

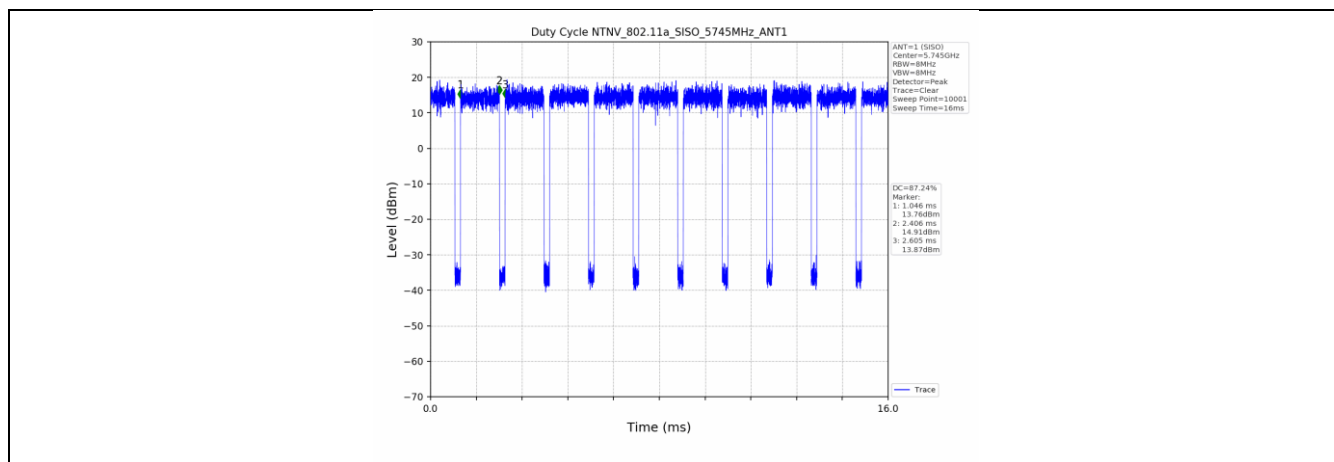
Appendix for 15.407

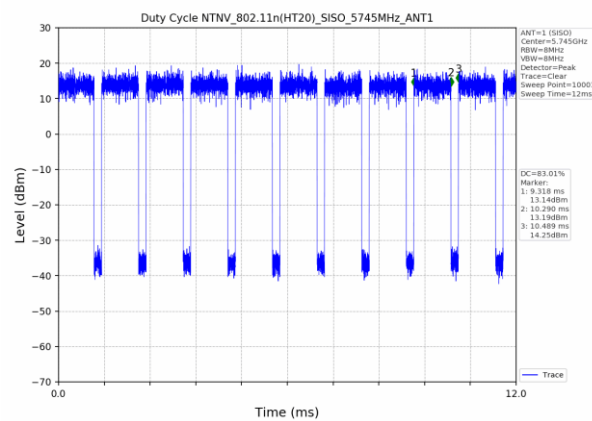
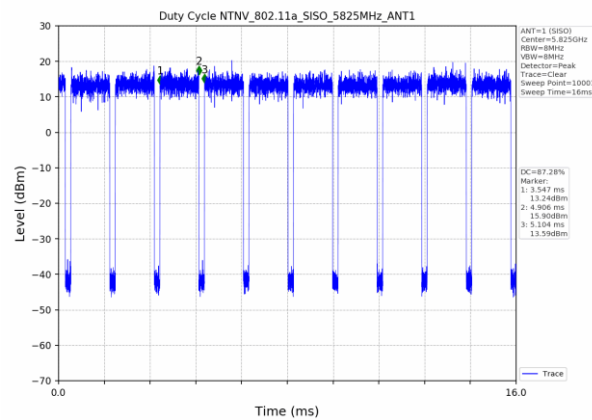
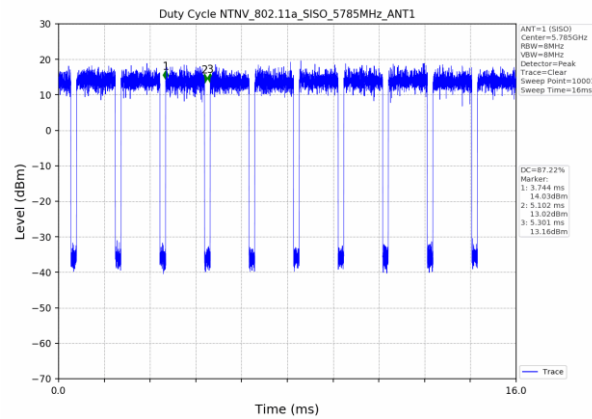
1. Duty Cycle

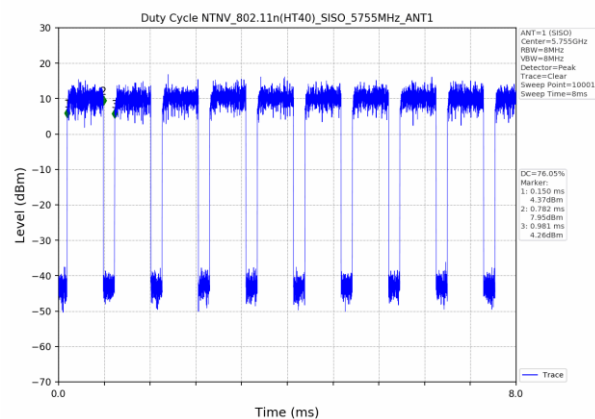
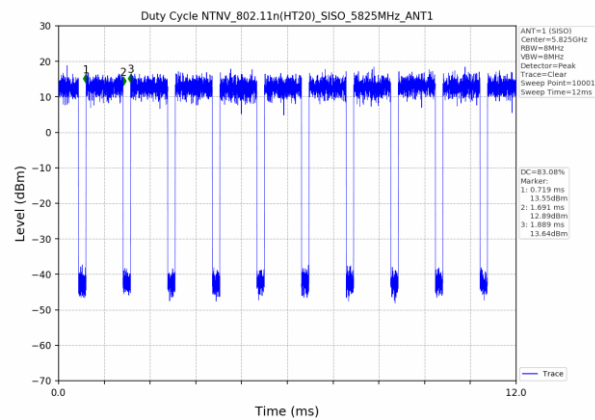
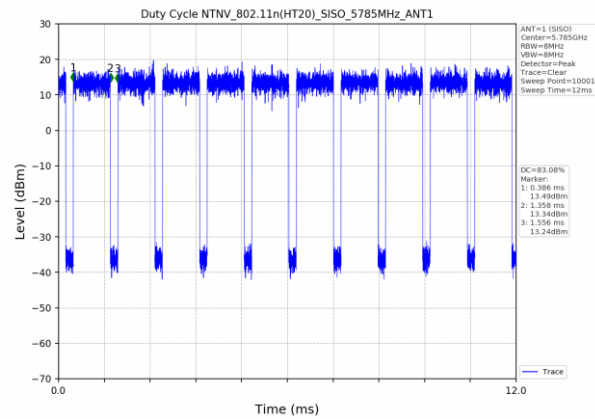
1.1 Test Result

