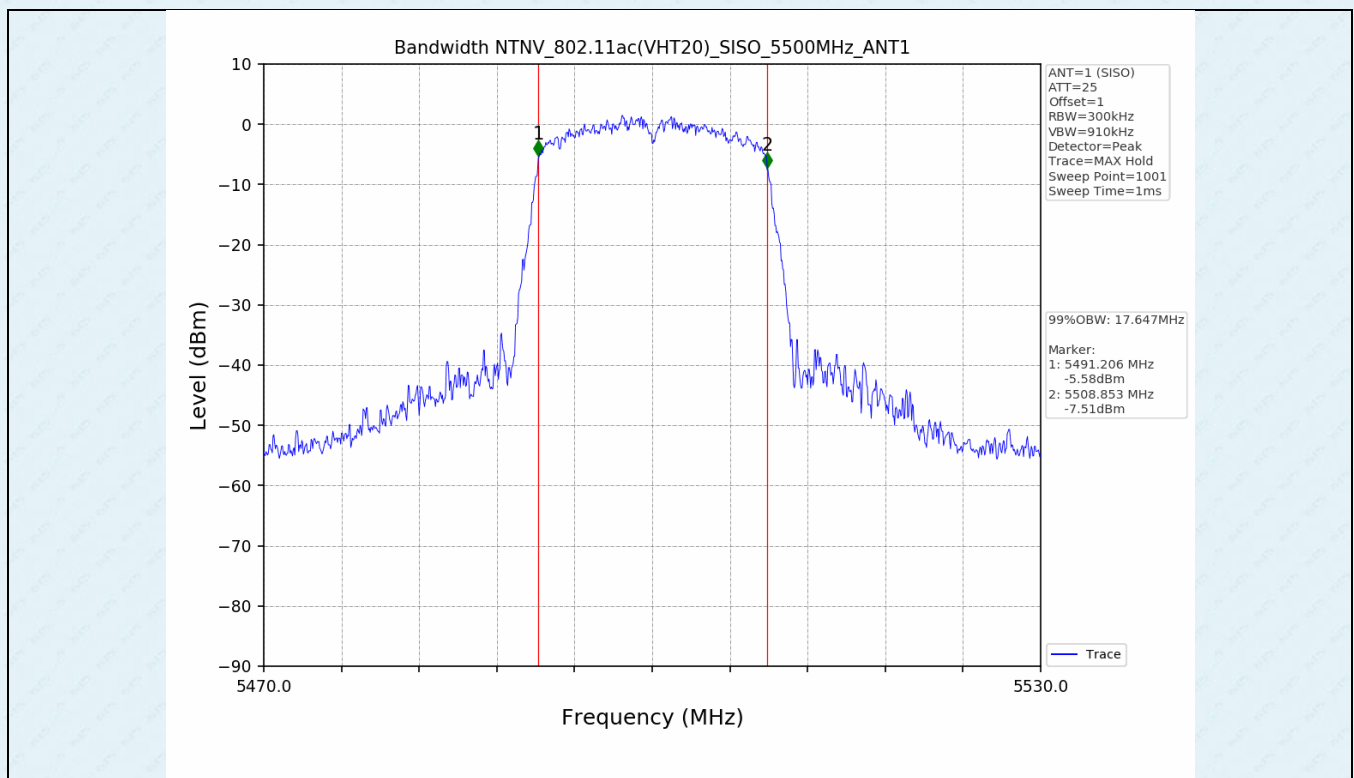
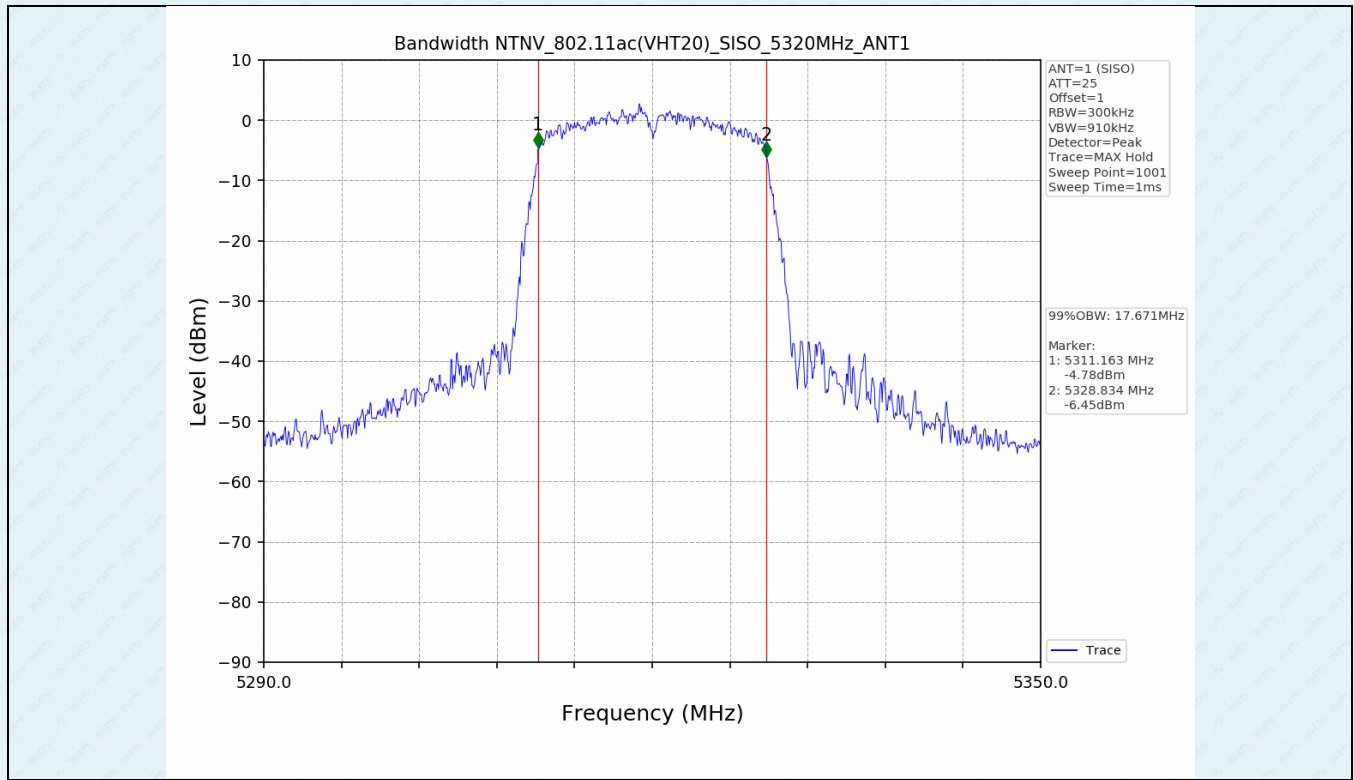
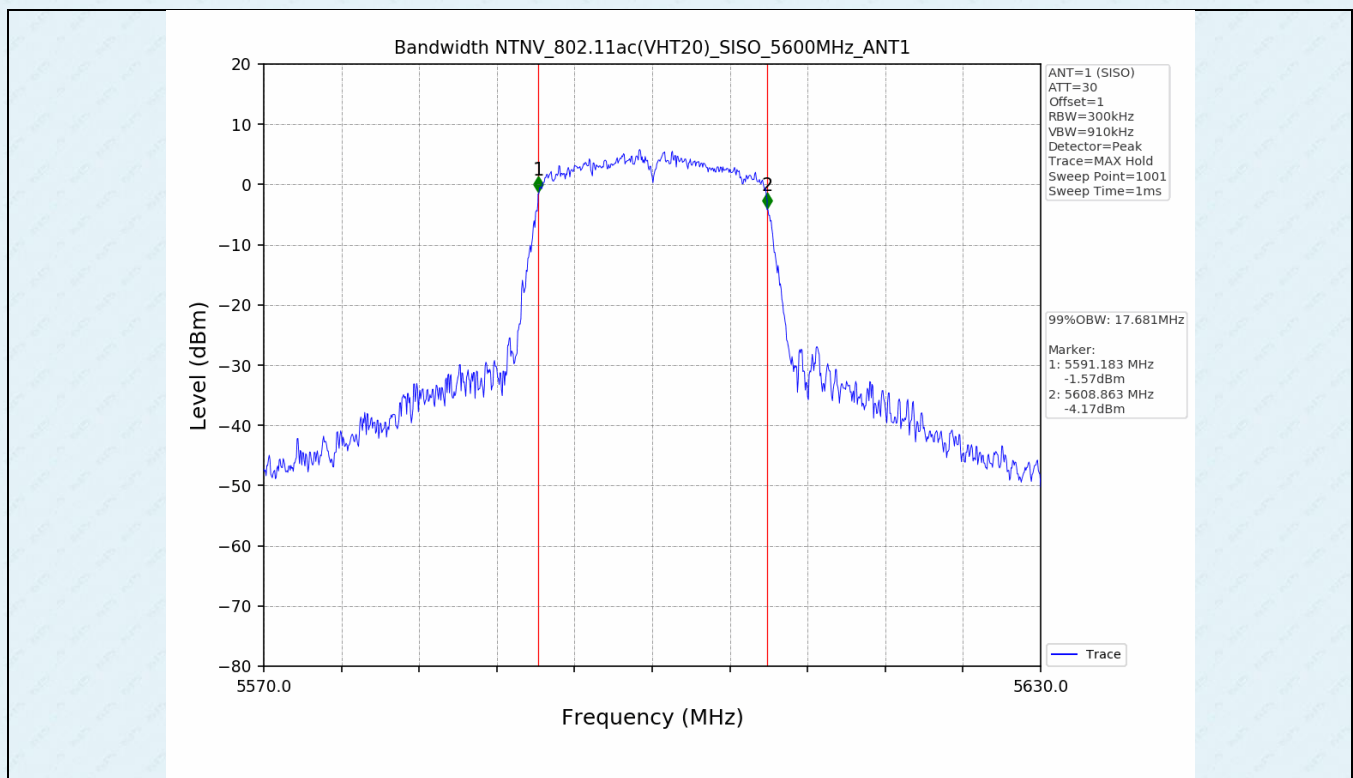
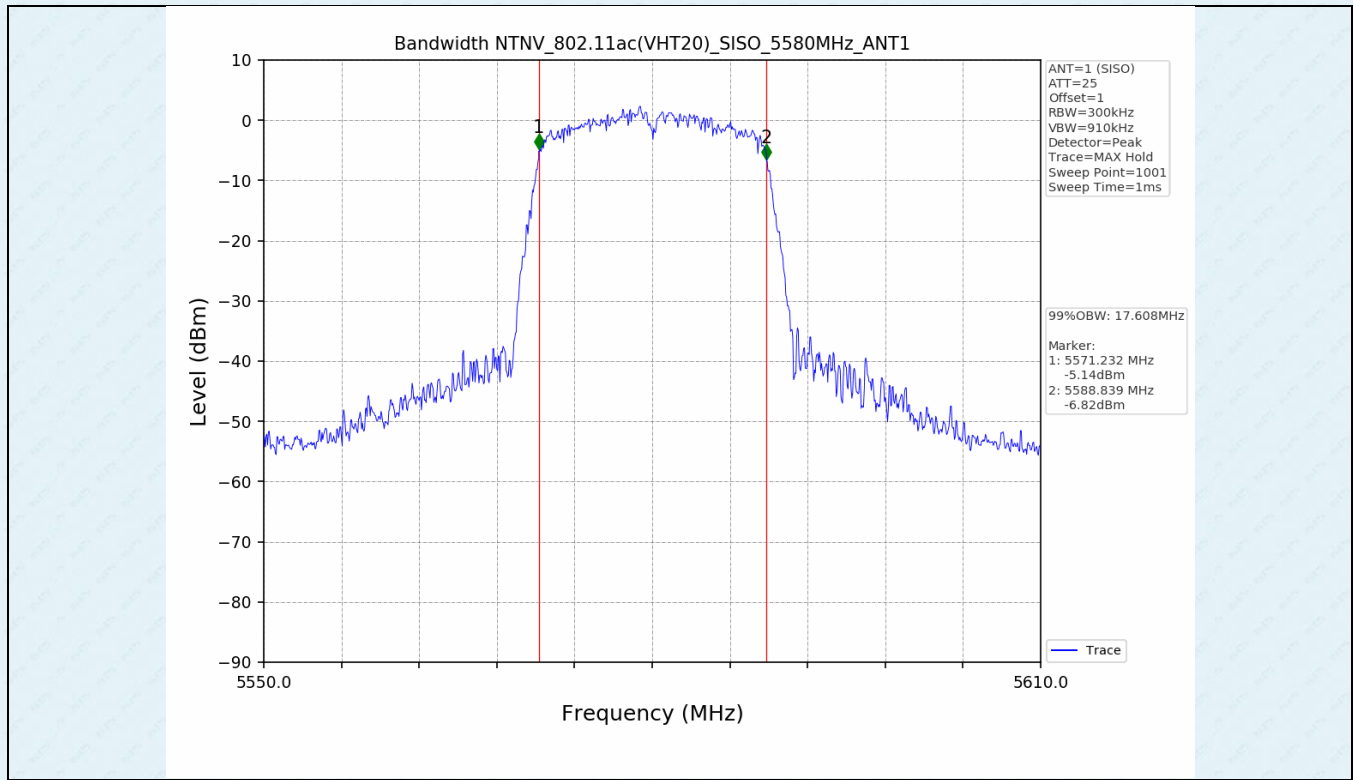
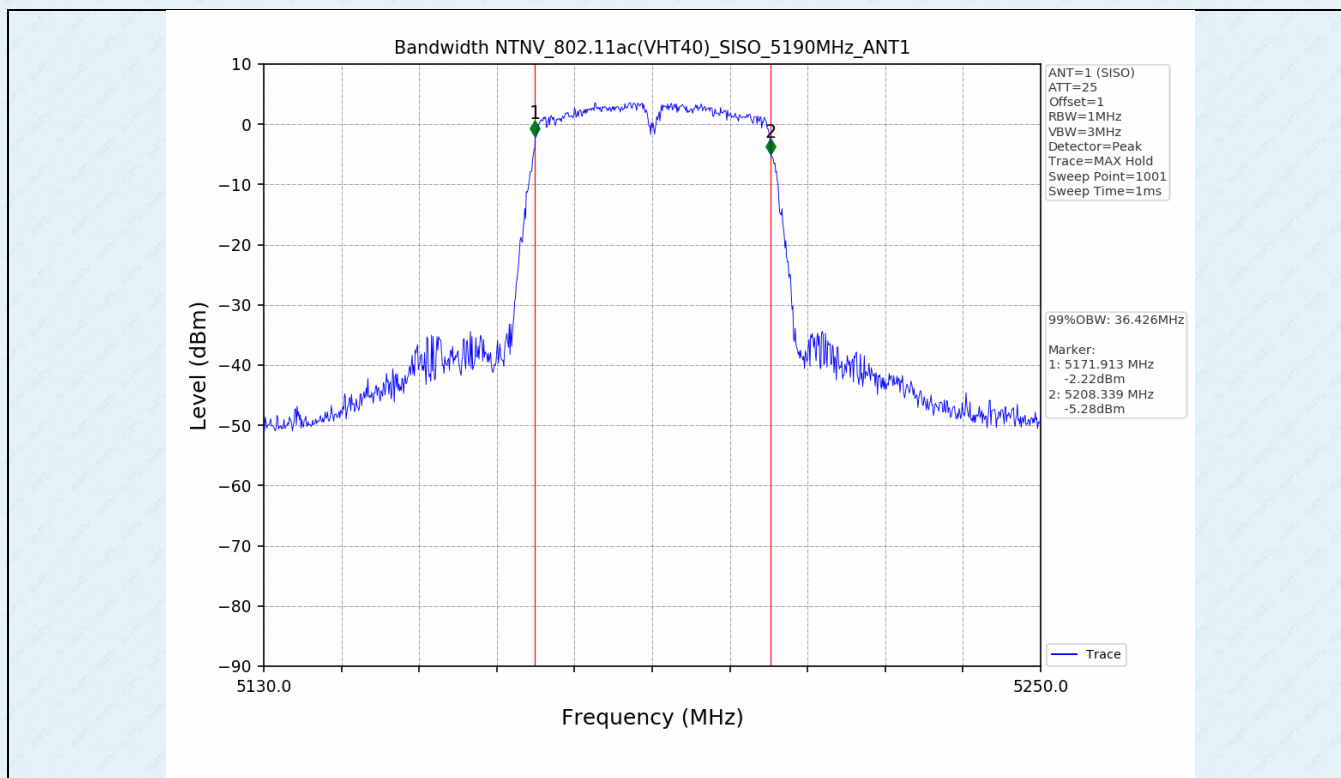
