

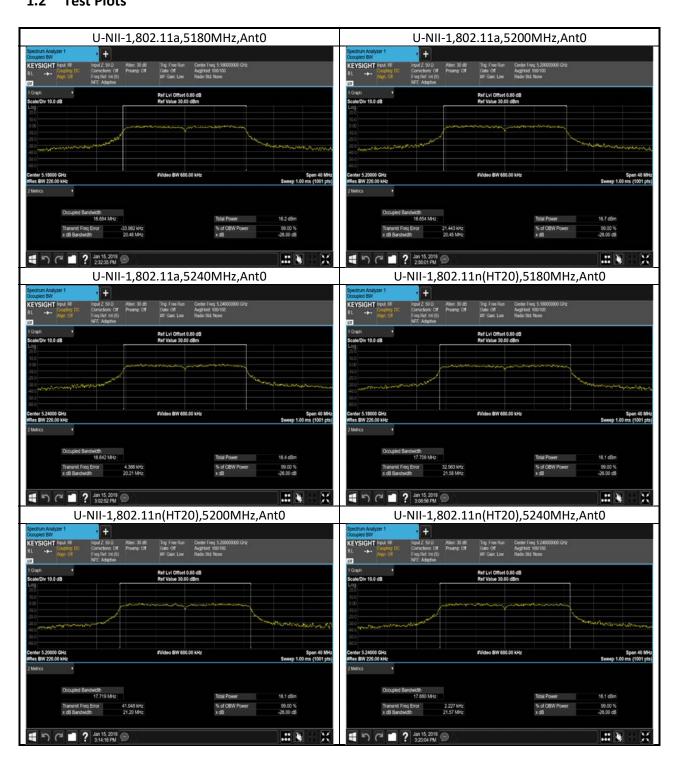


Appendix A: Test results of U-NII-1 Band

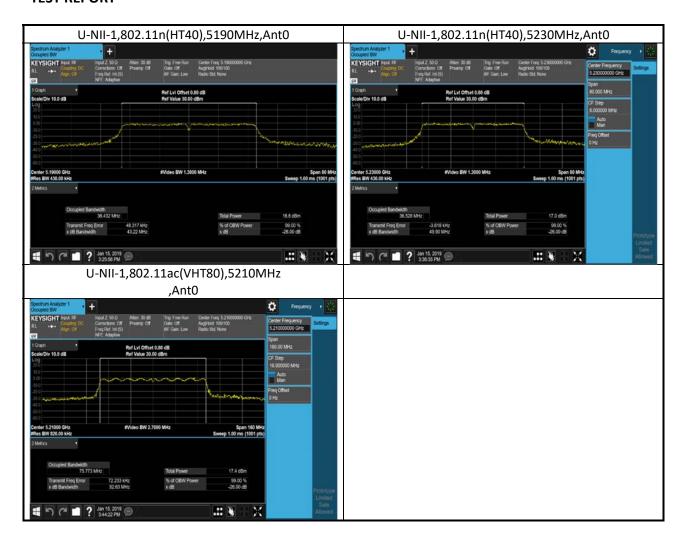
1 Occupied N dB Bandwidth

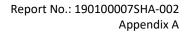
U-NII-1 Occupied N dB Bandwidth							
Mode	Test Frequency (MHz)	Ant Occupied Bandwidth (MHz)		Result			
802.11a	5180	Ant0	20.48	Pass			
802.11a	5200	Ant0	20.45	Pass			
802.11a	5240	Ant0	20.21	Pass			
802.11n (HT20)	5180	Ant0	21.58	Pass			
802.11n (HT20)	5200	Ant0	21.20	Pass			
802.11n (HT20)	5240	Ant0	21.57	Pass			
802.11n (HT40)	5190	Ant0	43.22	Pass			
802.11n (HT40)	5230	Ant0	49.90	Pass			
802.11ac (VHT80)	5210	Ant0	92.63	Pass			