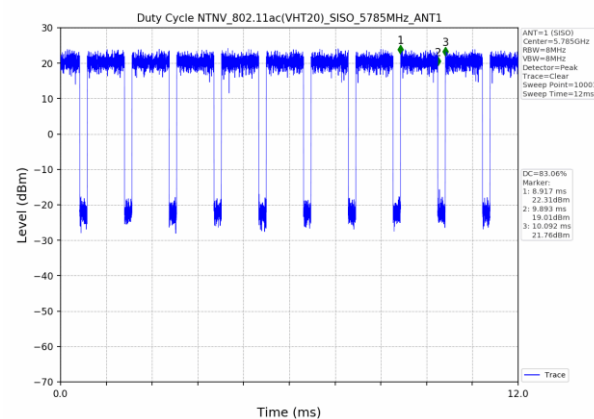
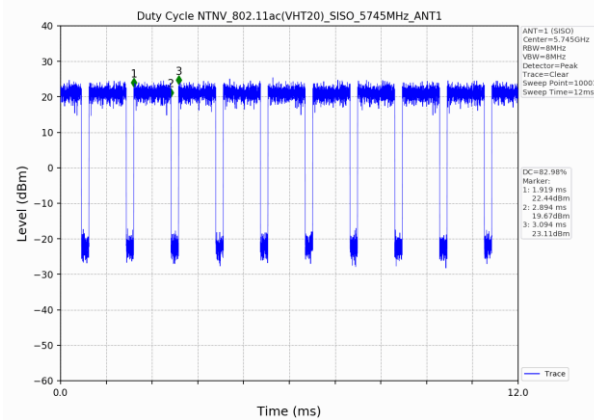
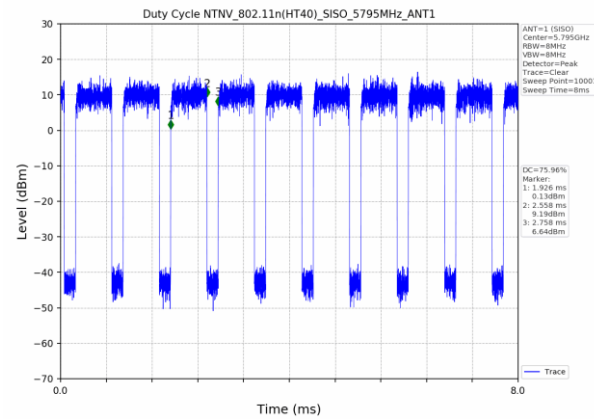
Test Mode	Channel Frequency (MHz)	TX Type	ANT No.	T_on (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)
802.11a	5745	SISO	1	1.360	1.559	87.24	0.59
	5785	SISO	1	1.358	1.557	87.22	0.59
	5825	SISO	1	1.359	1.557	87.28	0.59
802.11n(HT20)	5745	SISO	1	0.972	1.171	83.01	0.81
	5785	SISO	1	0.972	1.170	83.08	0.81
	5825	SISO	1	0.972	1.170	83.08	0.81
802.11n(HT40)	5755	SISO	1	0.632	0.831	76.05	1.19
	5795	SISO	1	0.632	0.832	75.96	1.19
802.11ac(VHT20)	5745	SISO	1	0.975	1.175	82.98	0.81
	5785	SISO	1	0.976	1.175	83.06	0.81
	5825	SISO	1	0.976	1.174	83.13	0.80
802.11ac(VHT40)	5755	SISO	1	0.469	0.659	71.17	1.48
	5795	SISO	1	0.469	0.659	71.17	1.48
802.11ac(VHT80)	5775	SISO	1	0.228	0.428	53.27	2.74

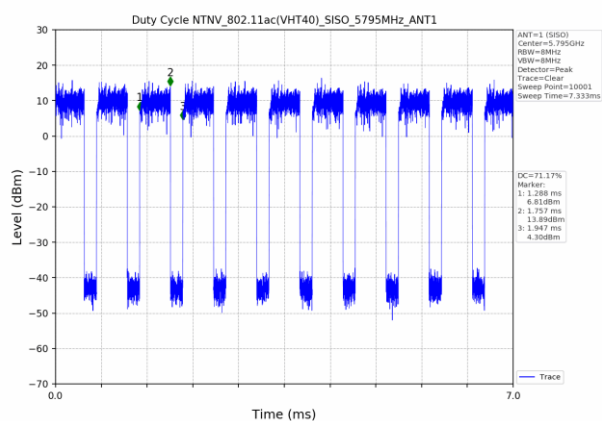
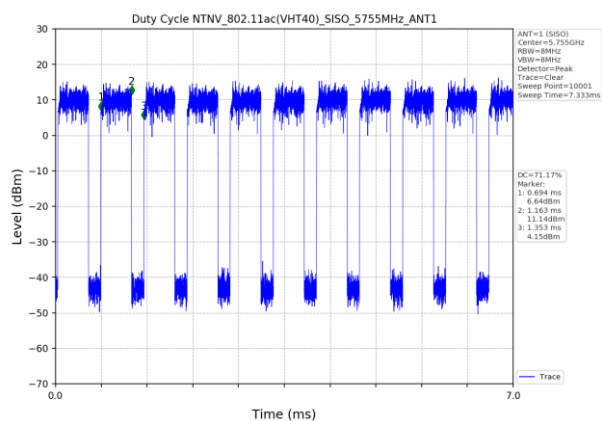
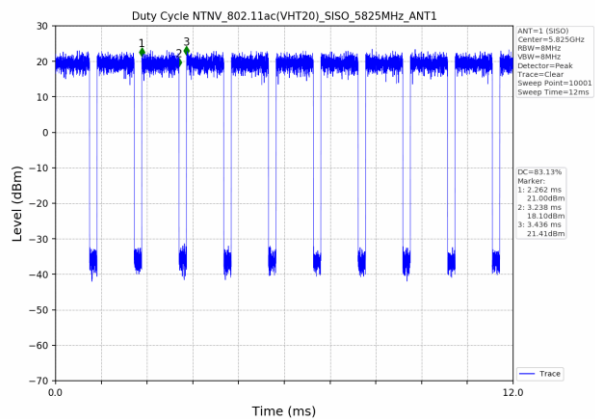
1.2 Test Graph