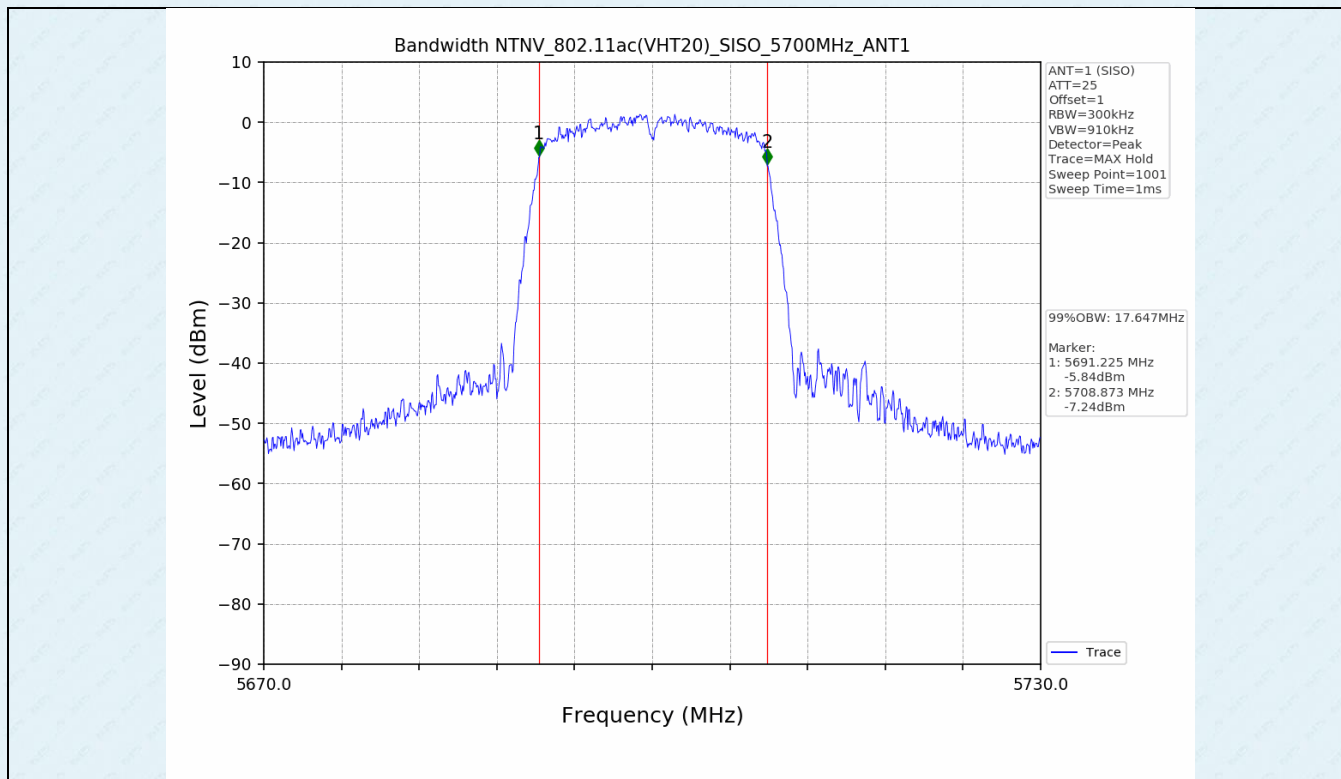
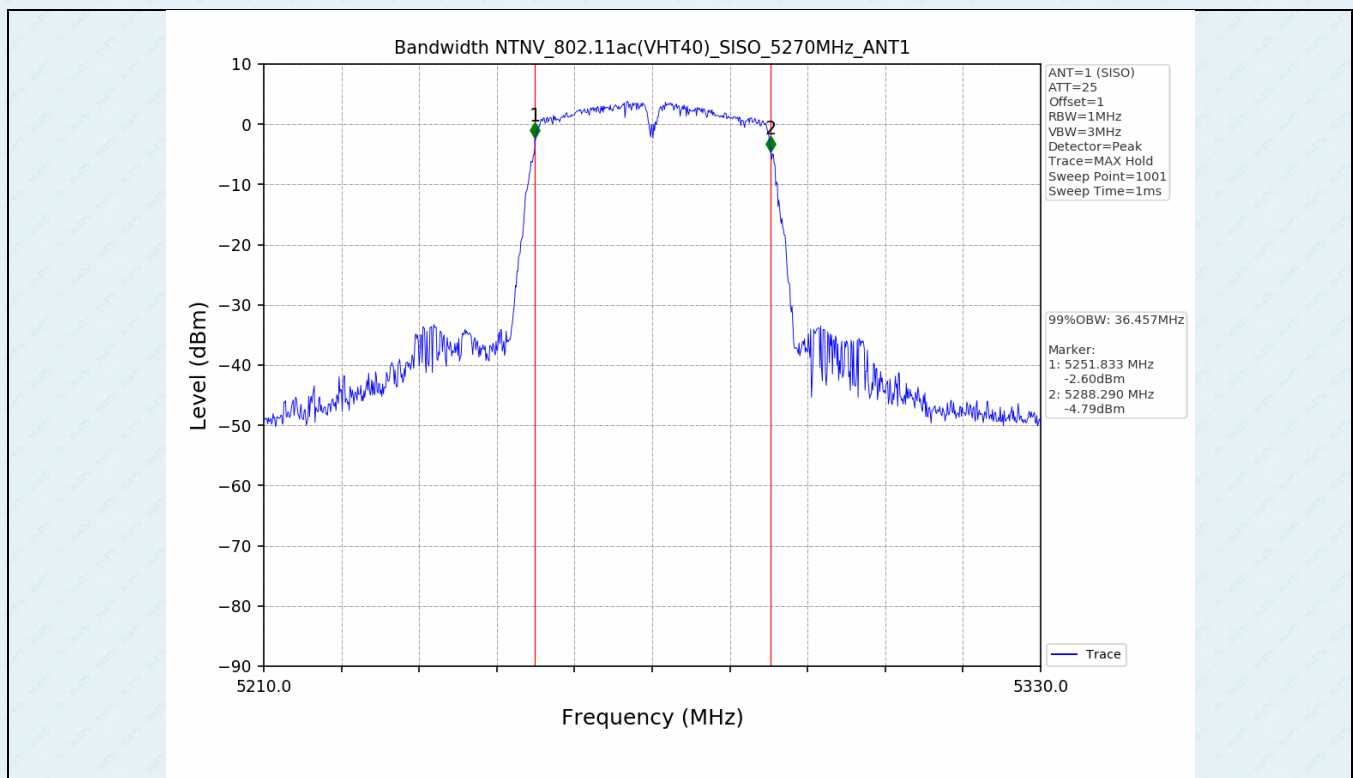
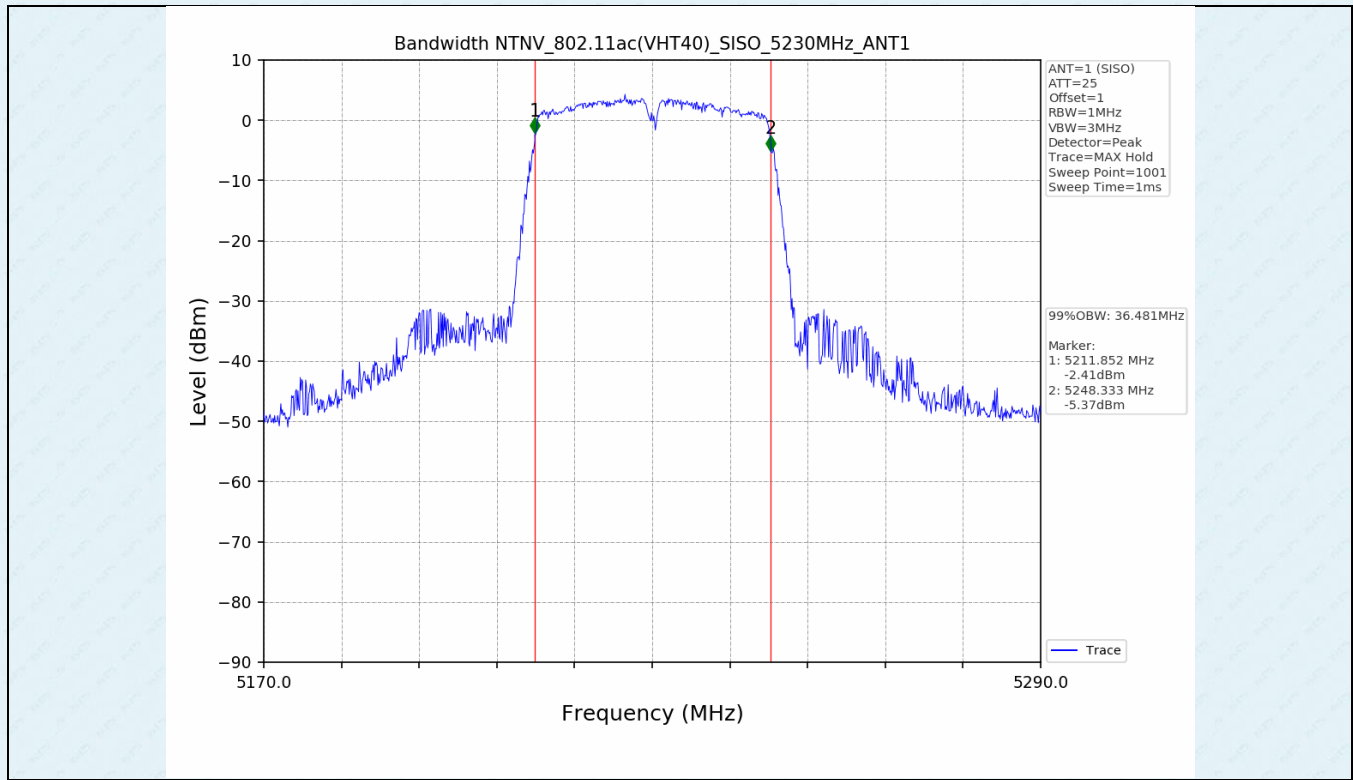
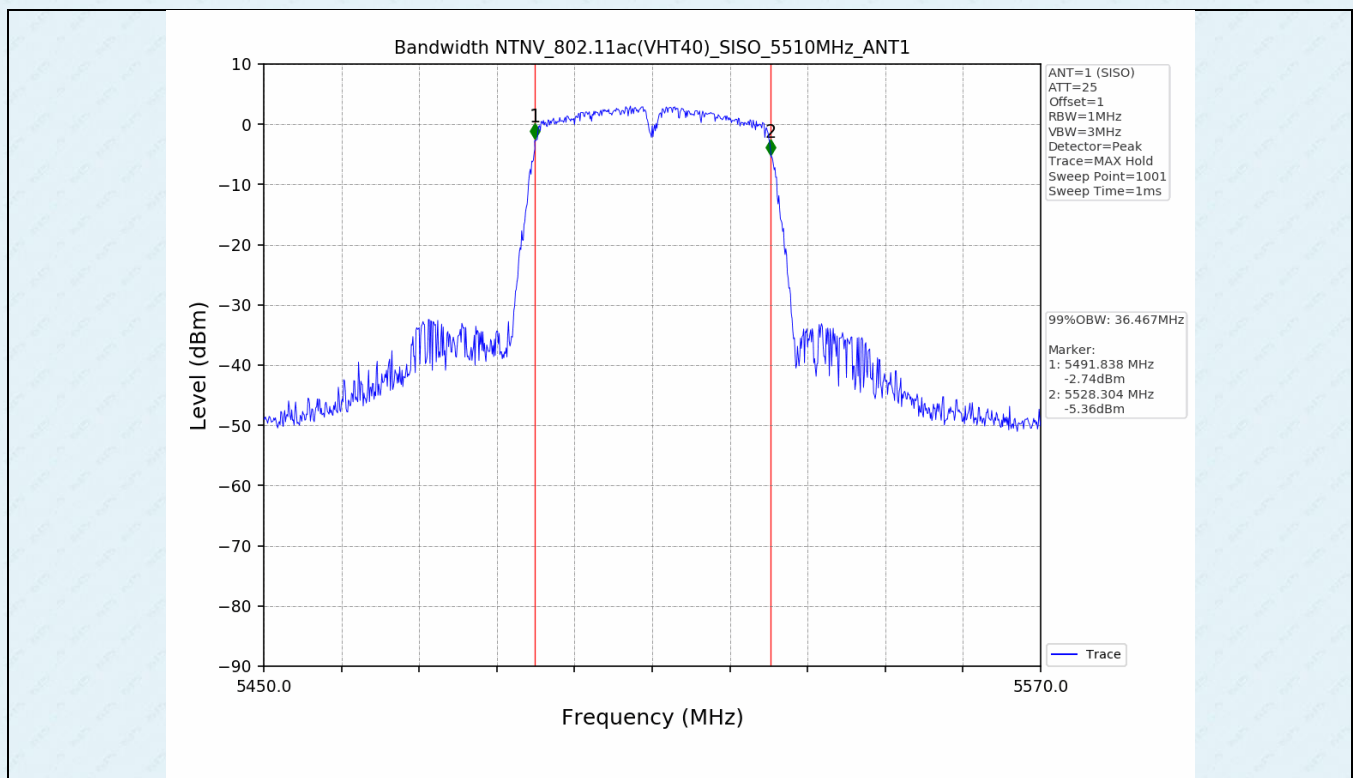
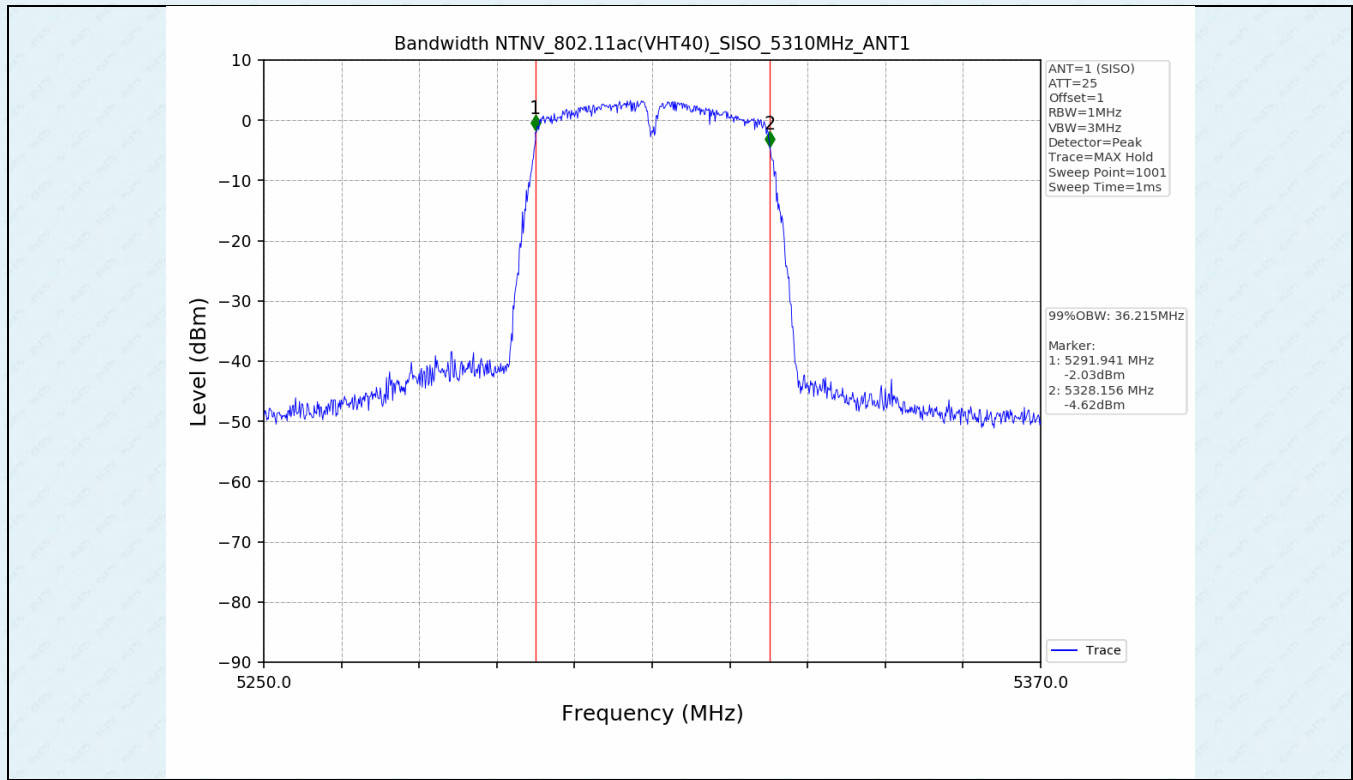


