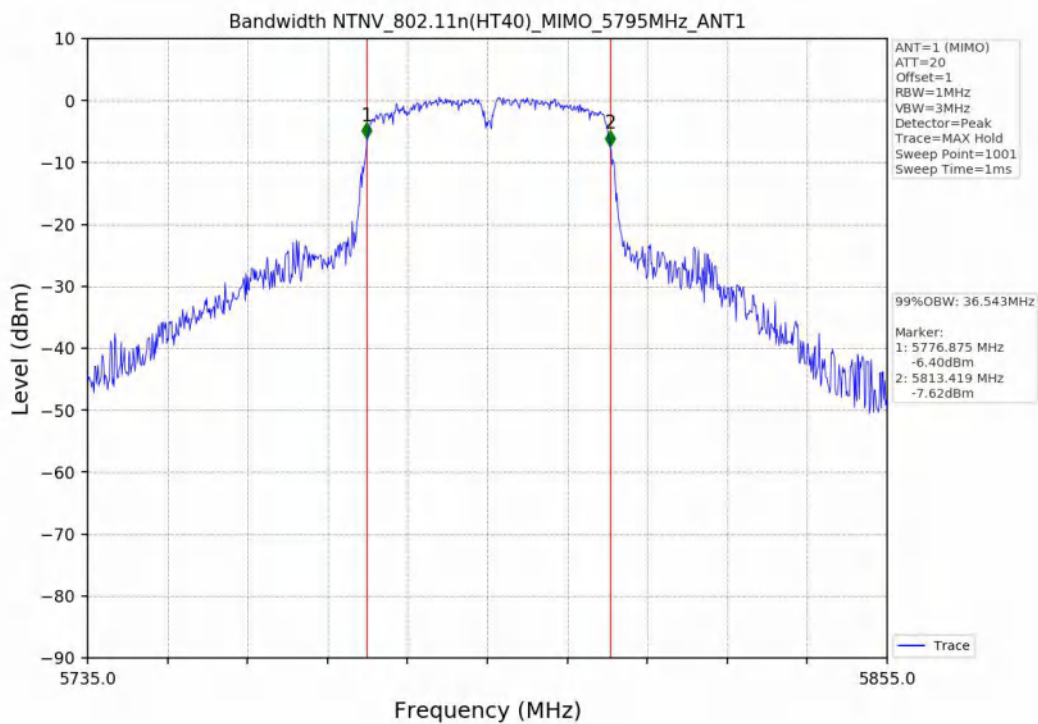
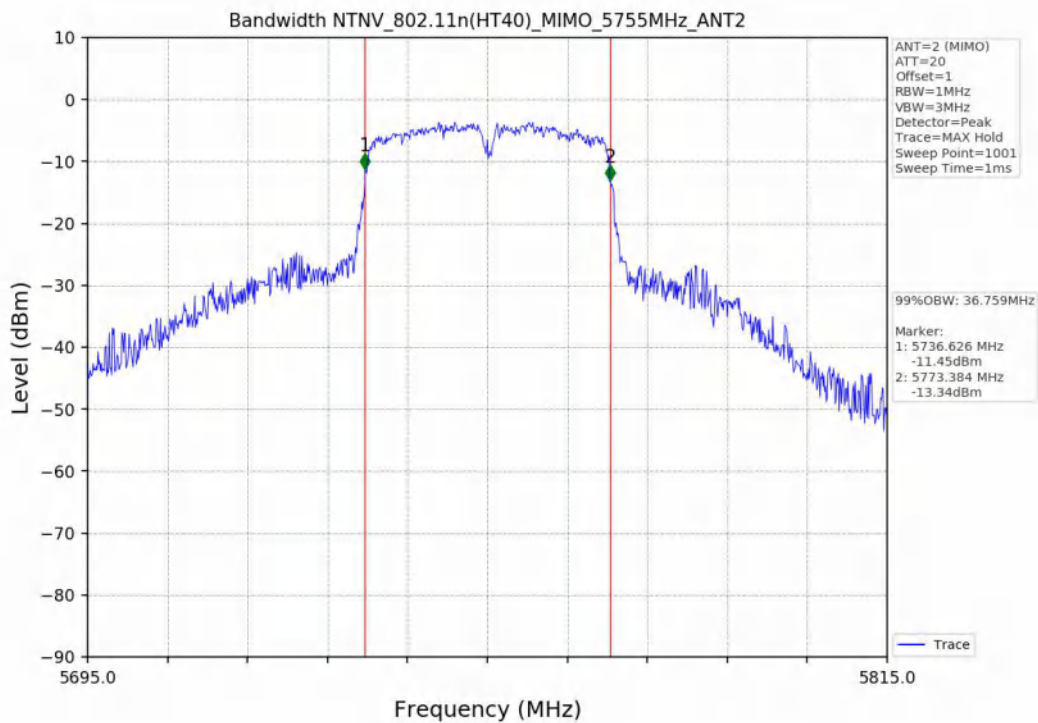
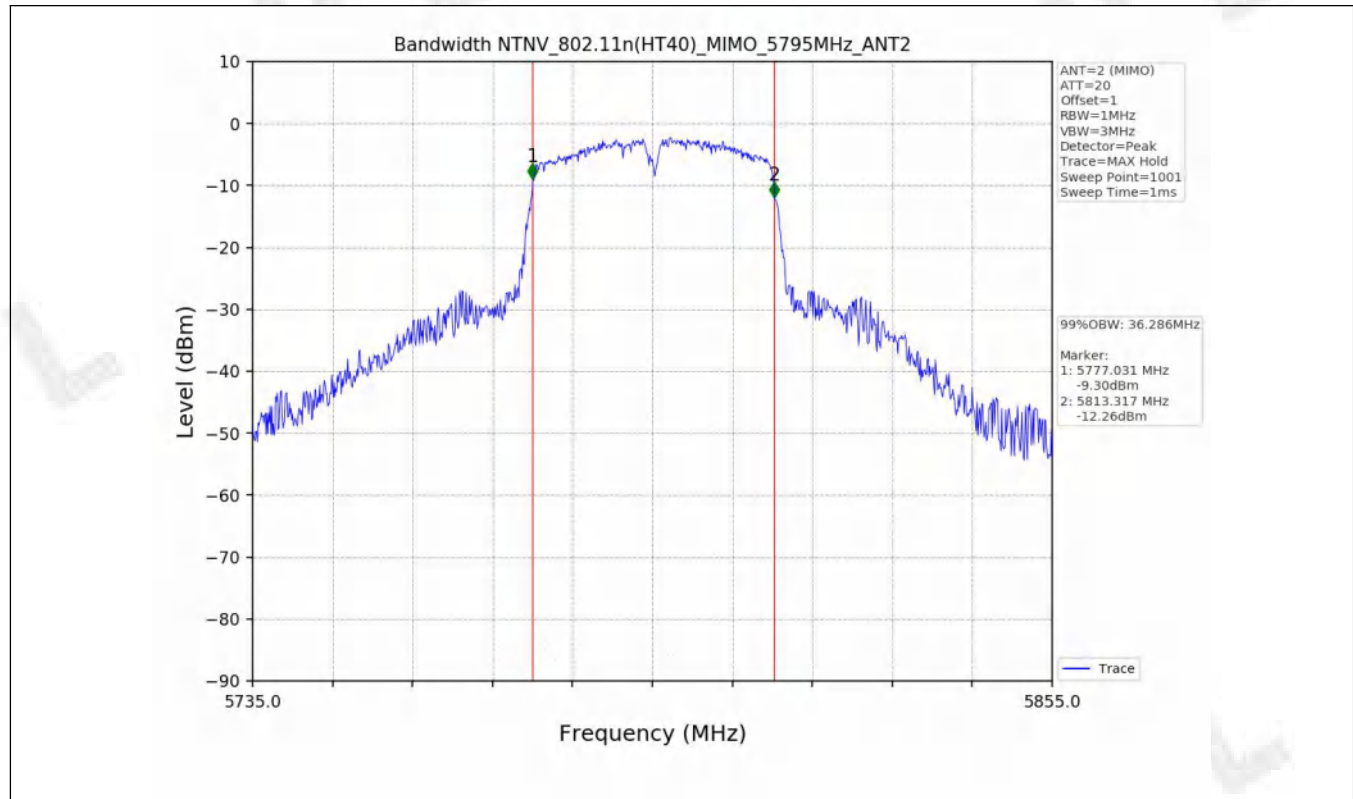






2. Maximum Conducted Output Power

2.1 Test Result

Test Mode	Frequency (MHz)	Tx Type	Measured Output Power (dBm)			Limit (dBm)	Verdict
			Ant 1	Ant 2	Total		
802.11a	5180	SISO	7.48	7.31	/	≤23.97	PASS
	5200	SISO	7.90	6.03	/	≤23.97	PASS
	5240	SISO	8.32	6.35	/	≤23.97	PASS
	5260	SISO	9.01	7.93	/	≤23.97	PASS
	5300	SISO	8.93	8.01	/	≤23.97	PASS
	5320	SISO	8.33	7.27	/	≤23.97	PASS
	5745	SISO	5.84	5.08	/	≤29.99	PASS
	5785	SISO	6.26	7.21	/	≤29.99	PASS
	5825	SISO	6.03	6.40	/	≤29.99	PASS
802.11n(HT20)	5180	MIMO	8.07	6.74	10.47	≤23.97	PASS
	5200	MIMO	7.05	5.53	9.37	≤23.97	PASS
	5240	MIMO	7.80	5.94	9.98	≤23.97	PASS
	5260	MIMO	8.36	7.46	10.94	≤23.97	PASS
	5300	MIMO	9.51	8.31	11.96	≤23.97	PASS
	5320	MIMO	9.51	7.34	11.57	≤23.97	PASS
	5745	MIMO	6.32	2.15	7.73	≤29.99	PASS
	5785	MIMO	6.70	3.21	8.31	≤29.99	PASS
	5825	MIMO	6.57	2.06	7.89	≤29.99	PASS
802.11n(HT40)	5190	MIMO	7.67	6.71	10.23	≤23.97	PASS
	5230	MIMO	7.92	6.24	10.17	≤23.97	PASS
	5270	MIMO	9.40	8.94	12.19	≤23.97	PASS
	5310	MIMO	9.82	8.39	12.17	≤23.97	PASS
	5755	MIMO	6.40	2.33	7.84	≤29.99	PASS

	5795	MIMO	6.85	3.64	8.55	≤29.99	PASS
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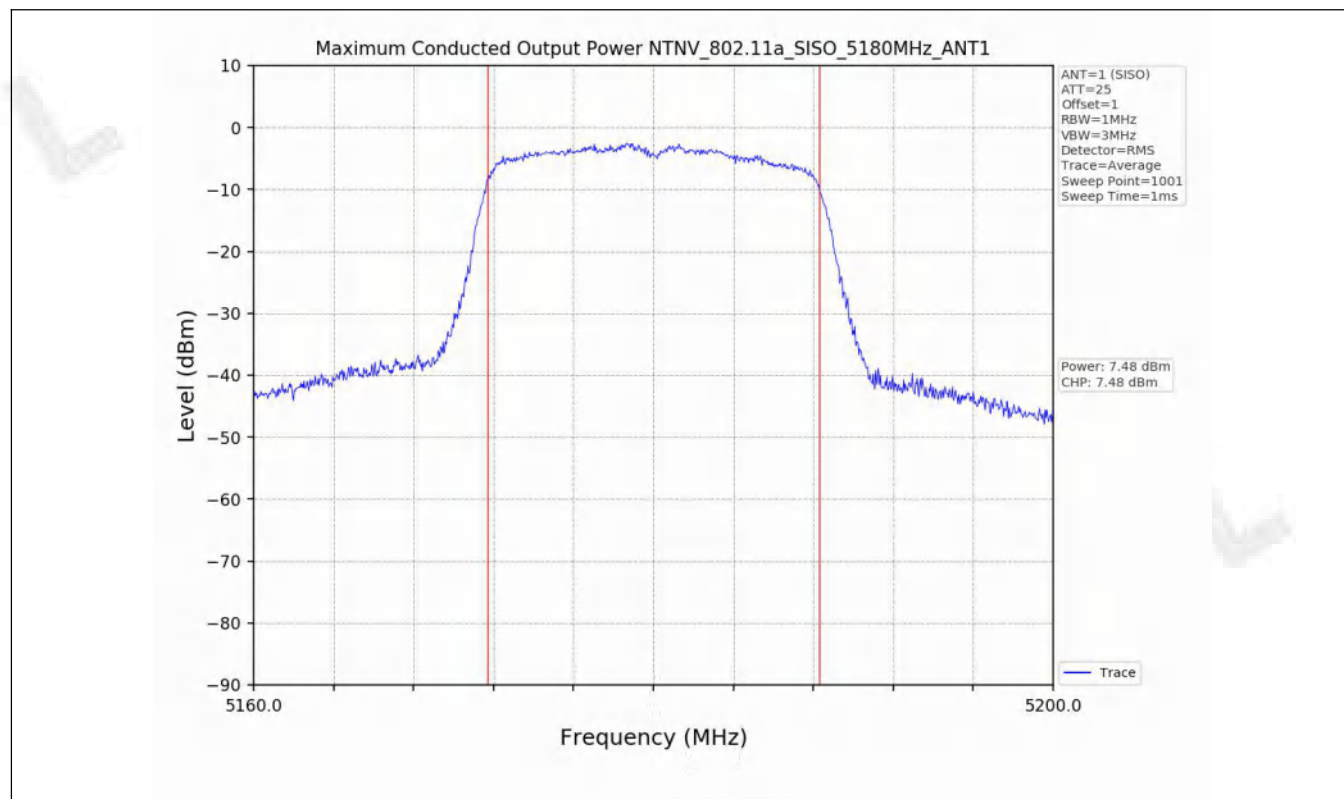
5180-5320MHz:

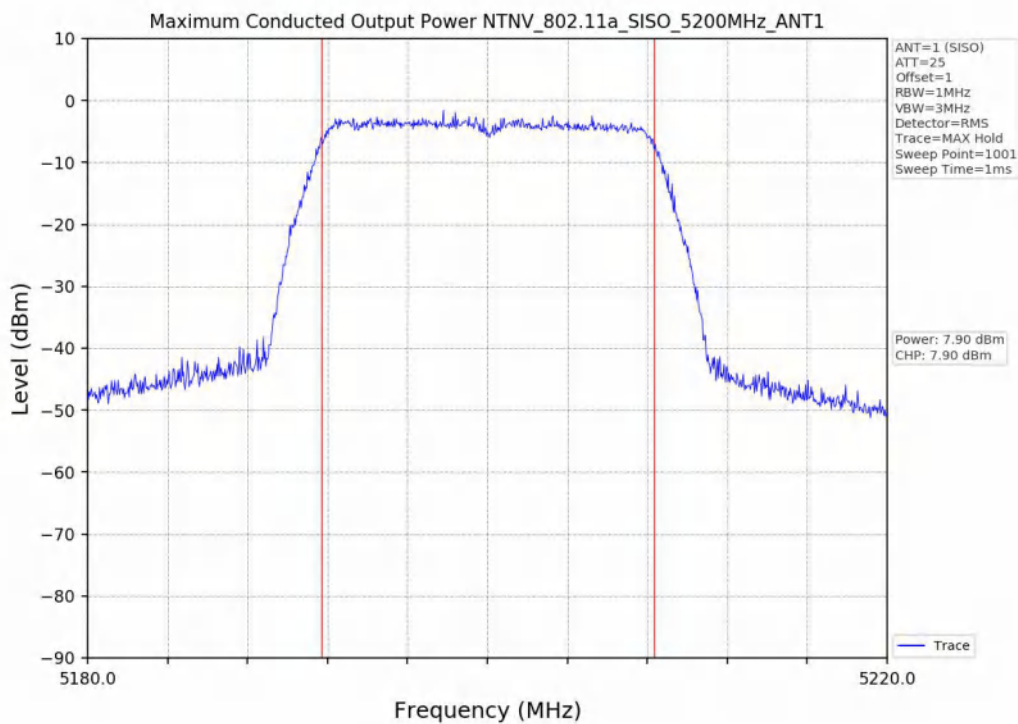
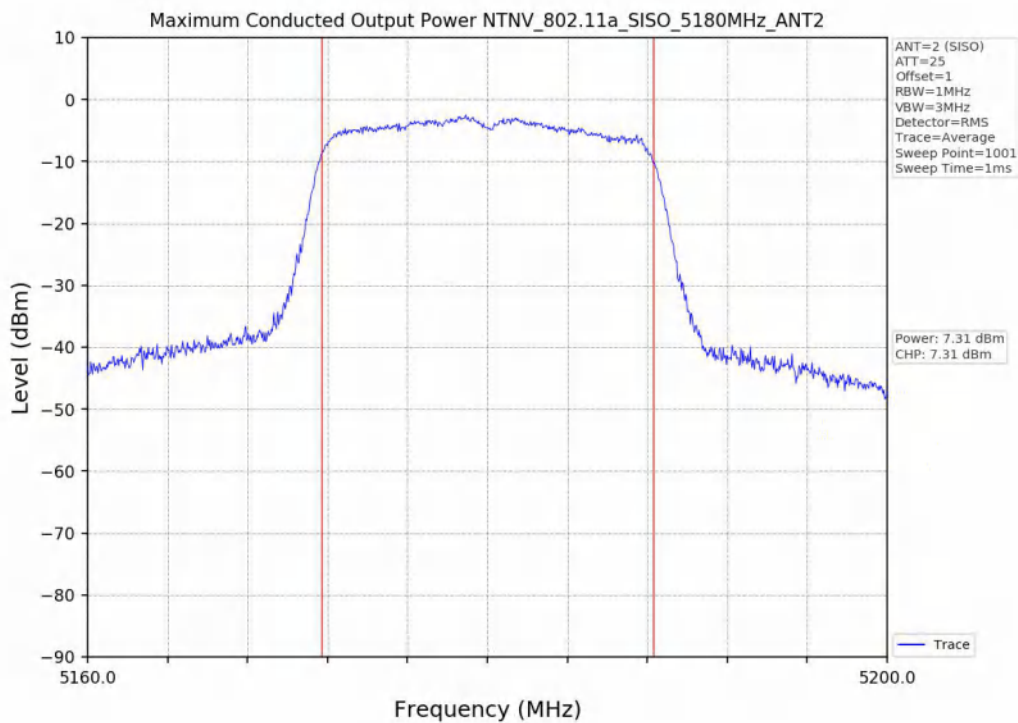
Directional gain=3dBi+10 log (2) = 6.01dBi > 6dBi, So the Conducted Power limit shall be reduced to 23.98-(6.01-6) = 23.97

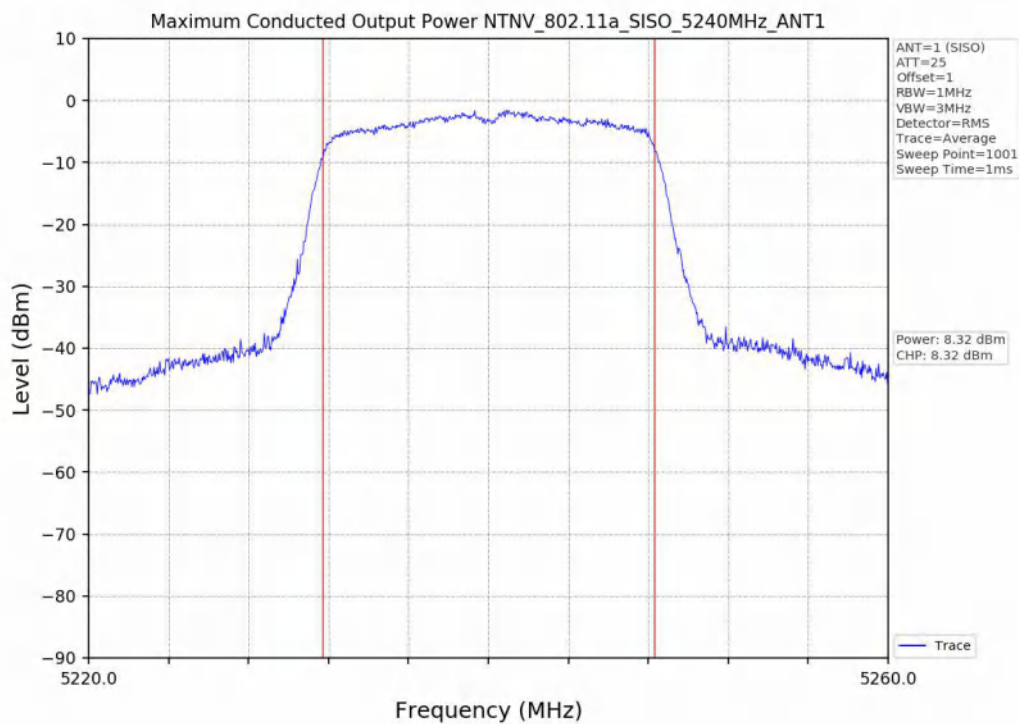
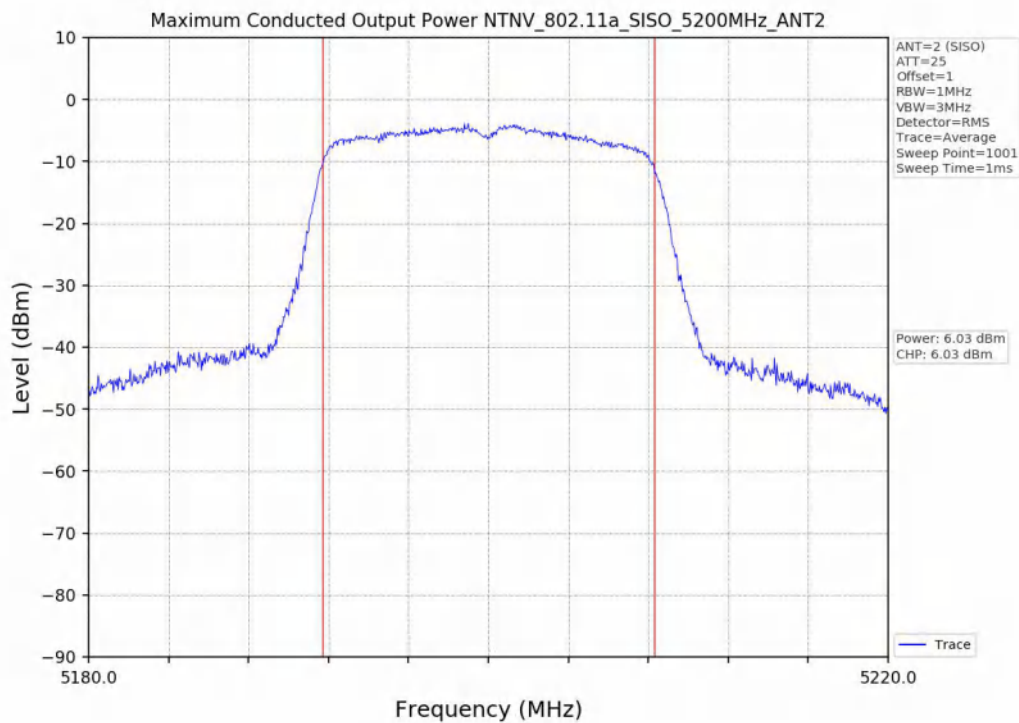
5745-5825MHz:

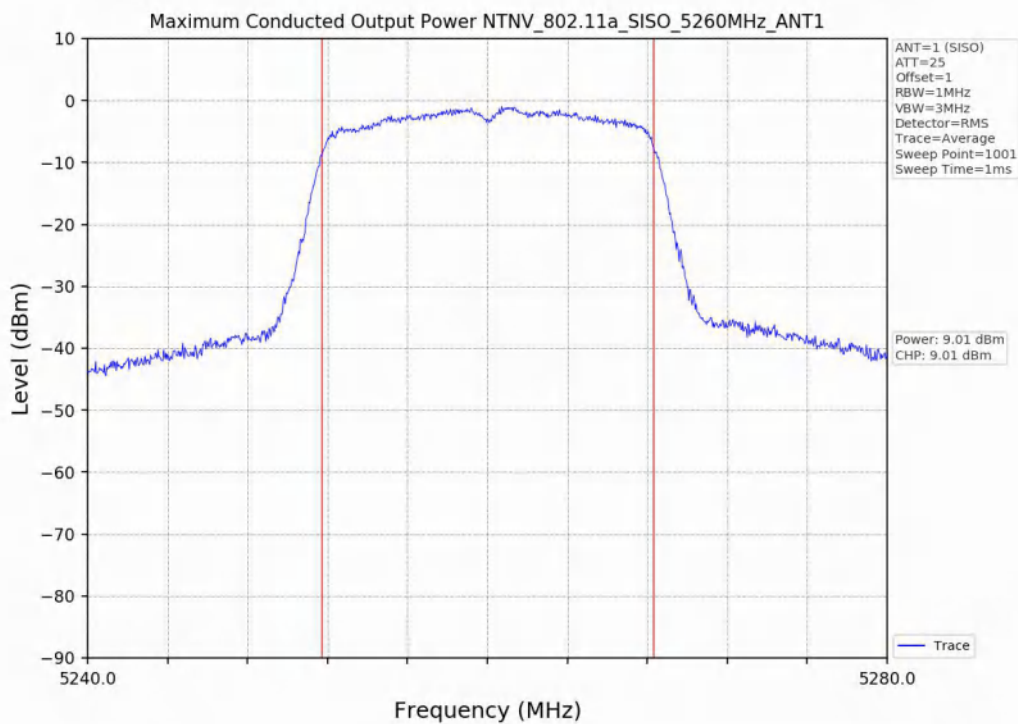
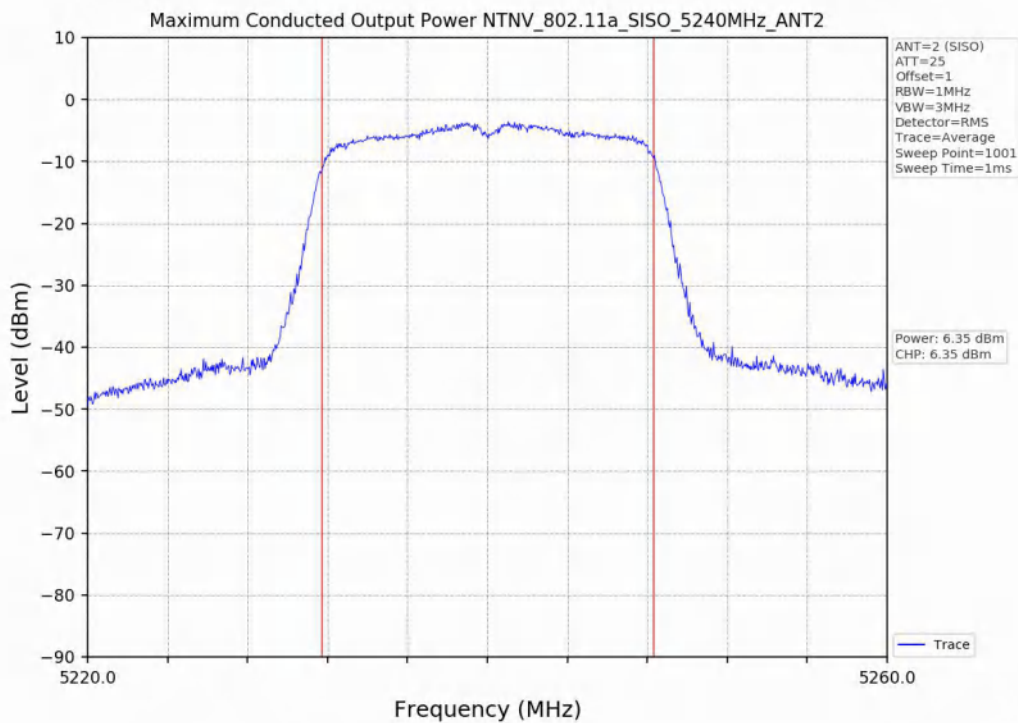
Directional gain=3dBi+10 log (2) = 6.01dBi > 6dBi, So the Conducted Power limit shall be reduced to 30.00-(6.01-6)= 29.99

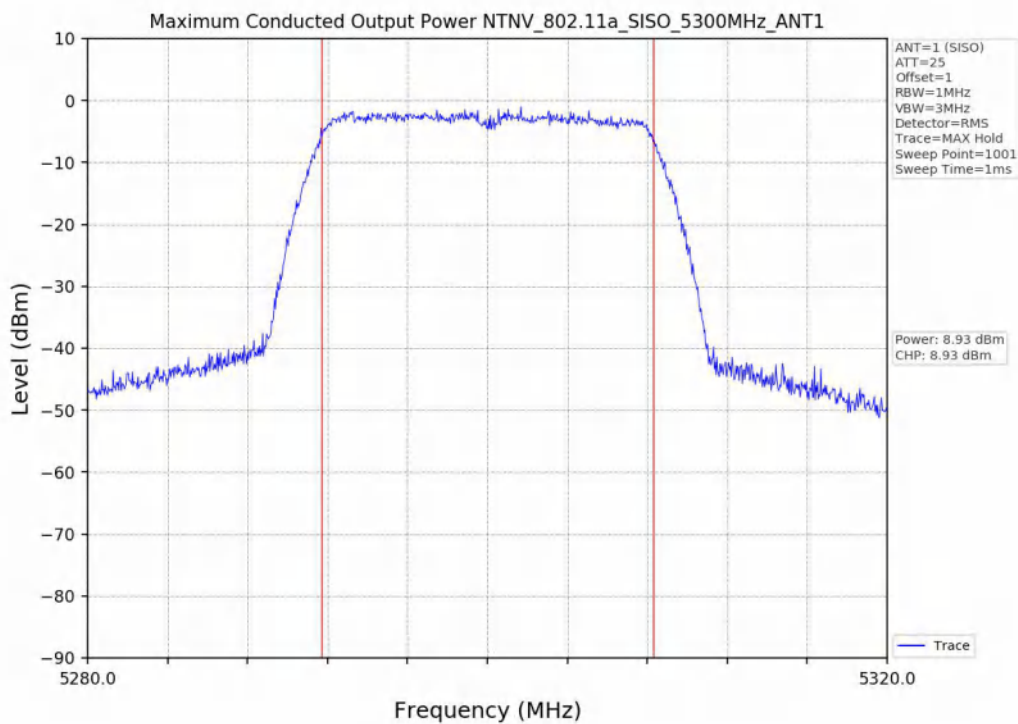
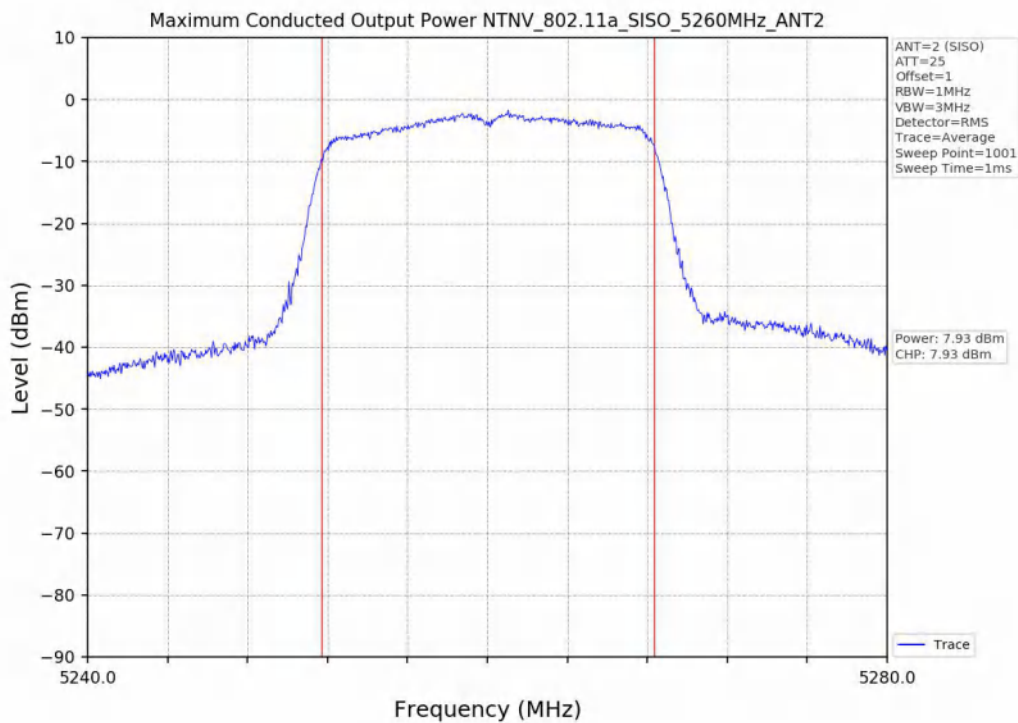
2.2 Test Graph

