

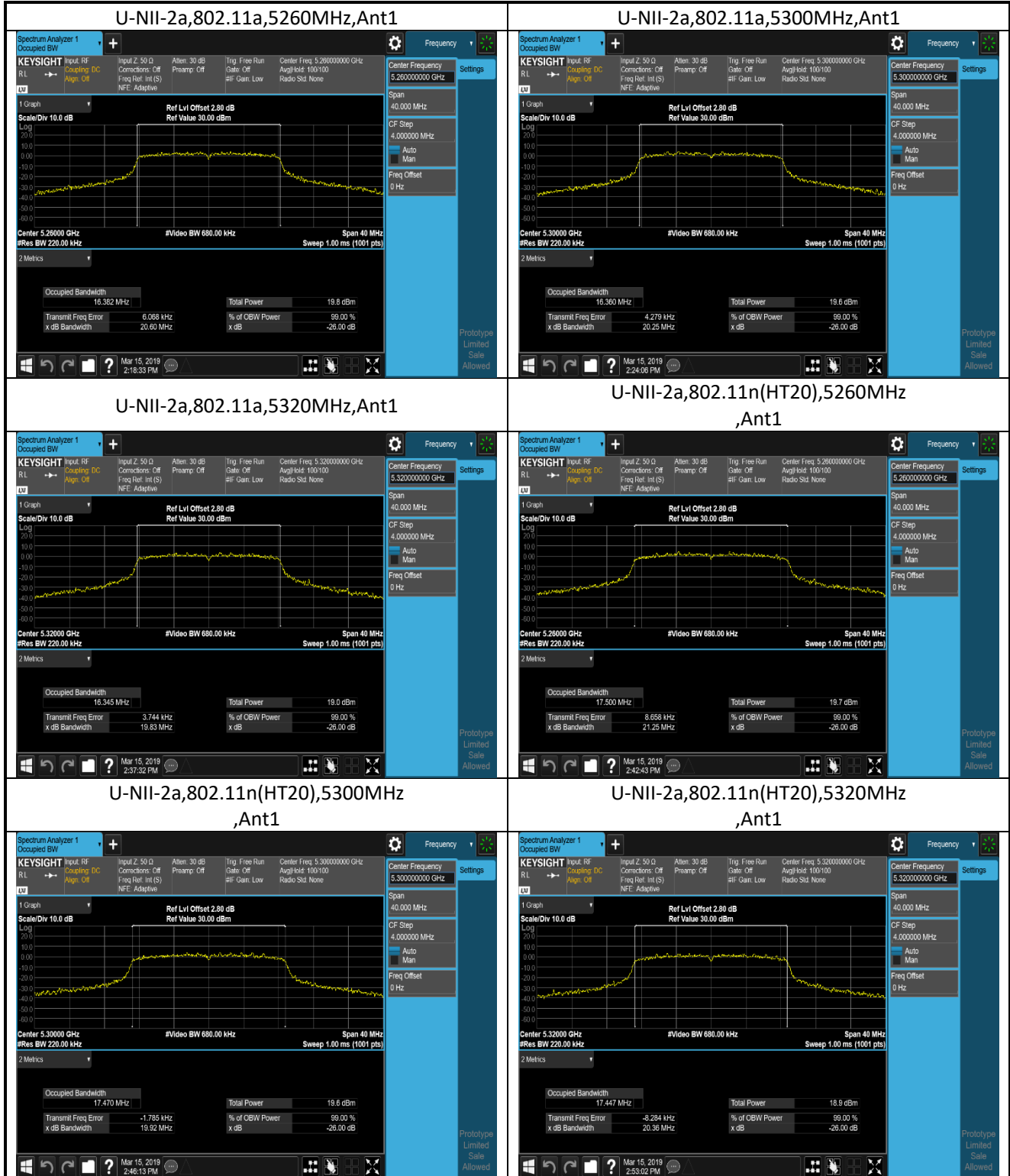
**TEST REPORT****Appendix B: Test results of U-NII-2a Band**