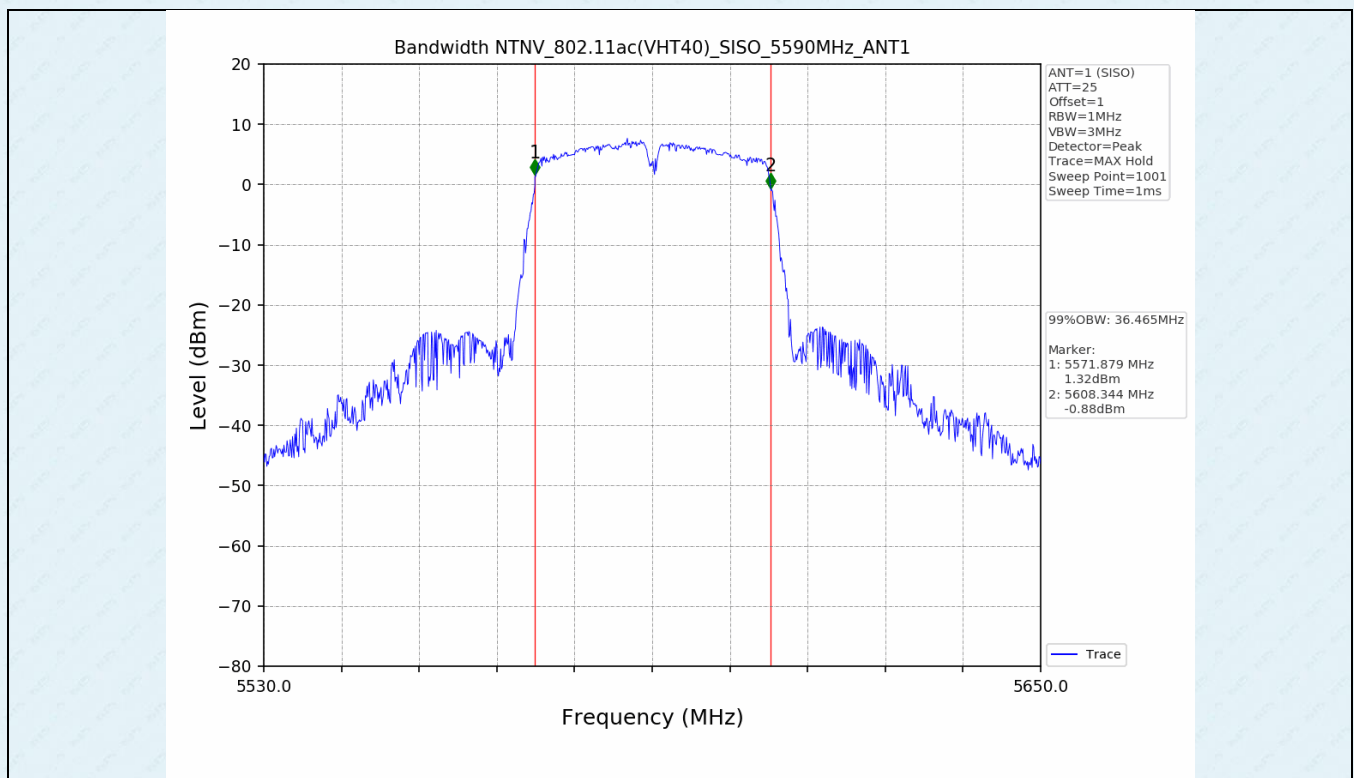
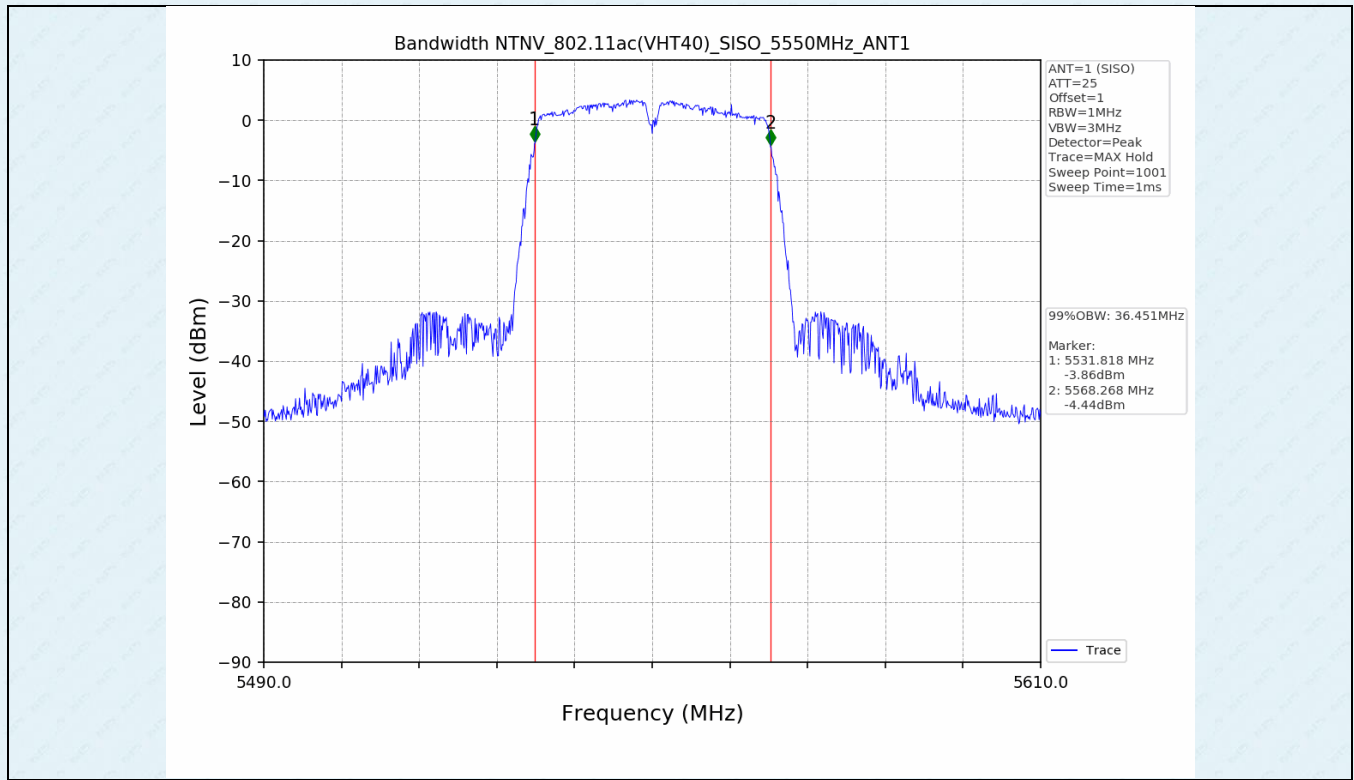