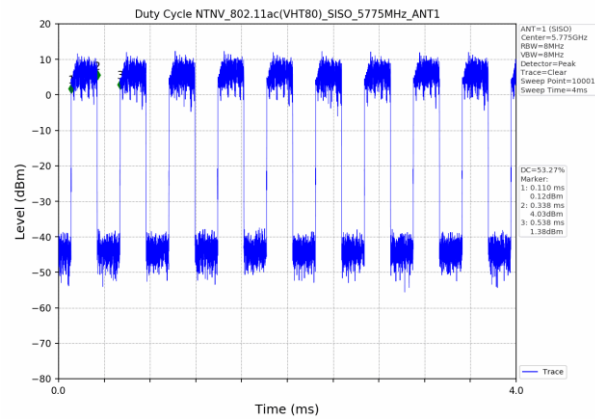












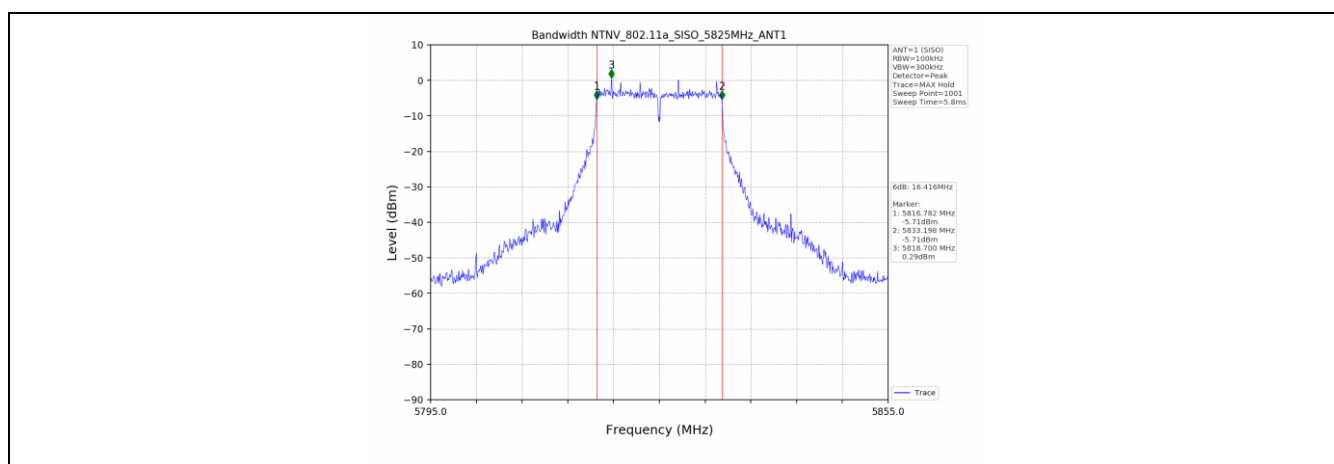
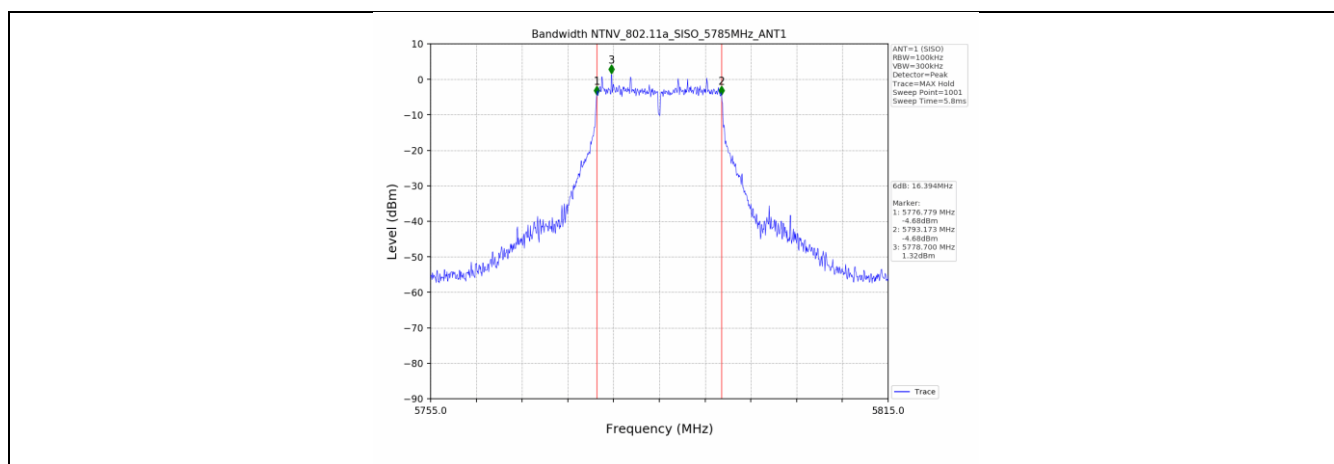
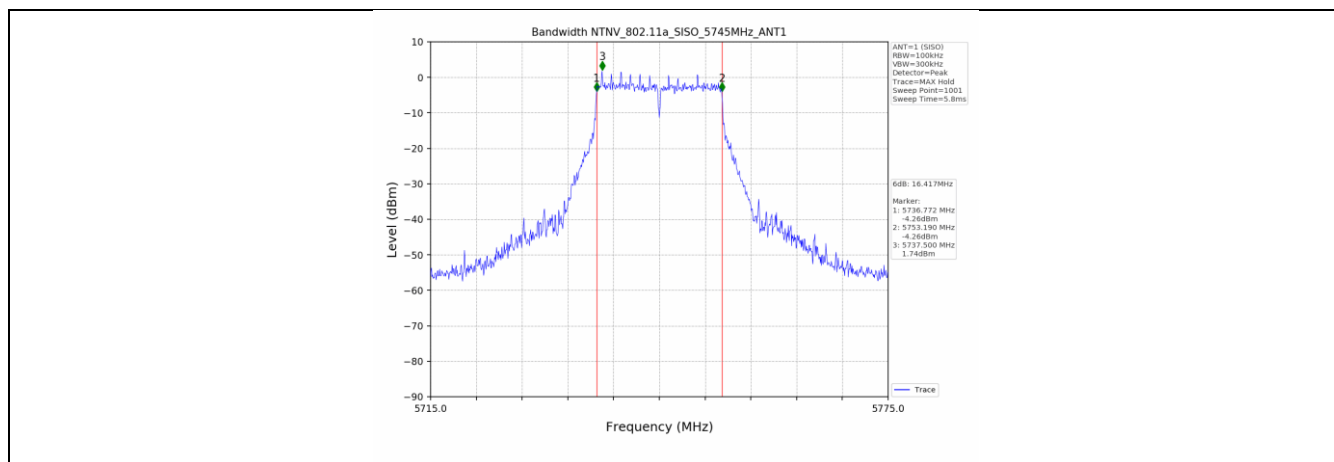
2. Bandwidth

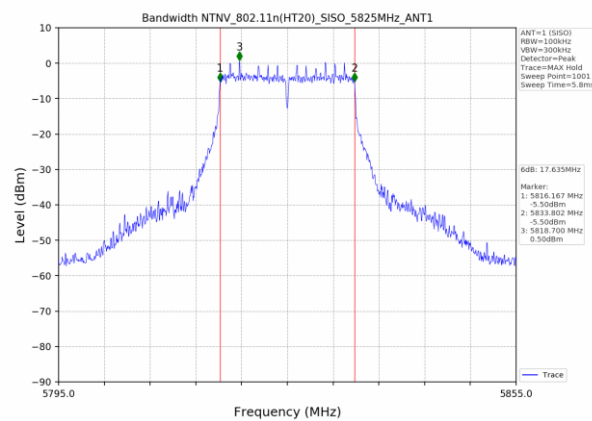
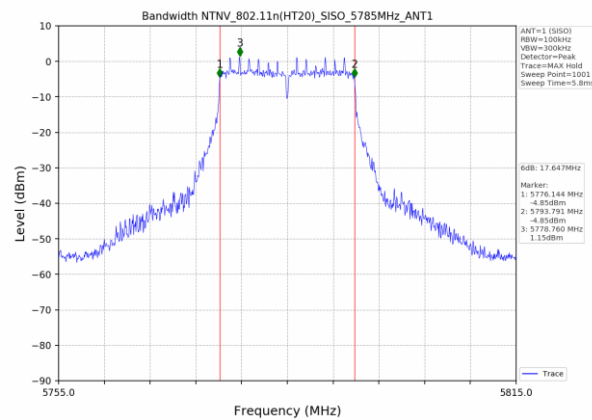
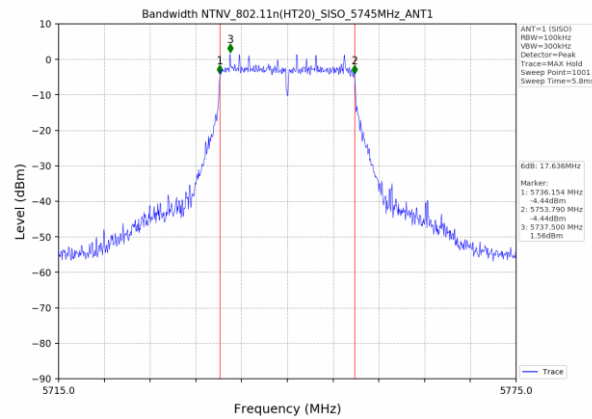
2.1 Test Result