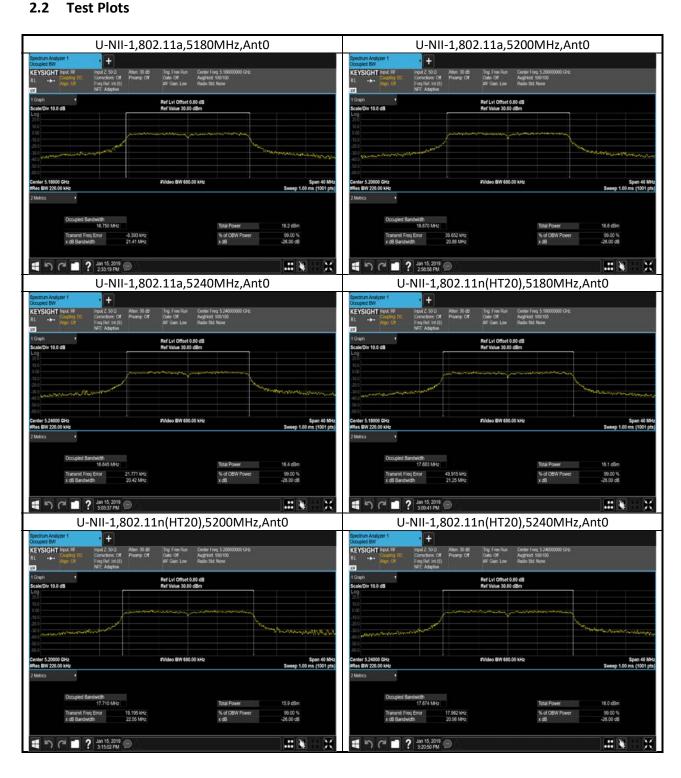




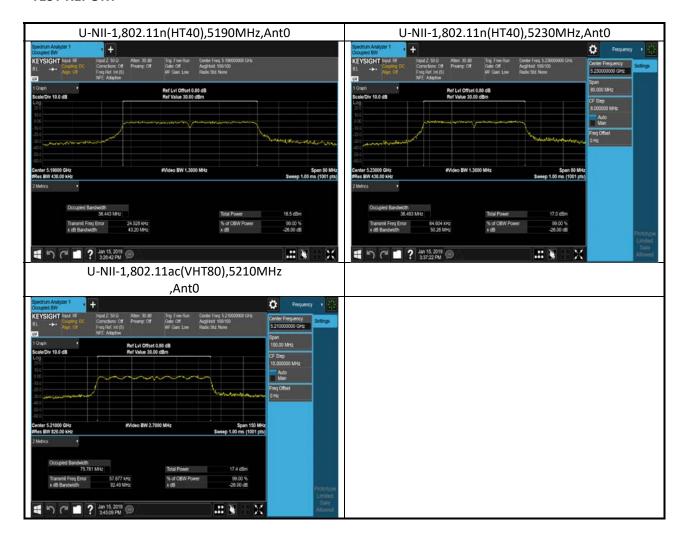
2 99% Occupied Bandwidth

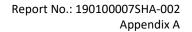
U-NII-1 99% Occupied Bandwidth							
Mode	Test Frequency		99% Occupied Bandwidth (MHz)	Result			
802.11a	5180	Ant0	16.750	Pass			
802.11a	5200	Ant0	16.670	Pass			
802.11a	5240	Ant0	16.645	Pass			
802.11n (HT20)	5180	Ant0	17.683	Pass			
802.11n (HT20)	5200	Ant0	17.710	Pass			
802.11n (HT20)	5240	Ant0	17.674	Pass			
802.11n (HT40)	5190	Ant0	36.443	Pass			
802.11n (HT40)	5230	Ant0	36.493	Pass			
802.11ac (VHT80)	5210	Ant0	75.781	Pass			