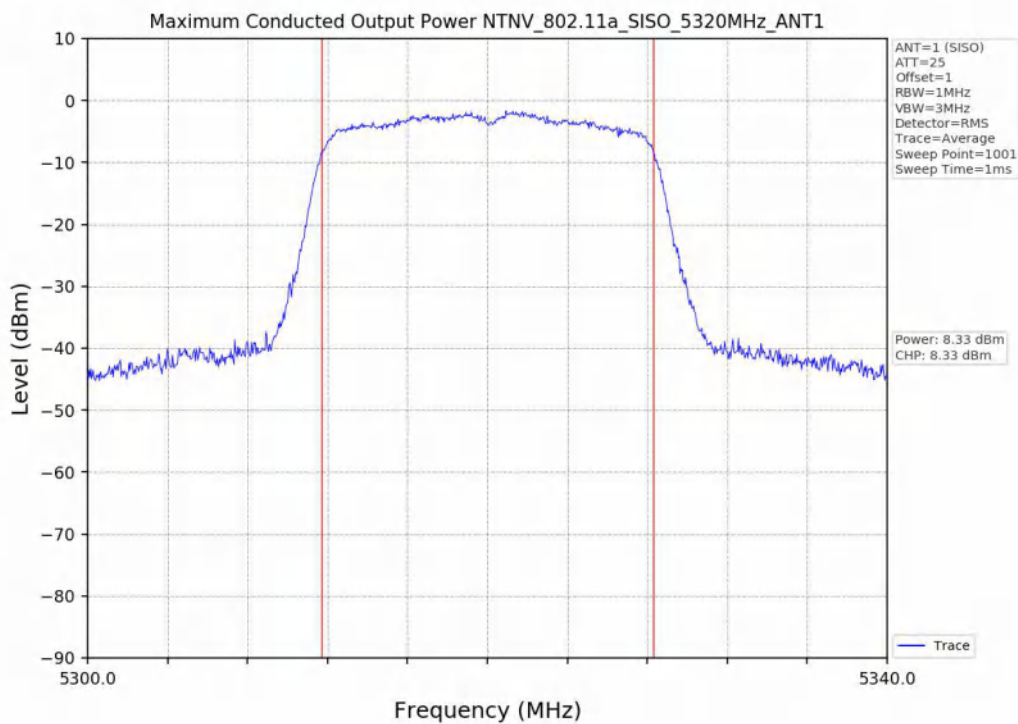
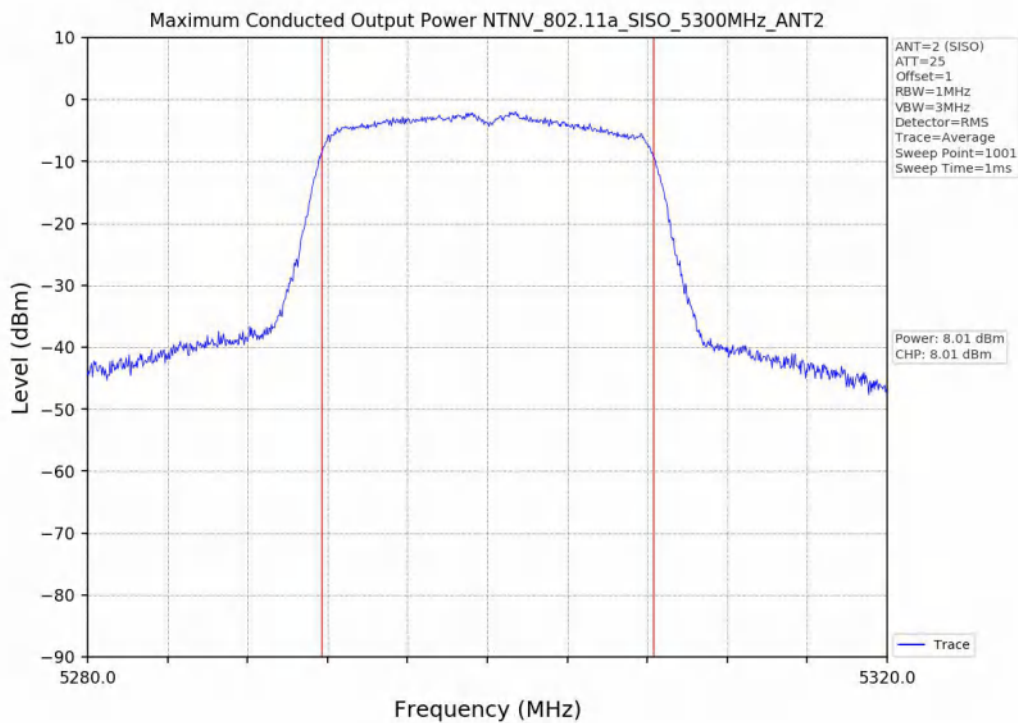


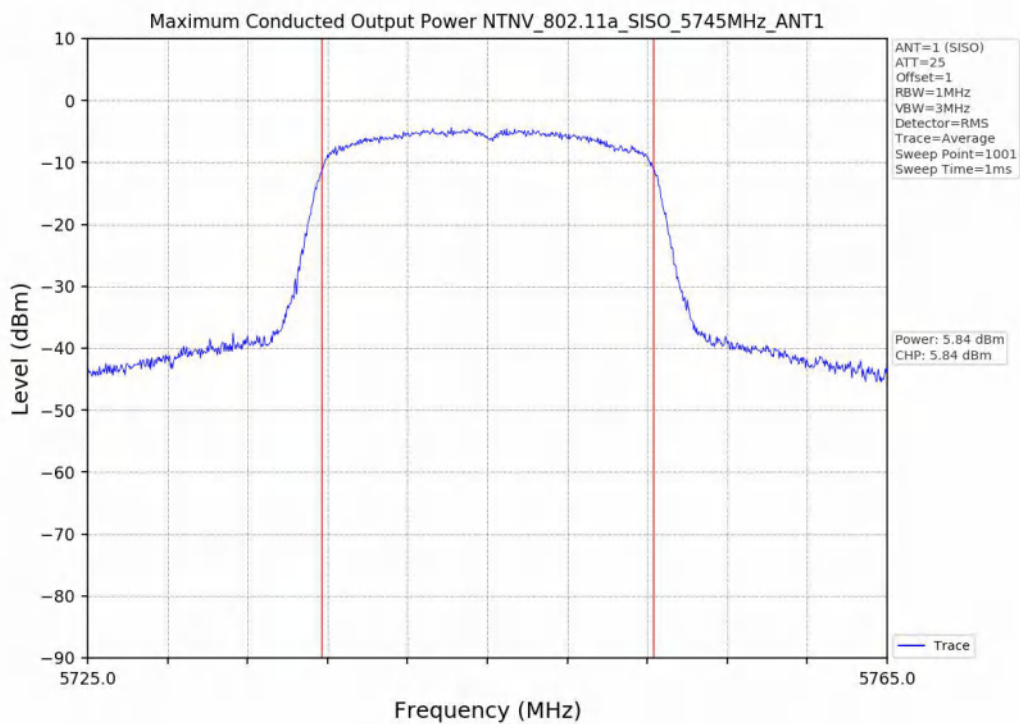
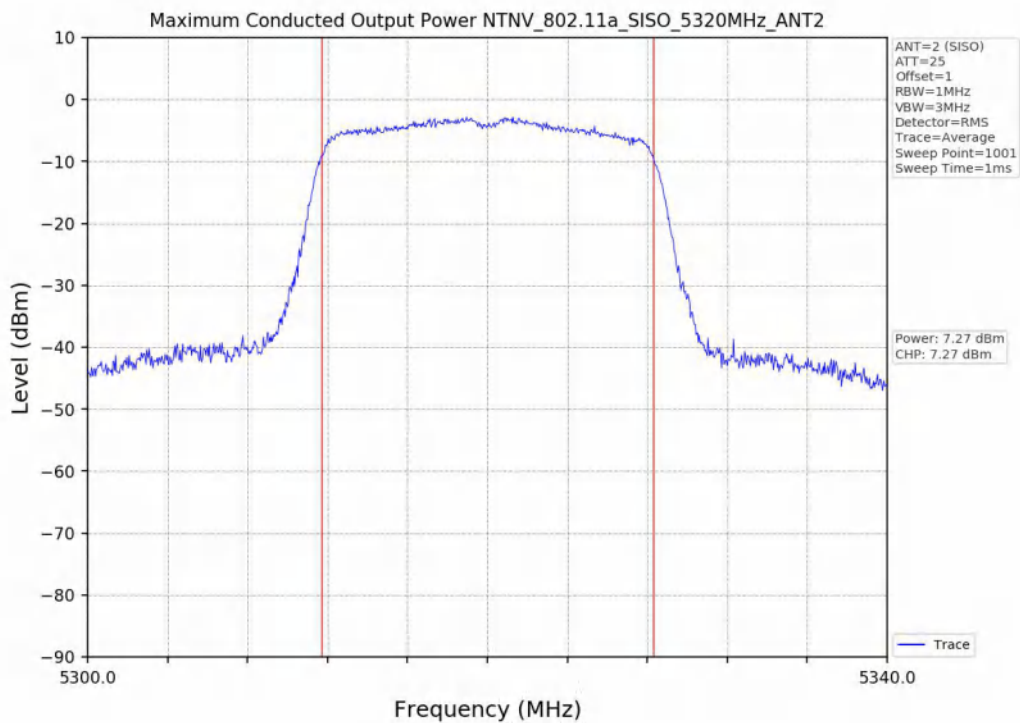


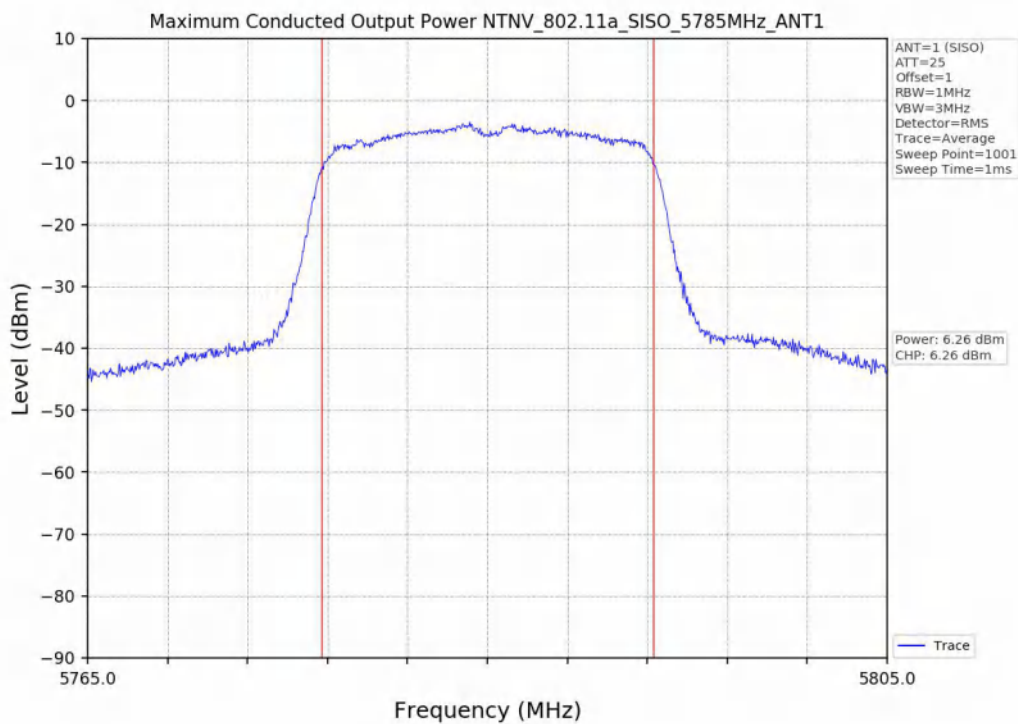
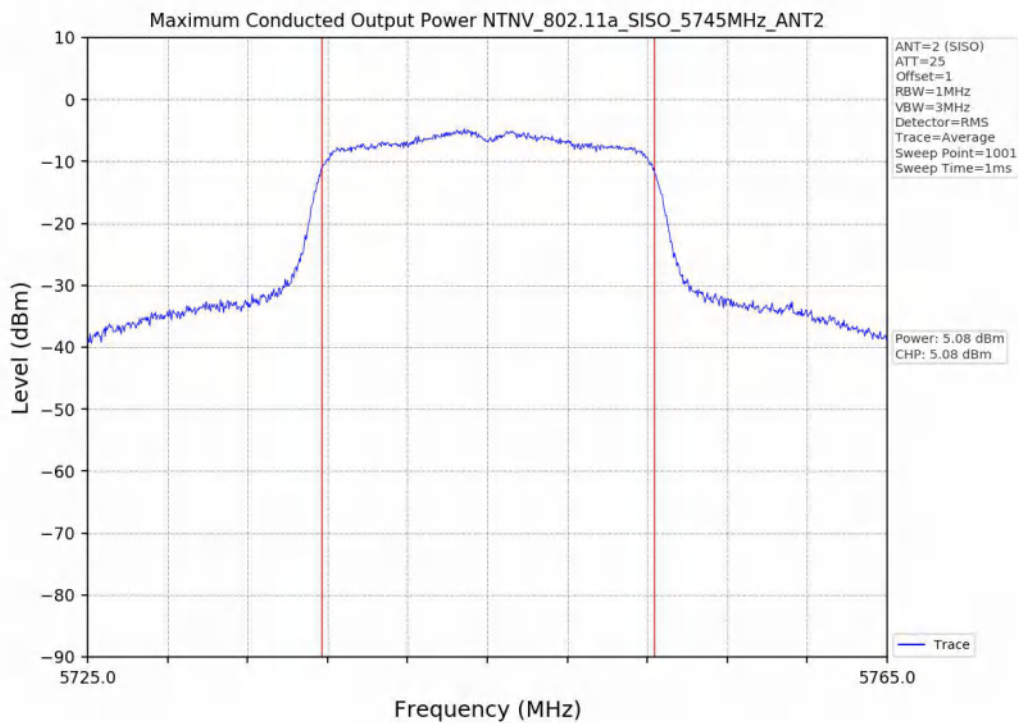


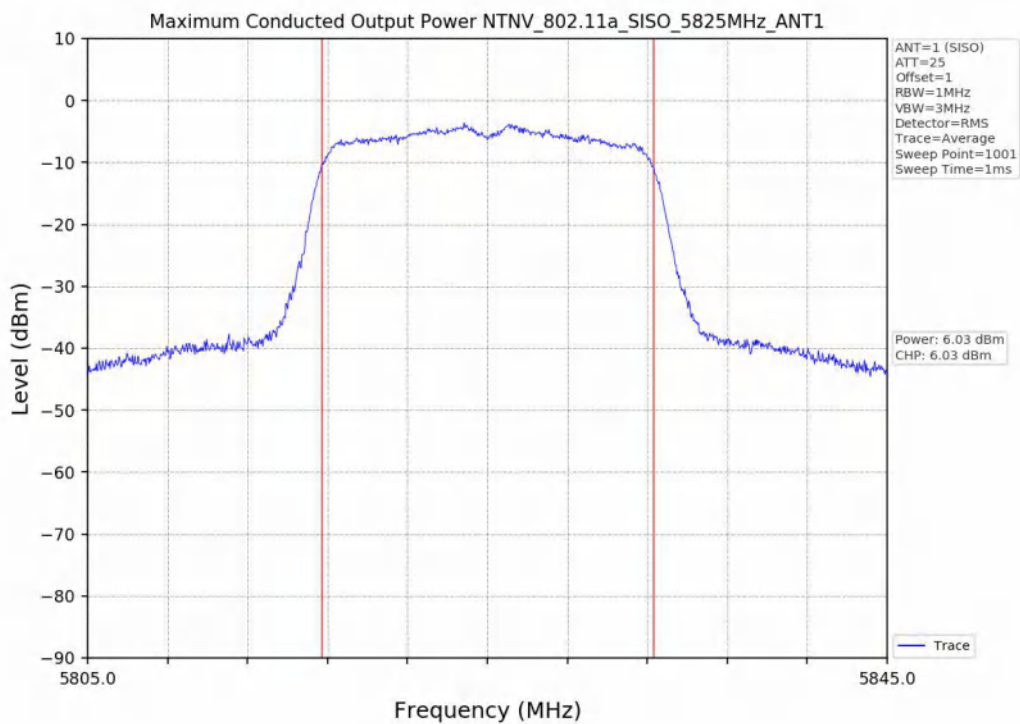
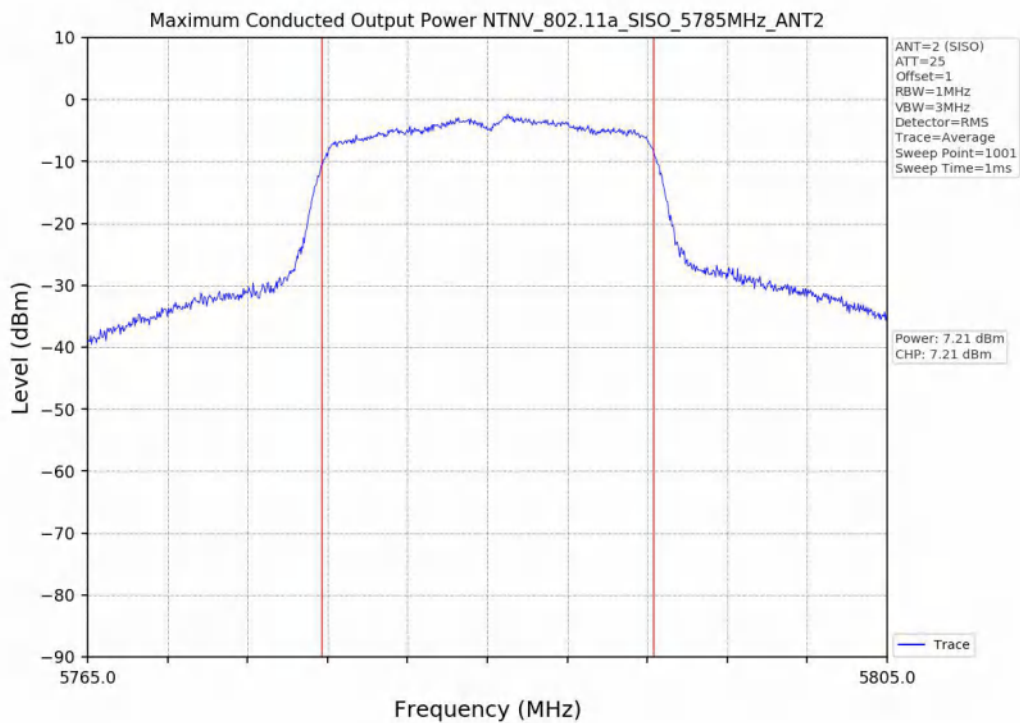


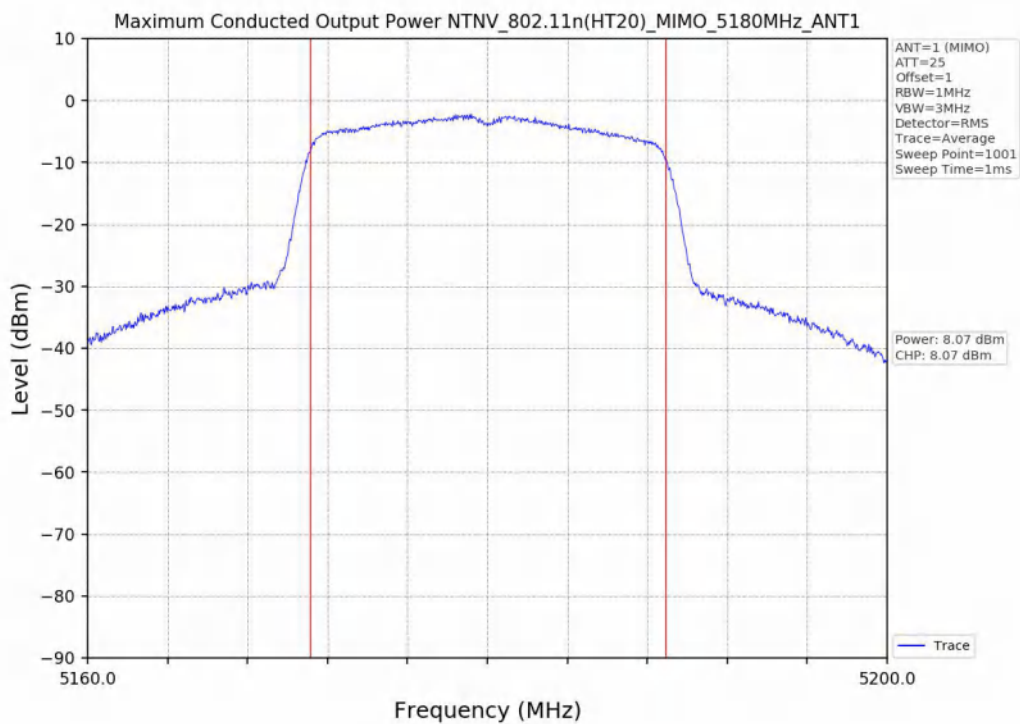
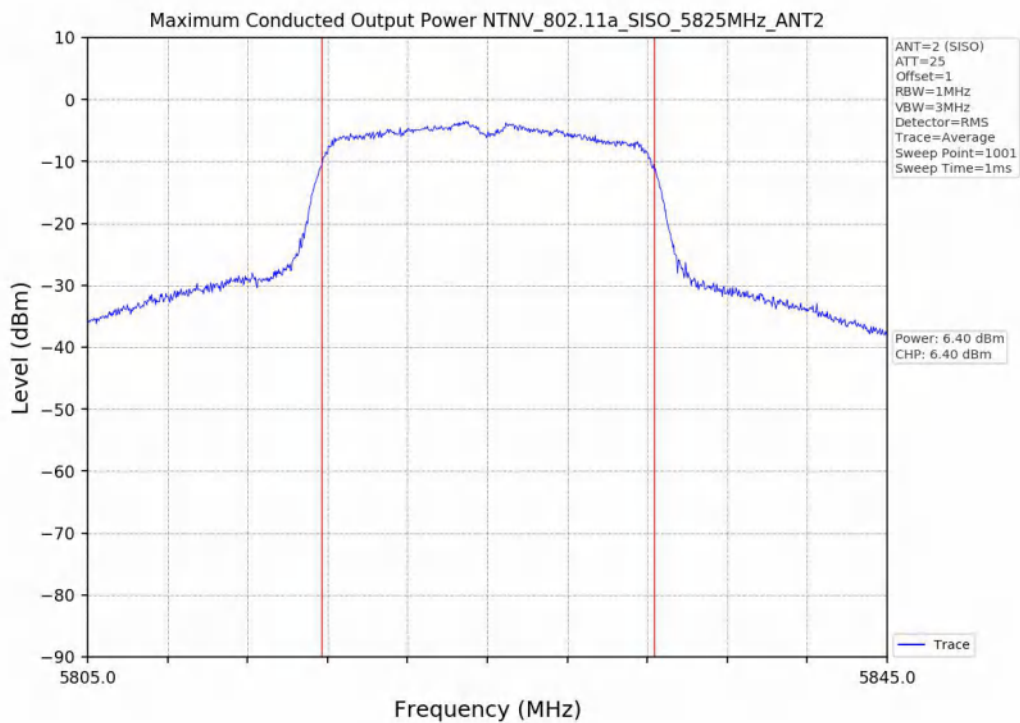


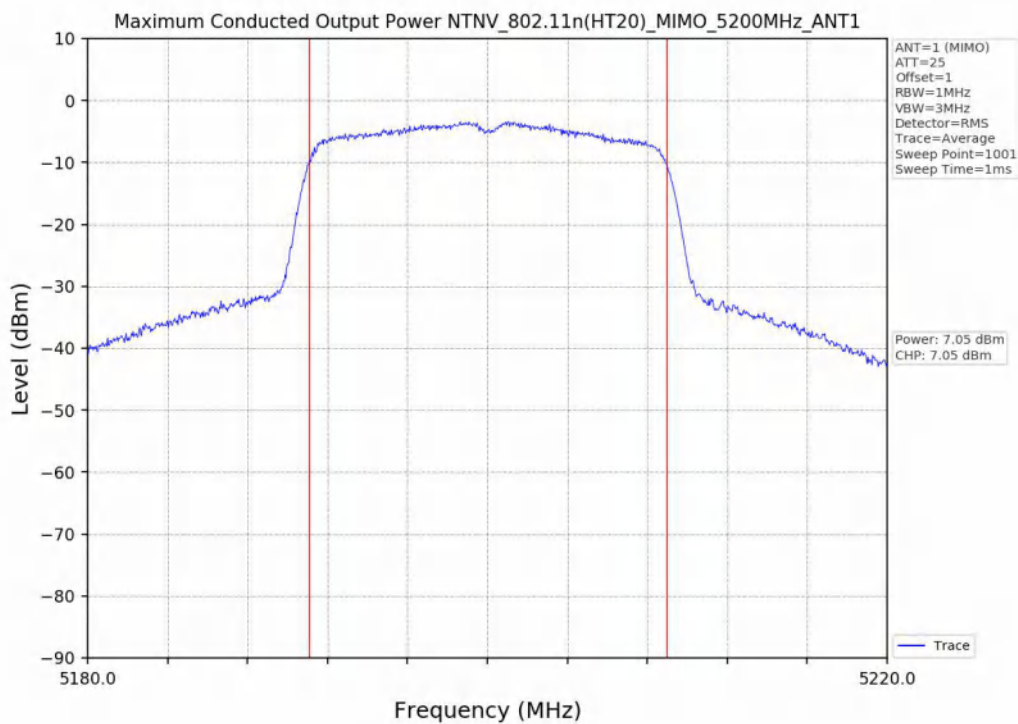
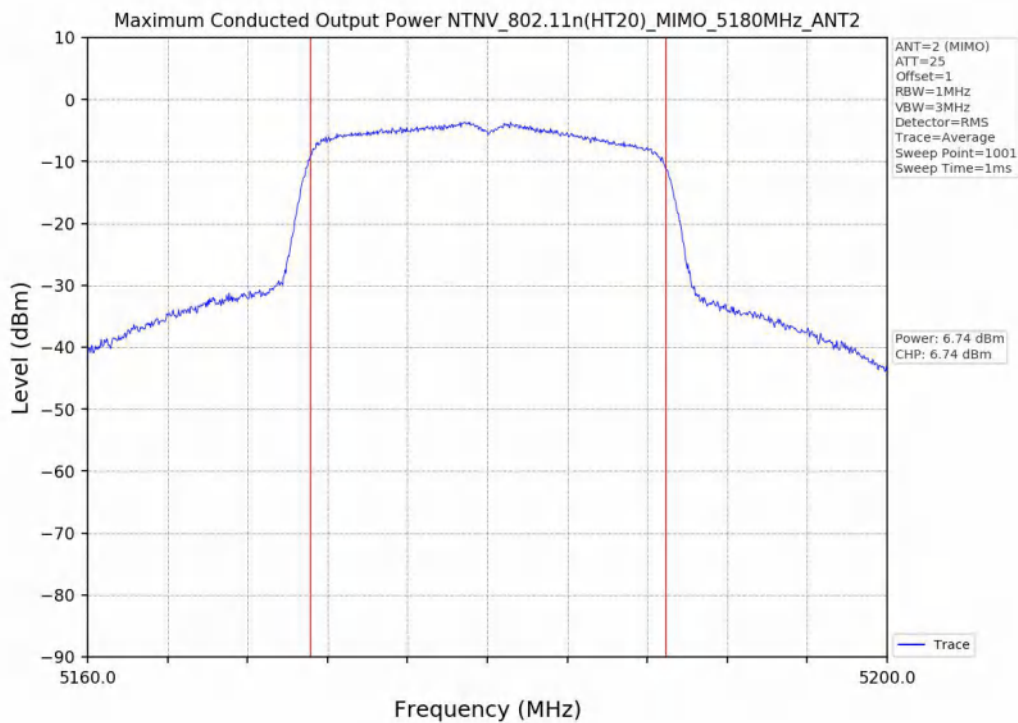