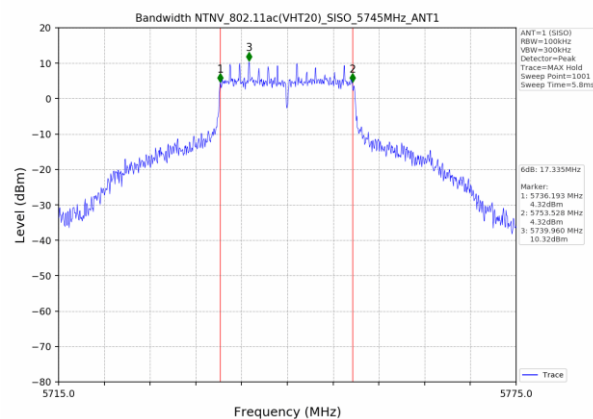
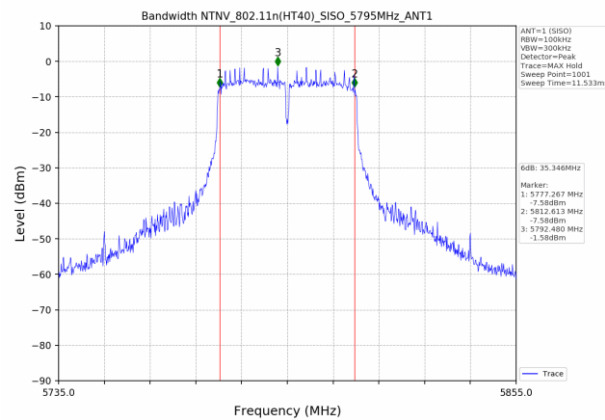
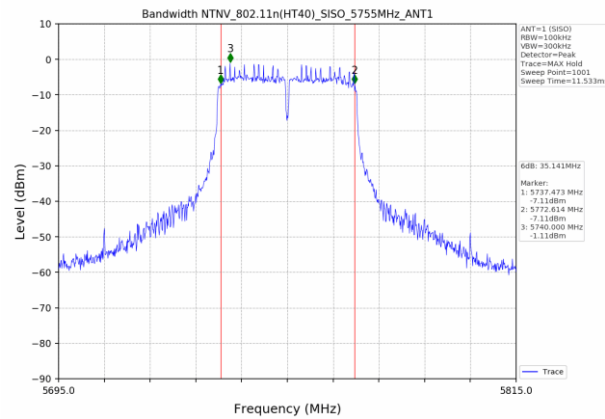
Test Mode	Frequency (MHz)	TX Type	ANT No.	Emission Bandwidth		Verdict
				Test Result (MHz)	Limits (MHz)	
802.11a	5745	SISO	1	16.417	≥0.5	PASS
	5785	SISO	1	16.394	≥0.5	PASS
	5825	SISO	1	16.416	≥0.5	PASS
802.11n(HT20)	5745	SISO	1	17.636	≥0.5	PASS
	5785	SISO	1	17.647	≥0.5	PASS
	5825	SISO	1	17.635	≥0.5	PASS
802.11n(HT40)	5755	SISO	1	35.141	≥0.5	PASS
	5795	SISO	1	35.346	≥0.5	PASS
802.11ac(VHT20)	5745	SISO	1	17.335	≥0.5	PASS
	5785	SISO	1	17.635	≥0.5	PASS
	5825	SISO	1	17.566	≥0.5	PASS
802.11ac(VHT40)	5755	SISO	1	35.236	≥0.5	PASS
	5795	SISO	1	35.247	≥0.5	PASS
802.11ac(VHT80)	5775	SISO	1	74.020	≥0.5	PASS

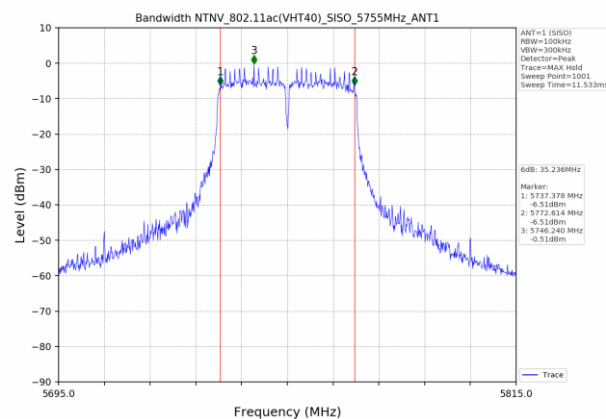
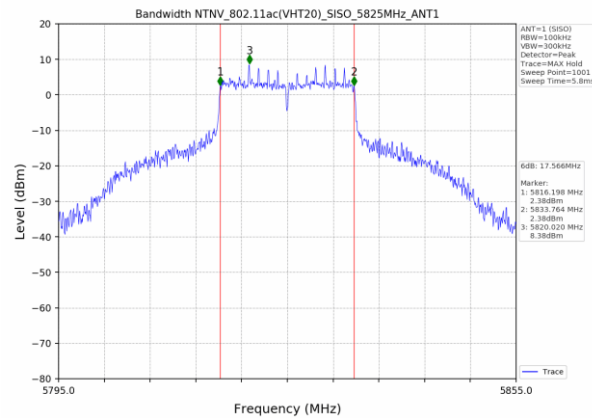
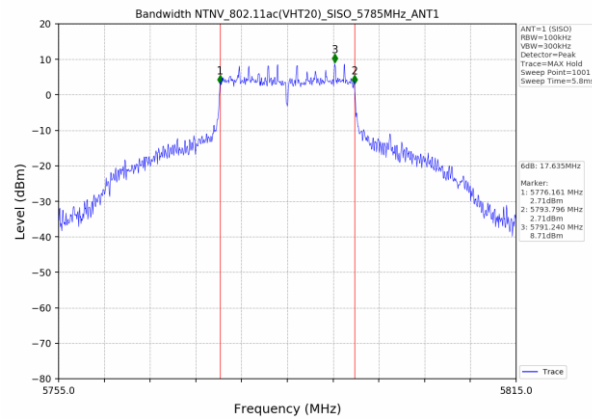
Test Mode	Frequency (MHz)	TX Type	ANT No.	99% Occupied Bandwidth	
				Test Result (MHz)	
802.11a	5745	SISO	1	17.097	Only for Report Use
	5785	SISO	1	17.074	Only for Report Use
	5825	SISO	1	17.026	Only for Report Use
802.11n(HT20)	5745	SISO	1	18.047	Only for Report Use
	5785	SISO	1	18.063	Only for Report Use
	5825	SISO	1	18.012	Only for Report Use
802.11n(HT40)	5755	SISO	1	36.532	Only for Report Use
	5795	SISO	1	36.437	Only for Report Use
802.11ac(VHT20)	5745	SISO	1	24.545	Only for Report Use
	5785	SISO	1	24.399	Only for Report Use
	5825	SISO	1	25.197	Only for Report Use
802.11ac(VHT40)	5755	SISO	1	36.643	Only for Report Use
	5795	SISO	1	36.496	Only for Report Use
802.11ac(VHT80)	5775	SISO	1	74.880	Only for Report Use

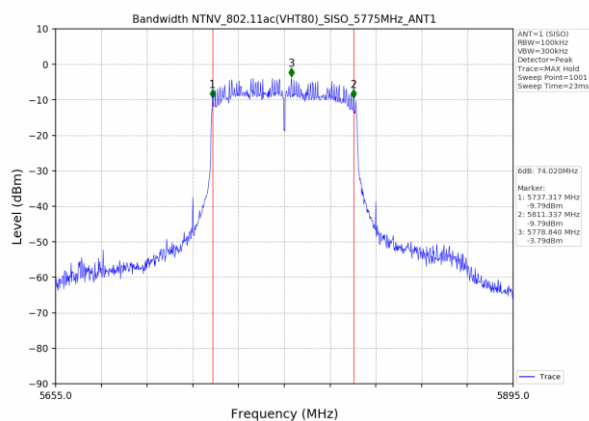
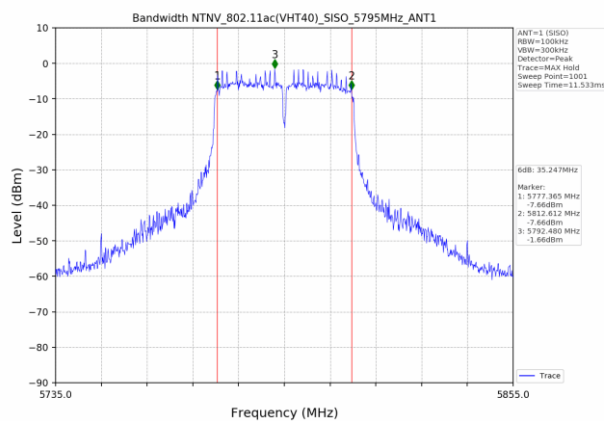
2.2 Test Graph - Emission Bandwidth