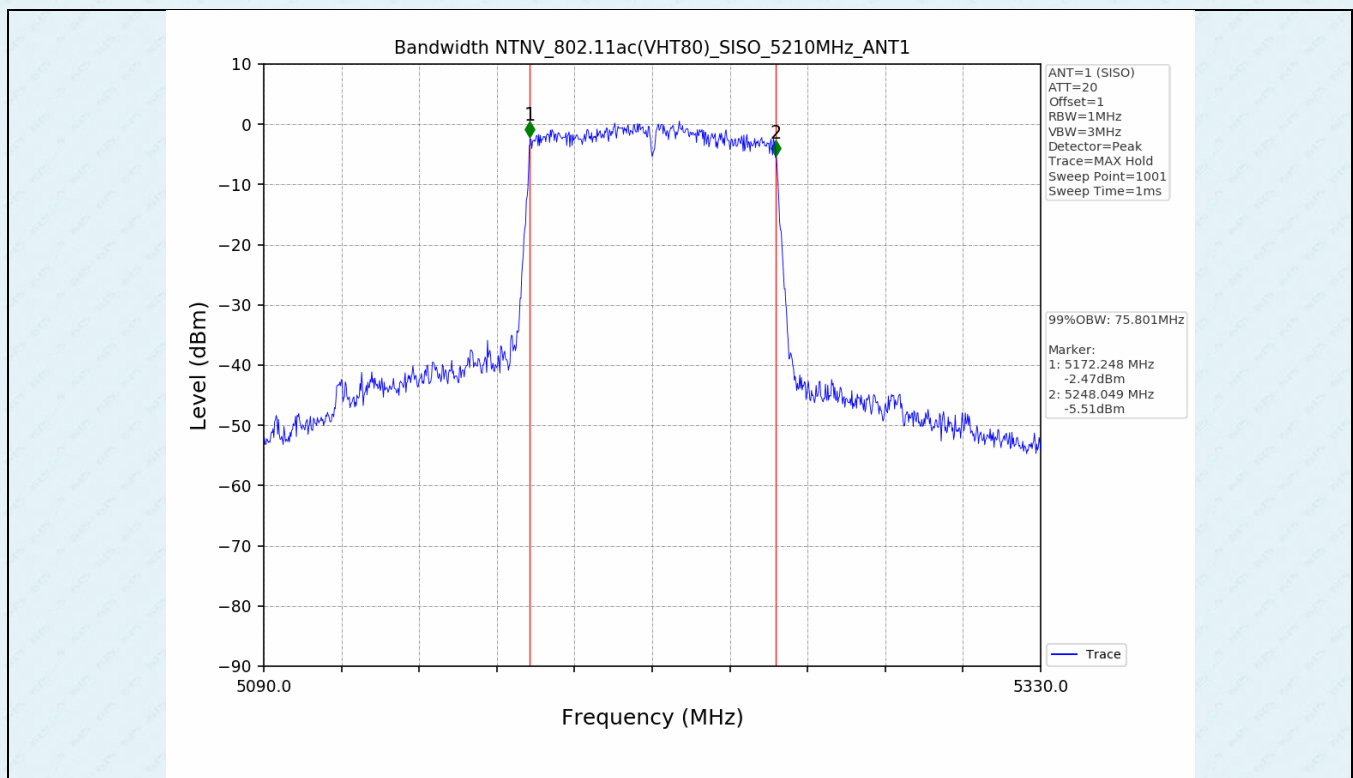
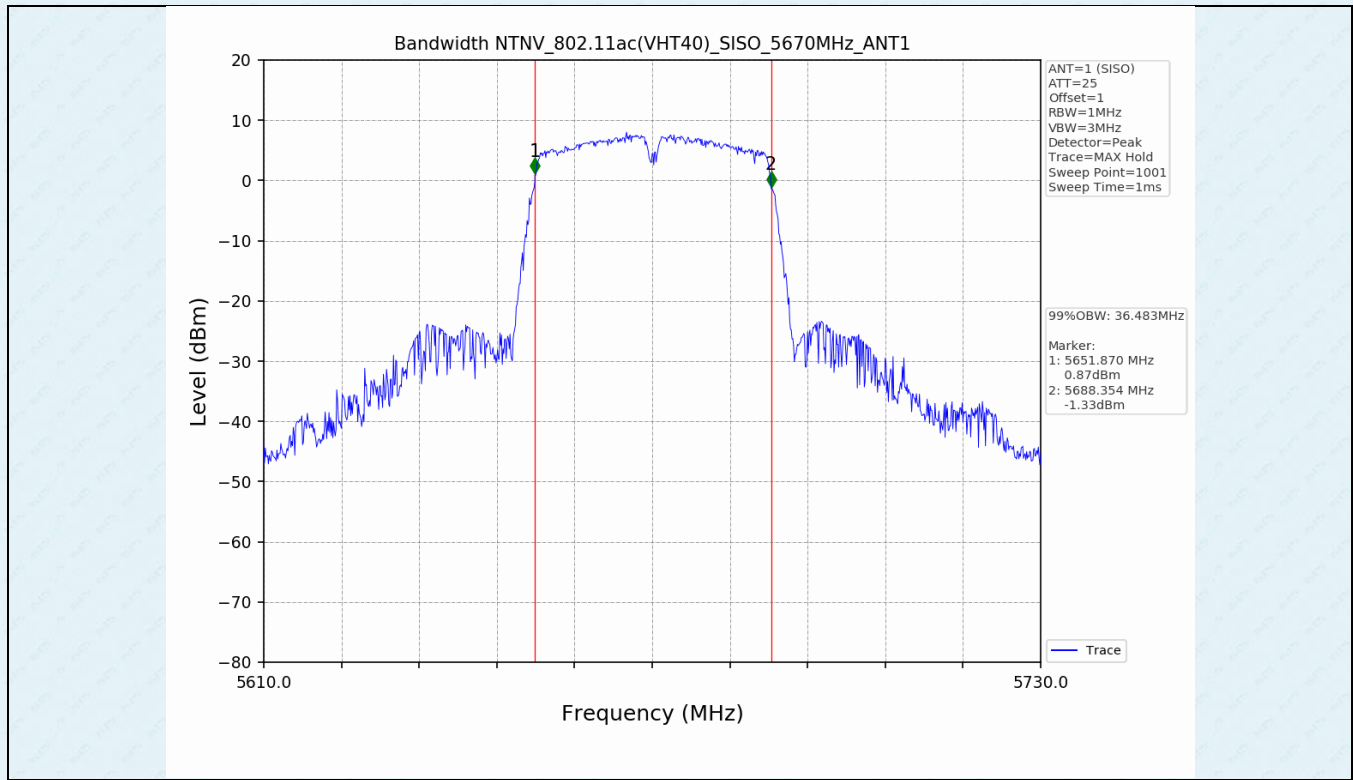