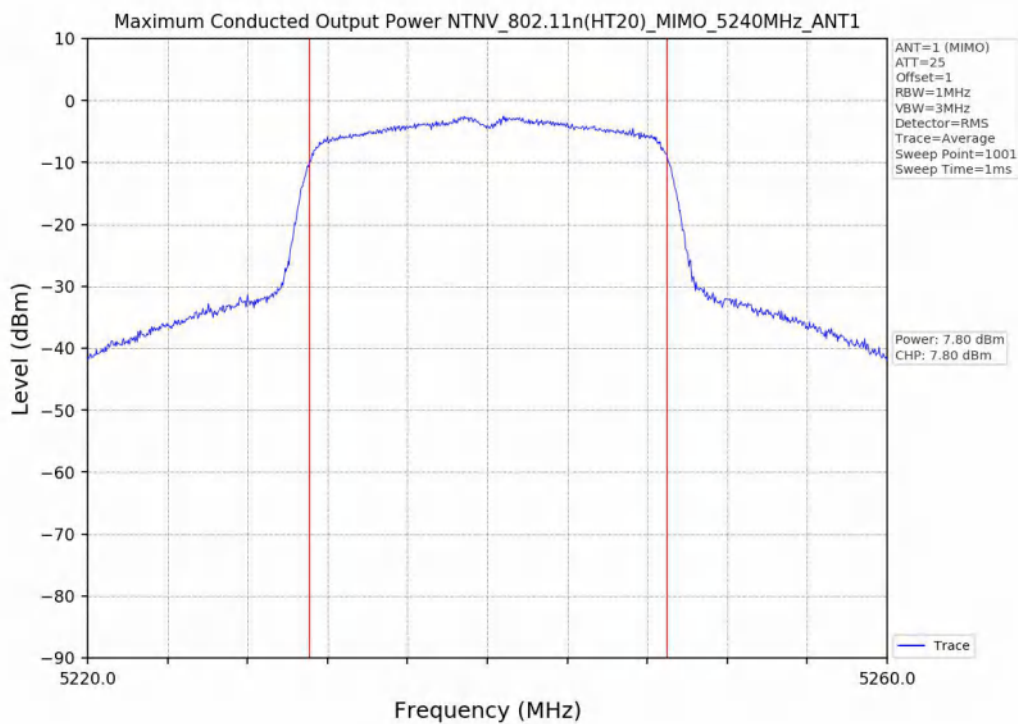
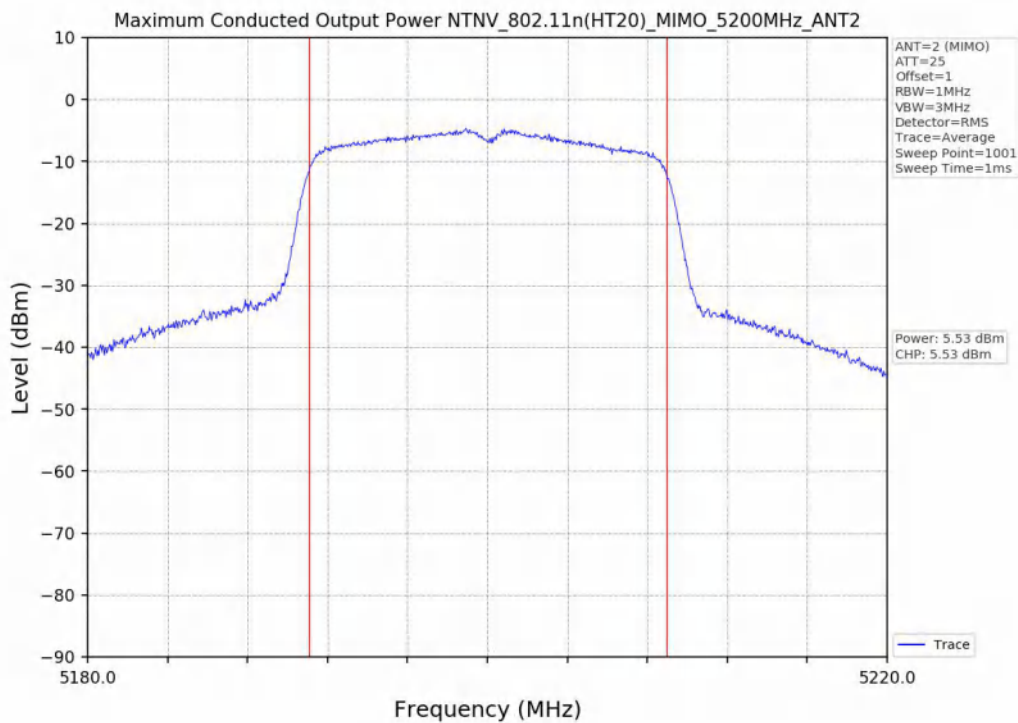


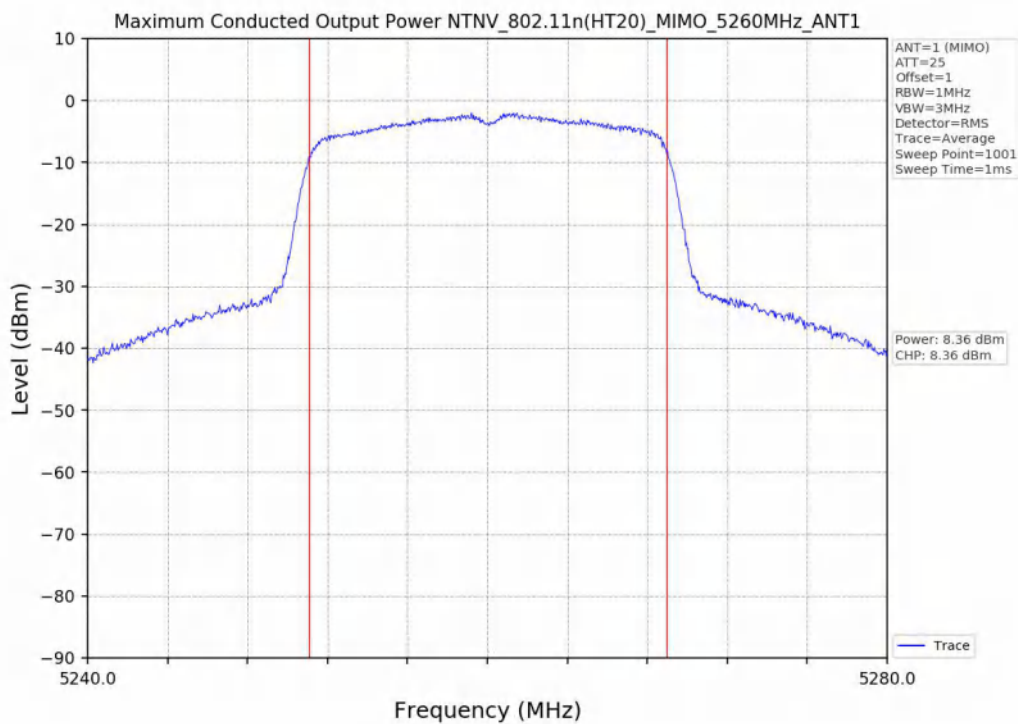
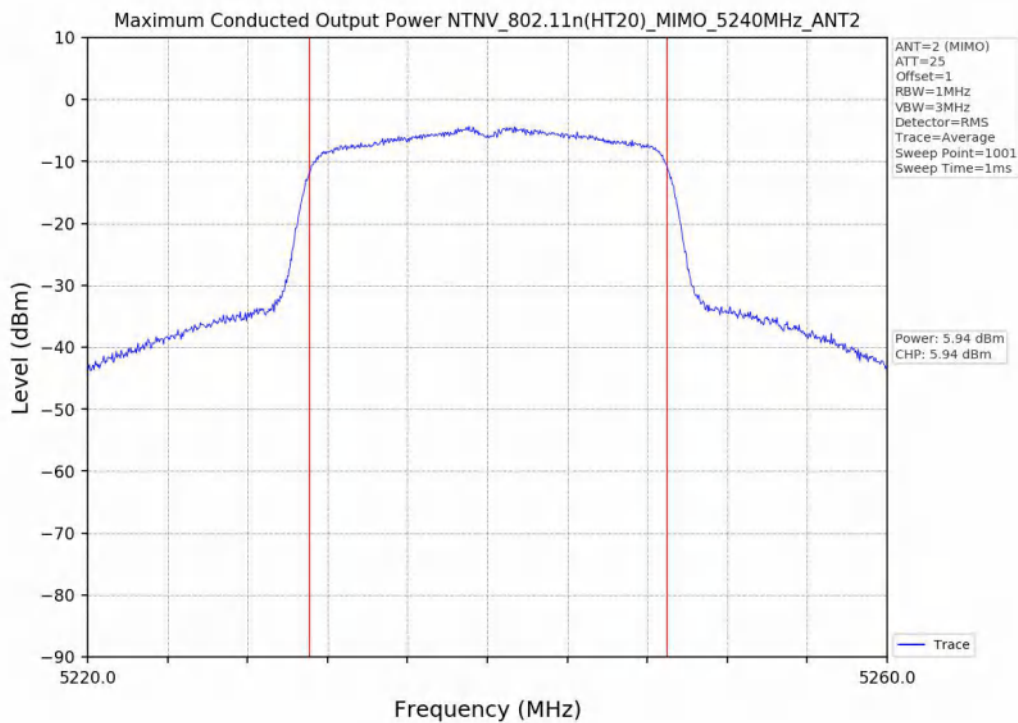


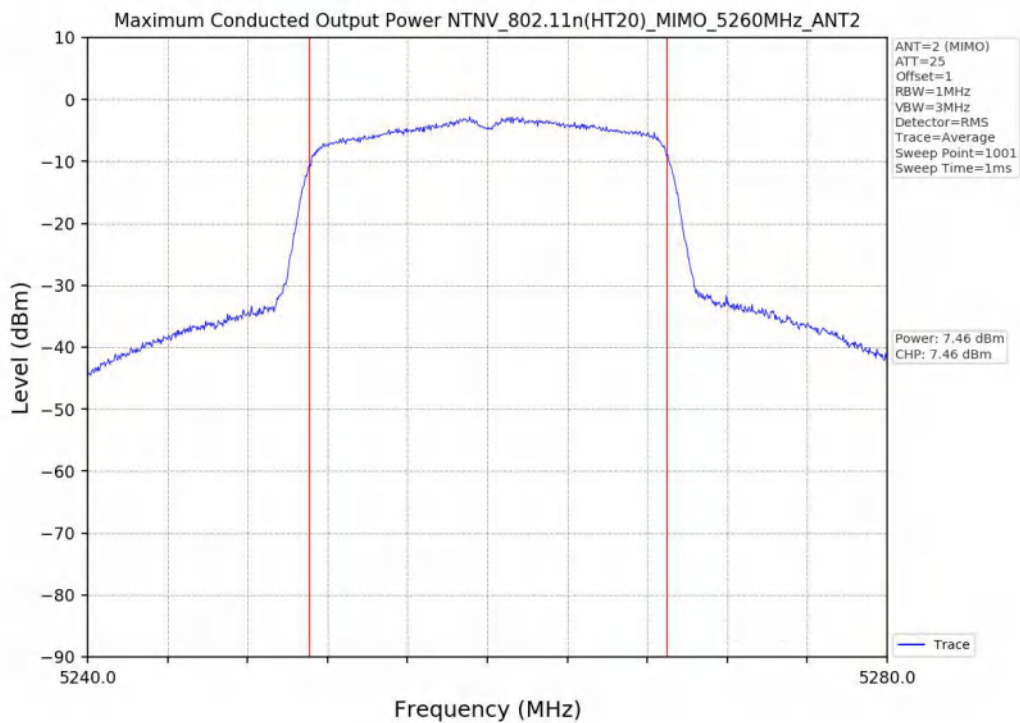


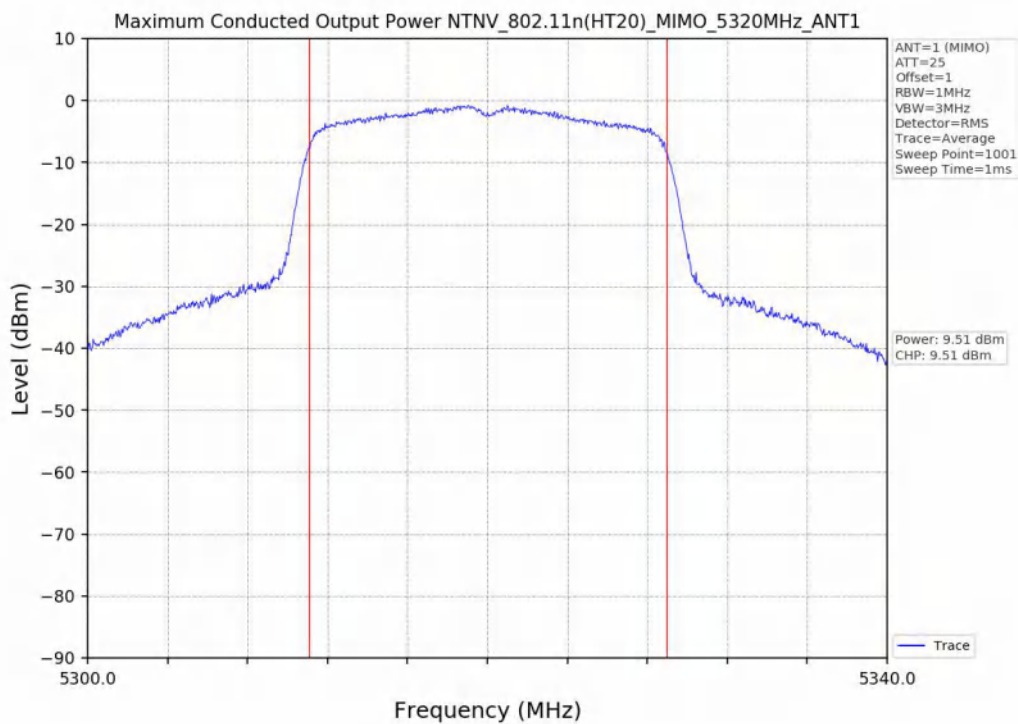
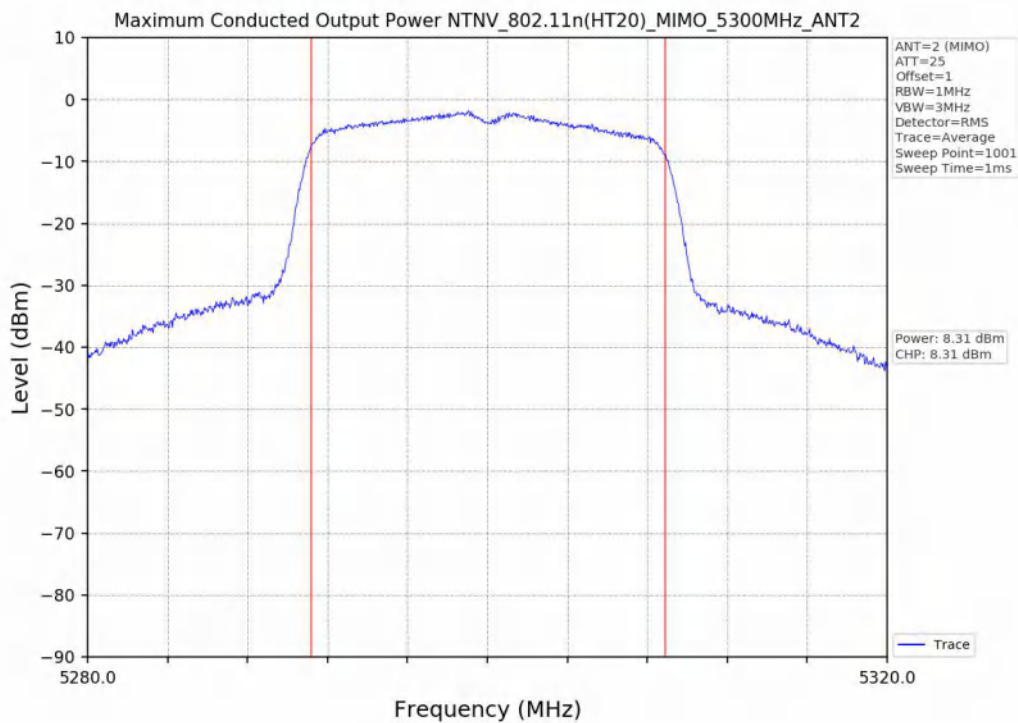


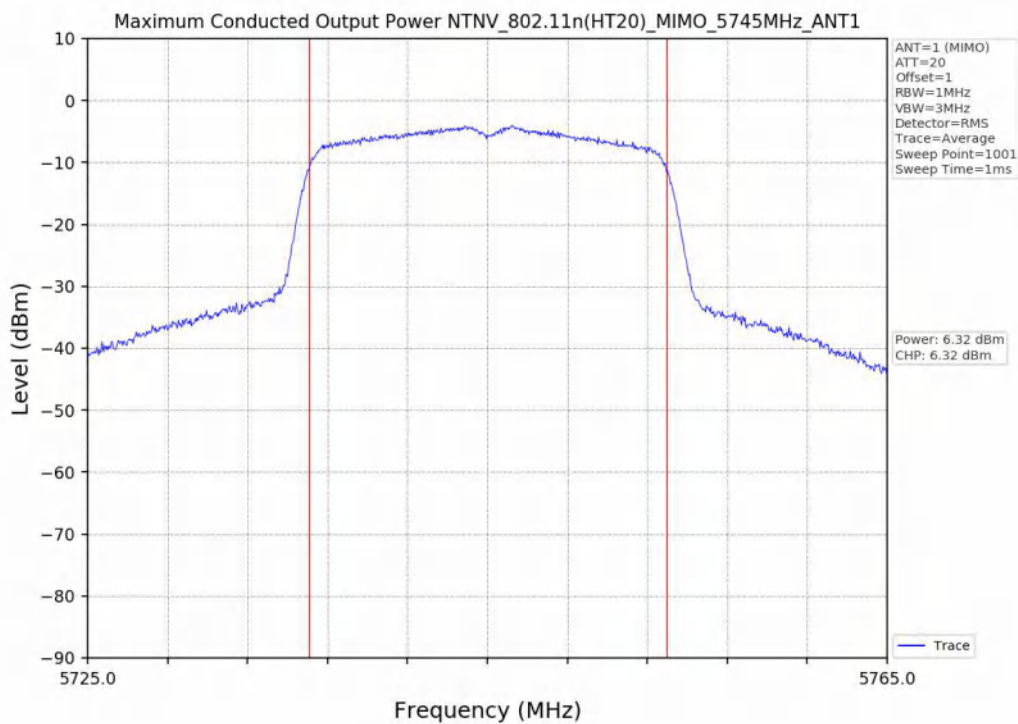
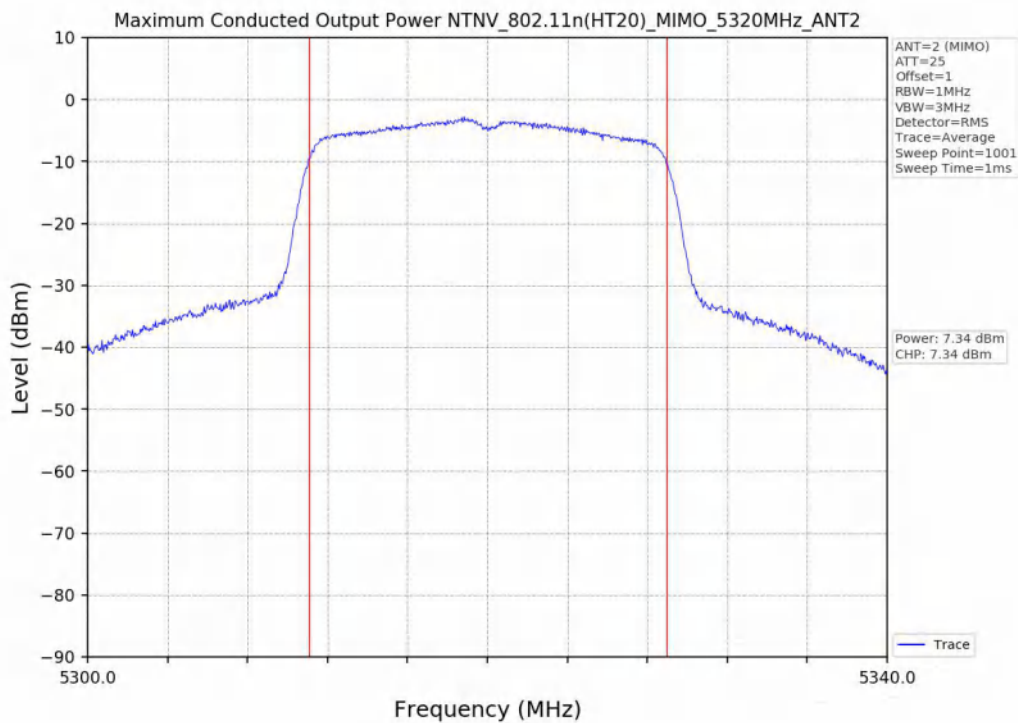


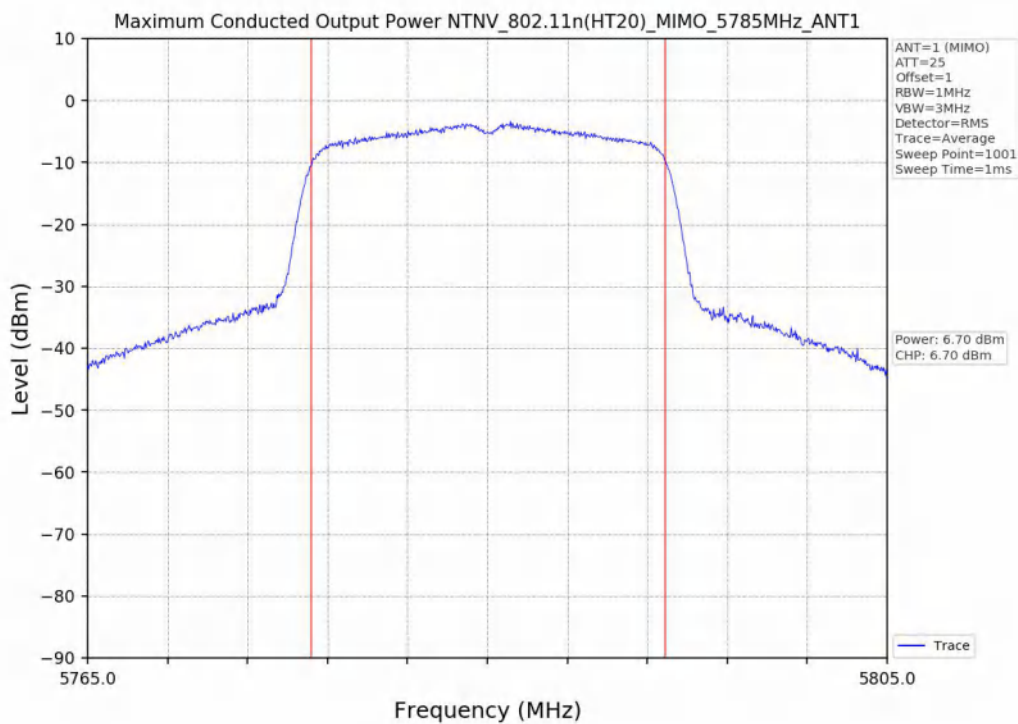
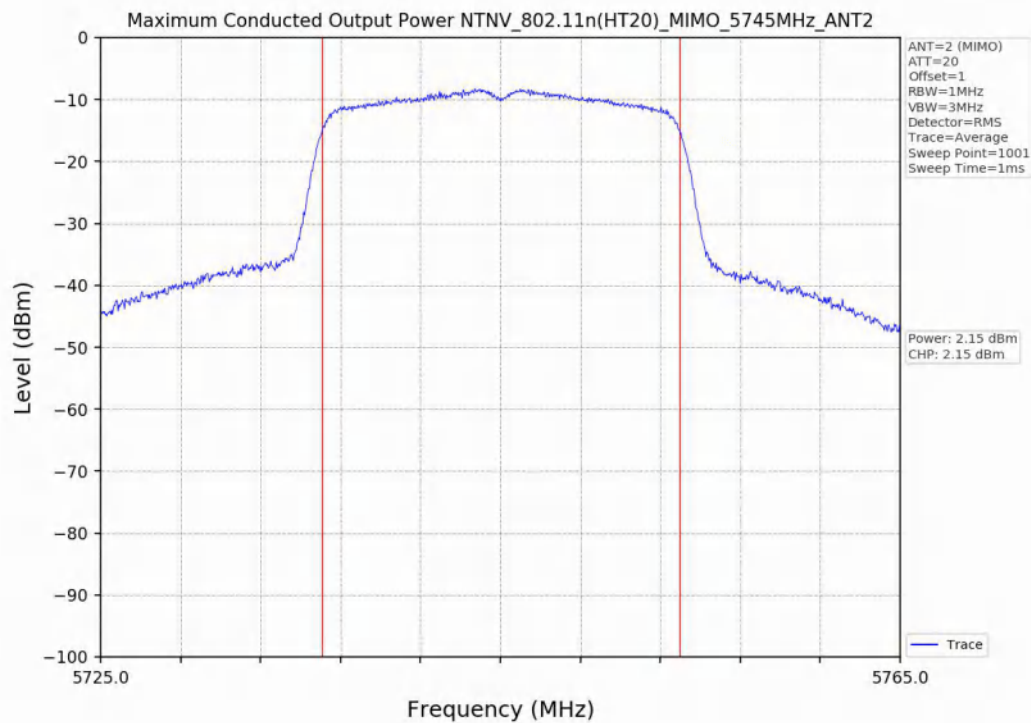


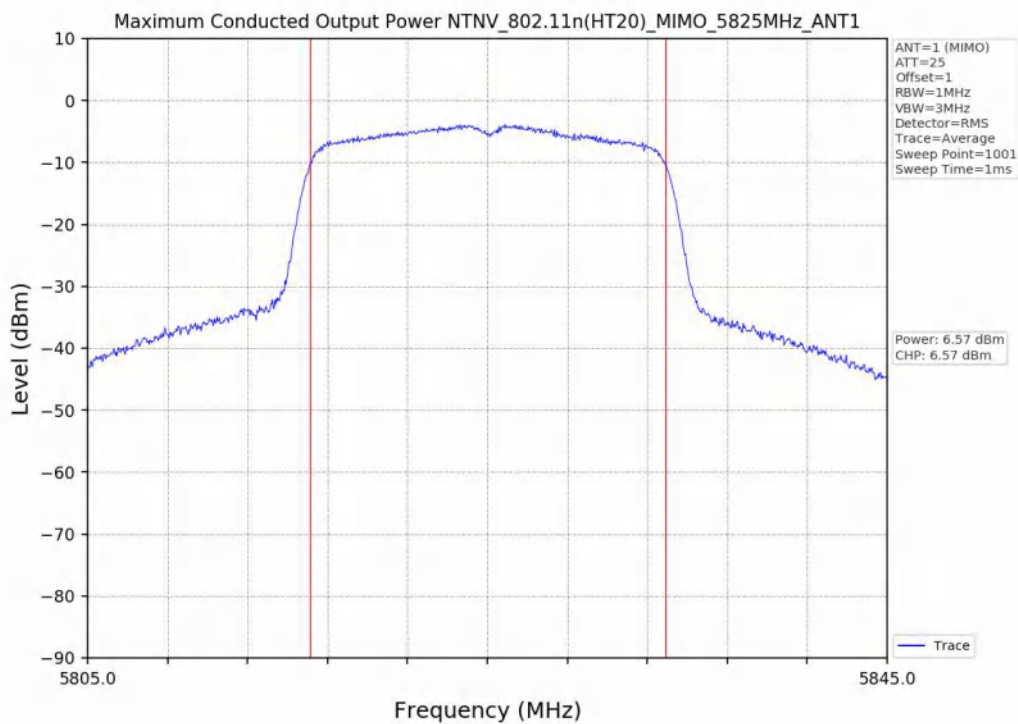
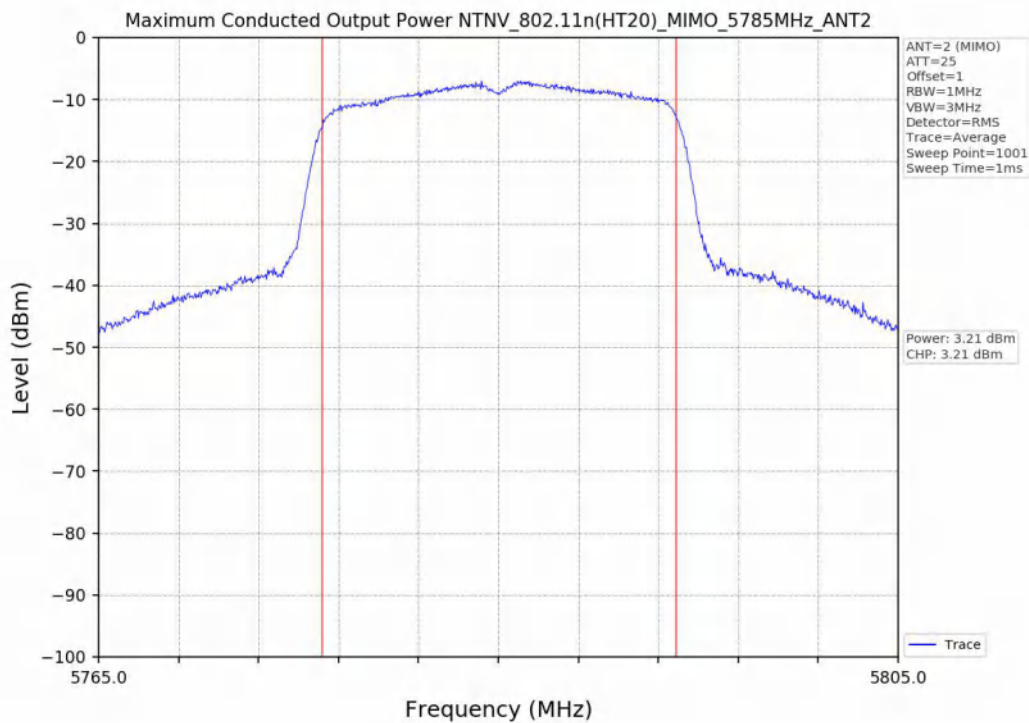


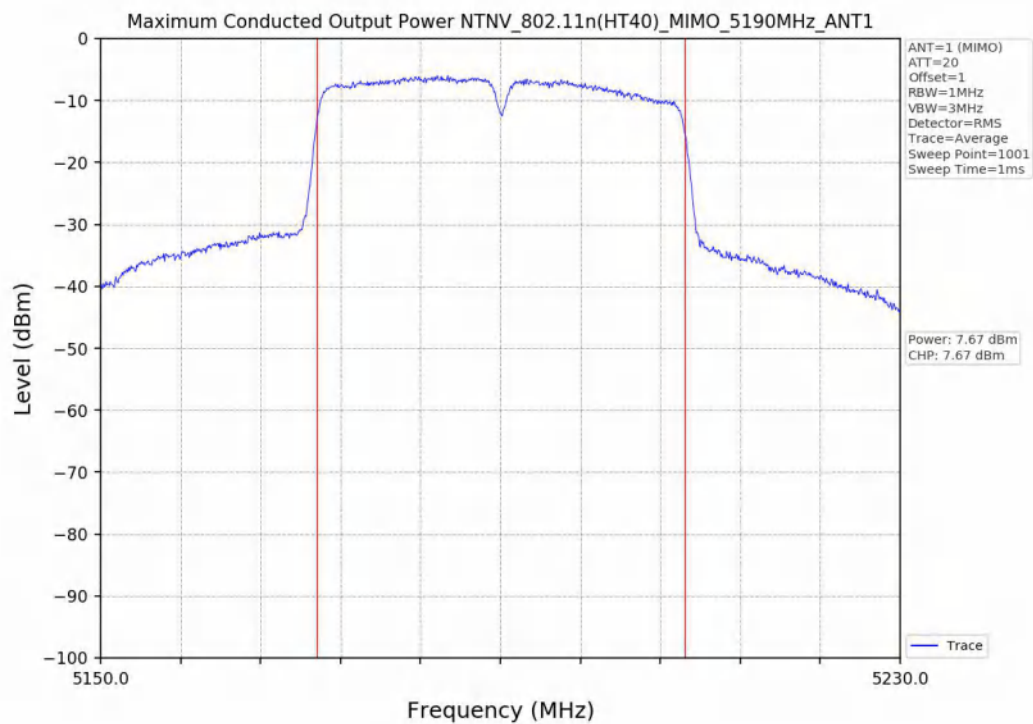
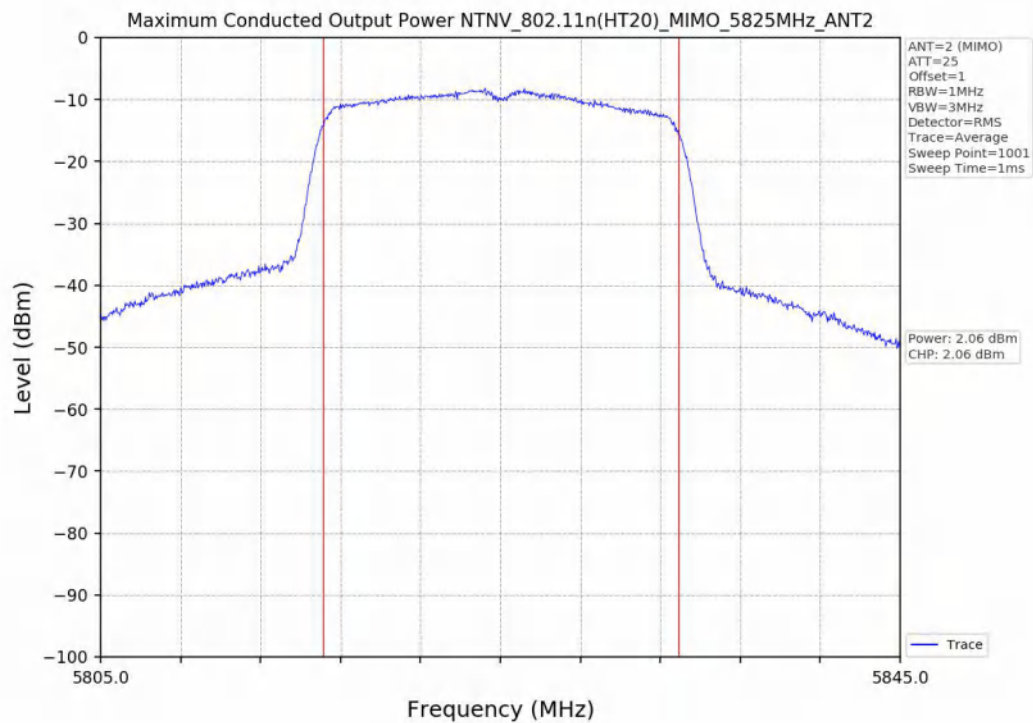