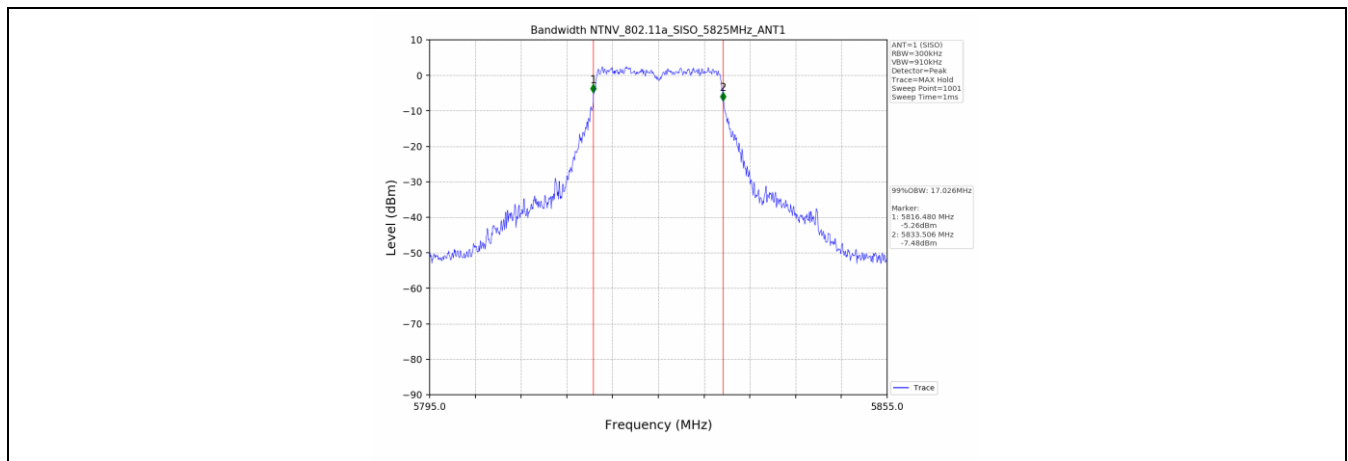
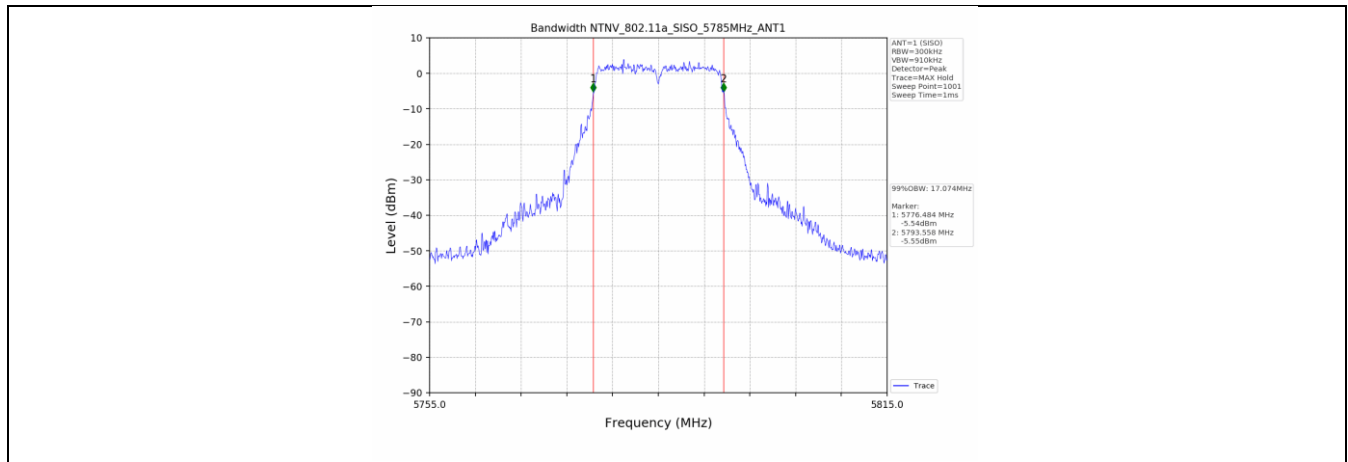
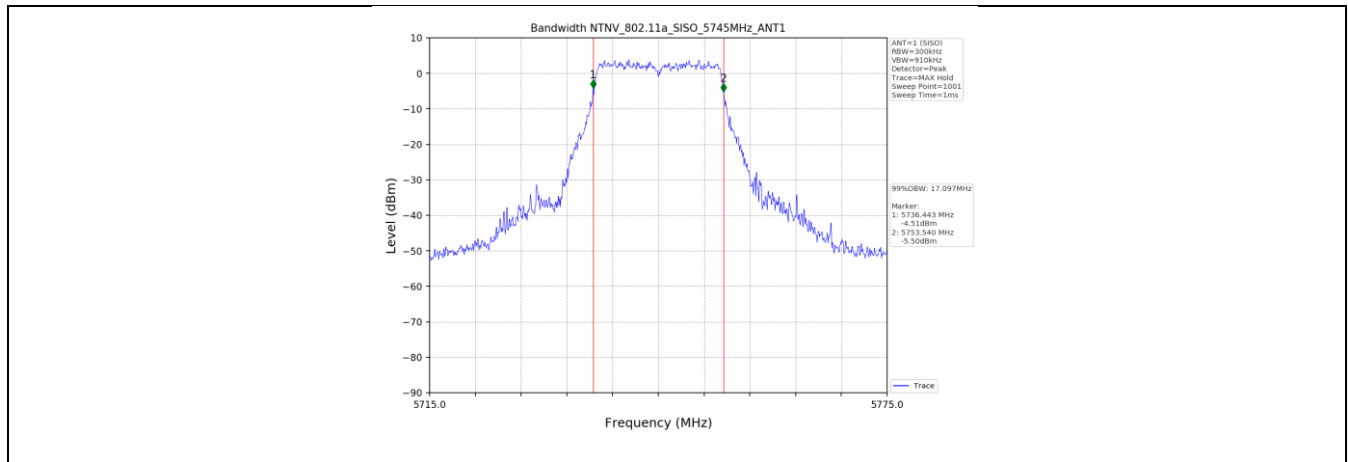


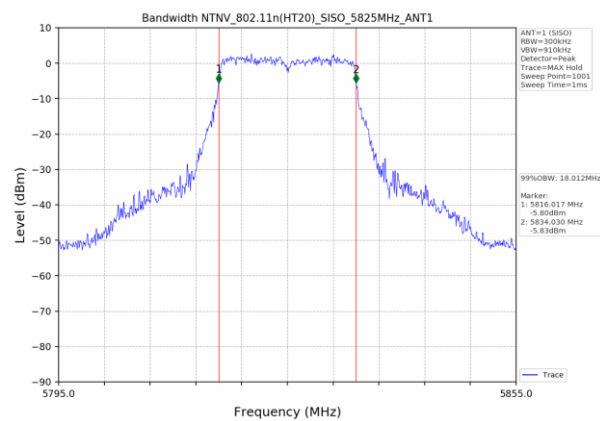
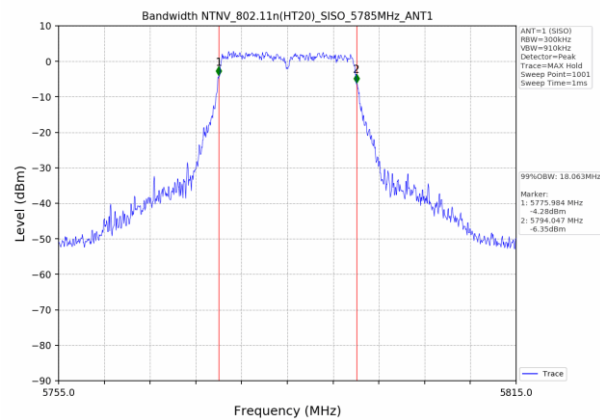
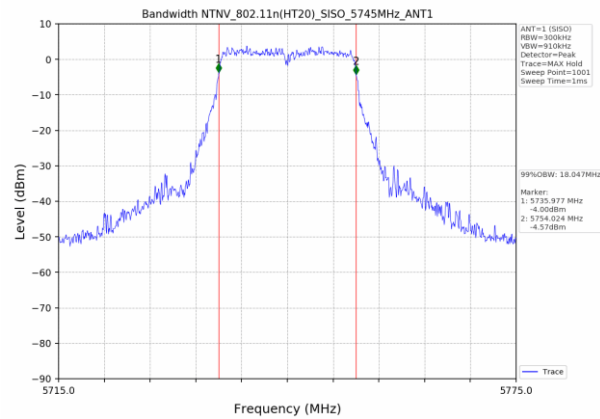