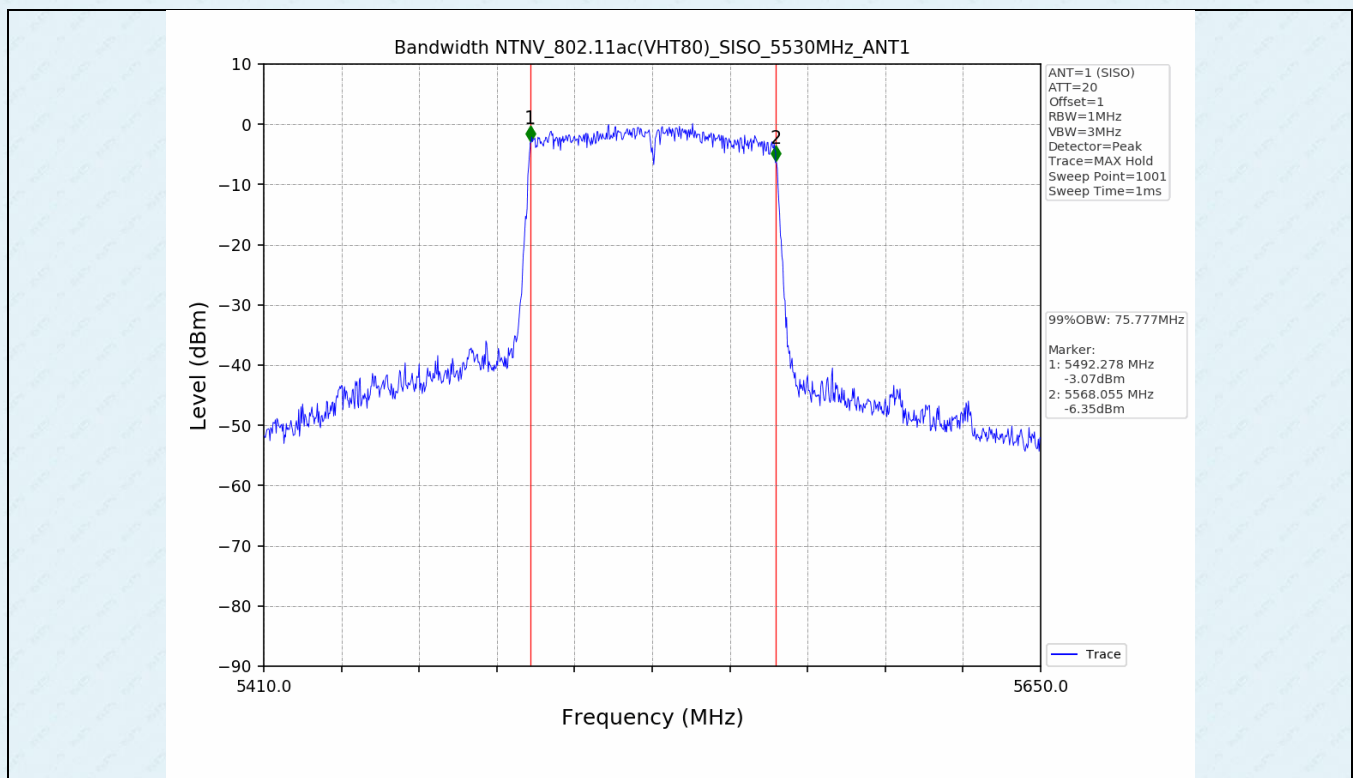
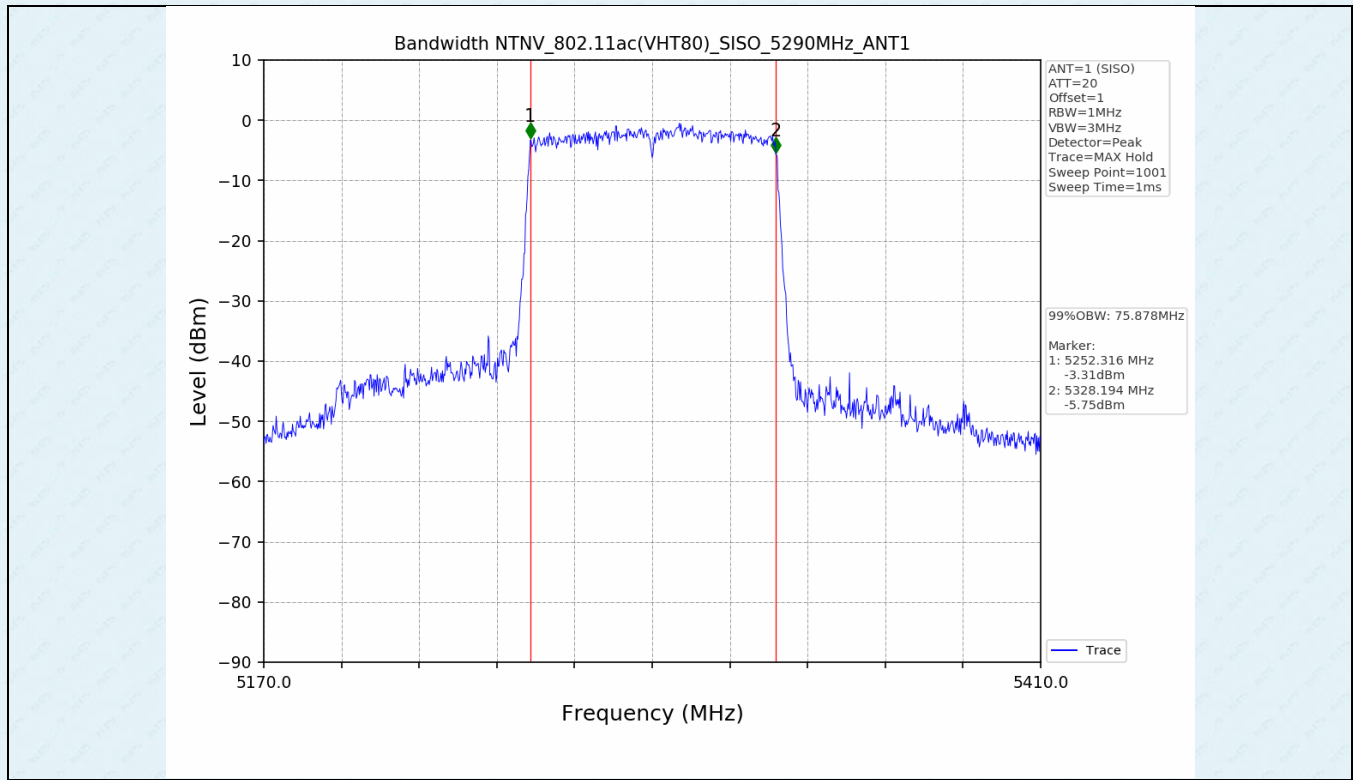