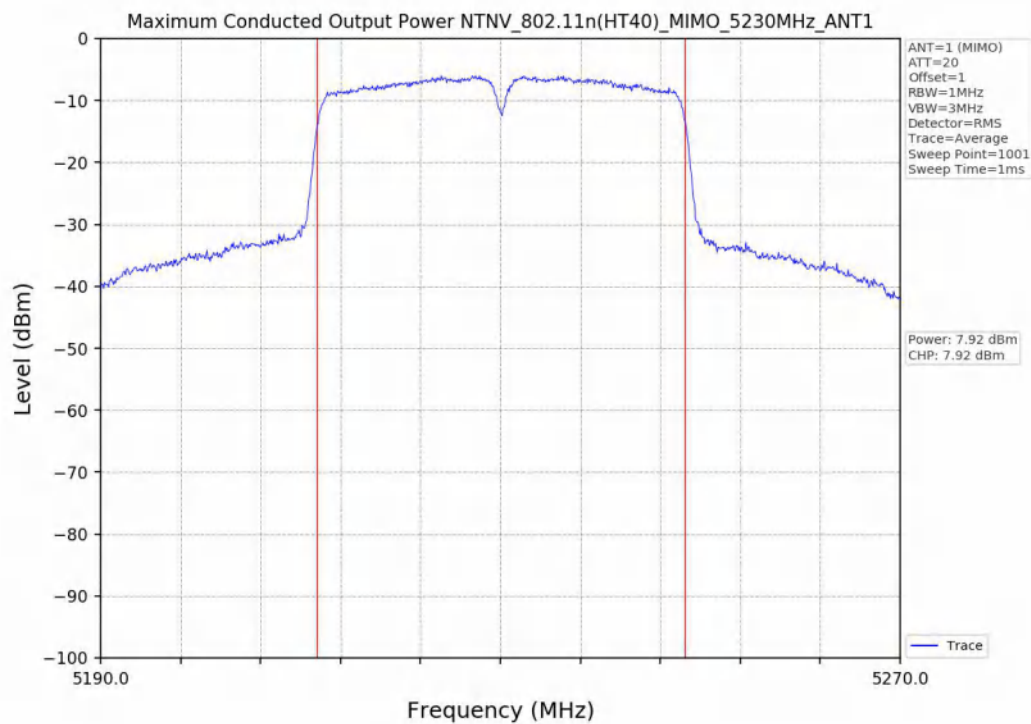
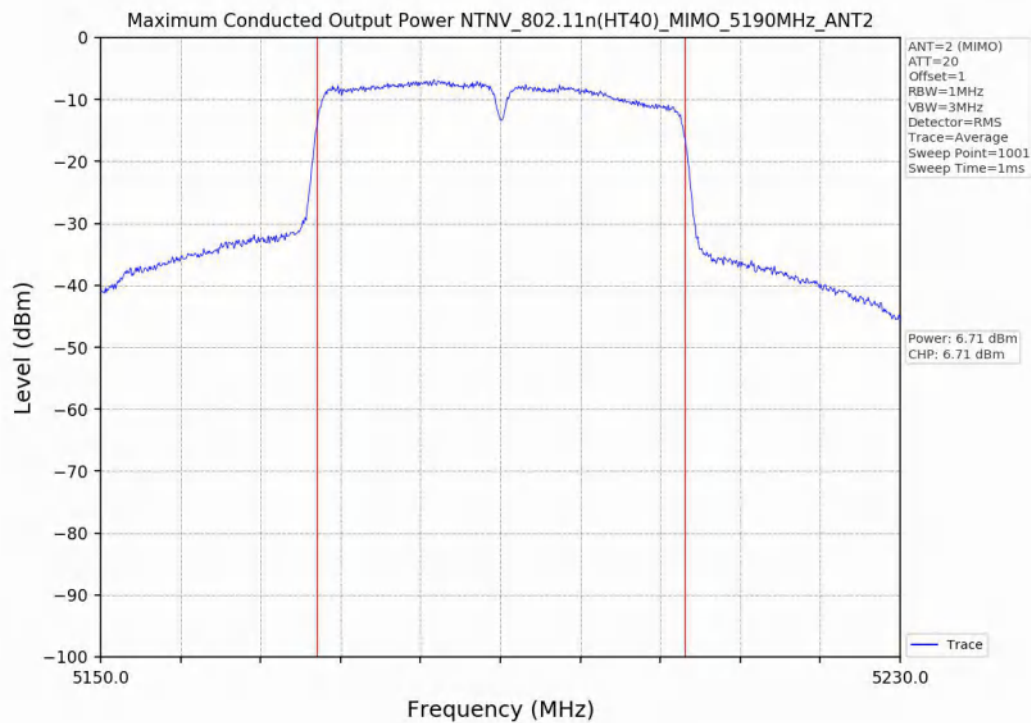


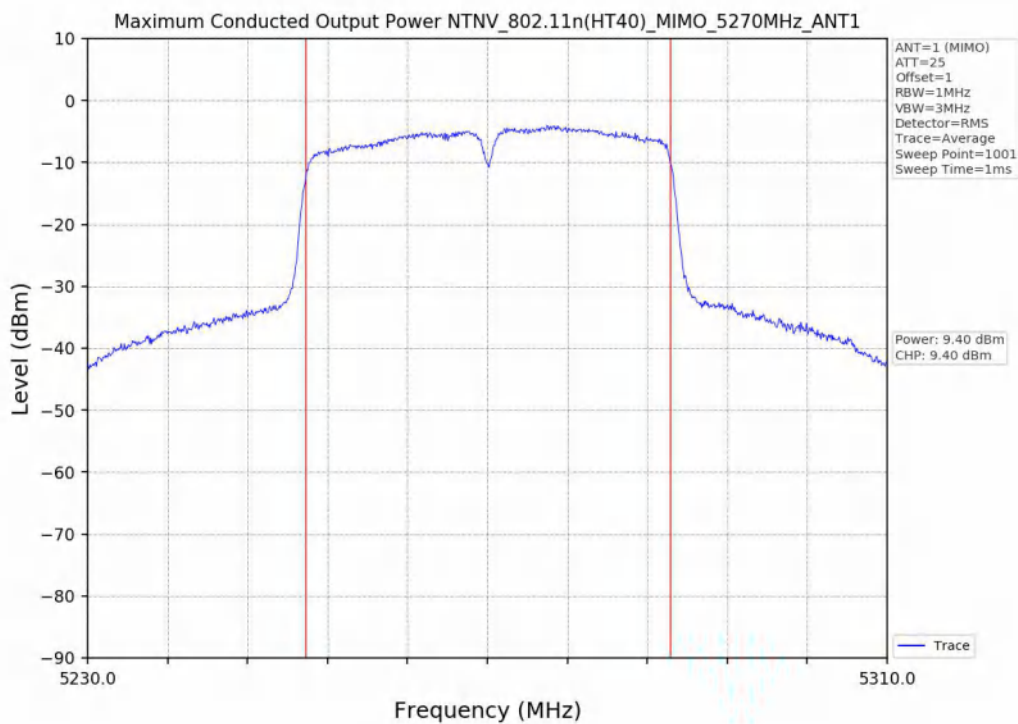
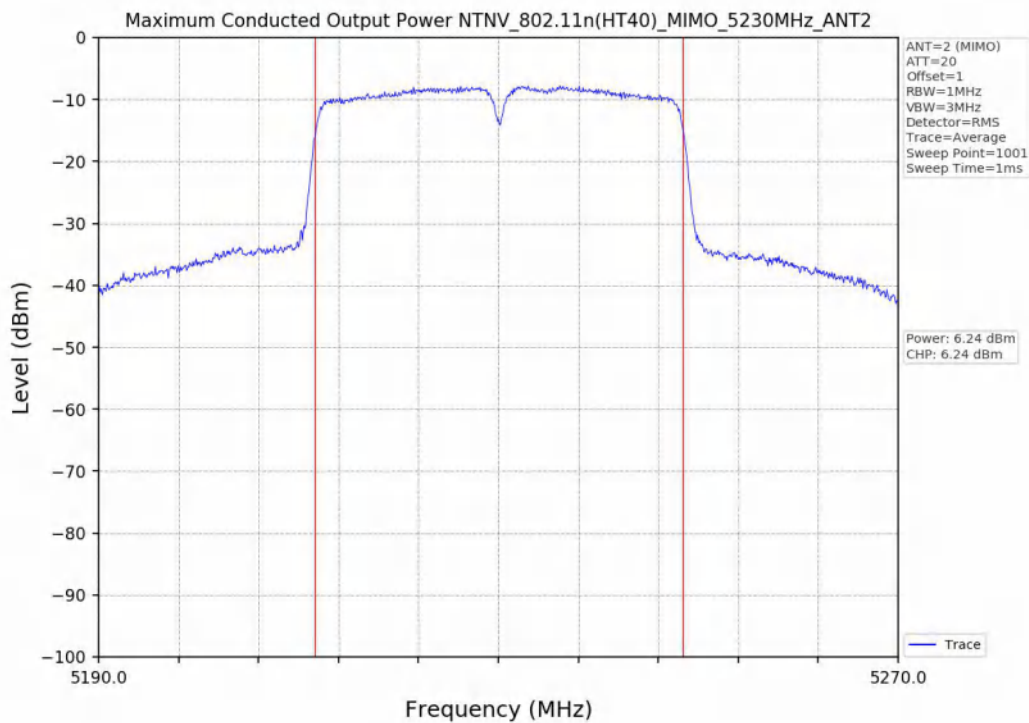


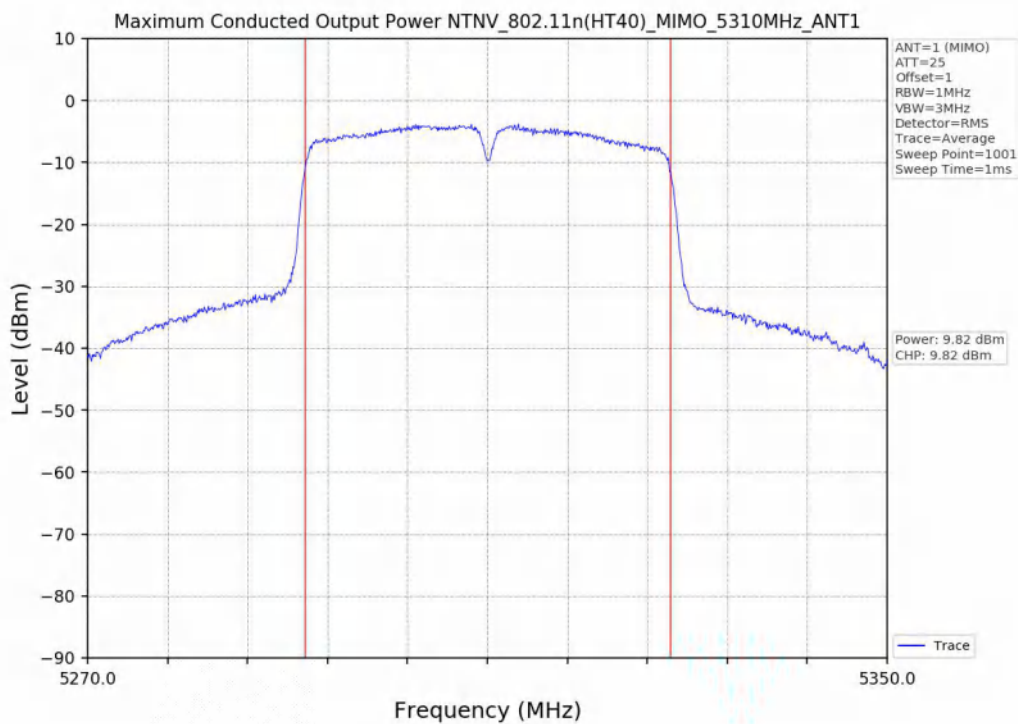
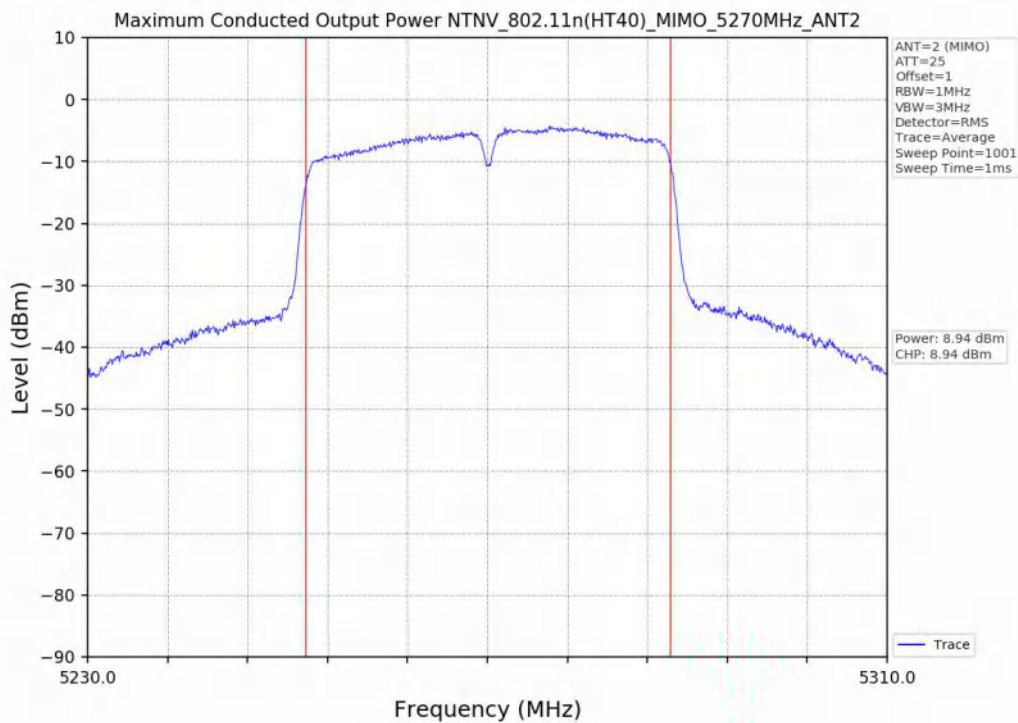


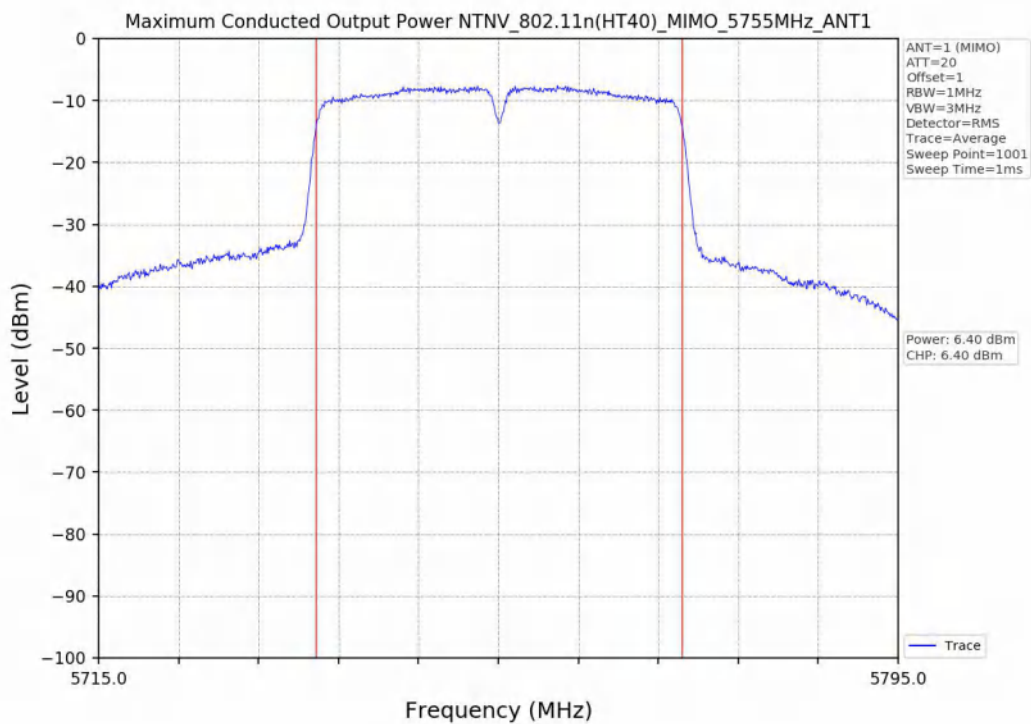
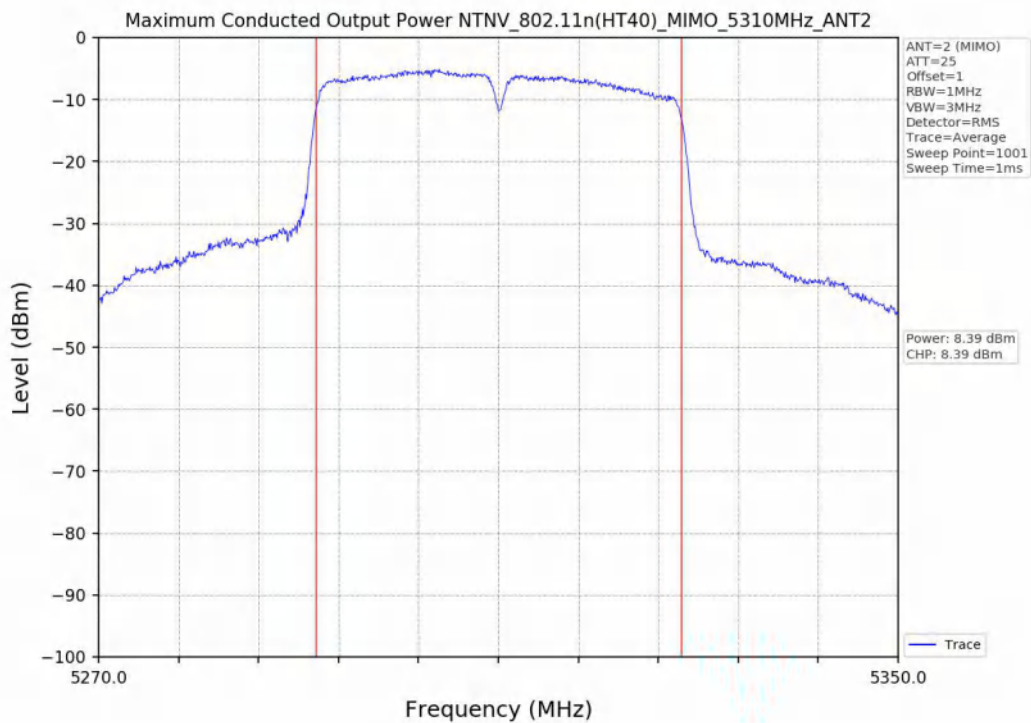


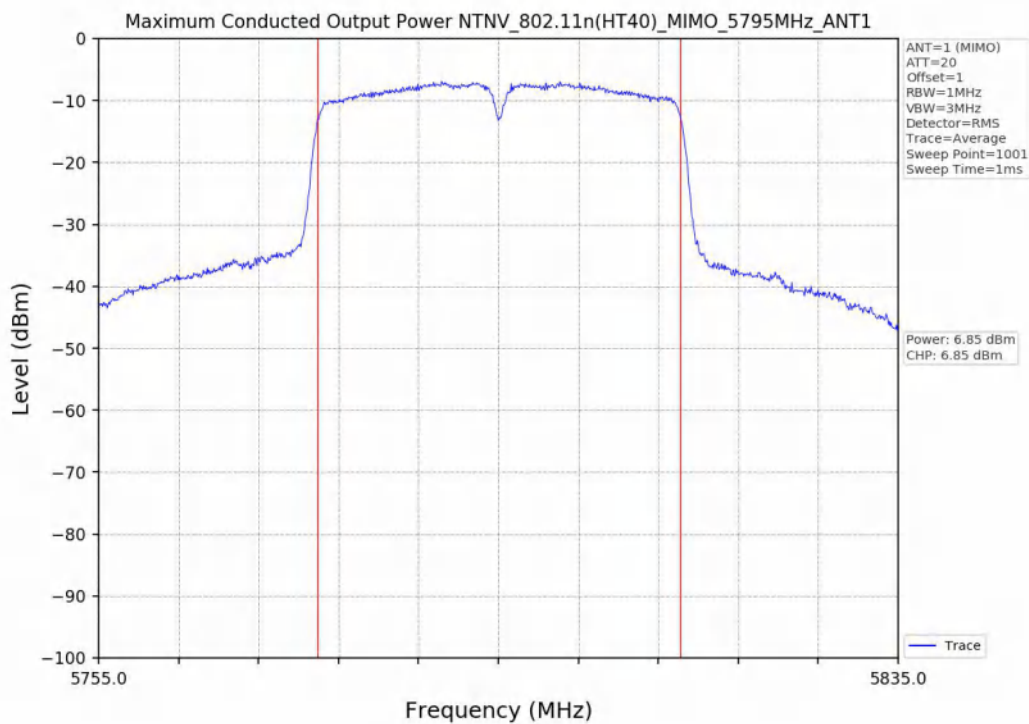
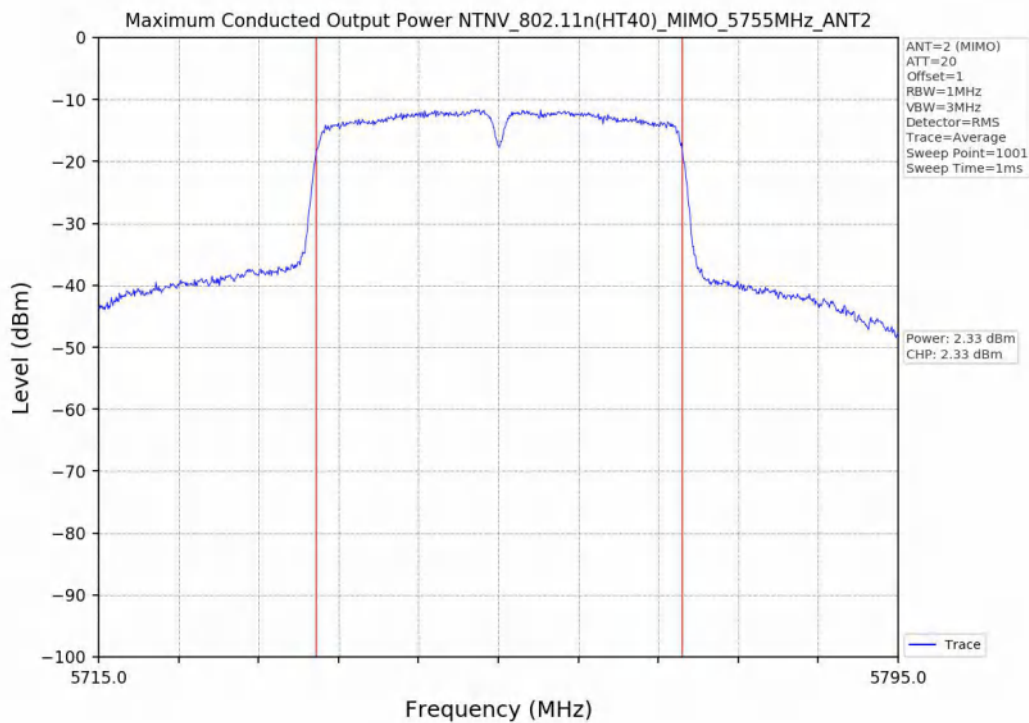


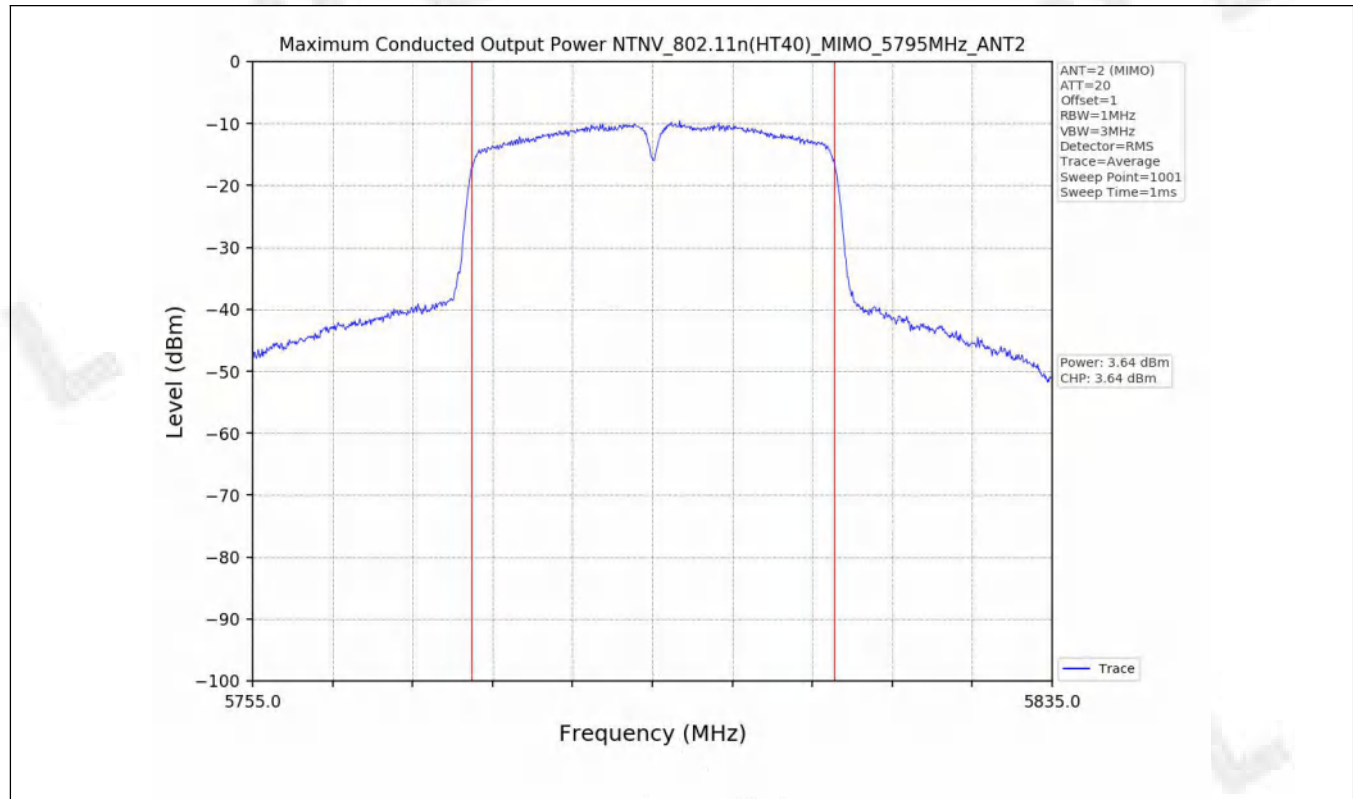












4. Maximum Power Spectral Density (PSD)

4.1 Test Result

Test Mode	Frequency (MHz)	Tx Type	Maximum Power Spectral Density (dBm/MHz)			Limits (dBm/MHz)	Verdict
			Ant 2	Ant 1	Total		
802.11a	5180	SISO	-1.41	-1.70	/	≤10.99	PASS
	5200	SISO	-2.88	4.72	/	≤10.99	PASS
	5240	SISO	-2.62	-0.92	/	≤10.99	PASS
	5260	SISO	-1.22	0.04	/	≤10.99	PASS
	5300	SISO	-1.14	6.01	/	≤10.99	PASS
	5320	SISO	-2.12	-0.86	/	≤10.99	PASS
802.11n(HT20)	5180	MIMO	-3.55	-2.43	0.06	≤10.99	PASS
	5200	MIMO	-4.82	-3.16	-0.90	≤10.99	PASS
	5240	MIMO	-4.01	-2.41	-0.13	≤10.99	PASS
	5260	MIMO	-2.82	-1.90	0.67	≤10.99	PASS
	5300	MIMO	-1.72	-0.71	1.82	≤10.99	PASS
	5320	MIMO	-2.85	-0.54	1.47	≤10.99	PASS
802.11n(HT40)	5190	MIMO	-6.56	-5.73	-3.11	≤10.99	PASS
	5230	MIMO	-7.60	-5.86	-3.63	≤10.99	PASS
	5270	MIMO	-4.24	-3.69	-0.95	≤10.99	PASS
	5310	MIMO	-5.06	-3.59	-1.25	≤10.99	PASS