## 1. Occupied N dB Bandwidth

## 1.1 Test Data

U-NII-2a Occupied N dB Bandwidth				
Mode	Test Frequency (MHz)	Ant	Occupied Bandwidth (MHz)	Result
802.11a	5260	Ant1	20.60	Pass
802.11a	5300	Ant1	20.25	Pass
802.11a	5320	Ant1	19.83	Pass
802.11n (HT20)	5260	Ant1	21.25	Pass
802.11n (HT20)	5300	Ant1	19.92	Pass
802.11n (HT20)	5320	Ant1	20.36	Pass
802.11n (HT40)	5270	Ant1	42.04	Pass
802.11n (HT40)	5310	Ant1	40.66	Pass
802.11ac (VHT80)	5290	Ant1	90.27	Pass

### 1.2 Test Plots





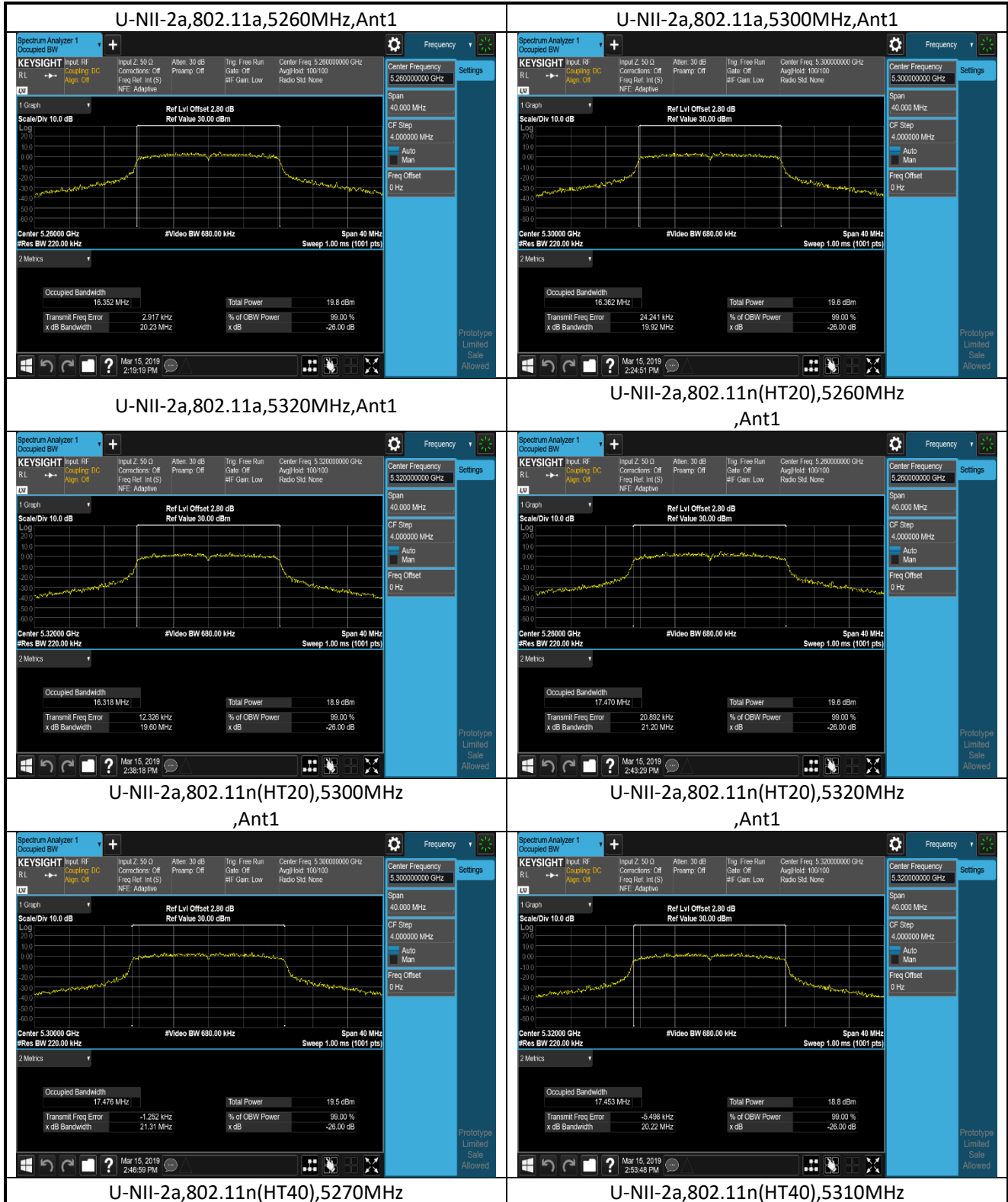
**TEST REPORT**

2. 99% Occupied Bandwidth

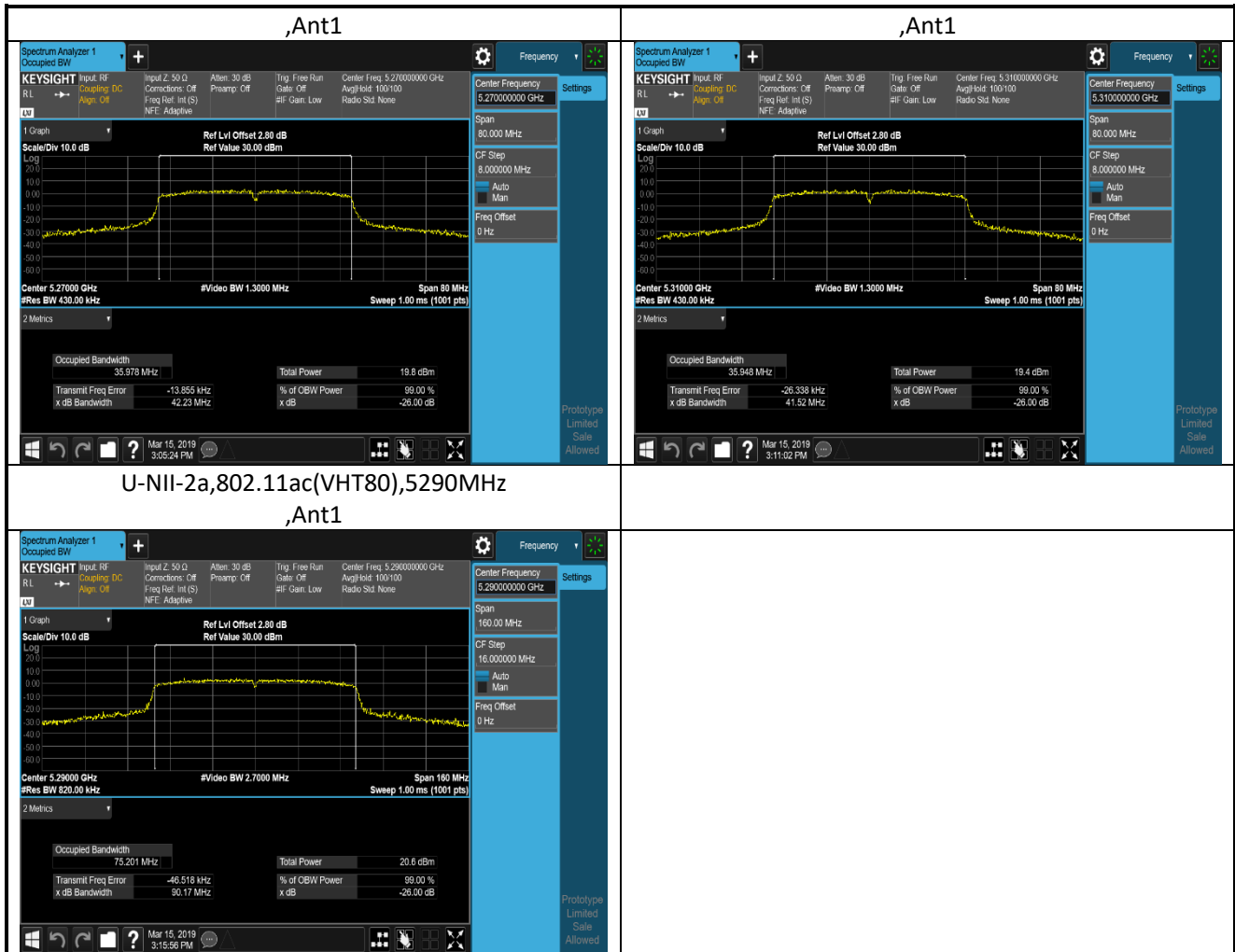
2.1 Test Data

U-NII-2a 99% Occupied Bandwidth				
Mode	Test Frequency (MHz)	Ant	99% Occupied Bandwidth (MHz)	Result
802.11a	5260	Ant1	16.352	Pass
802.11a	5300	Ant1	16.362	Pass
802.11a	5320	Ant1	16.318	Pass
802.11n (HT20)	5260	Ant1	17.470	Pass
802.11n (HT20)	5300	Ant1	17.476	Pass
802.11n (HT20)	5320	Ant1	17.453	Pass
802.11n (HT40)	5270	Ant1	35.978	Pass
802.11n (HT40)	5310	Ant1	35.948	Pass
802.11ac (VHT80)	5290	Ant1	75.201	Pass