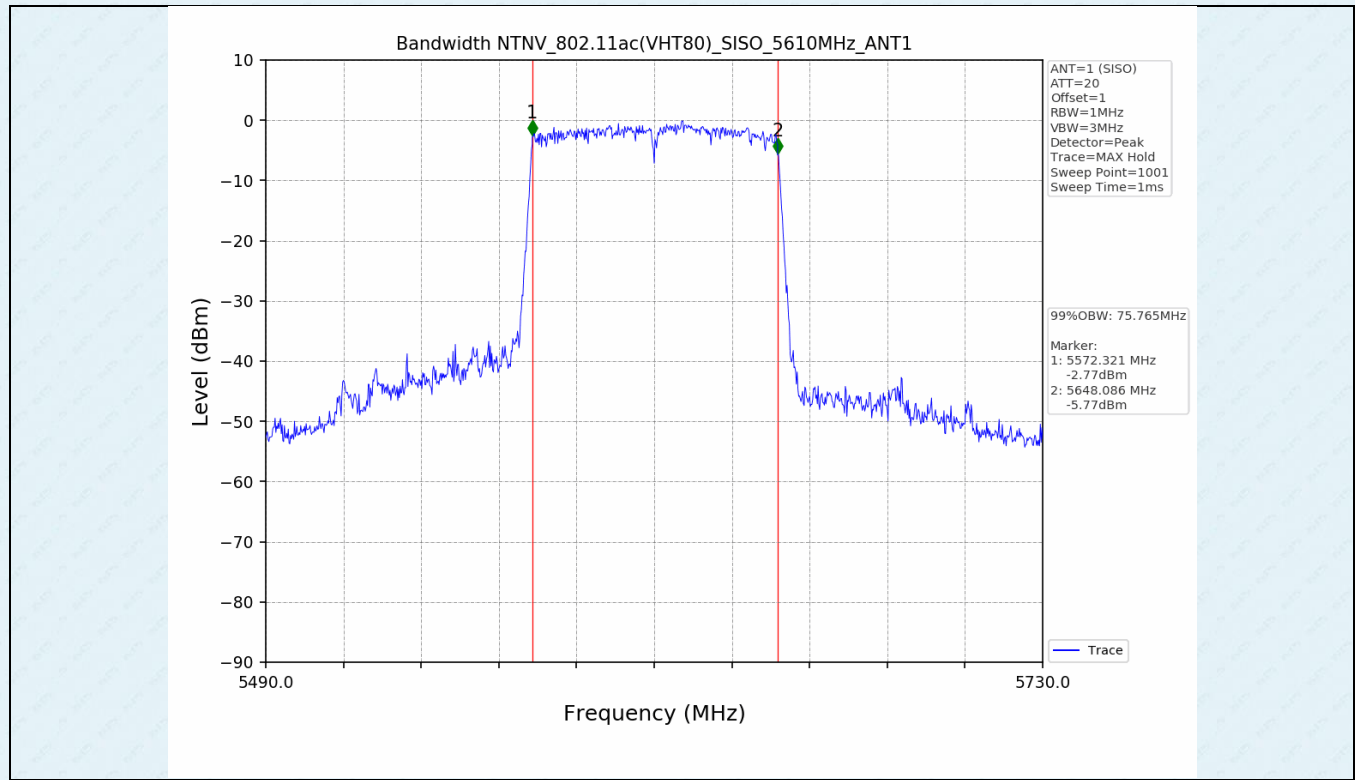












3. Maximum Conducted Output Power

3.1 Test Result

Test Mode	Frequency (MHz)	Ant.	Measured Output Power (dBm)	Limit (dBm)	Verdict
802.11a	5180	1	10.65	≤23.98	PASS
	5180	2	10.05	≤23.98	PASS
	5200	1	11.01	≤23.98	PASS
	5200	2	10.13	≤23.98	PASS
	5240	1	10.82	≤23.98	PASS
	5240	2	10.08	≤23.98	PASS
	5260	1	10.81	≤23.98	PASS
	5260	2	11.25	≤23.98	PASS
	5300	1	10.53	≤23.98	PASS
	5300	2	11.04	≤23.98	PASS
	5320	1	10.69	≤23.98	PASS
	5320	2	11.19	≤23.98	PASS
	5500	1	10.37	≤23.98	PASS
	5500	2	9.35	≤23.98	PASS
	5580	1	10.82	≤23.98	PASS
	5580	2	9.67	≤23.98	PASS
	5600	1	10.55	≤23.98	PASS
	5600	2	9.38	≤23.98	PASS
	5700	1	10.45	≤23.98	PASS
	5700	2	9.65	≤23.98	PASS
802.11n(HT20)	5180	1	10.59	≤23.98	PASS
	5180	2	10.25	≤23.98	PASS
	5180	total	13.43	≤23.06	PASS
	5200	1	10.92	≤23.98	PASS
	5200	2	10.31	≤23.98	PASS
	5200	total	13.64	≤23.06	PASS
	5240	1	10.74	≤23.98	PASS
	5240	2	10.27	≤23.98	PASS
	5240	total	13.52	≤23.06	PASS
	5260	1	10.76	≤23.98	PASS
	5260	2	10.62	≤23.98	PASS
	5260	total	13.7	≤23.35	PASS
	5300	1	10.55	≤23.98	PASS
	5300	2	10.35	≤23.98	PASS
	5300	total	13.46	≤23.35	PASS
	5320	1	10.69	≤23.98	PASS
	5320	2	10.42	≤23.98	PASS
	5320	total	13.57	≤23.35	PASS
	5500	1	10.76	≤23.98	PASS
	5500	2	9.77	≤23.98	PASS
	5500	total	13.3	≤23.09	PASS
	5580	1	11.41	≤23.98	PASS
	5580	2	10.44	≤23.98	PASS
	5580	total	13.96	≤23.09	PASS
	5600	1	13.26	≤23.98	PASS
	5600	2	10.08	≤23.98	PASS
	5600	total	14.97	≤23.09	PASS
	5700	1	11.07	≤23.98	PASS
	5700	2	10.31	≤23.98	PASS

802.11n(HT40)	5700	total	13.72	≤23.09	PASS
	5190	1	11.23	≤23.98	PASS
	5190	2	11.01	≤23.98	PASS
	5190	total	14.13	≤23.06	PASS
	5230	1	11.34	≤23.98	PASS
	5230	2	10.05	≤23.98	PASS
	5230	total	13.75	≤23.06	PASS
	5270	1	11.00	≤23.98	PASS
	5270	2	11.19	≤23.98	PASS
	5270	total	14.11	≤23.35	PASS
	5310	1	10.83	≤23.98	PASS
	5310	2	10.90	≤23.98	PASS
	5310	total	13.88	≤23.35	PASS
	5510	1	10.54	≤23.98	PASS
	5510	2	10.30	≤23.98	PASS
	5510	total	13.43	≤23.09	PASS
	5550	1	10.78	≤23.98	PASS
	5550	2	10.42	≤23.98	PASS
	5550	total	13.61	≤23.09	PASS
	5590	1	10.74	≤23.98	PASS
	5590	2	10.32	≤23.98	PASS
	5590	total	13.55	≤23.09	PASS
	5670	1	10.79	≤23.98	PASS
	5670	2	10.91	≤23.98	PASS
	5670	total	13.86	≤23.09	PASS
802.11ac(VHT20)	5180	1	10.79	≤23.98	PASS
	5180	2	10.19	≤23.98	PASS
	5180	total	13.51	≤23.06	PASS
	5200	1	11.14	≤23.98	PASS
	5200	2	10.31	≤23.98	PASS
	5200	total	13.76	≤23.06	PASS
	5240	1	10.88	≤23.98	PASS
	5240	2	10.29	≤23.98	PASS
	5240	total	13.61	≤23.06	PASS
	5260	1	10.80	≤23.98	PASS
	5260	2	11.62	≤23.98	PASS
	5260	total	14.24	≤23.35	PASS
	5300	1	11.69	≤23.98	PASS
	5300	2	10.27	≤23.98	PASS
	5300	total	14.05	≤23.35	PASS
	5320	1	10.63	≤23.98	PASS
	5320	2	10.37	≤23.98	PASS
	5320	total	13.51	≤23.35	PASS
	5500	1	10.71	≤23.98	PASS
	5500	2	9.72	≤23.98	PASS
	5500	total	13.25	≤23.09	PASS
	5580	1	11.07	≤23.98	PASS
	5580	2	10.14	≤23.98	PASS
	5580	total	13.64	≤23.09	PASS
	5600	1	10.06	≤23.98	PASS
	5600	2	10.70	≤23.98	PASS
	5600	total	13.4	≤23.09	PASS
	5700	1	10.91	≤23.98	PASS
	5700	2	9.85	≤23.98	PASS
	5700	total	13.42	≤23.09	PASS
802.11ac(VHT40)	5190	1	10.84	≤23.98	PASS
	5190	2	10.05	≤23.98	PASS
	5190	total	13.47	≤23.06	PASS