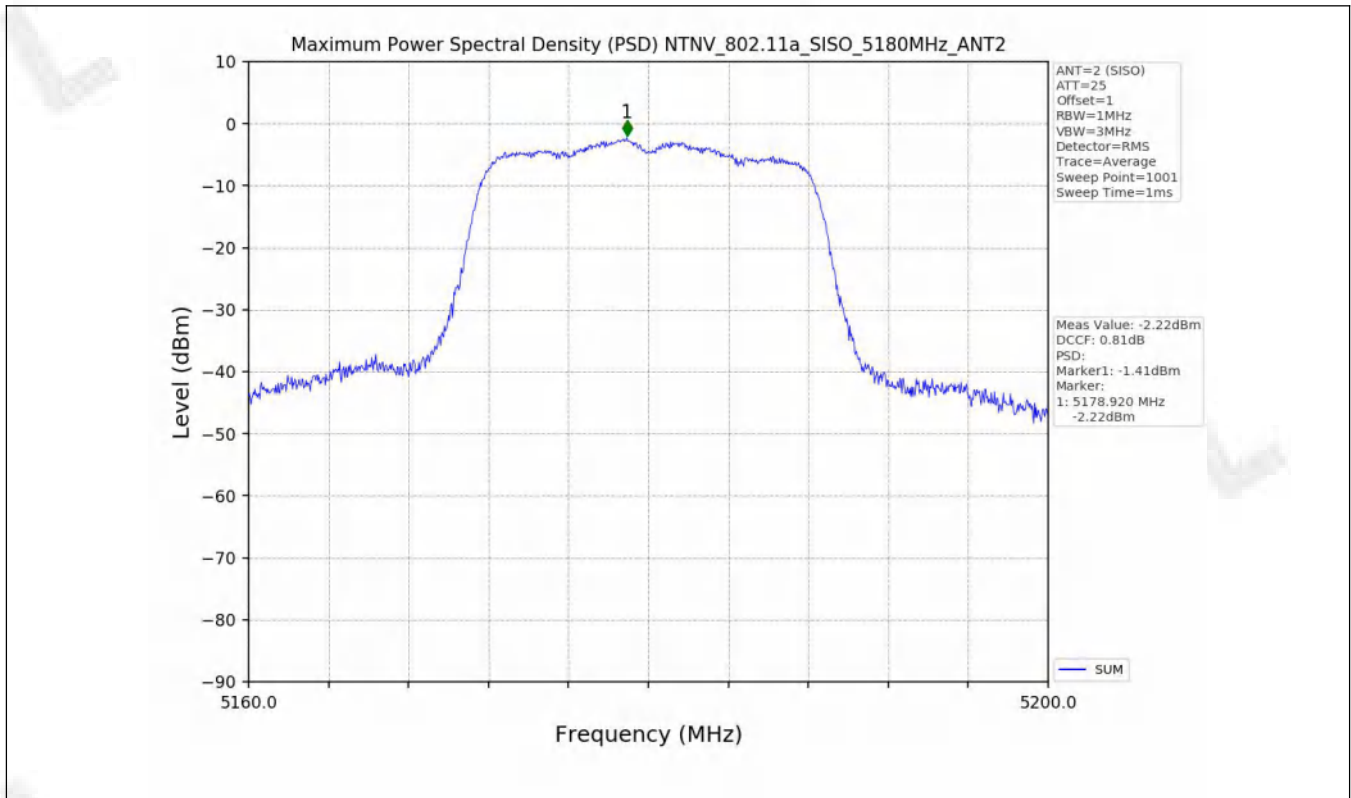
Directional gain=3dBi+10 log (2) = 6.01dBi > 6dBi, So the Conducted Power limit shall be reduced to 11-(6.01-6) =10.99

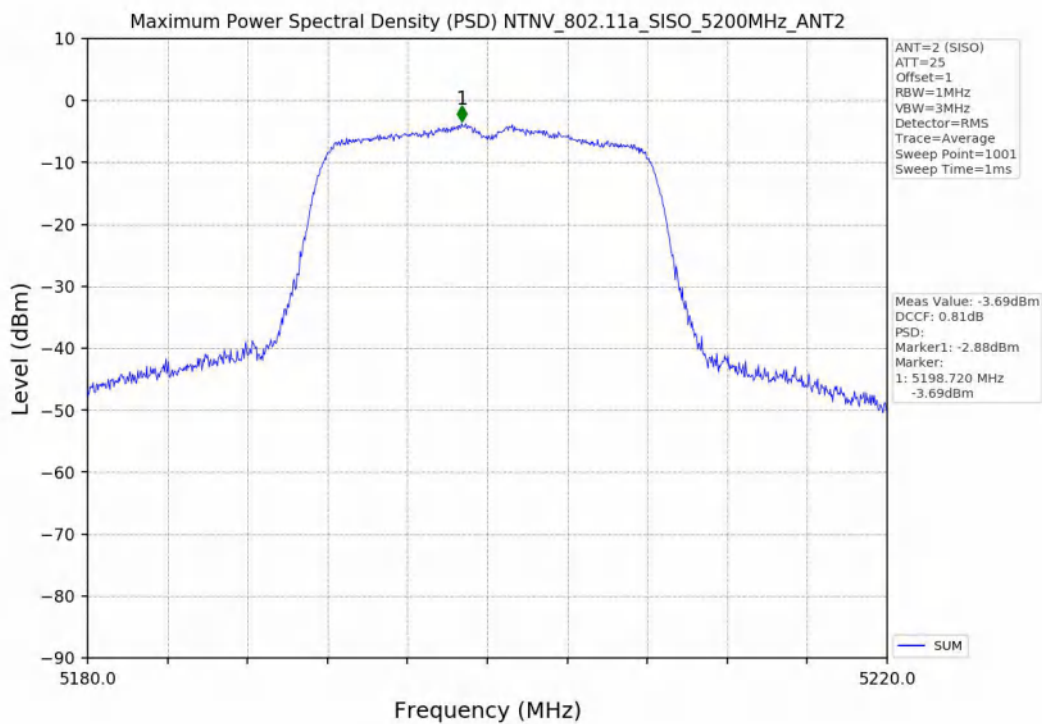
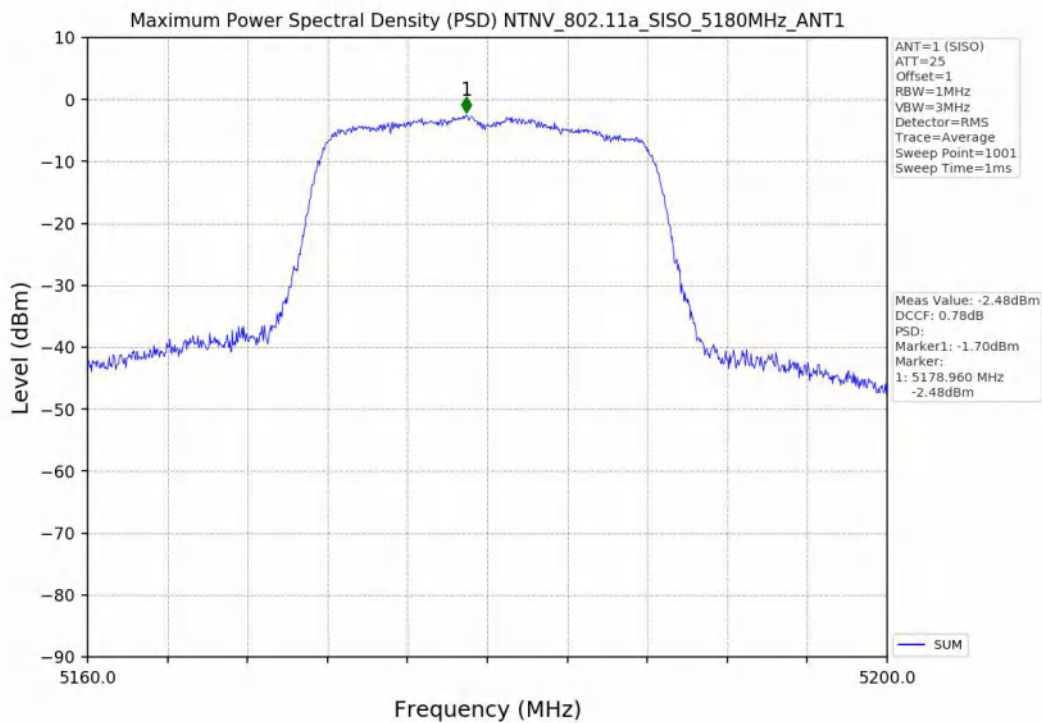
Test Mode	Frequency (MHz)	Tx Type	Maximum Power Spectral Density (dBm/500kHz)			Limits (dBm/500kHz)	Verdict
			Ant 2	Ant 1	Total		
802.11a	5745	SISO	-11.51	-6.12	/	≤29.99	PASS
	5785	SISO	-9.82	-5.82	/	≤29.99	PASS

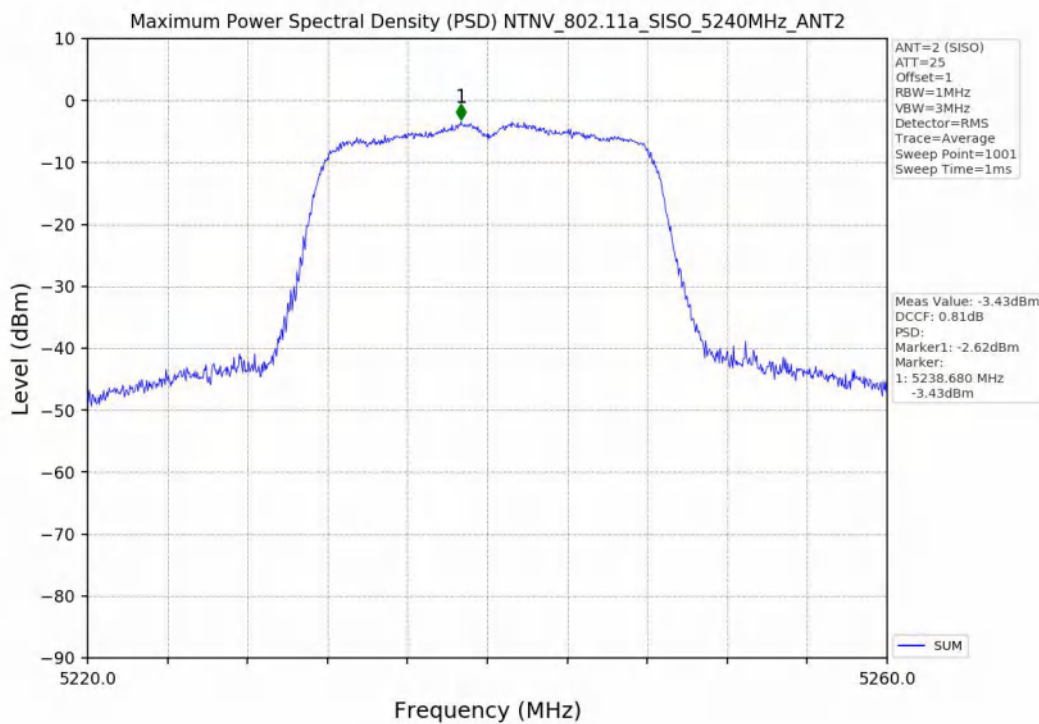
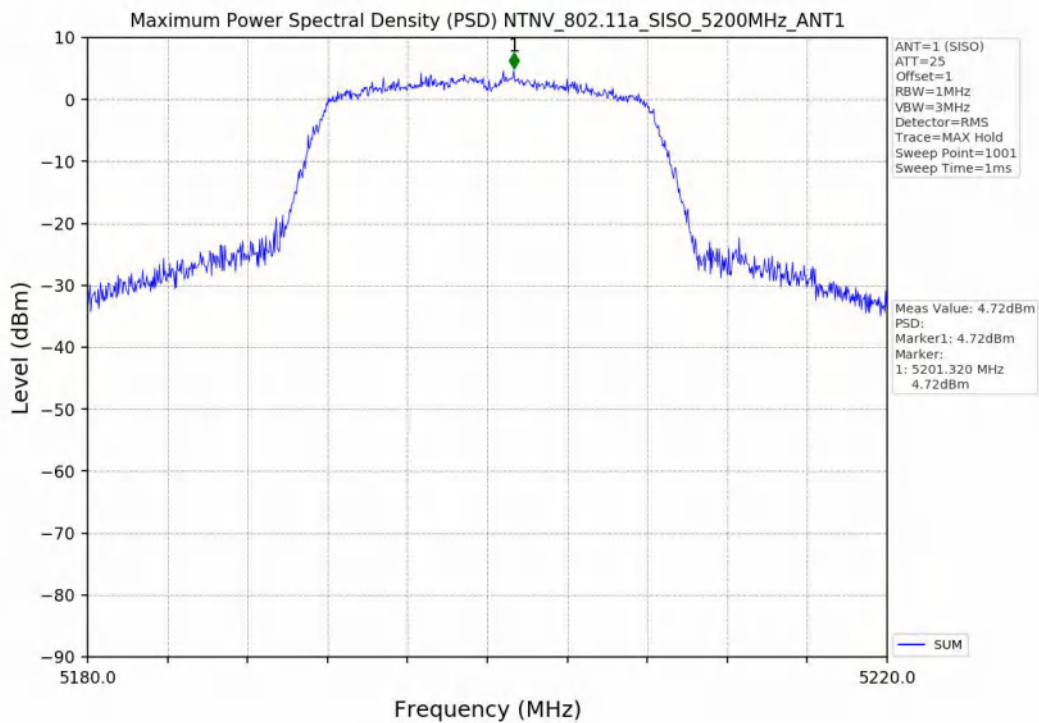
802.11n(HT20)	5825	SISO	-10.72	-5.89	/	≤ 29.99	PASS
	5745	MIMO	-10.76	-6.33	-4.99	≤ 29.99	PASS
	5785	MIMO	-9.90	-6.11	-4.59	≤ 29.99	PASS
	5825	MIMO	-10.90	-6.27	-4.98	≤ 29.99	PASS
802.11n(HT40)	5755	MIMO	-14.27	-10.12	-8.71	≤ 29.99	PASS
	5795	MIMO	-12.36	-9.23	-7.51	≤ 29.99	PASS

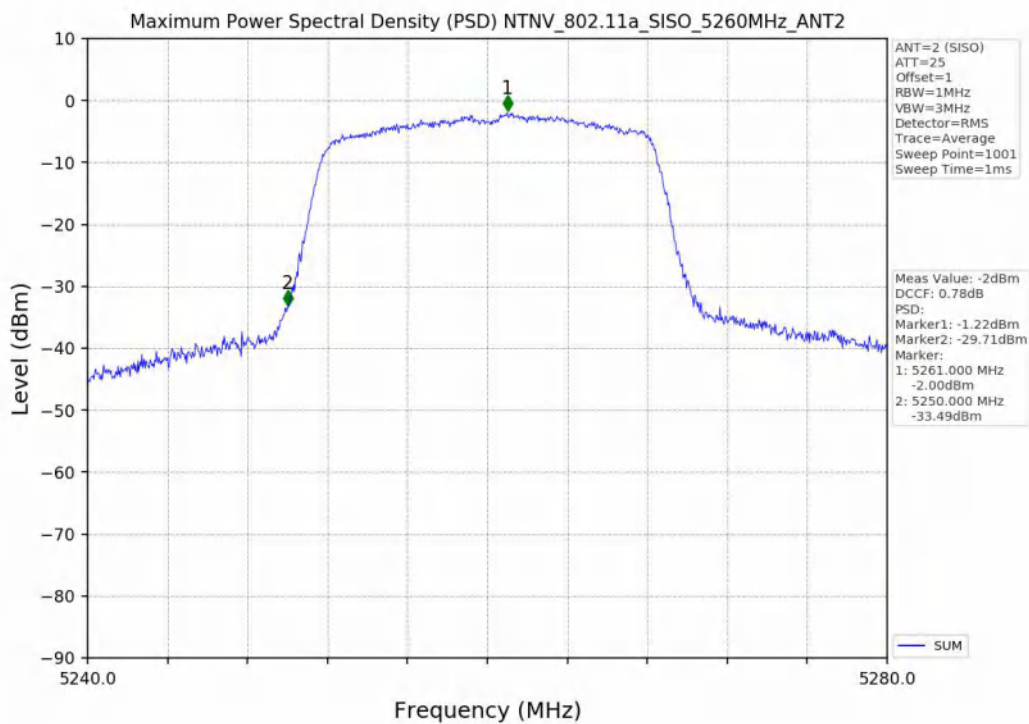
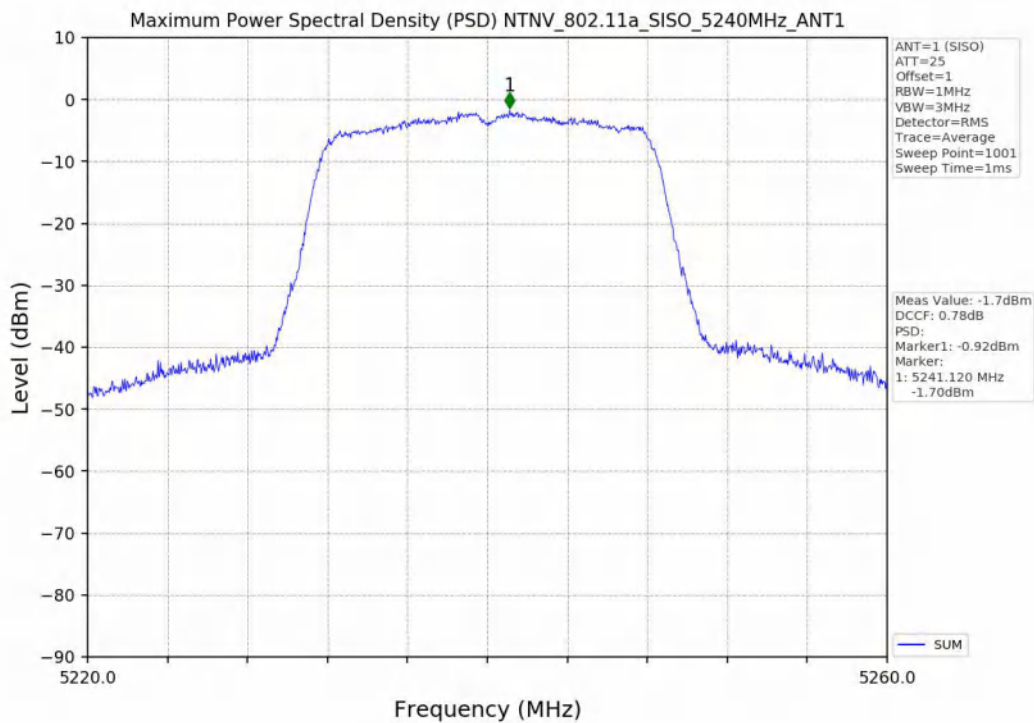
Directional gain=3dBi+10 log (2) = 6.01dBi > 6dBi, So the Conducted Power limit shall be reduced to 301-(6.01-6) =29.99

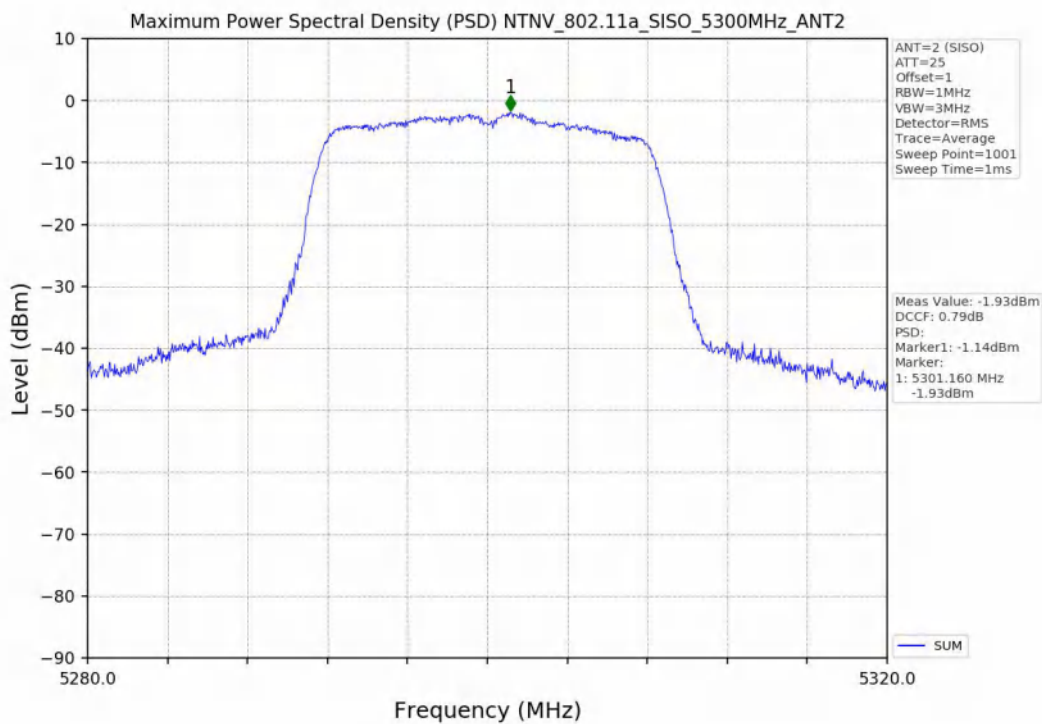
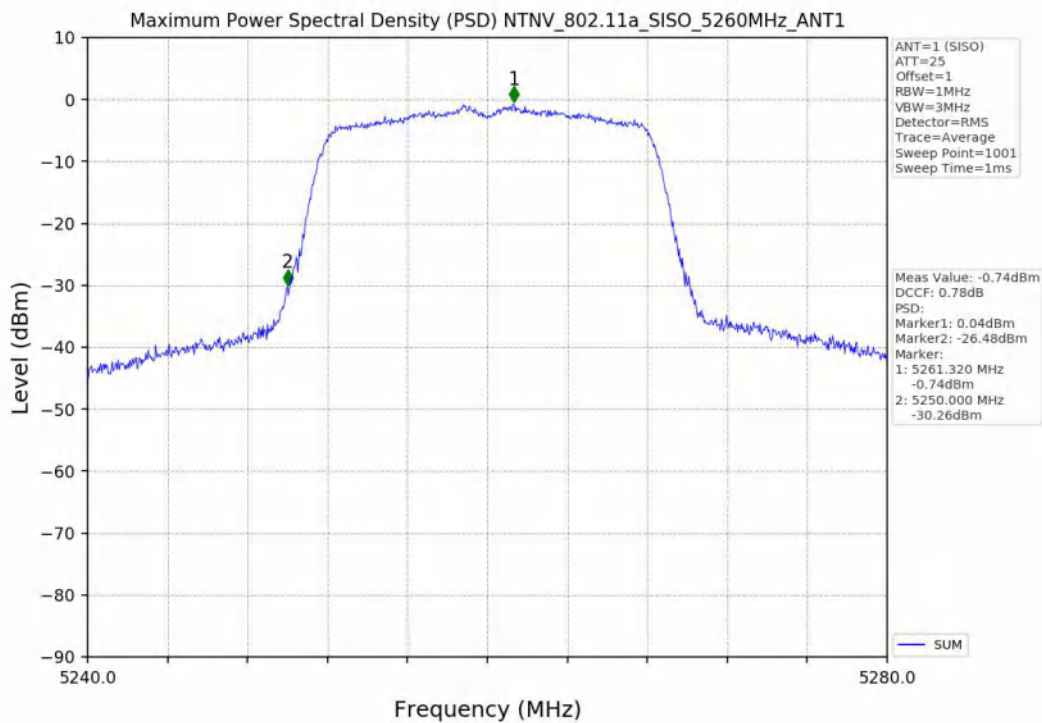
4.2 Test Graph

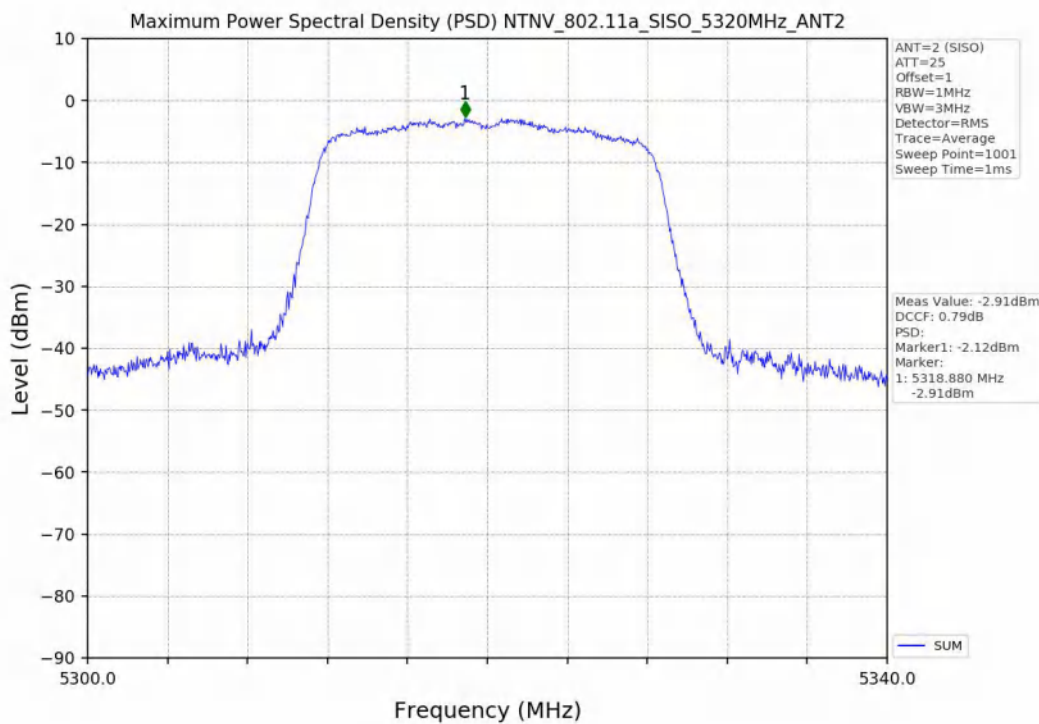
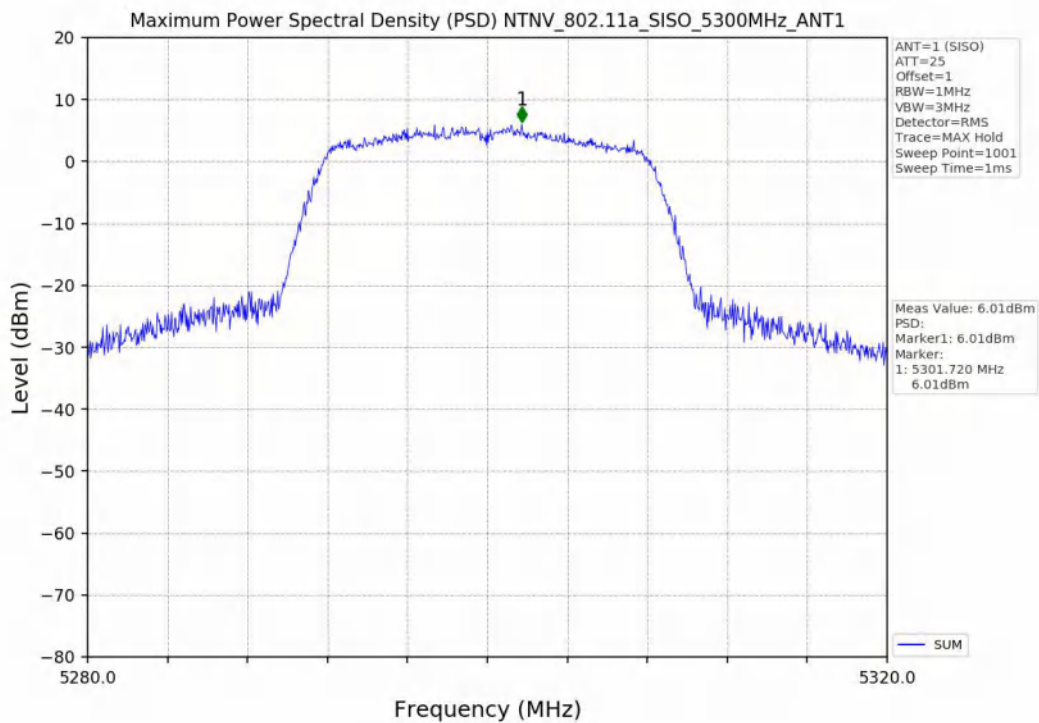


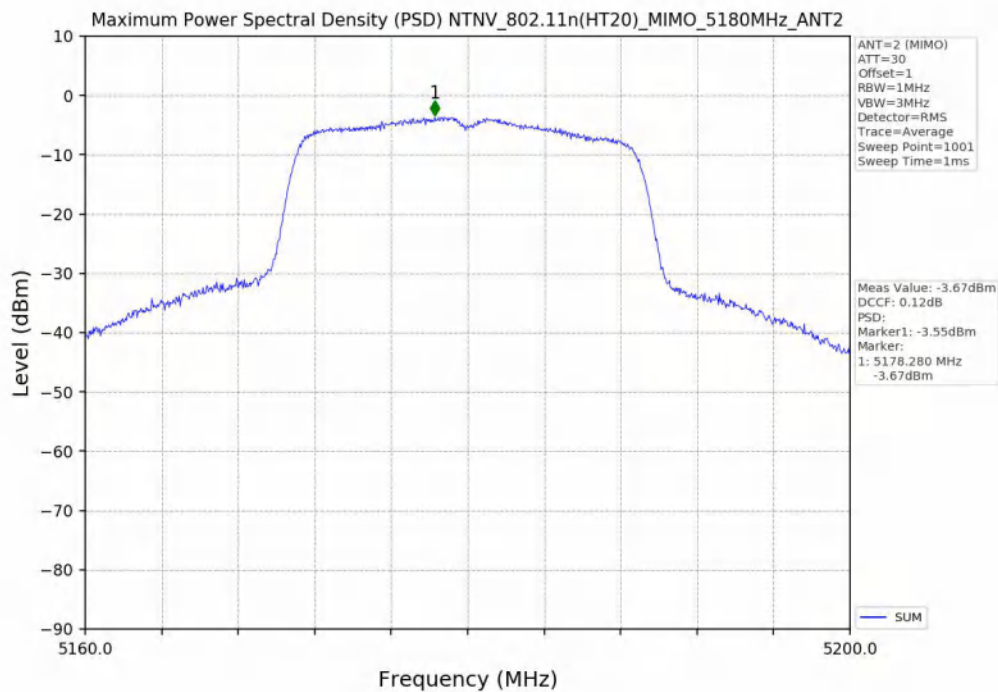
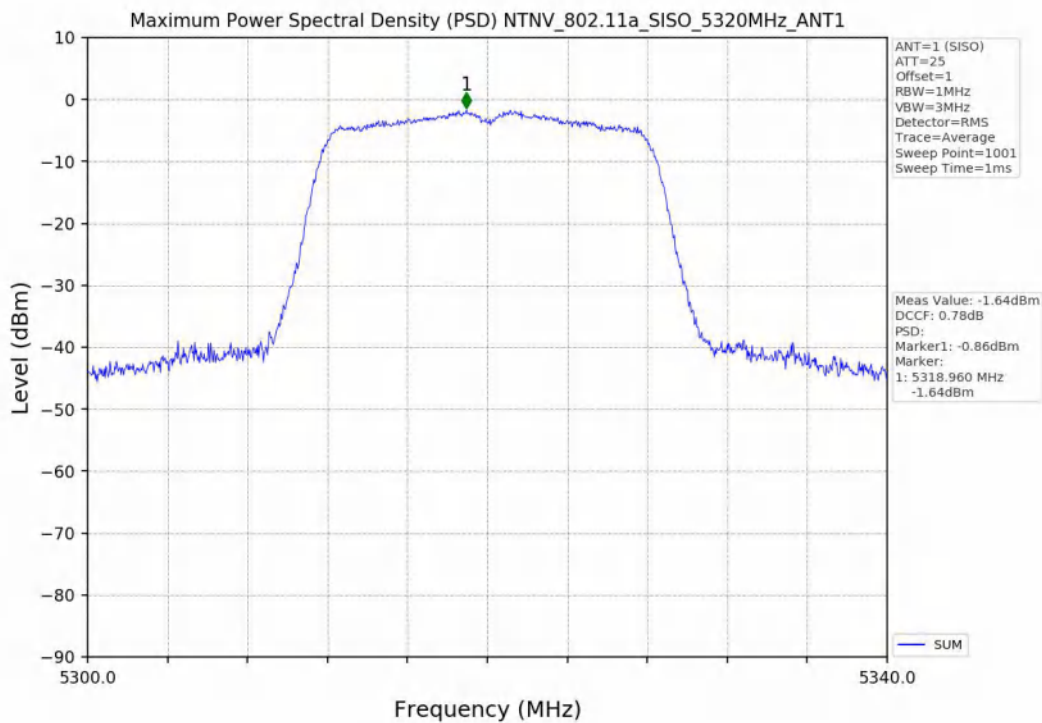