### 2.2 Test Plots



## TEST REPORT



**TEST REPORT**

3. Duty Cycle

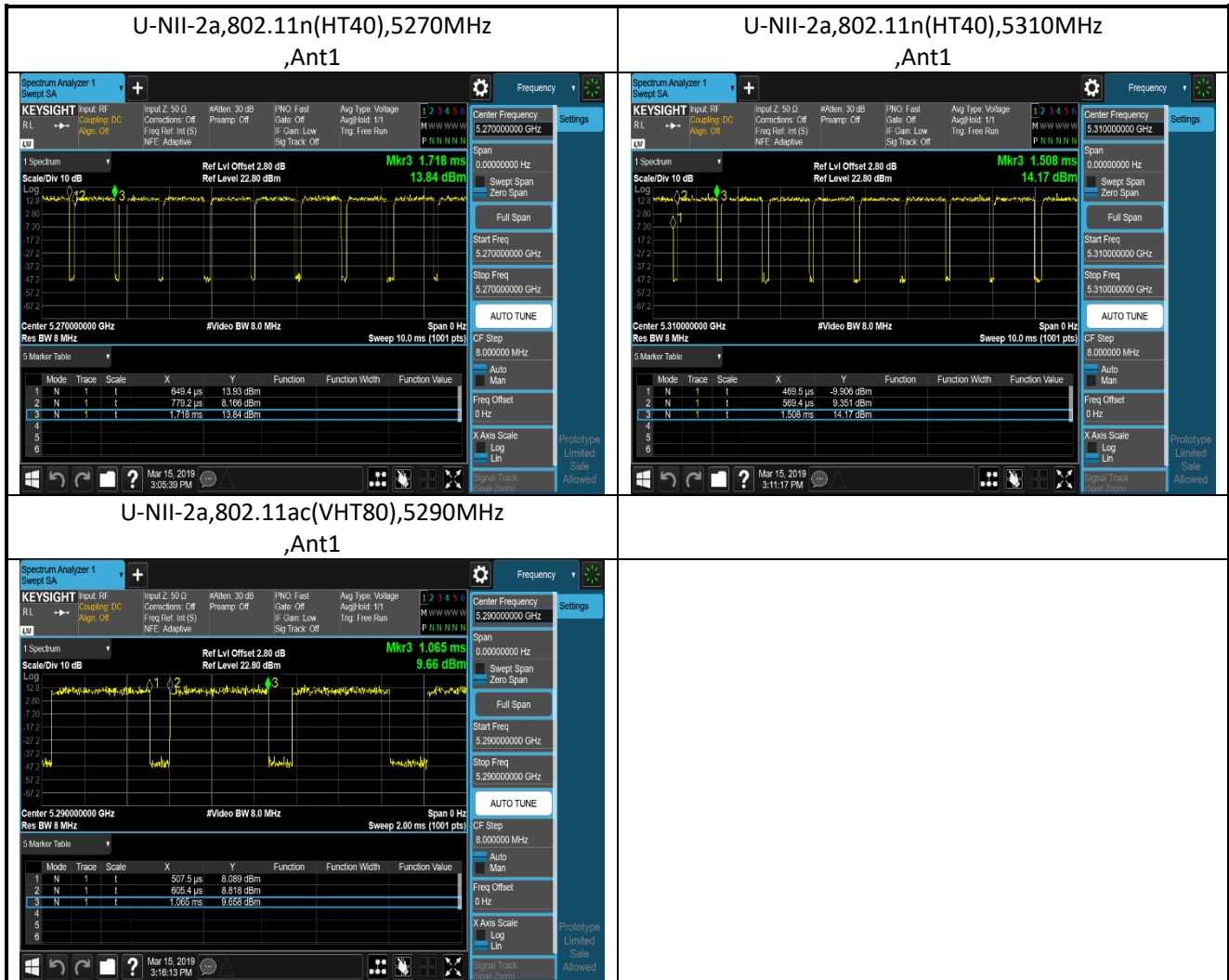
3.1 Test Data

U-NII-2a Duty Cycle				
Mode	Test Frequency (MHz)	Ant	Duty Cycle (%)	Duty Cycle Factor (dB)
802.11a	5260	Ant1	92.31	0.35
802.11a	5300	Ant1	94.47	0.25
802.11a	5320	Ant1	94.91	0.23
802.11n (HT20)	5260	Ant1	91.39	0.39
802.11n (HT20)	5300	Ant1	93.63	0.29
802.11n (HT20)	5320	Ant1	94.09	0.26
802.11n (HT40)	5270	Ant1	87.85	0.56
802.11n (HT40)	5310	Ant1	90.38	0.44
802.11ac (VHT80)	5290	Ant1	82.44	0.84