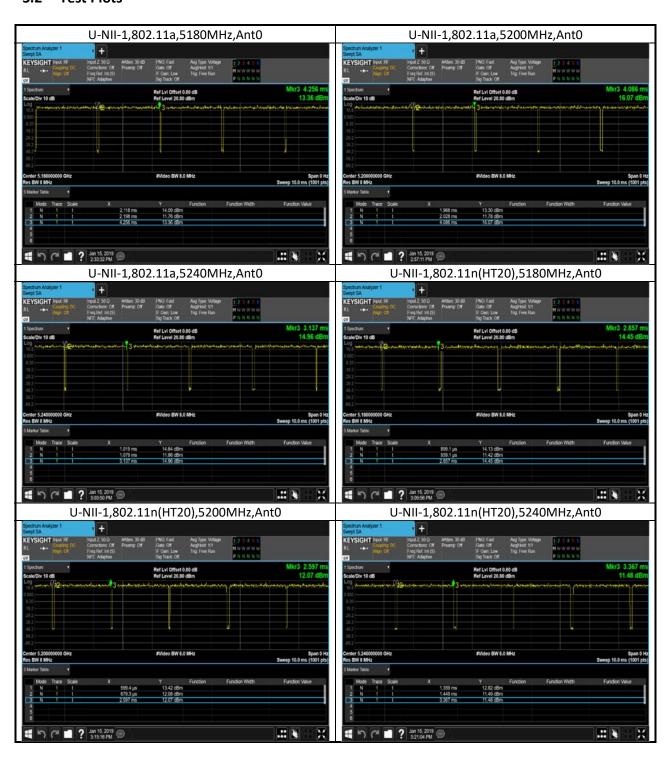




3 Duty Cycle

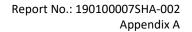
U-NII-1 Duty Cycle							
Mode	Test Frequency (MHz)	Ant	Duty Cycle (%)	Duty Cycle Factor (dB)			
802.11a	5180	Ant0	96.26	0.17			
802.11a	5200	Ant0	97.17	0.12			
802.11a	5240	Ant0	97.17	0.12			
802.11n (HT20)	5180	Ant0	97.96	0.09			
802.11n (HT20)	5200	Ant0	96.00	0.18			
802.11n (HT20)	5240	Ant0	95.52	0.20			
802.11n (HT40)	5190	Ant0	95.00	0.22			
802.11n (HT40)	5230	Ant0	94.95	0.23			
802.11ac (VHT80)	5210	Ant0	86.79	0.62			









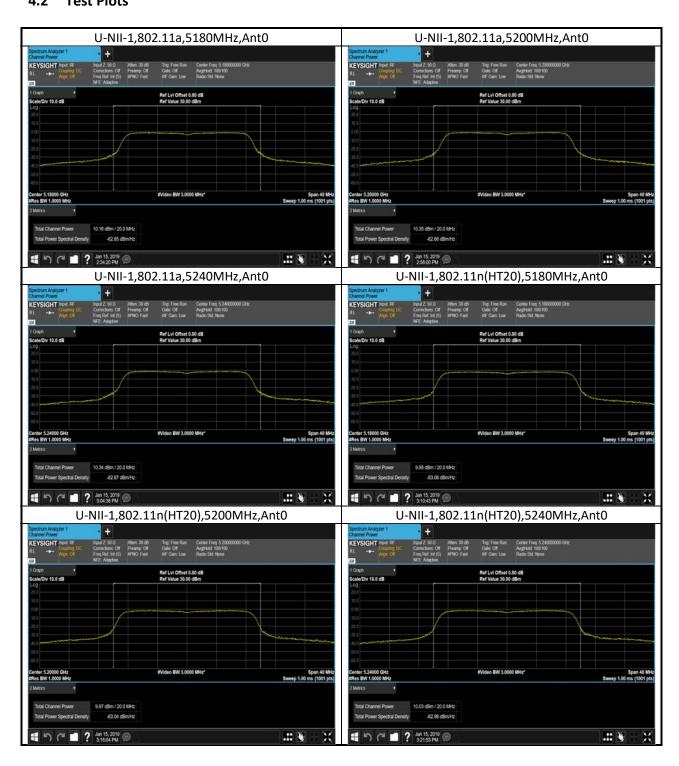




4 AVGSA Output Power

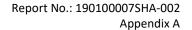
U-NII-1 AVGSA Output Power								
Mode	Test Frequency (MHz)	Ant	Duty Cycle Factor (dB)	Max Power (dBm)	Limit (dBm)	EIRP (dBm)	EIRP Limit (dBm)	Result
802.11a	5180	Ant0	0.17	10.33	24	13.03	23	Pass
802.11a	5200	Ant0	0.12	10.47	24	13.17	23	Pass
802.11a	5240	Ant0	0.12	10.46	24	13.16	23	Pass
802.11n (HT20)	5180	Ant0	0.09	10.04	24	12.74	23	Pass
802.11n (HT20)	5200	Ant0	0.18	10.15	24	12.85	23	Pass
802.11n (HT20)	5240	Ant0	0.20	10.23	24	12.93	23	Pass
802.11n (HT40)	5190	Ant0	0.22	10.35	24	13.05	23	Pass
802.11n (HT40)	5230	Ant0	0.23	10.73	24	13.43	23	Pass
802.11ac (VHT80)	5210	Ant0	0.62	10.49	24	13.19	23	Pass













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/MHz)	RBW (kHz)	Limit (dBm/MHz)	Result	
802.11a	5180	Ant0	0.17	-0.614	1000	11	Pass	
802.11a	5200	Ant0	0.12	-0.558	1000	11	Pass	
802.11a	5240	Ant0	0.12	-0.422	1000	11	Pass	
802.11n (HT20)	5180	Ant0	0.09	-1.392	1000	11	Pass	
802.11n (HT20)	5200	Ant0	0.18	-1.099	1000	11	Pass	
802.11n (HT20)	5240	Ant0	0.20	-1.051	1000	11	Pass	
802.11n (HT40)	5190	Ant0	0.22	-3.756	1000	11	Pass	
802.11n (HT40)	5230	Ant0	0.23	-3.515	1000	11	Pass	
802.11ac (VHT80)	5210	Ant0	0.62	-5.437	1000	11	Pass	

The maximum EIRP PSD = -0.422dBm/MHz+2.7dBi = **2.278**dBm/MHz which is lower than the limit of 10dBm in any 1 megahertz band listed in RSS-247.