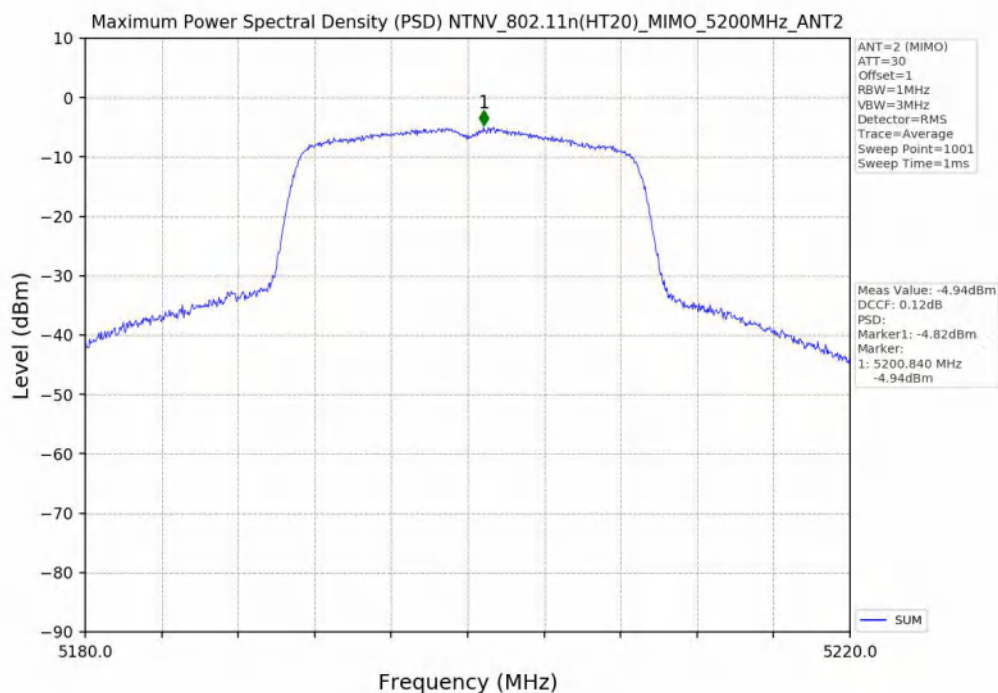
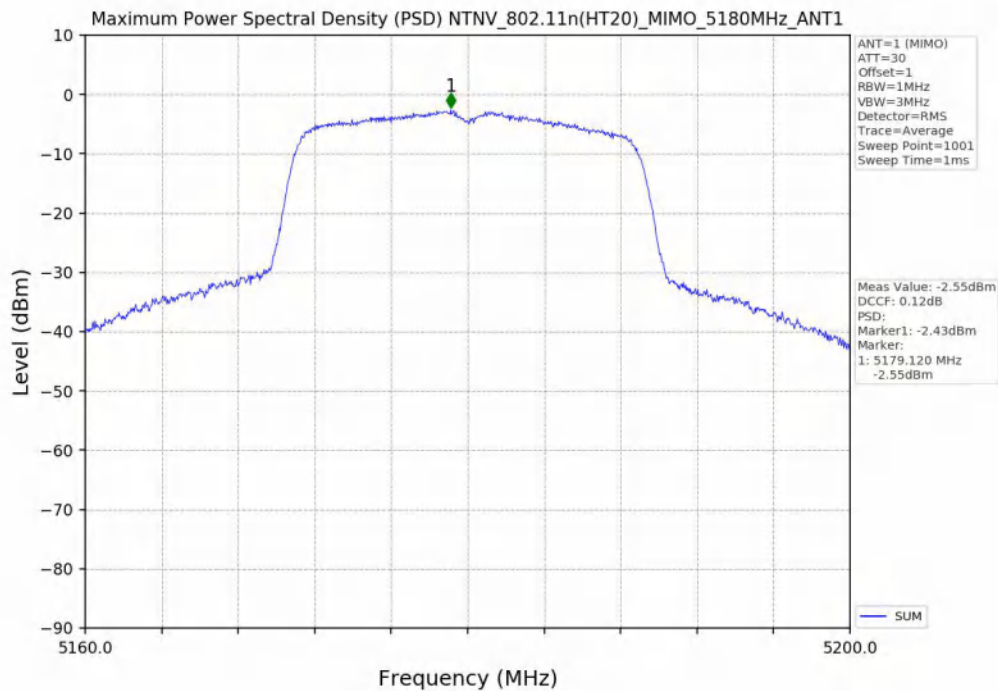


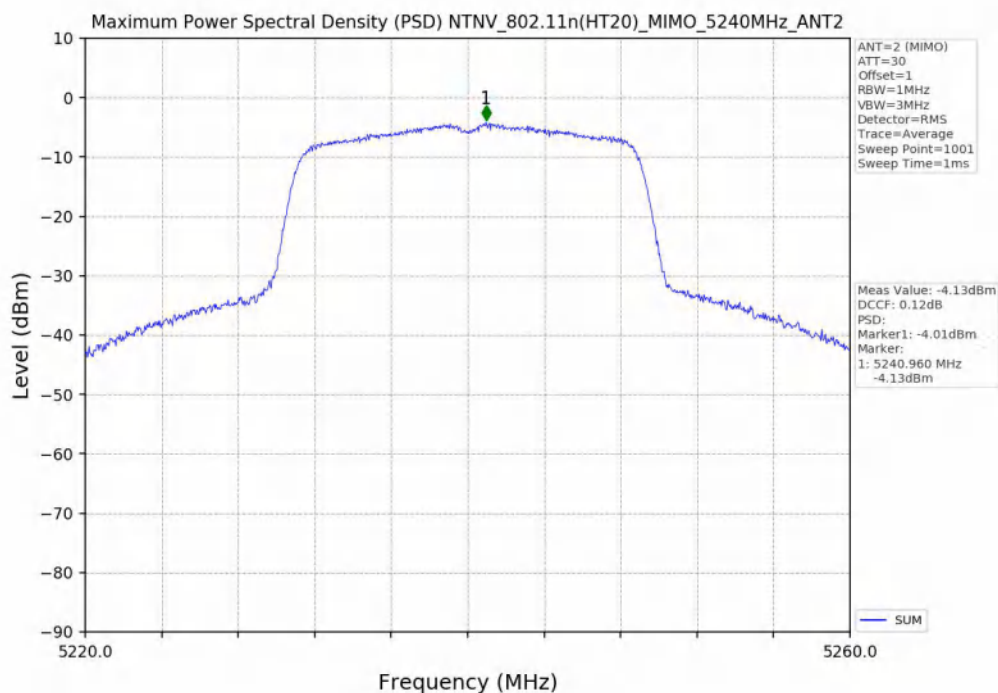
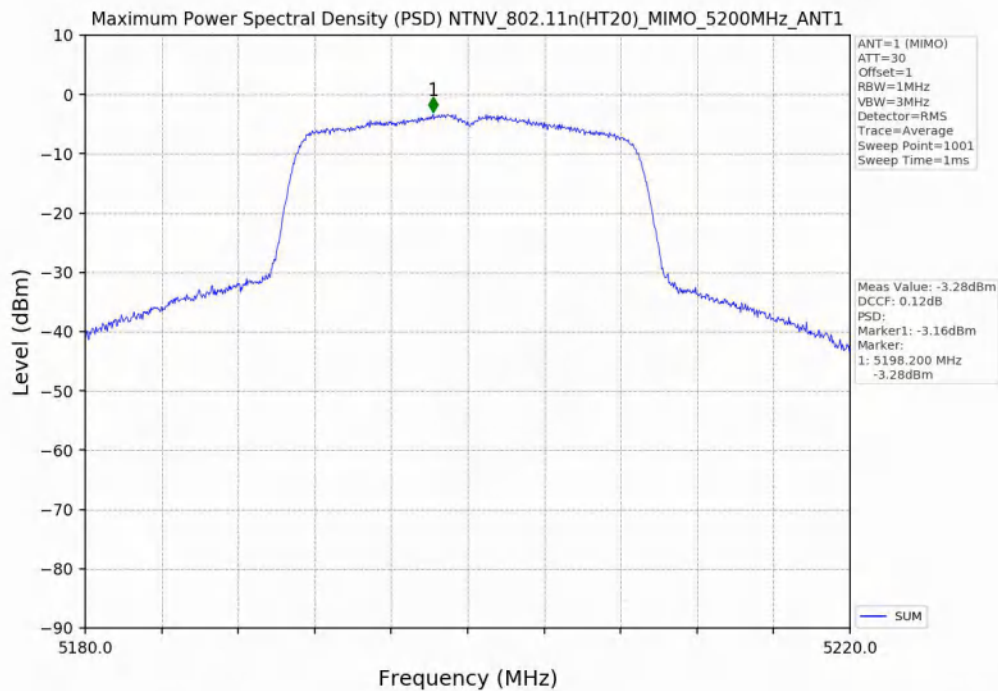


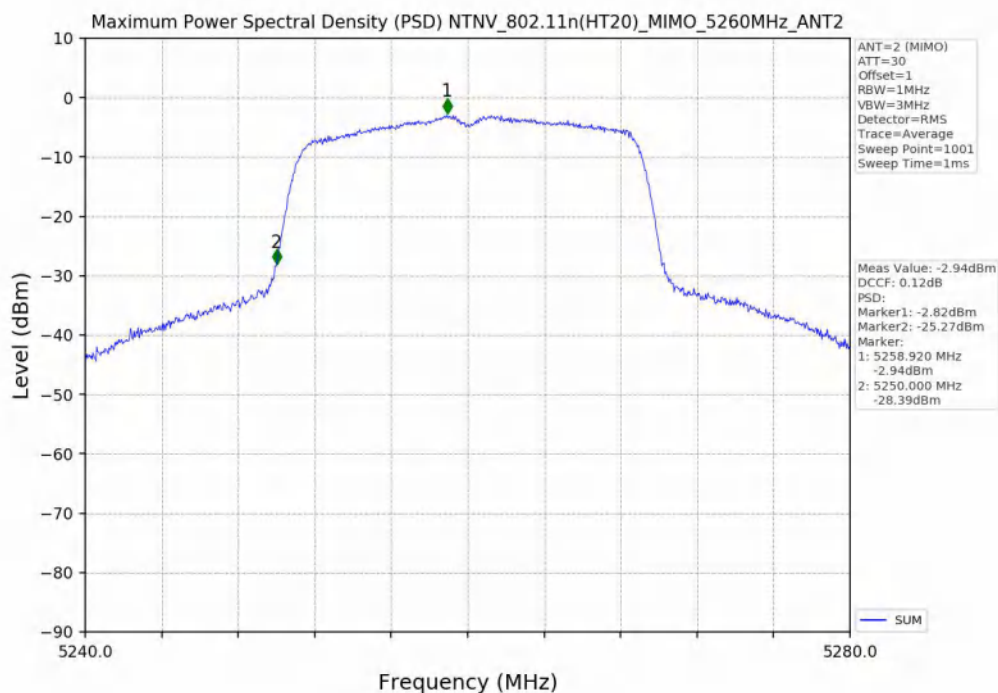
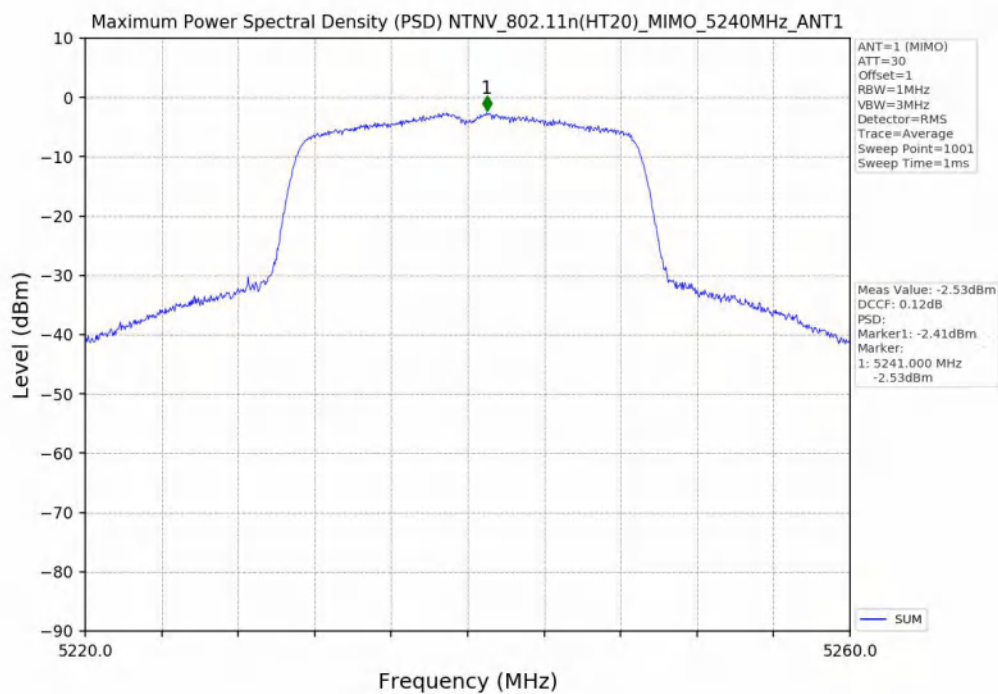


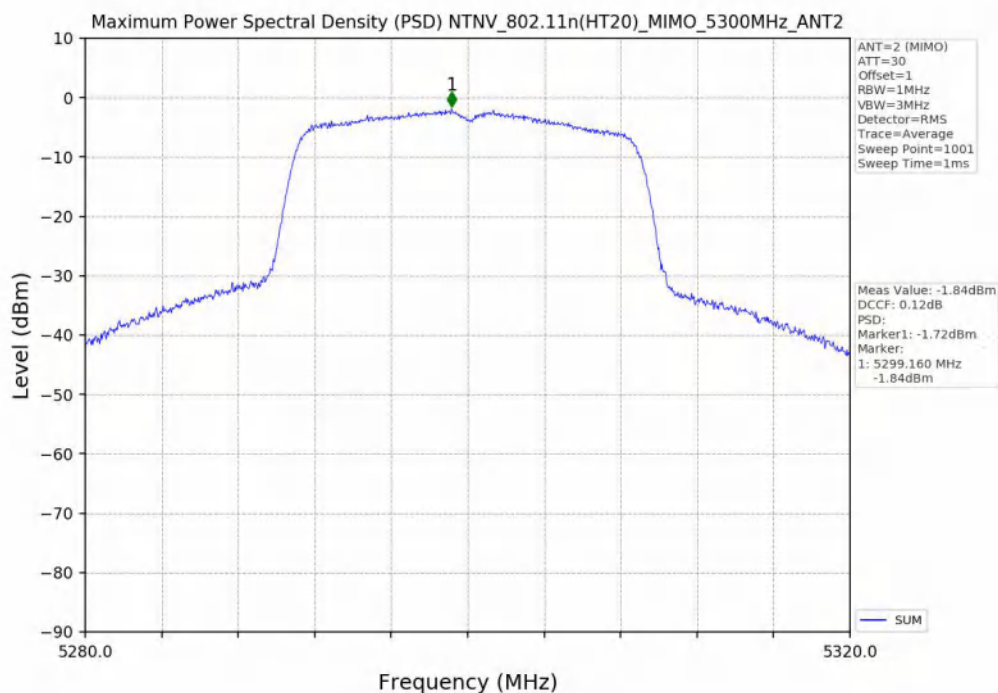
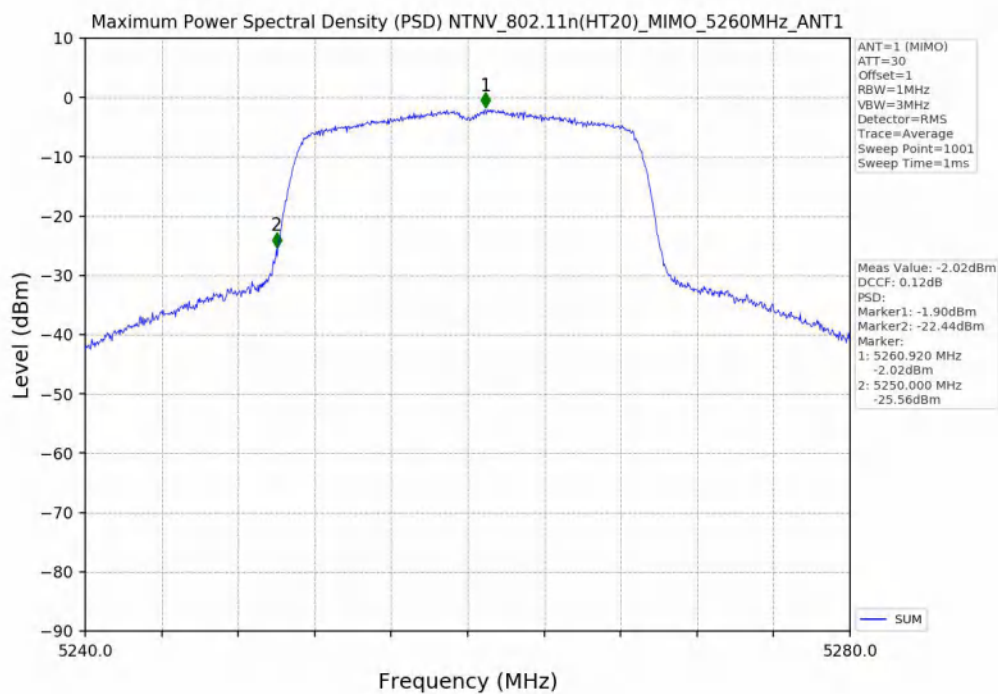


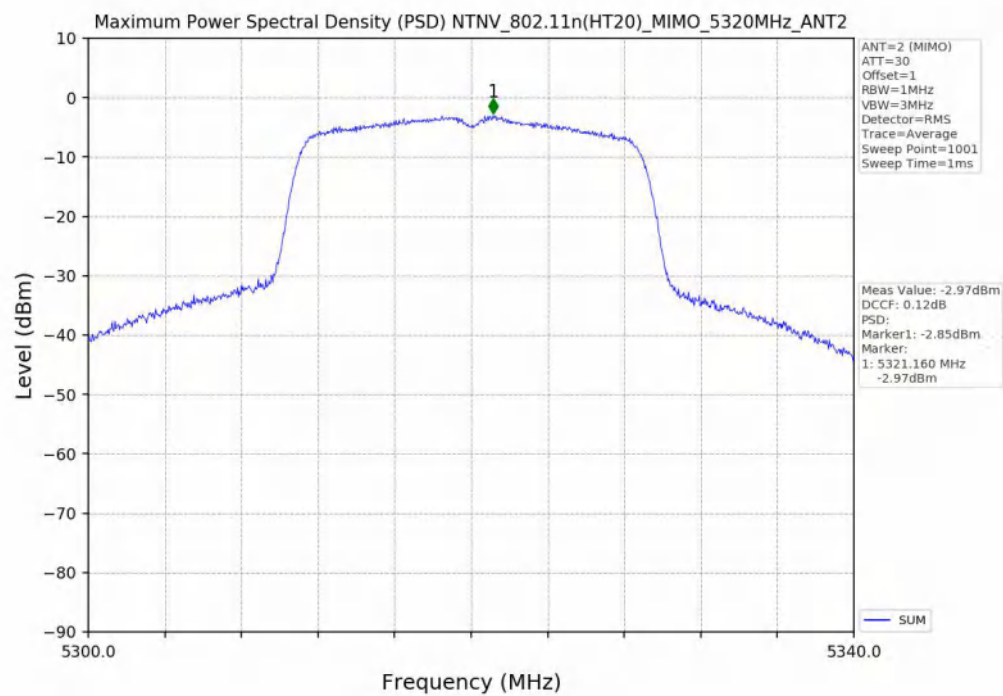
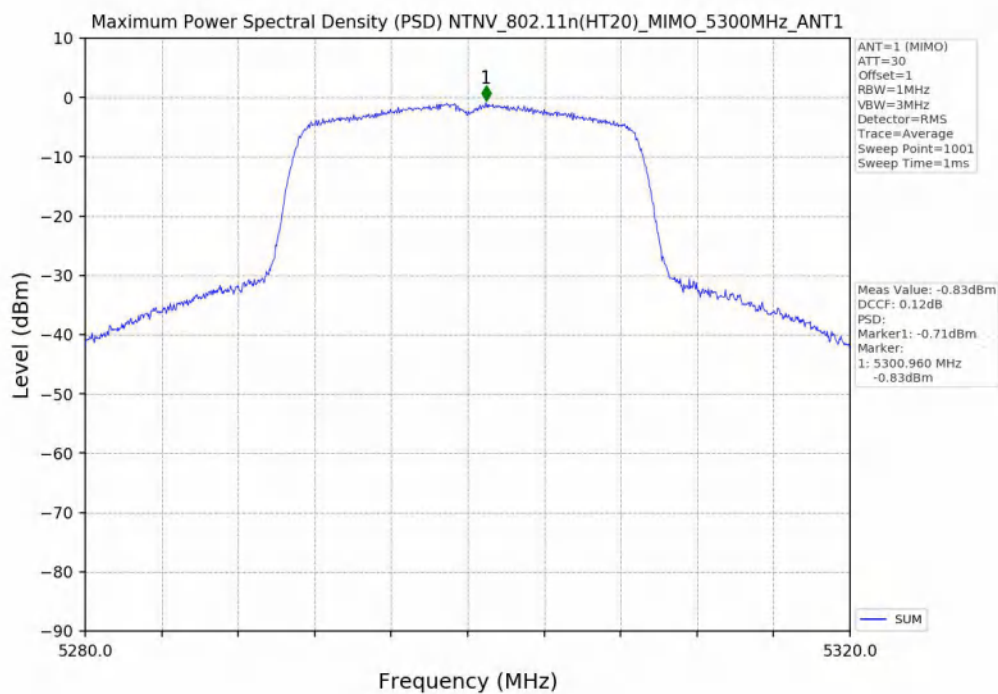


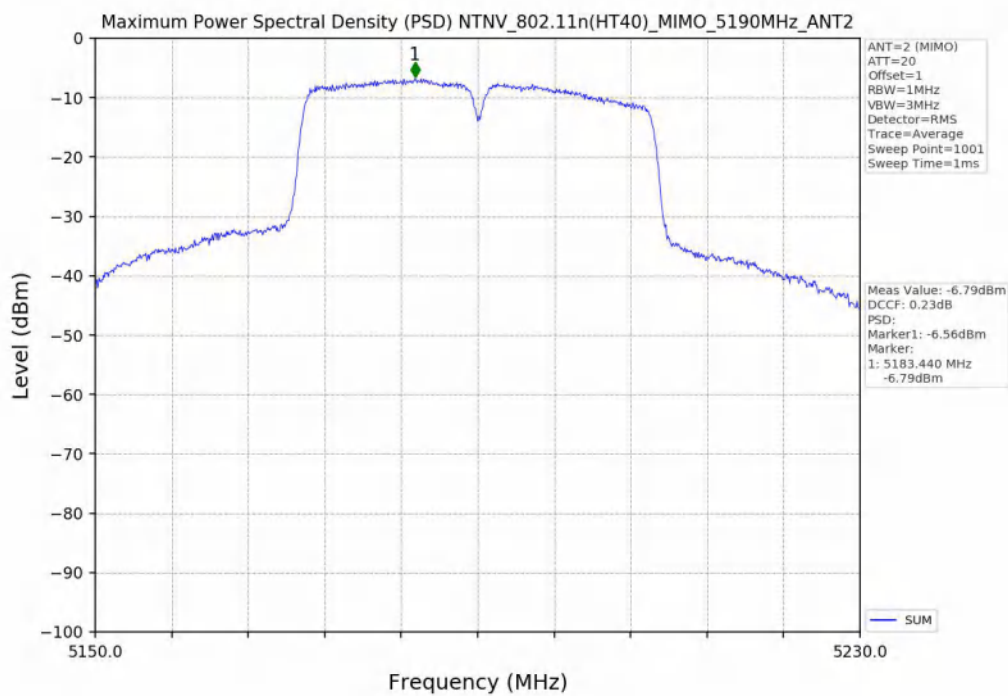
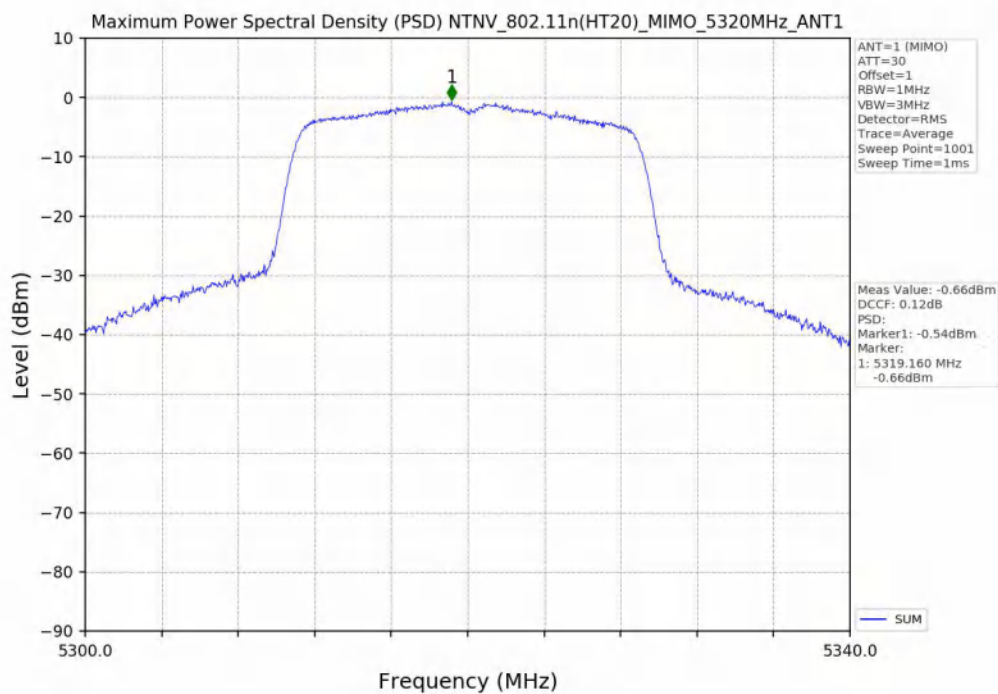


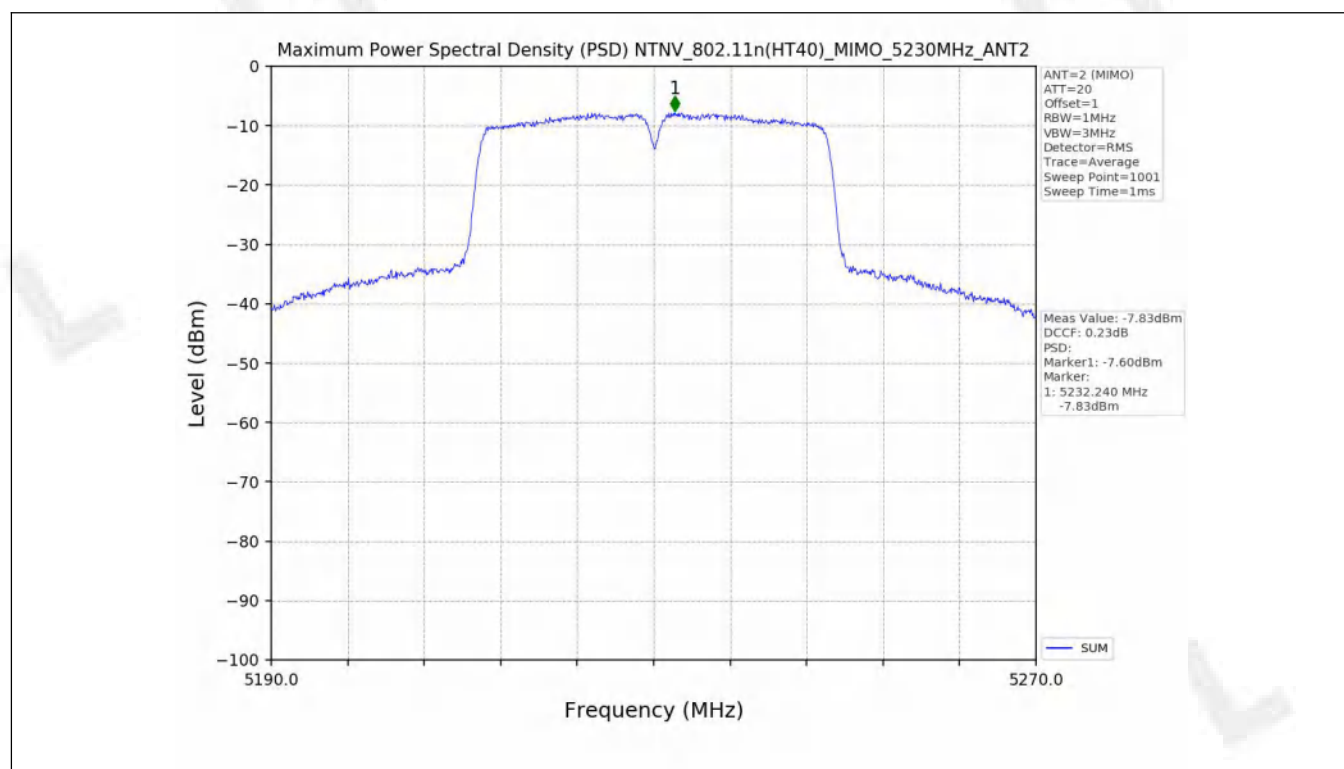
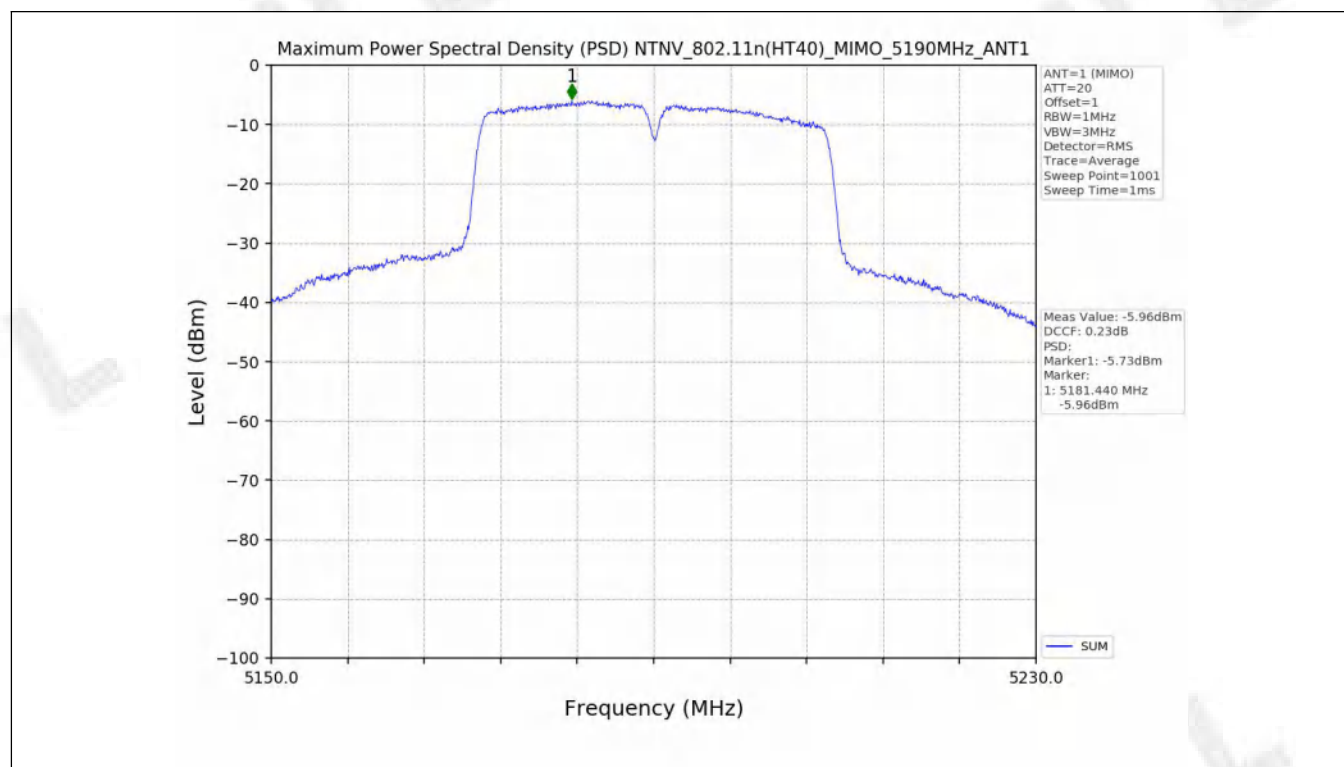