### 3.2 Test Plots







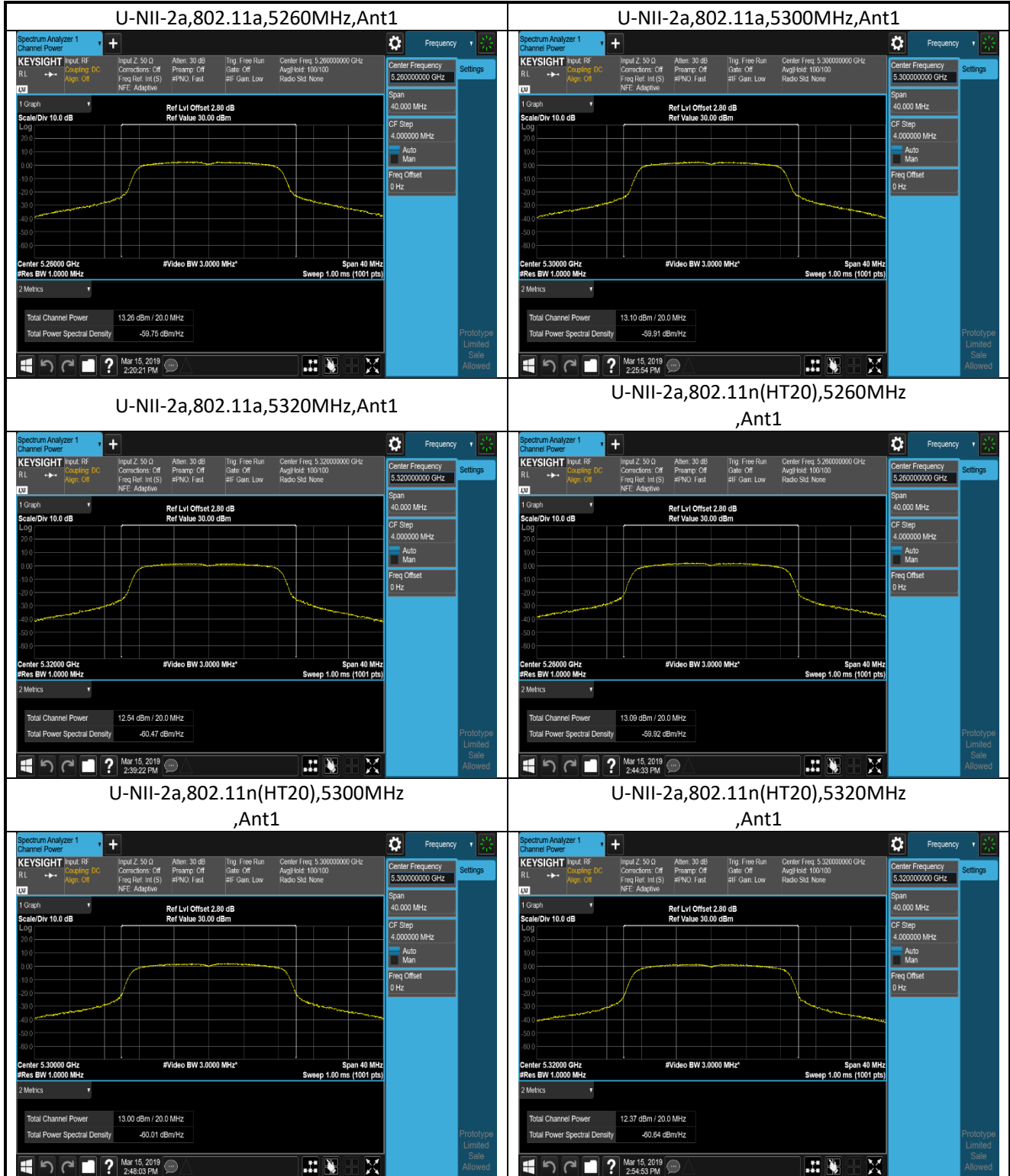
**TEST REPORT**

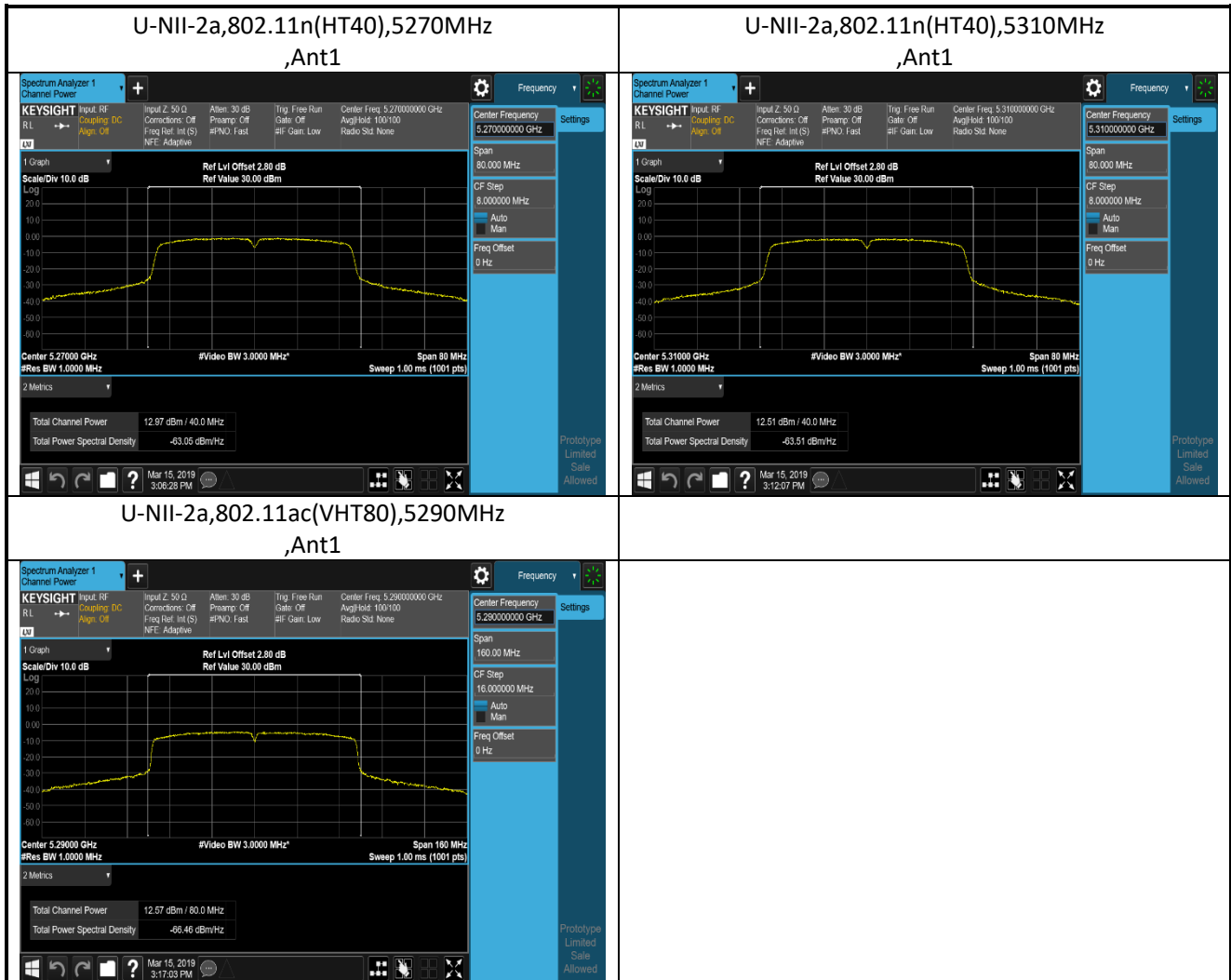
4. AVGSA Output Power

4.1 Test Data

U-NII-2a 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	5260	Ant1	0.35	13.61	24	17.31	30	Pass
802.11a	5300	Ant1	0.25	13.35	24	17.05	30	Pass
802.11a	5320	Ant1	0.23	12.77	24	16.47	30	Pass
802.11n (HT20)	5260	Ant1	0.39	13.48	24	17.18	30	Pass
802.11n (HT20)	5300	Ant1	0.29	13.29	24	16.99	30	Pass
802.11n (HT20)	5320	Ant1	0.26	12.63	24	16.33	30	Pass
802.11n (HT40)	5270	Ant1	0.56	13.53	24	17.23	30	Pass
802.11n (HT40)	5310	Ant1	0.44	12.95	24	16.65	30	Pass
802.11ac (VHT80)	5290	Ant1	0.84	13.41	24	17.11	30	Pass