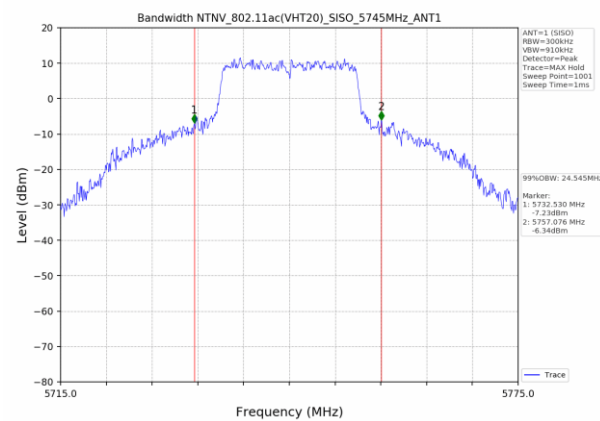
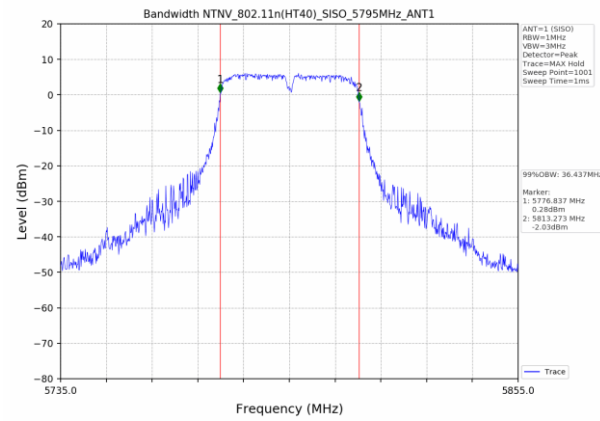
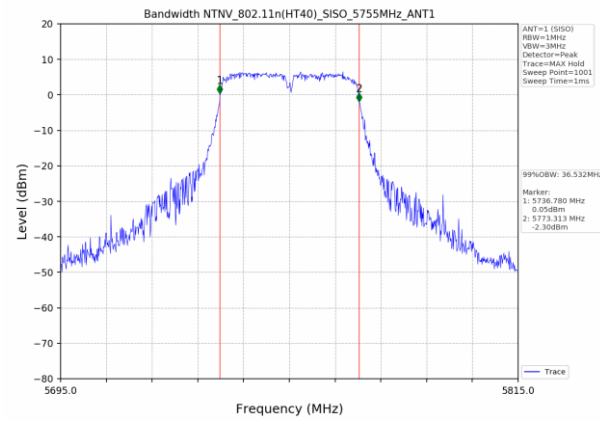


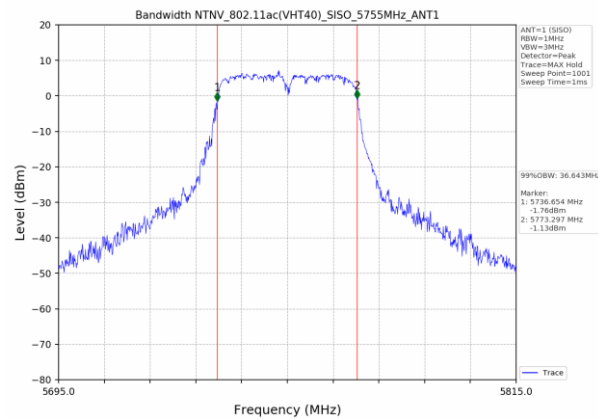
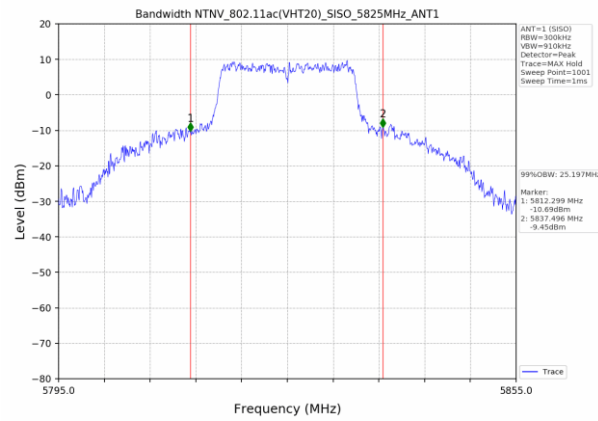
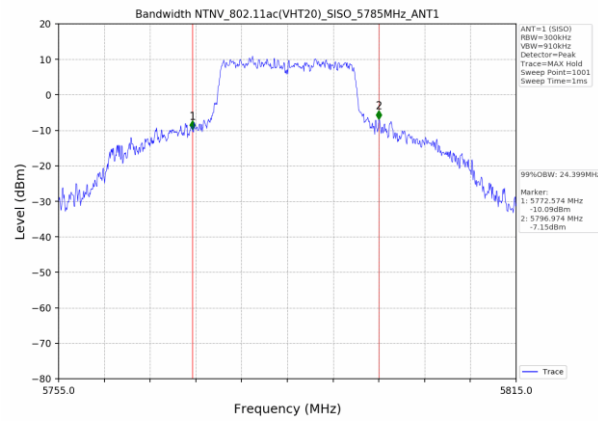


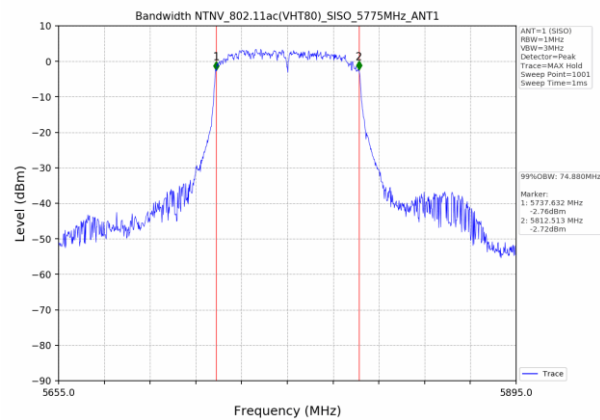
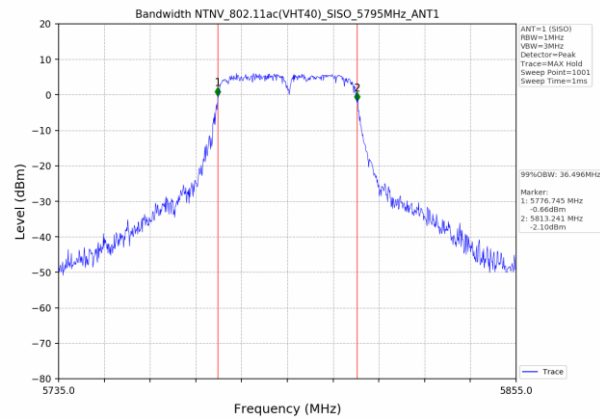
2.3 Test Graph - 99% Occupied Bandwidth