	5230	1	10.31	≤23.98	PASS
	5230	2	9.58	≤23.98	PASS
	5230	total	12.97	≤23.06	PASS
	5270	1	10.03	≤23.98	PASS
	5270	2	9.43	≤23.98	PASS
	5270	total	12.75	≤23.35	PASS
	5310	1	9.64	≤23.98	PASS
	5310	2	9.32	≤23.98	PASS
	5310	total	12.49	≤23.35	PASS
	5510	1	10.32	≤23.98	PASS
	5510	2	10.79	≤23.98	PASS
	5510	total	13.57	≤23.09	PASS
	5550	1	9.87	≤23.98	PASS
	5550	2	9.15	≤23.98	PASS
	5550	total	12.54	≤23.09	PASS
	5590	1	9.71	≤23.98	PASS
	5590	2	11.85	≤23.98	PASS
	5590	total	13.92	≤23.09	PASS
	5670	1	10.60	≤23.98	PASS
	5670	2	10.19	≤23.98	PASS
	5670	total	13.41	≤23.09	PASS
802.11ac(VHT80)	5210	1	10.61	≤23.98	PASS
	5210	2	10.00	≤23.98	PASS
	5210	total	13.33	≤23.06	PASS
	5290	1	9.91	≤23.98	PASS
	5290	2	9.32	≤23.98	PASS
	5290	total	12.64	≤23.35	PASS
	5530	1	10.04	≤23.98	PASS
	5530	2	9.25	≤23.98	PASS
	5530	total	12.67	≤23.09	PASS
	5610	1	10.28	≤23.98	PASS
	5610	2	9.99	≤23.98	PASS
	5610	total	13.15	≤23.09	PASS

Note: transmit signals are completely *correlated*,

Directional gain(5150M-5250M)= $10 \times \log[(10^{4.2/20} + 10^{3.6/20})^2/2]$ =6.92dBi

Directional gain(5250M-5350M)= $10 \times \log[(10^{4.2/20} + 10^{3/20})^2/2]$ =6.63dBi

Directional gain(5470M-5725M)= $10 \times \log[(10^{4.6/20} + 10^{3.1/20})^2/2]$ =6.89dBi

Test result include duty cycle correction factor

4. Maximum Power Spectral Density (PSD)

4.1 Test Result

Test Mode	Frequency (MHz)	Ant.	Maximum Power Spectral Density (dBm/MHz)	Limits (dBm/MHz)	Verdict
802.11a	5180	1	-0.44	≤11	PASS
	5180	2	0.18	≤11	PASS
	5200	1	-0.38	≤11	PASS
	5200	2	0.20	≤11	PASS
	5240	1	-0.61	≤11	PASS
	5240	2	-0.05	≤11	PASS
	5260	1	-0.13	≤11	PASS
	5260	2	0.42	≤11	PASS
	5300	1	-0.57	≤11	PASS
	5300	2	0.15	≤11	PASS
	5320	1	-0.46	≤11	PASS
	5320	2	0.11	≤11	PASS
	5500	1	-0.19	≤11	PASS
	5500	2	-0.31	≤11	PASS
	5580	1	-0.19	≤11	PASS
	5580	2	-0.23	≤11	PASS
	5600	1	-0.53	≤11	PASS
	5600	2	-0.53	≤11	PASS
	5700	1	0.15	≤11	PASS
	5700	2	-0.28	≤11	PASS
802.11n(HT20)	5180	1	-0.32	≤11	PASS
	5180	2	0.13	≤11	PASS
	5180	total	2.92	≤10.08	PASS
	5200	1	-0.40	≤11	PASS
	5200	2	0.22	≤11	PASS
	5200	total	2.93	≤10.08	PASS
	5240	1	-0.58	≤11	PASS
	5240	2	0.21	≤11	PASS
	5240	total	2.84	≤10.08	PASS
	5260	1	-0.45	≤11	PASS
	5260	2	0.50	≤11	PASS
	5260	total	3.06	≤10.37	PASS
	5300	1	-0.58	≤11	PASS
	5300	2	0.37	≤11	PASS
	5300	total	2.93	≤10.37	PASS
	5320	1	-0.56	≤11	PASS
	5320	2	0.17	≤11	PASS
	5320	total	2.83	≤10.37	PASS
	5500	1	-0.16	≤11	PASS
	5500	2	-0.33	≤11	PASS
	5500	total	2.77	≤10.11	PASS
	5580	1	-0.08	≤11	PASS
	5580	2	0.13	≤11	PASS
	5580	total	3.04	≤10.11	PASS
	5600	1	-0.44	≤11	PASS
	5600	2	0.24	≤11	PASS
	5600	total	2.92	≤10.11	PASS

	5700	1	0.08	≤11	PASS
	5700	2	0.34	≤11	PASS
	5700	total	3.22	≤10.11	PASS
802.11n(HT40)	5190	1	-3.92	≤11	PASS
	5190	2	-6.42	≤11	PASS
	5190	total	-1.98	≤10.08	PASS
	5230	1	-3.82	≤11	PASS
	5230	2	-3.43	≤11	PASS
	5230	total	-0.61	≤10.08	PASS
	5270	1	-3.82	≤11	PASS
	5270	2	-2.29	≤11	PASS
	5270	total	0.02	≤10.37	PASS
	5310	1	-3.98	≤11	PASS
	5310	2	-2.39	≤11	PASS
	5310	total	-0.1	≤10.37	PASS
	5510	1	-3.72	≤11	PASS
	5510	2	-3.24	≤11	PASS
	5510	total	-0.46	≤10.11	PASS
	5550	1	-3.53	≤11	PASS
	5550	2	-3.09	≤11	PASS
	5550	total	-0.29	≤10.11	PASS
	5590	1	-3.48	≤11	PASS
	5590	2	-3.22	≤11	PASS
	5590	total	-0.34	≤10.11	PASS
	5670	1	-3.52	≤11	PASS
	5670	2	-2.52	≤11	PASS
	5670	total	0.02	≤10.11	PASS
802.11ac(VHT20)	5180	1	-0.72	≤11	PASS
	5180	2	-0.07	≤11	PASS
	5180	total	2.63	≤10.08	PASS
	5200	1	-0.46	≤11	PASS
	5200	2	0.34	≤11	PASS
	5200	total	2.97	≤10.08	PASS
	5240	1	-0.88	≤11	PASS
	5240	2	0.31	≤11	PASS
	5240	total	2.77	≤10.08	PASS
	5260	1	-0.66	≤11	PASS
	5260	2	0.69	≤11	PASS
	5260	total	3.08	≤10.37	PASS
	5300	1	-0.80	≤11	PASS
	5300	2	0.25	≤11	PASS
	5300	total	2.77	≤10.37	PASS
	5320	1	-1.11	≤11	PASS
	5320	2	0.31	≤11	PASS
	5320	total	2.67	≤10.37	PASS
	5500	1	-0.61	≤11	PASS
	5500	2	-0.24	≤11	PASS
	5500	total	2.59	≤10.11	PASS
	5580	1	0.05	≤11	PASS
	5580	2	0.16	≤11	PASS
	5580	total	3.12	≤10.11	PASS
	5600	1	-0.70	≤11	PASS
	5600	2	0.53	≤11	PASS
	5600	total	2.97	≤10.11	PASS
	5700	1	0.26	≤11	PASS
	5700	2	-0.14	≤11	PASS
	5700	total	3.07	≤10.11	PASS
802.11ac(VHT40)	5190	1	-4.90	≤11	PASS

	5190	2	-4.13	≤11	PASS
	5190	total	-1.49	≤10.08	PASS
	5230	1	-5.50	≤11	PASS
	5230	2	-3.67	≤11	PASS
	5230	total	-1.48	≤10.08	PASS
	5270	1	-5.10	≤11	PASS
	5270	2	-3.65	≤11	PASS
	5270	total	-1.3	≤10.37	PASS
	5310	1	-4.77	≤11	PASS
	5310	2	-3.72	≤11	PASS
	5310	total	-1.2	≤10.37	PASS
	5510	1	-4.72	≤11	PASS
	5510	2	-4.52	≤11	PASS
	5510	total	-1.61	≤10.11	PASS
	5550	1	-4.25	≤11	PASS
	5550	2	-4.43	≤11	PASS
	5550	total	-1.33	≤10.11	PASS
	5590	1	-4.39	≤11	PASS
	5590	2	-0.48	≤11	PASS
	5590	total	1	≤10.11	PASS
	5670	1	-4.38	≤11	PASS
	5670	2	0.05	≤11	PASS
	5670	total	1.39	≤10.11	PASS
802.11ac(VHT80)	5210	1	-8.12	≤11	PASS
	5210	2	-7.20	≤11	PASS
	5210	total	-4.63	≤10.08	PASS
	5290	1	-9.00	≤11	PASS
	5290	2	-8.17	≤11	PASS
	5290	total	-5.55	≤10.37	PASS
	5530	1	-8.05	≤11	PASS
	5530	2	-8.05	≤11	PASS
	5530	total	-5.04	≤10.11	PASS
	5610	1	-8.43	≤11	PASS
	5610	2	-9.92	≤11	PASS
	5610	total	-6.1	≤10.11	PASS

Note: transmit signals are completely *correlated*,

Directional gain(5150M-5250M)=10 x log $[(10^{4.2/20} + 10^{3.6/20})^2/2]$ =6.92dBi