### 4.2 Test Plots





**TEST REPORT**

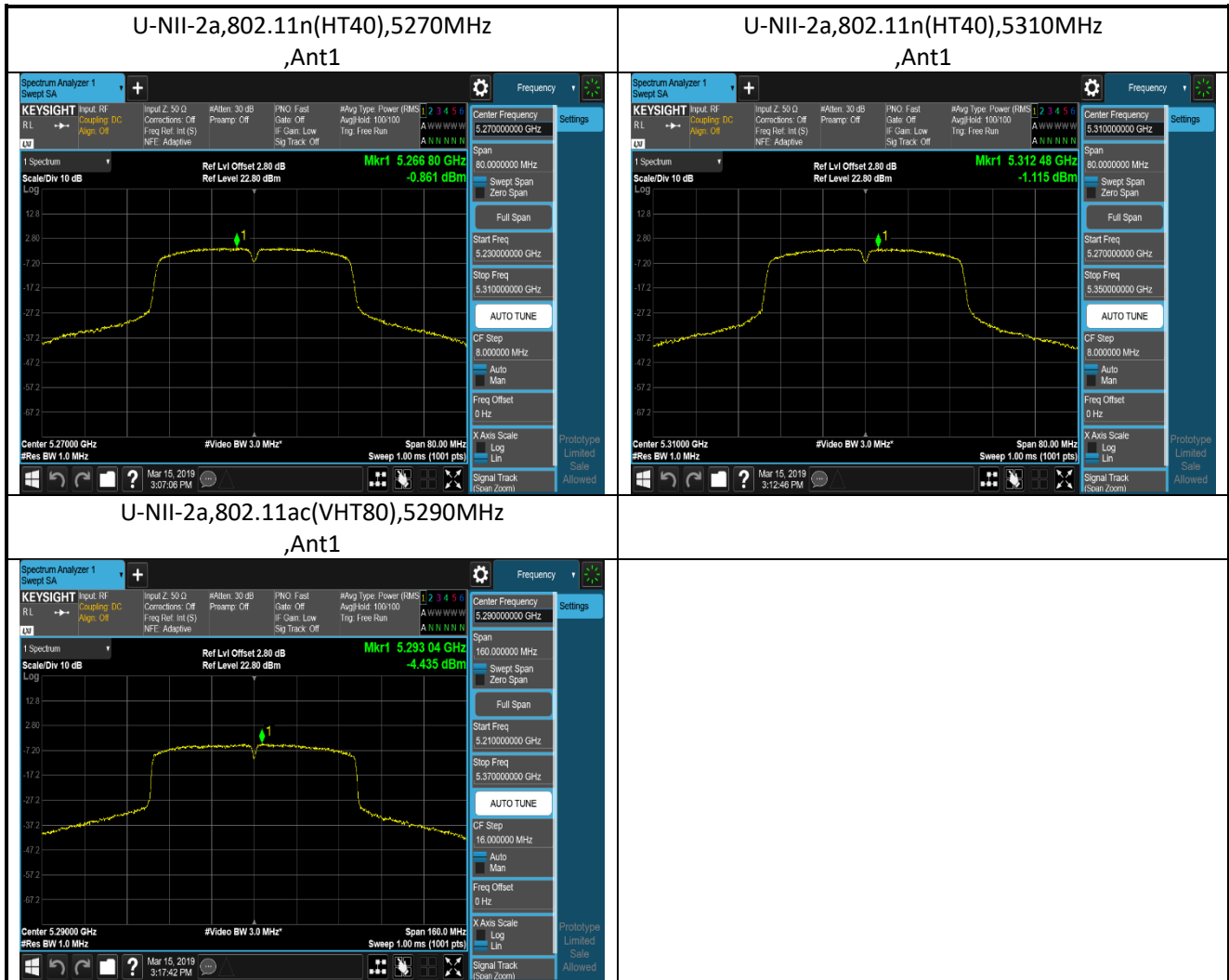
5. AVGSA Power Spectral Density

5.1 Test Data

U-NII-2a AVGSA Power Spectral Density							
Mode	Test Frequency (MHz)	Ant	Duty Cycle Factor (dB)	PSD (dBm)	RBW (kHz)	Limit (dBm)	Result
802.11a	5260	Ant1	0.35	3.102	1000	11	Pass
802.11a	5300	Ant1	0.25	2.656	1000	11	Pass
802.11a	5320	Ant1	0.23	2.309	1000	11	Pass
802.11n (HT20)	5260	Ant1	0.39	2.510	1000	11	Pass
802.11n (HT20)	5300	Ant1	0.29	2.584	1000	11	Pass
802.11n (HT20)	5320	Ant1	0.26	1.858	1000	11	Pass
802.11n (HT40)	5270	Ant1	0.56	-0.301	1000	11	Pass
802.11n (HT40)	5310	Ant1	0.44	-0.675	1000	11	Pass
802.11ac (VHT80)	5290	Ant1	0.84	-3.595	1000	11	Pass

## 5.2 Test Plots





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