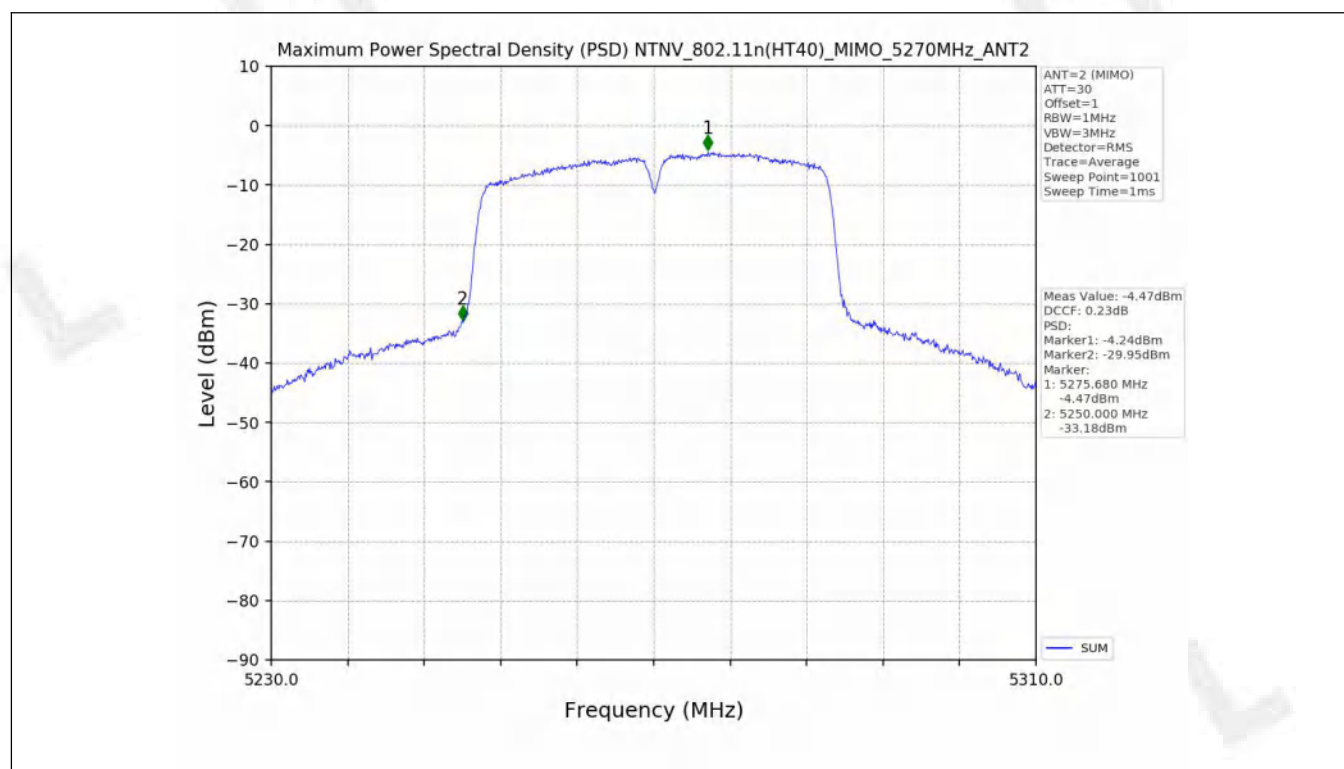
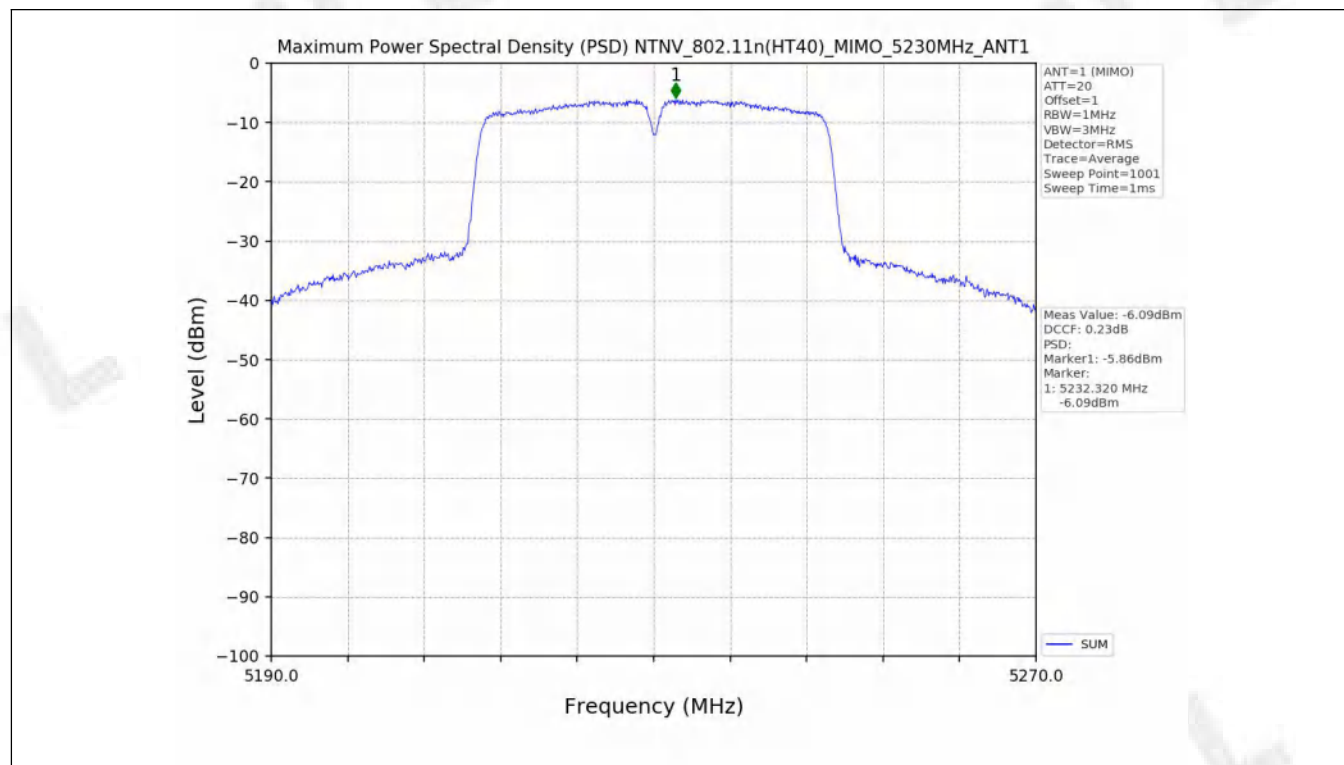


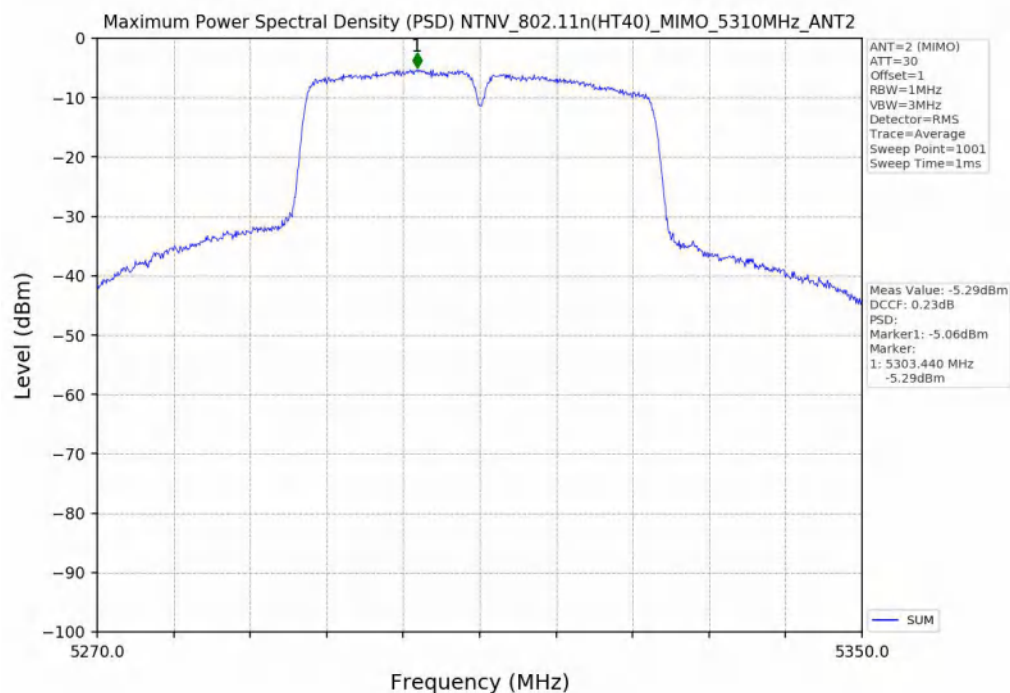
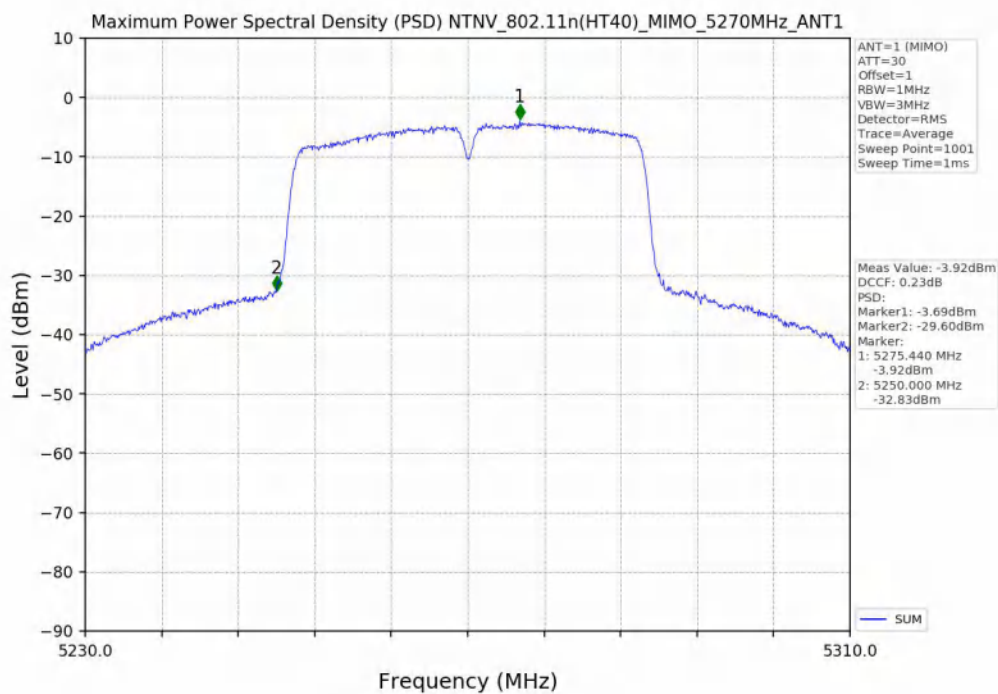


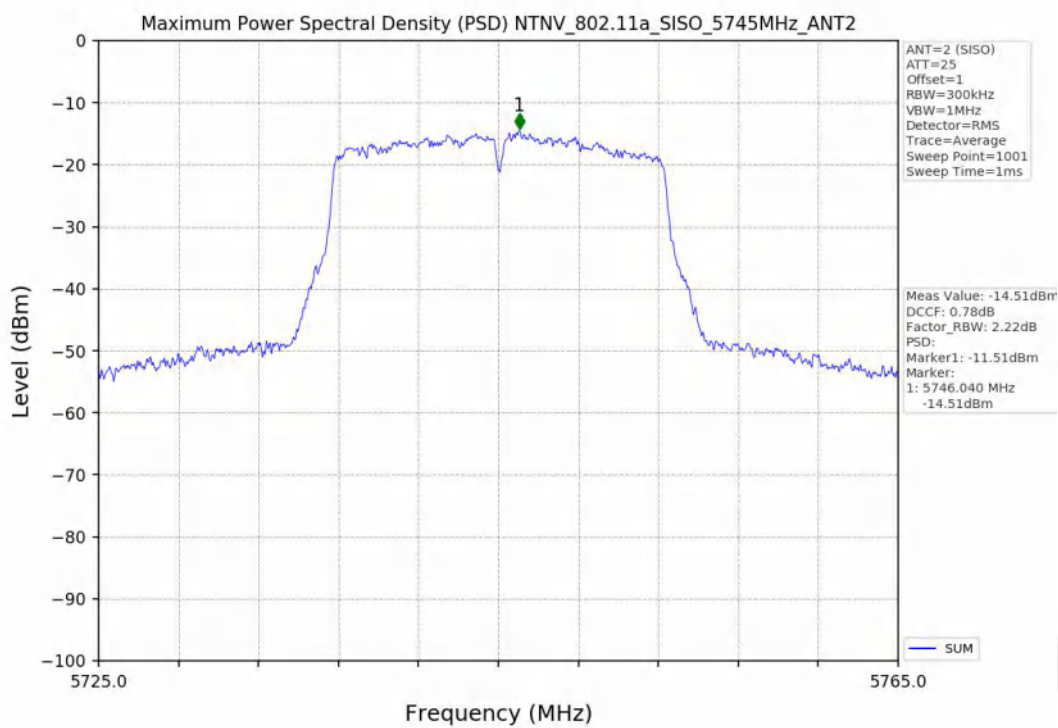
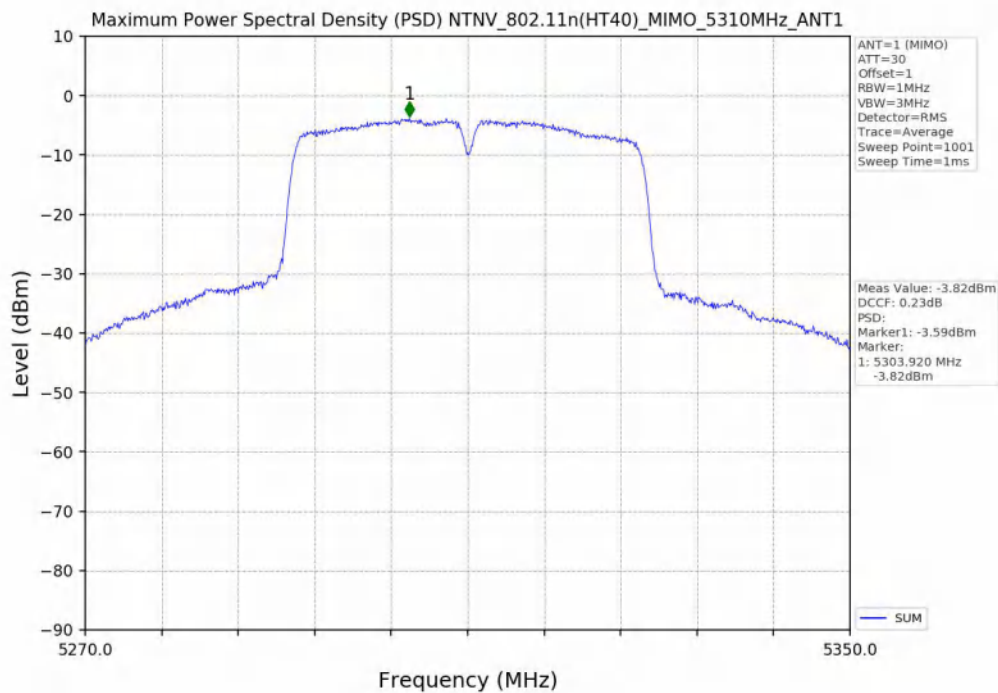


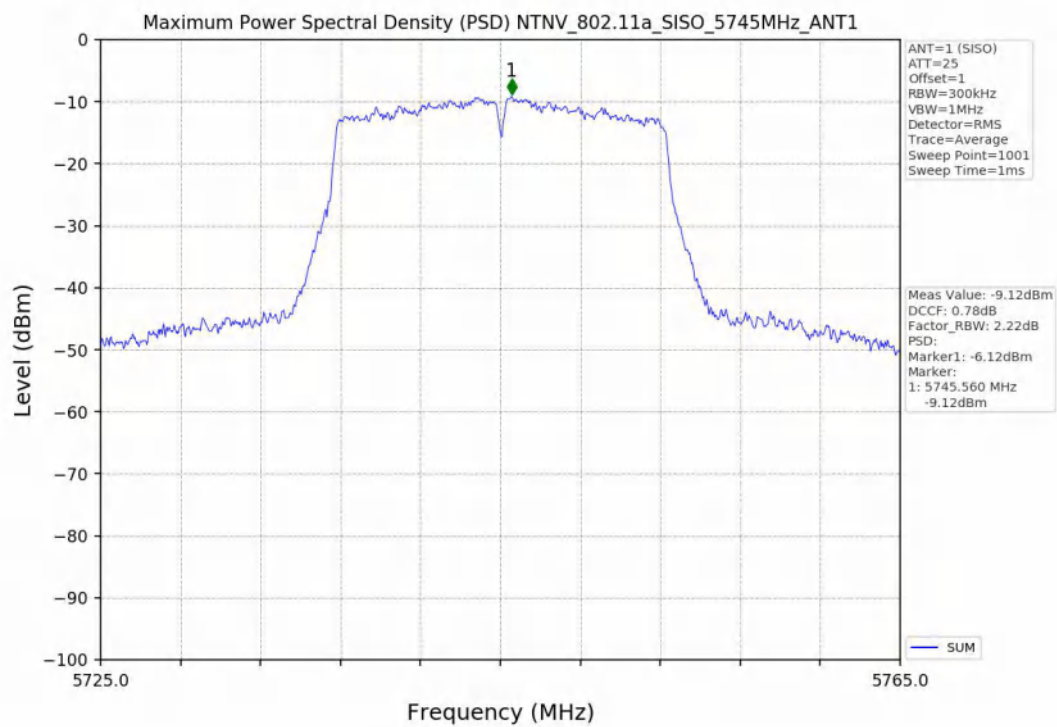


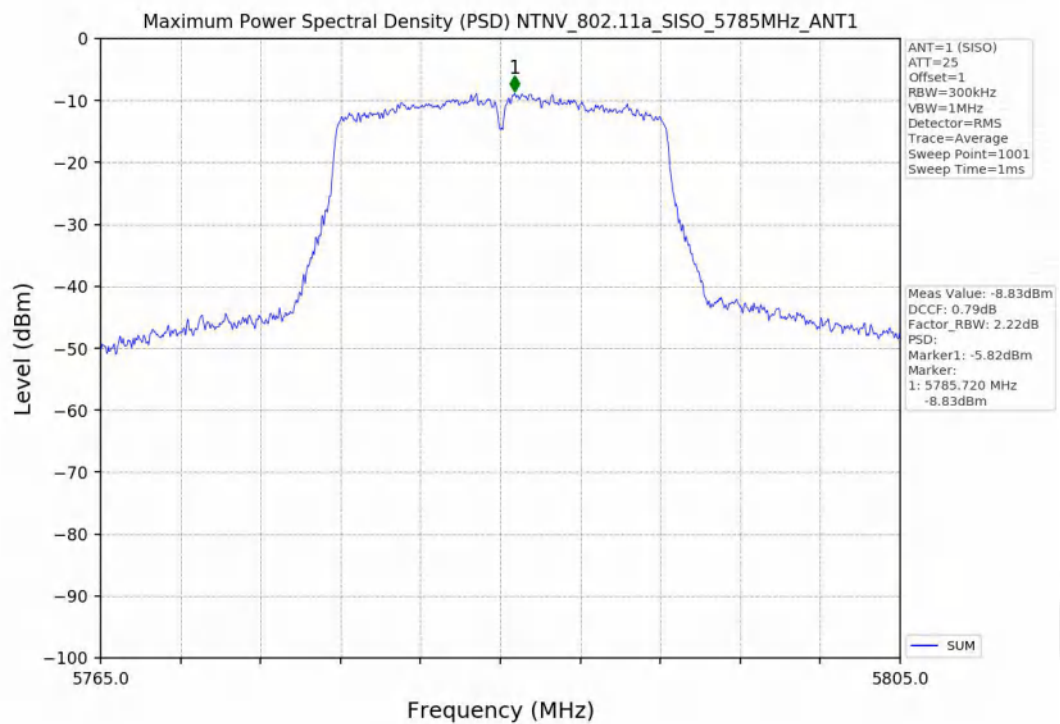
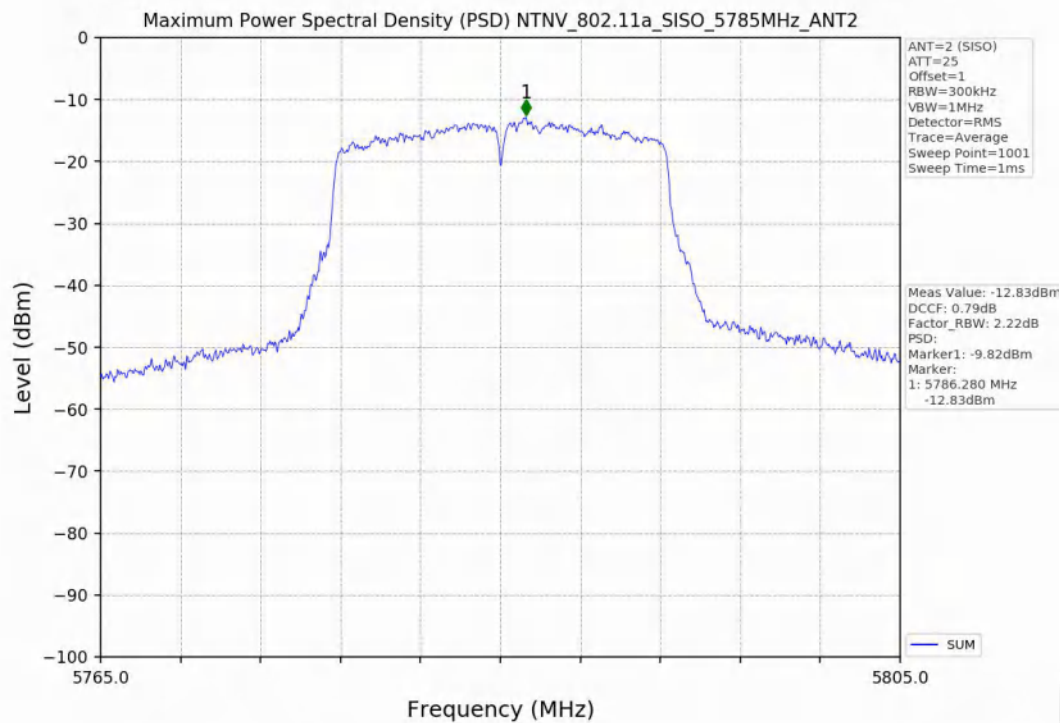


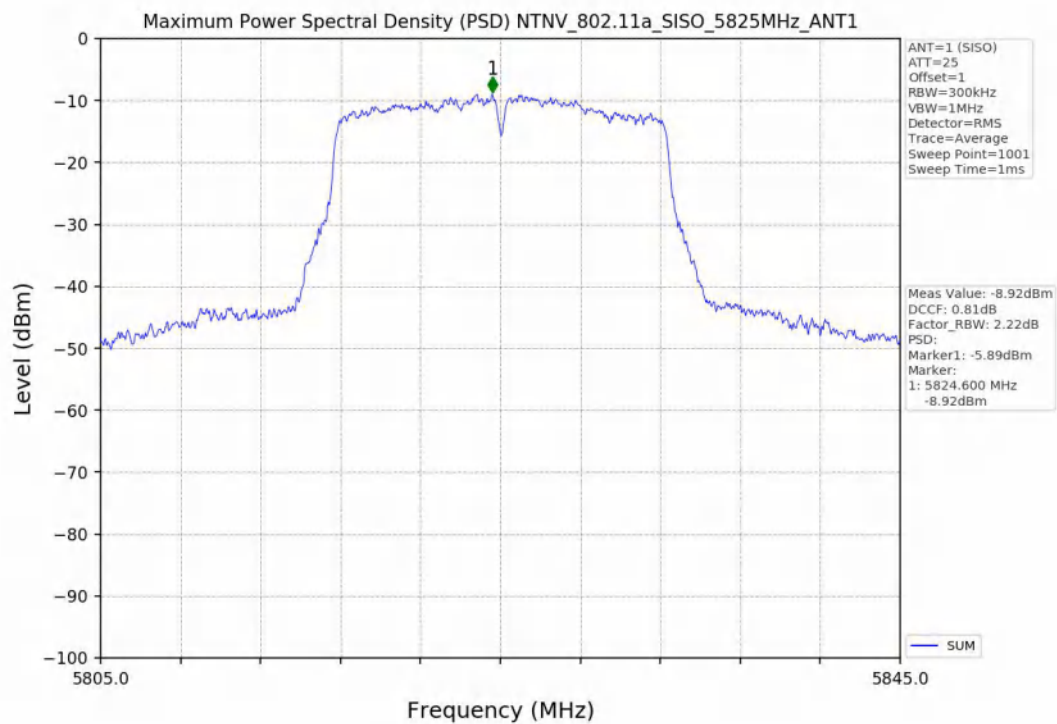
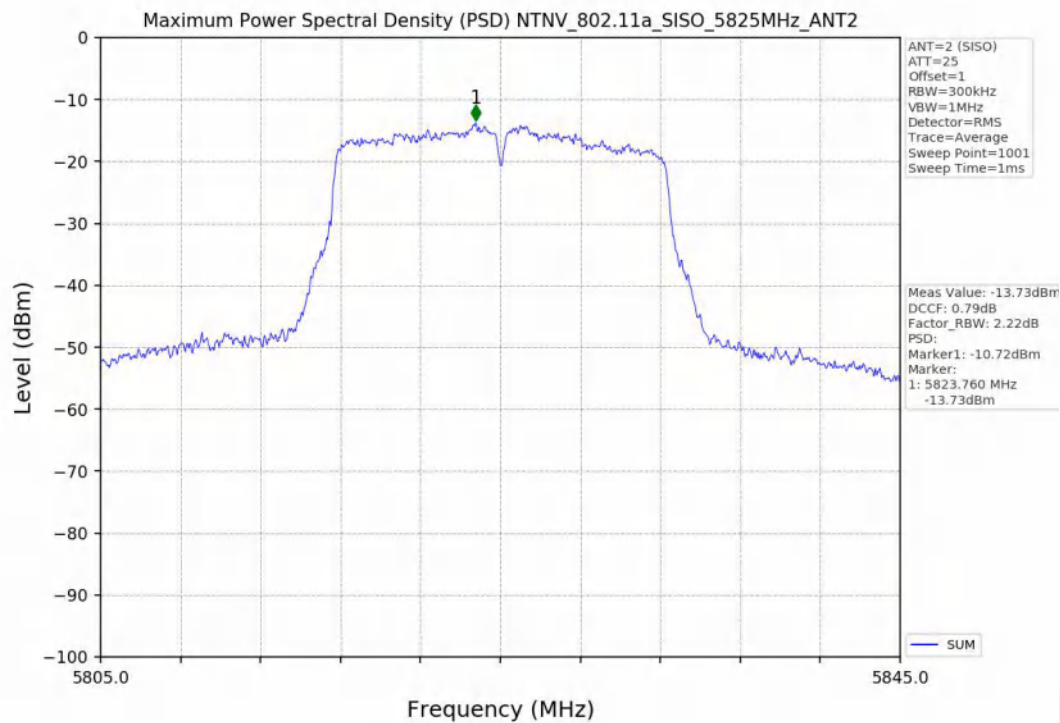


