11	5.878	10	Pass
802.11n (HT40)	5230	Ant1	0.20	1.517					
802.11ac (VHT80)	5210	Ant0	0.75	-3.807	-0.622	11	1.060	10	Pass
802.11ac (VHT80)	5210	Ant1	0.74	-3.465					

5.2 Test Plots