3. Maximum Conducted Output Power

3.1 Test Result

Test Mode	Frequency (MHz)	Tx Type	Measured Output Power (dBm)	Limit (dBm)	Verdict
			Ant 1		
802.11a	5745	SISO	12.54	≤30.00	PASS
	5785	SISO	11.94	≤30.00	PASS
	5825	SISO	11.69	≤30.00	PASS
802.11n(HT20)	5745	SISO	12.89	≤30.00	PASS
	5785	SISO	12.35	≤30.00	PASS
	5825	SISO	11.83	≤30.00	PASS
802.11n(HT40)	5755	SISO	12.82	≤30.00	PASS
	5795	SISO	12.43	≤30.00	PASS
802.11ac(VHT20)	5745	SISO	11.53	≤30.00	PASS
	5785	SISO	12.86	≤30.00	PASS
	5825	SISO	12.68	≤30.00	PASS
802.11ac(VHT40)	5755	SISO	12.78	≤30.00	PASS
	5795	SISO	12.55	≤30.00	PASS
802.11ac(VHT80)	5775	SISO	12.76	≤30.00	PASS

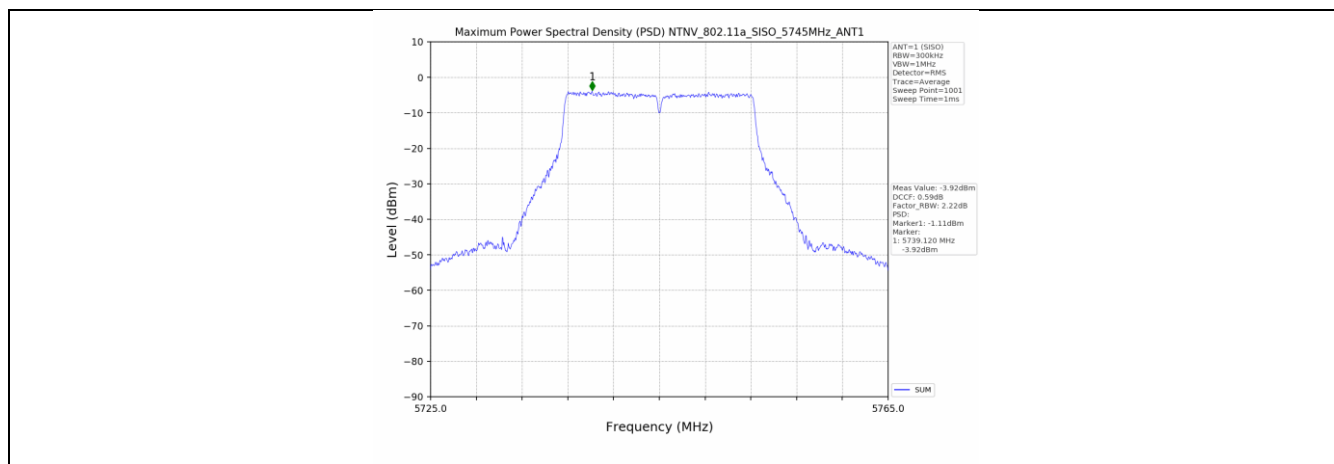
4. Maximum Power Spectral Density (PSD)

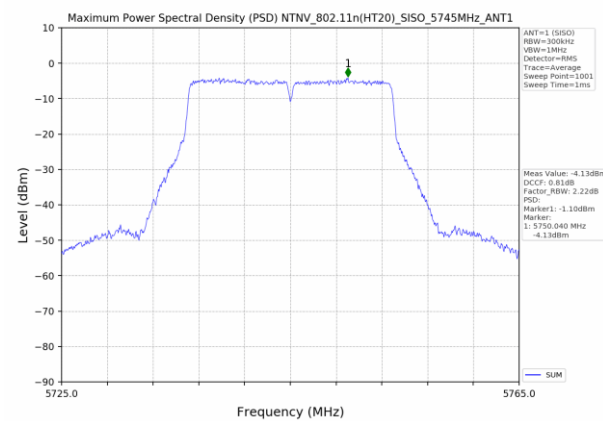
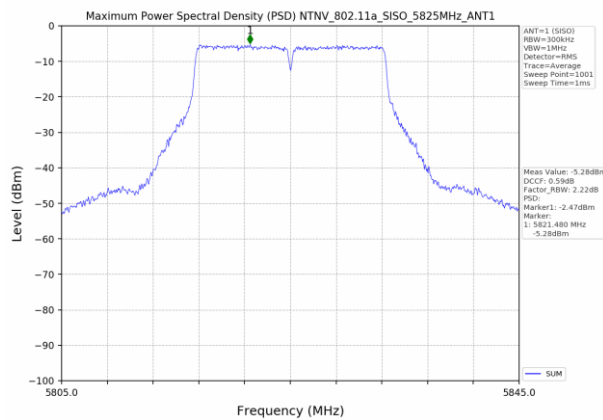
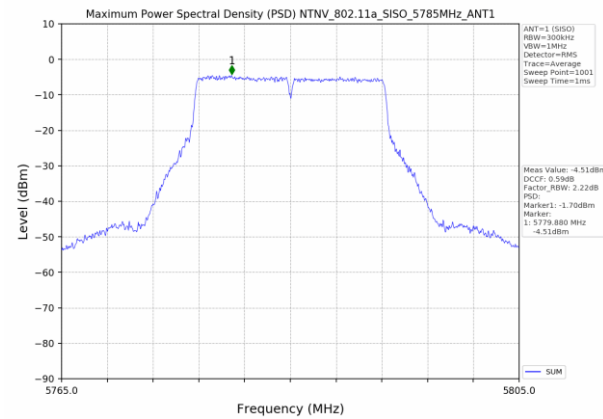
4.1 Test Result

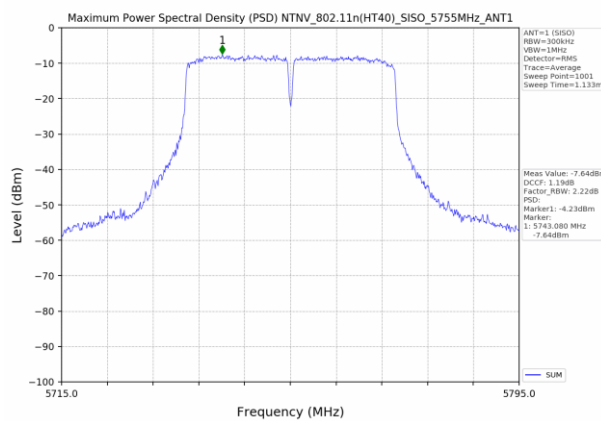
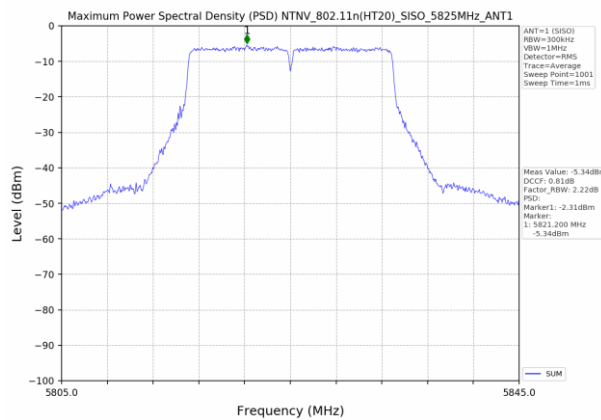
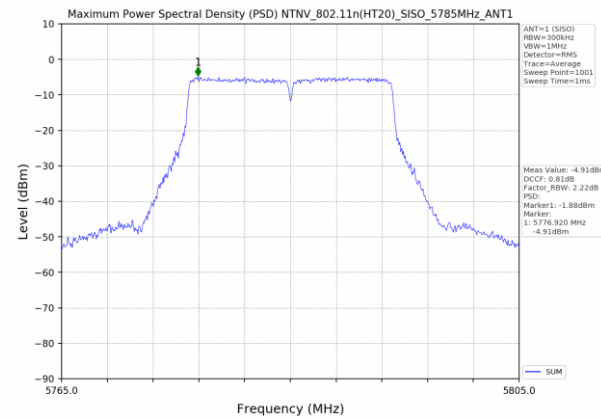
Test Mode	Frequency (MHz)	Tx Type	Power Spectral Density (dBm/500kHz)	Limits (dBm/500kHz)	Verdict
802.11a	5745	SISO	-1.11	≤30	PASS
	5785	SISO	-1.70	≤30	PASS
	5825	SISO	-2.47	≤30	PASS
802.11n(HT20)	5745	SISO	-1.10	≤30	PASS
	5785	SISO	-1.88	≤30	PASS
	5825	SISO	-2.31	≤30	PASS
802.11n(HT40)	5755	SISO	-4.23	≤30	PASS
	5795	SISO	-4.08	≤30	PASS
802.11ac(VHT20)	5745	SISO	6.46	≤30	PASS
	5785	SISO	5.86	≤30	PASS
	5825	SISO	4.40	≤30	PASS
802.11ac(VHT40)	5755	SISO	-3.73	≤30	PASS
	5795	SISO	-4.58	≤30	PASS
802.11ac(VHT80)	5775	SISO	-6.95	≤30	PASS