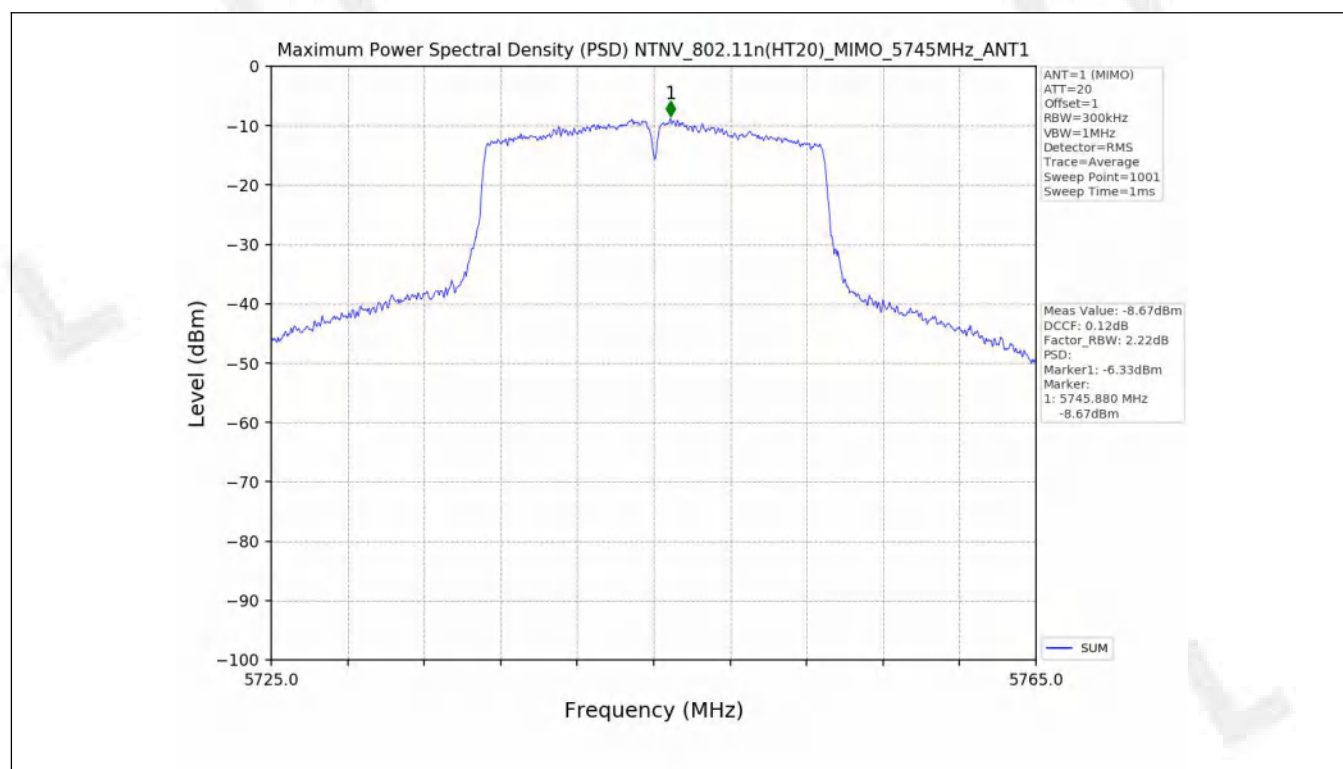
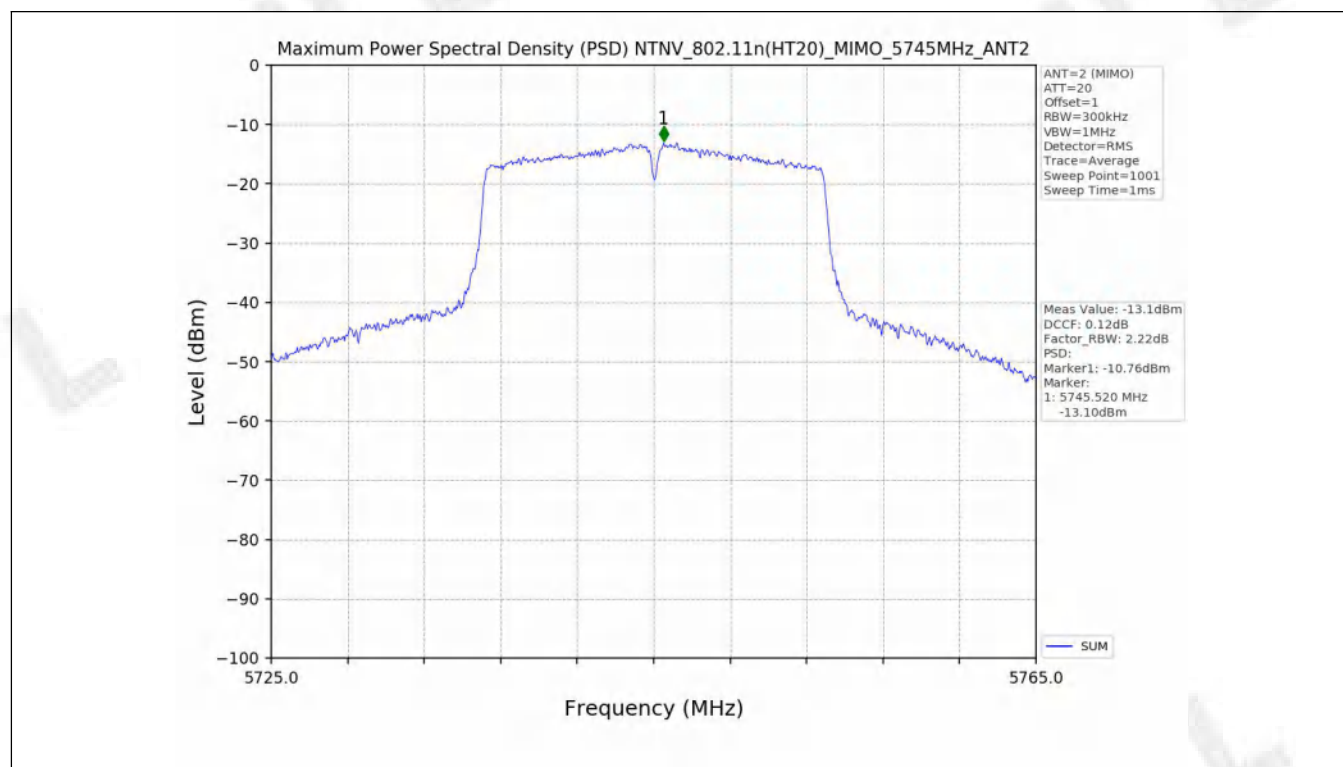


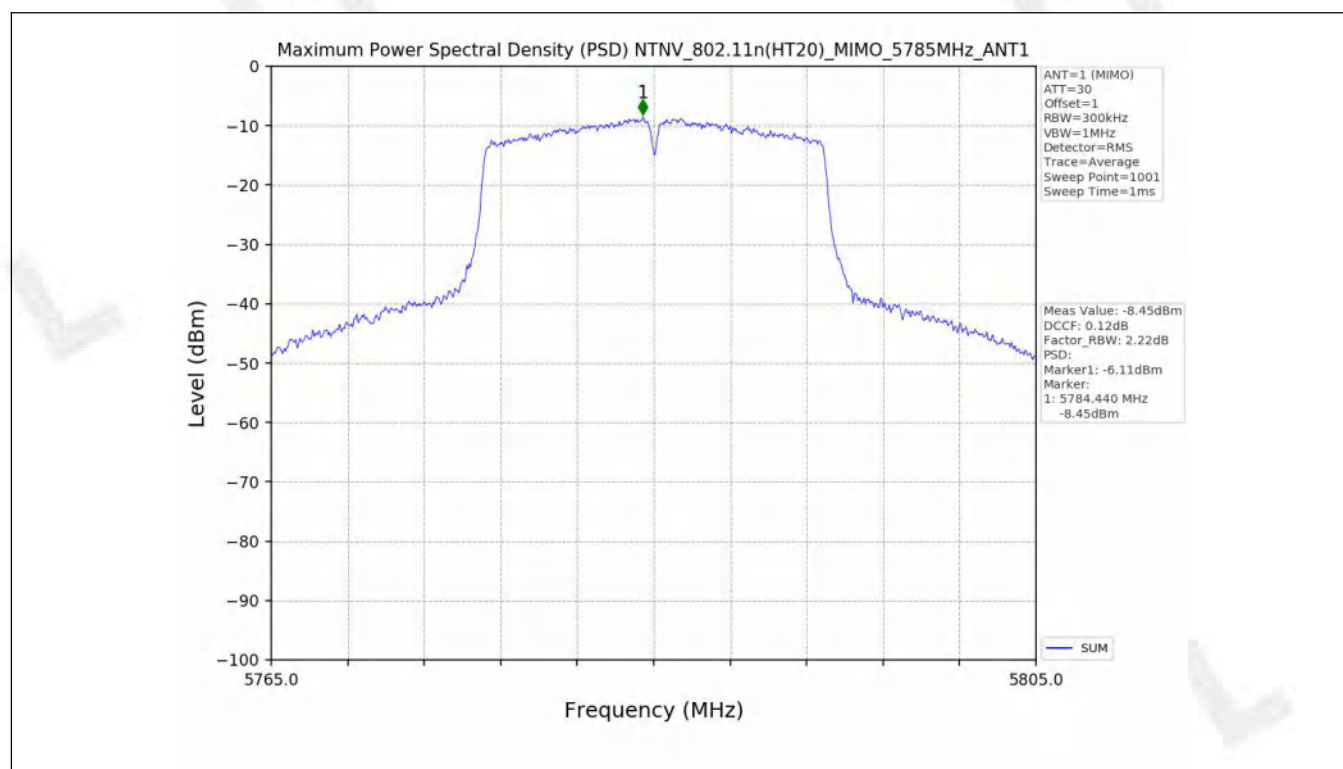
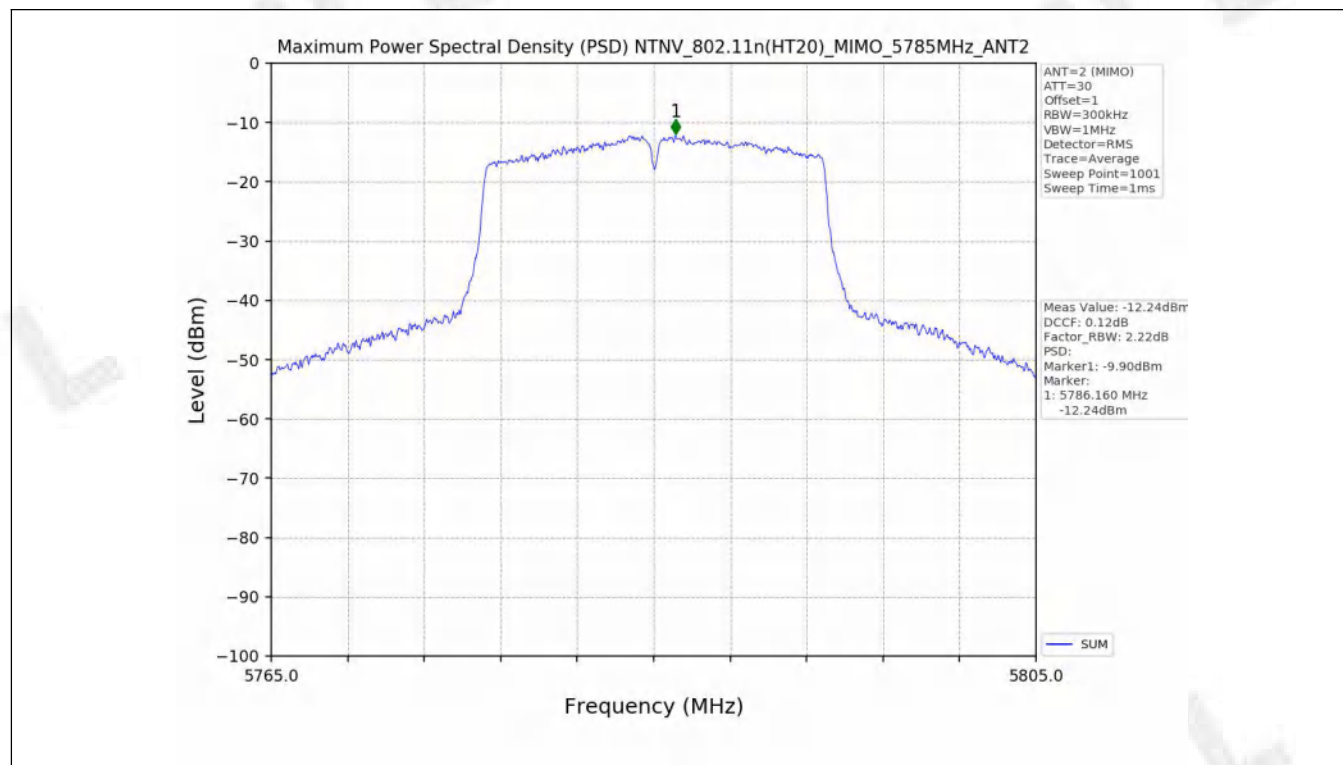


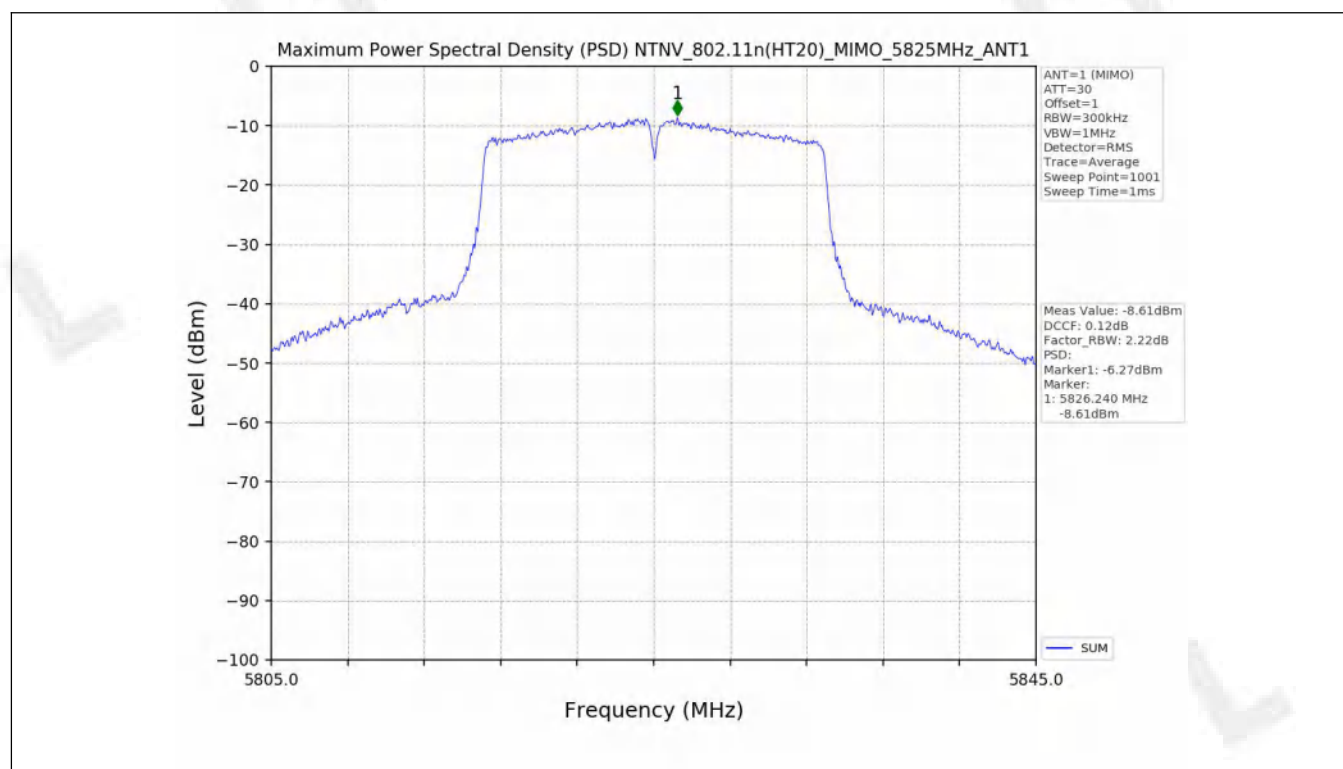
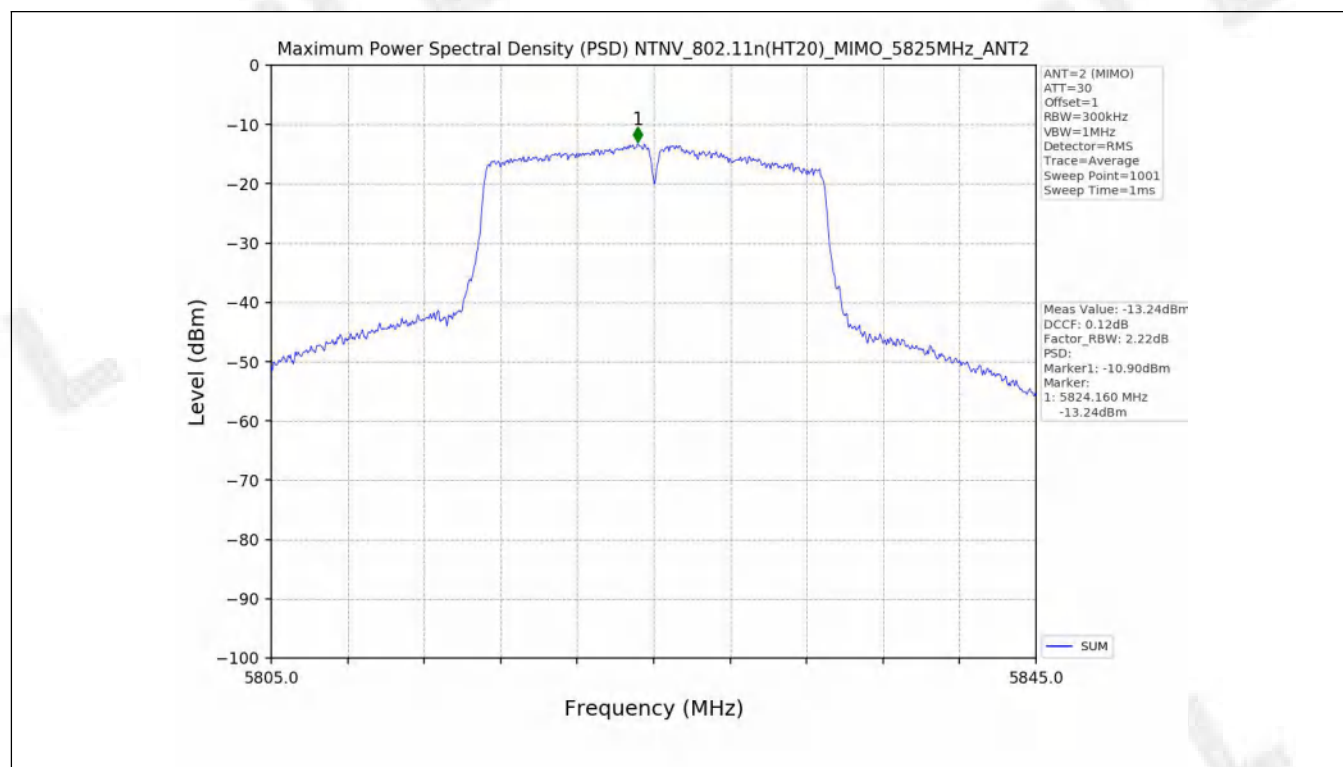


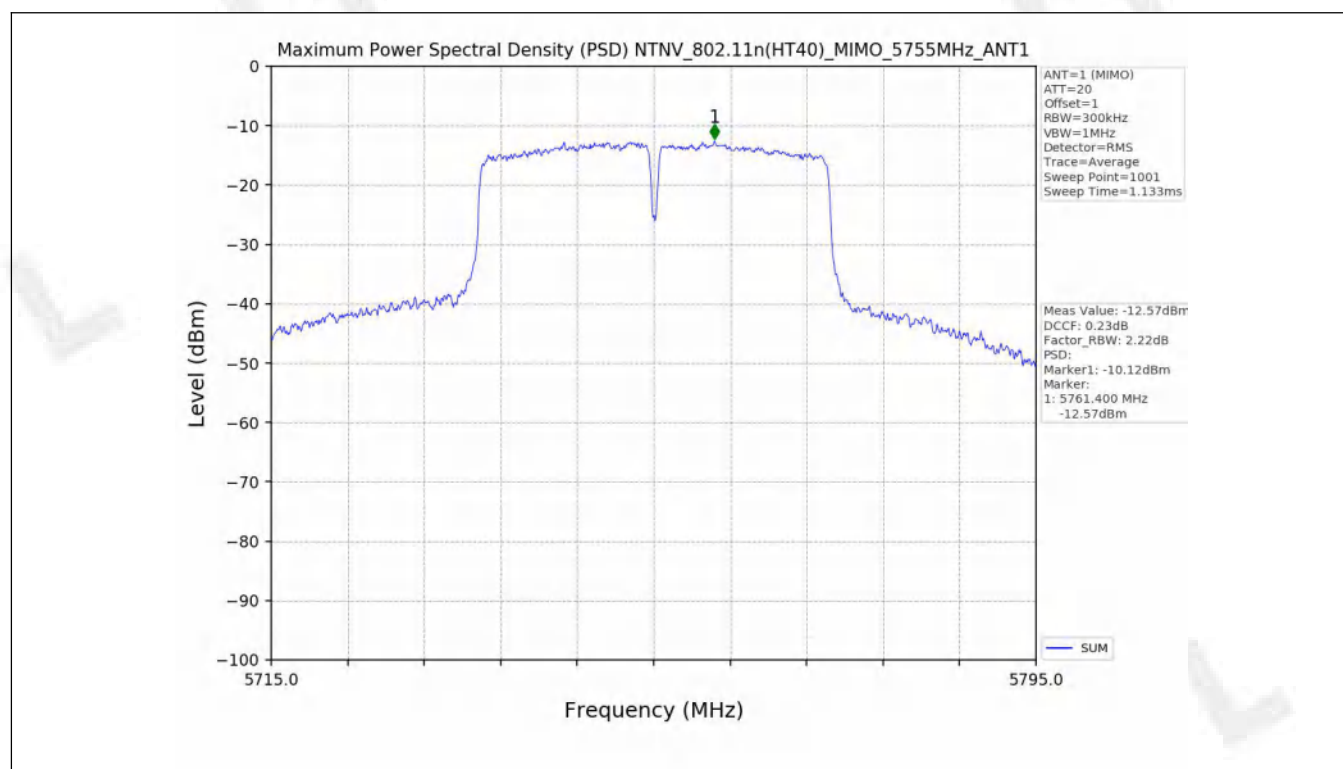
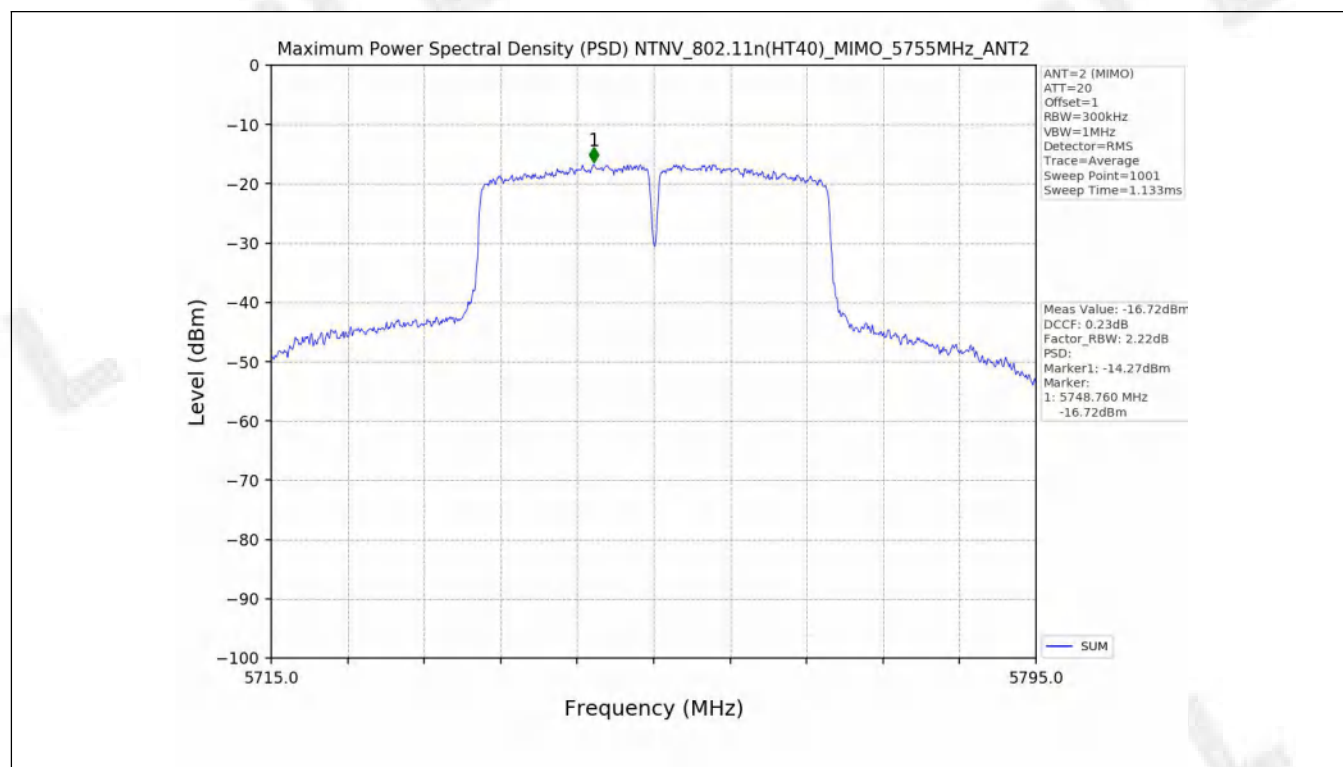


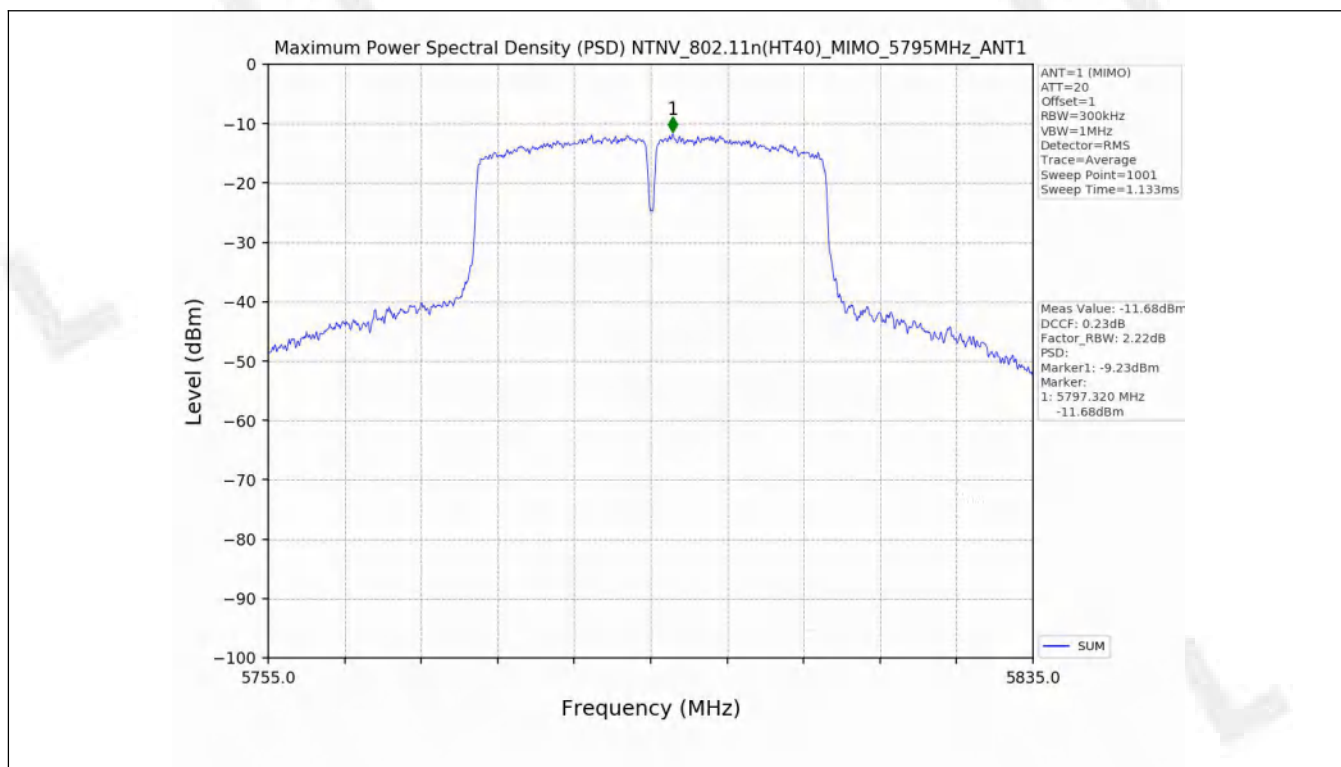
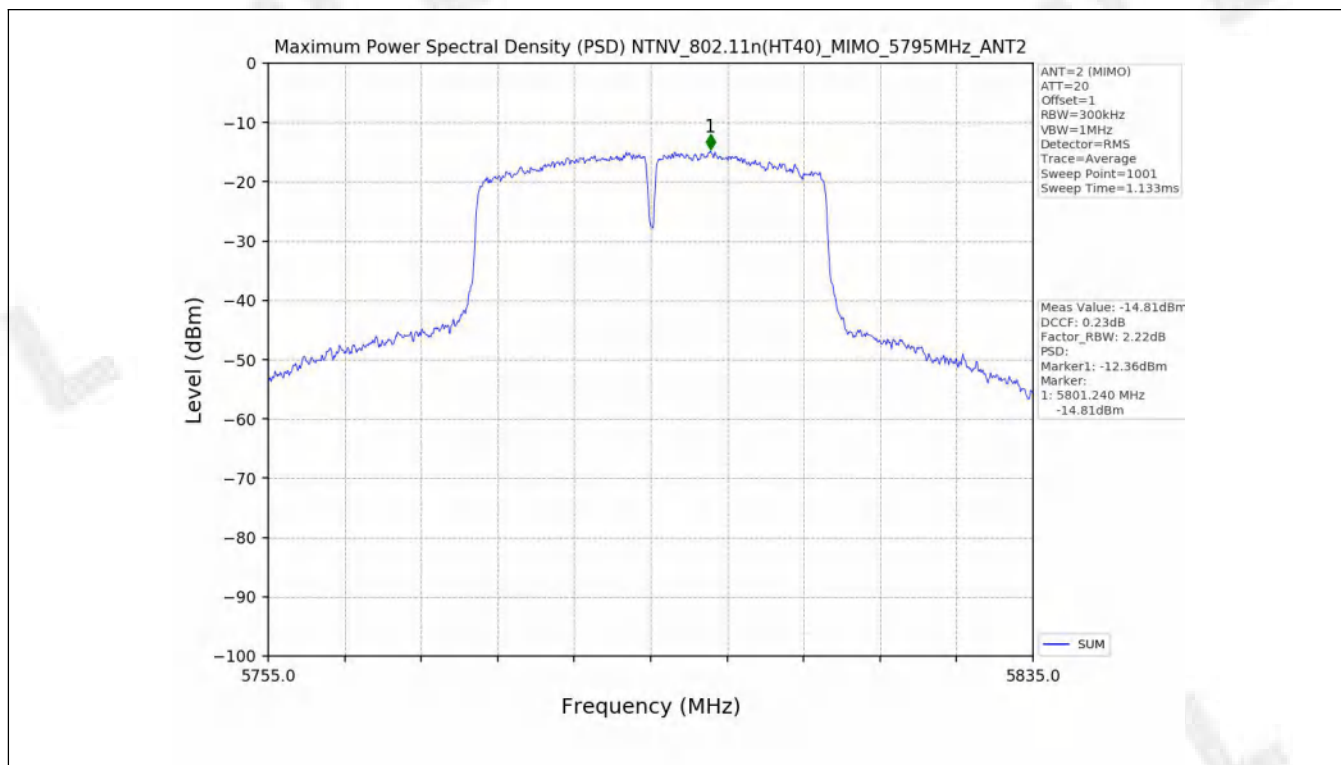












5. Frequency Stability

5.1 Test Result

Test Condition	Test Mode	Test Frequency [MHz]	Ant	Result [ppm]	Limit [ppm]	Verdict
NTNV	802.11a	5180	1	0	<=20	PASS
			2	-7.72	<=20	PASS
		5200	1	0	<=20	PASS
			2	0	<=20	PASS
		5240	1	3.82	<=20	PASS
			2	3.82	<=20	PASS
		5260	1	3.8	<=20	PASS
			2	3.8	<=20	PASS
		5300	1	-3.77	<=20	PASS
			2	0	<=20	PASS
		5320	1	3.76	<=20	PASS
			2	0	<=20	PASS
		5745	1	0	<=20	PASS
			2	0	<=20	PASS
		5785	1	3.46	<=20	PASS
			2	6.91	<=20	PASS
		5825	1	0	<=20	PASS
			2	-3.43	<=20	PASS
	802.11n	5190	MIMO	-7.71	<=20	PASS
		5230	MIMO	0	<=20	PASS
		5270	MIMO	7.59	<=20	PASS
		5310	MIMO	0	<=20	PASS
		5755	MIMO	6.95	<=20	PASS
		5795	MIMO	0	<=20	PASS