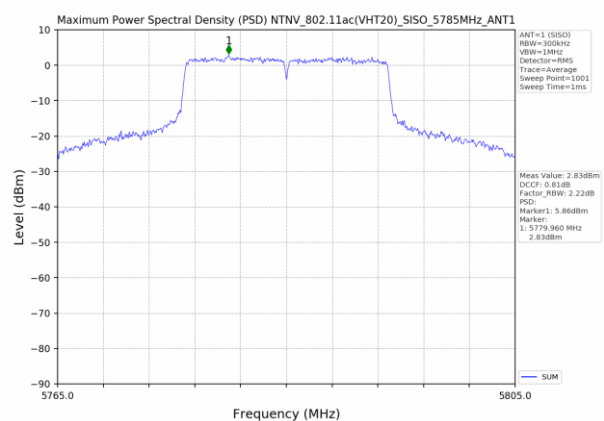
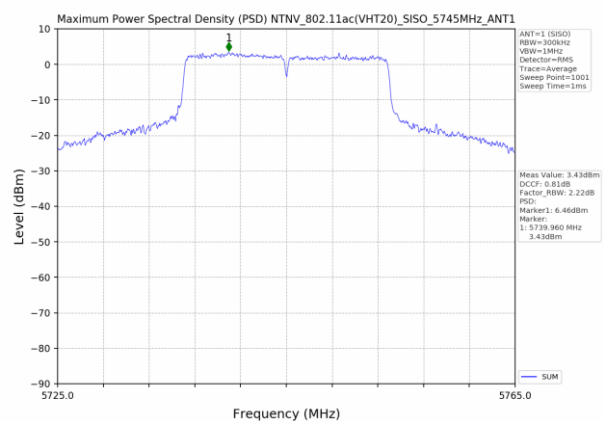
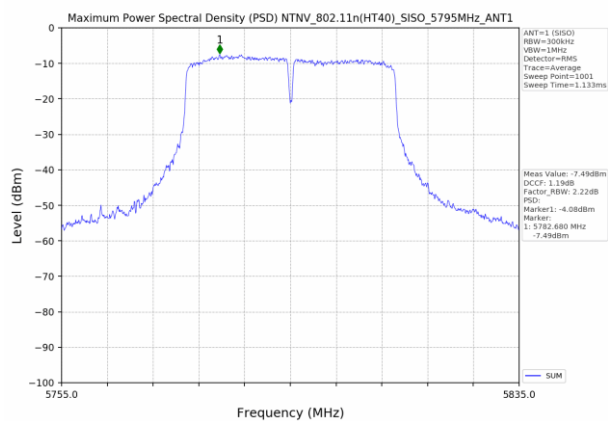
Note : 1.TheDuty Factor and RBW Factor($10\log(500\text{kHz}/\text{RBW})$)iscompensatedinthegraph.

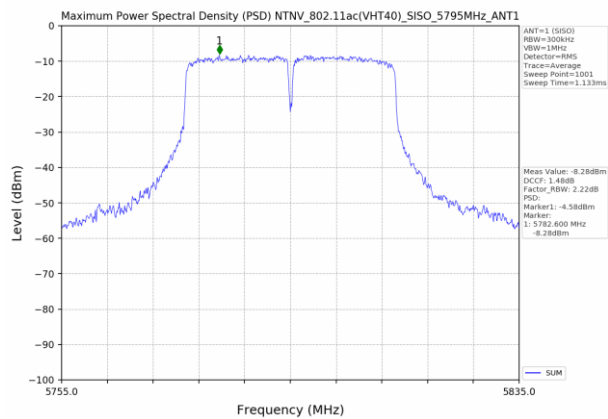
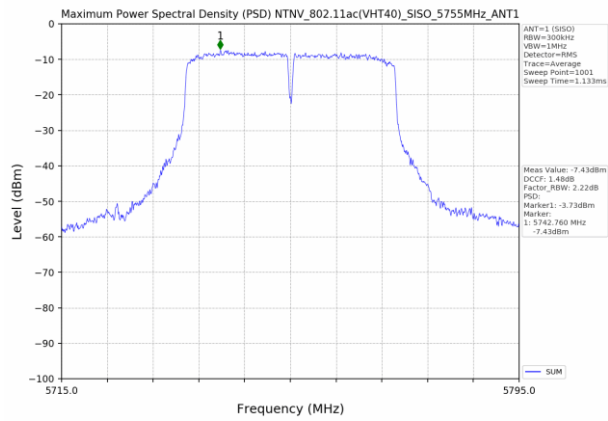
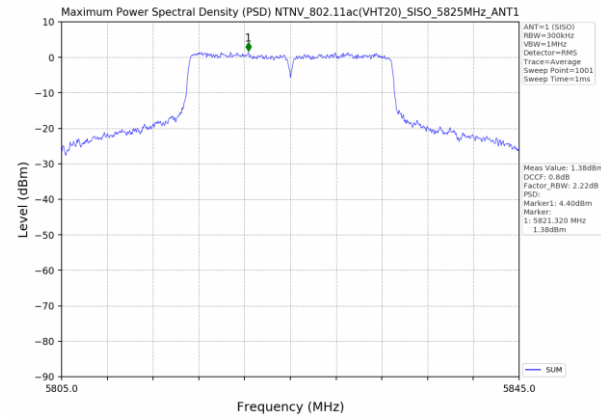
4.2 Test Graph

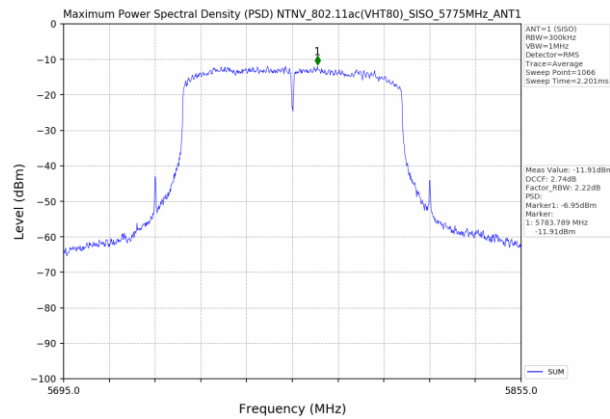












6. Frequency Stability

6.1 Test Result

Test Condition	Test Mode	Test Frequency [MHz]	Ant	Result [ppm]	Limit [ppm]	Verdict
NTNV	802.11a	5745	1	-3.48	<=20	PASS
		5785	1	-3.46	<=20	PASS
		5825	1	-3.43	<=20	PASS
	802.11ac	5775	1	-4.56	<=20	PASS
	802.11n	5755	1	-6.95	<=20	PASS
		5795	1	-5.36	<=20	PASS

-----End-----