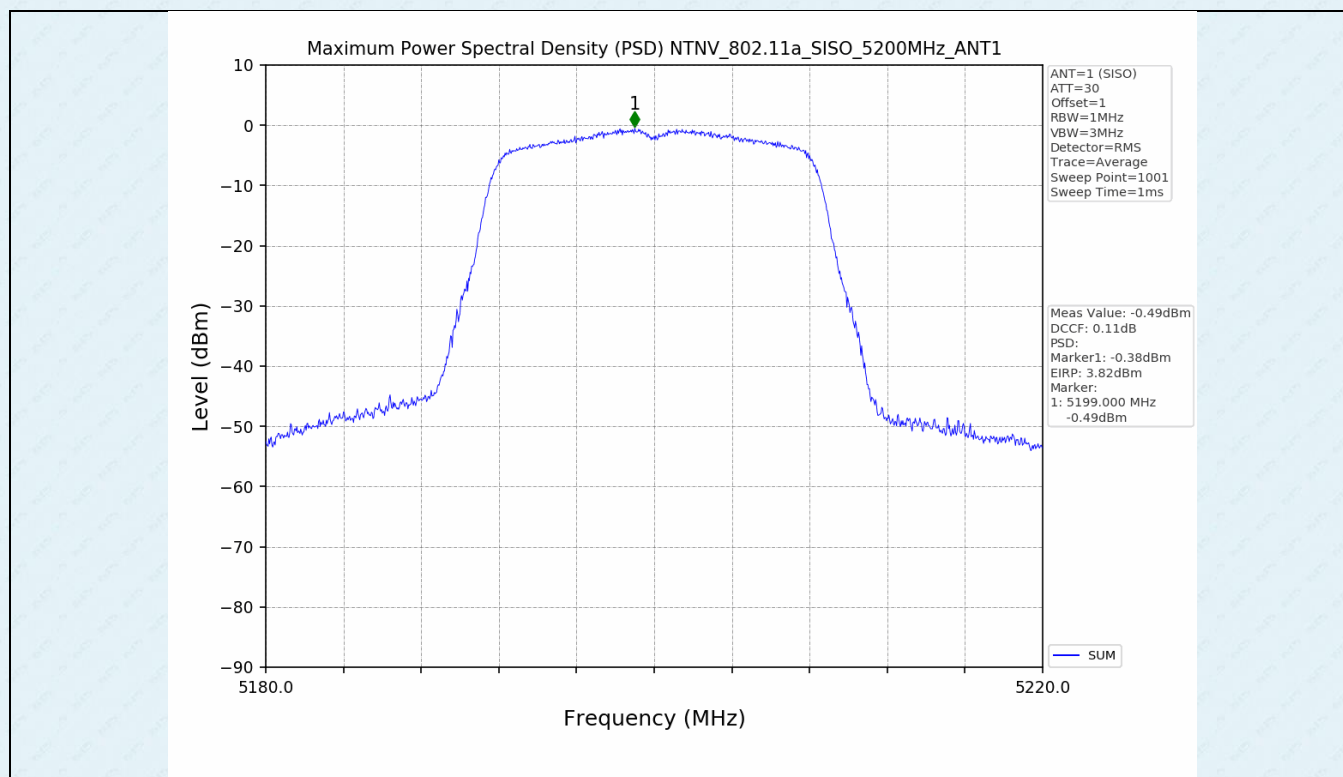
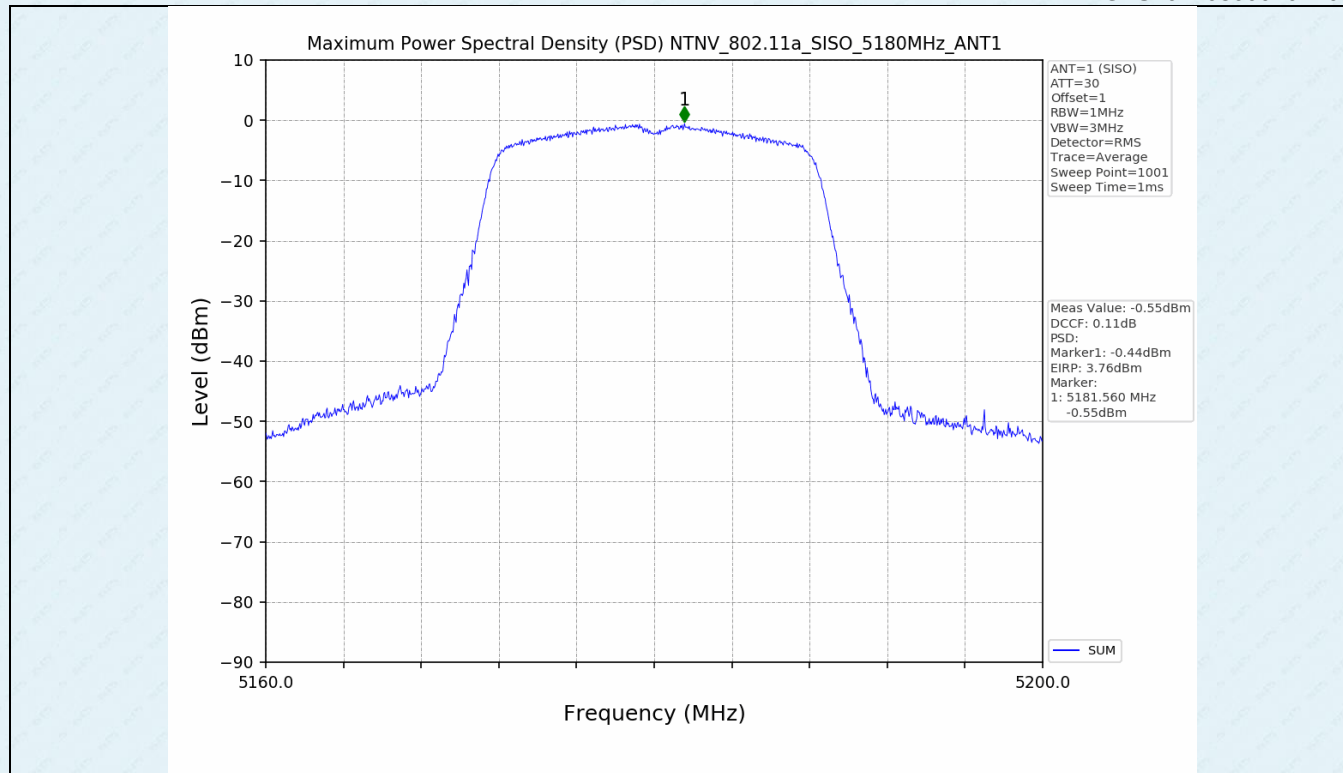
Directional gain(5250M-5350M)=10 x log $[(10^{4.2/20} + 10^{3/20})^2/2]$ = 6.63dBi

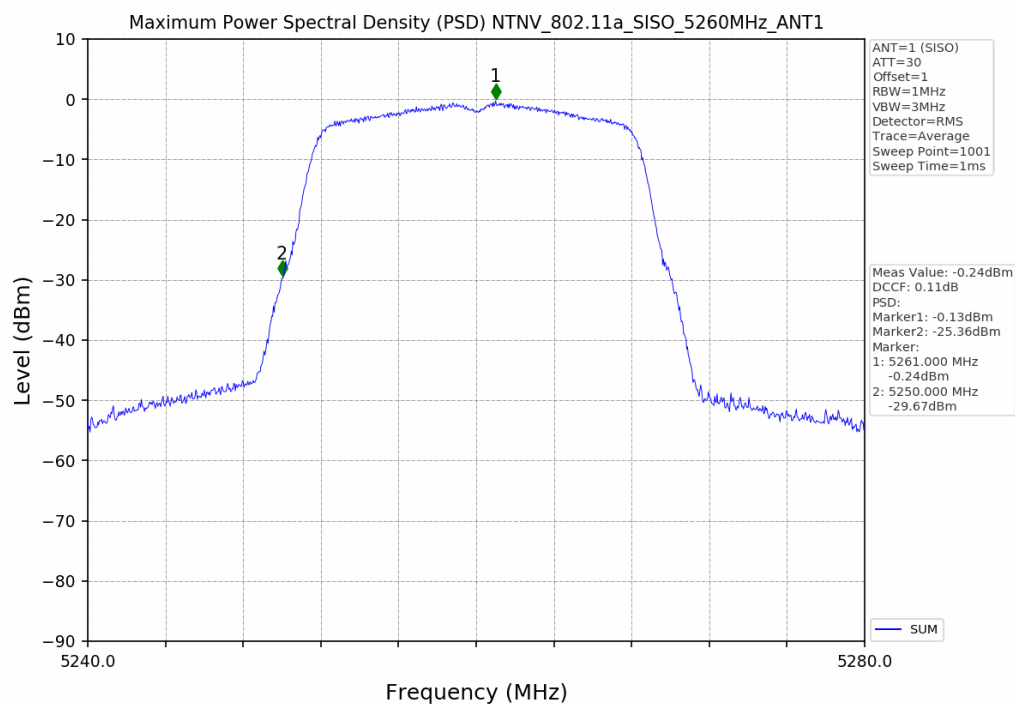
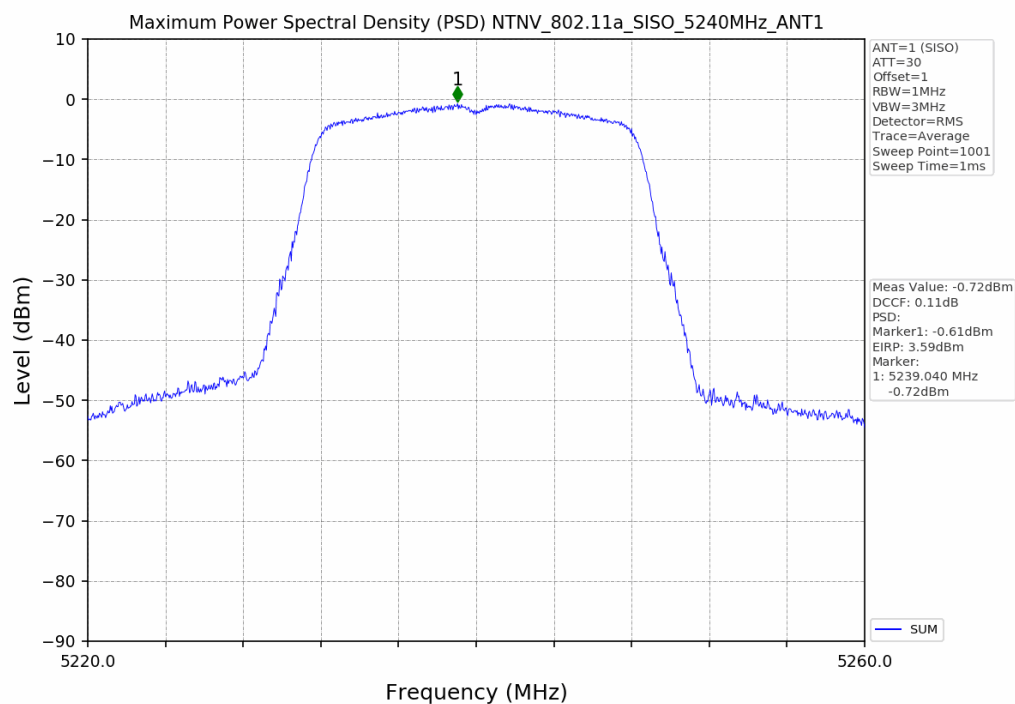
Directional gain(5470M-5725M)=10 x log $[(10^{4.6/20} + 10^{3.1/20})^2/2]$ = 6.89dBi

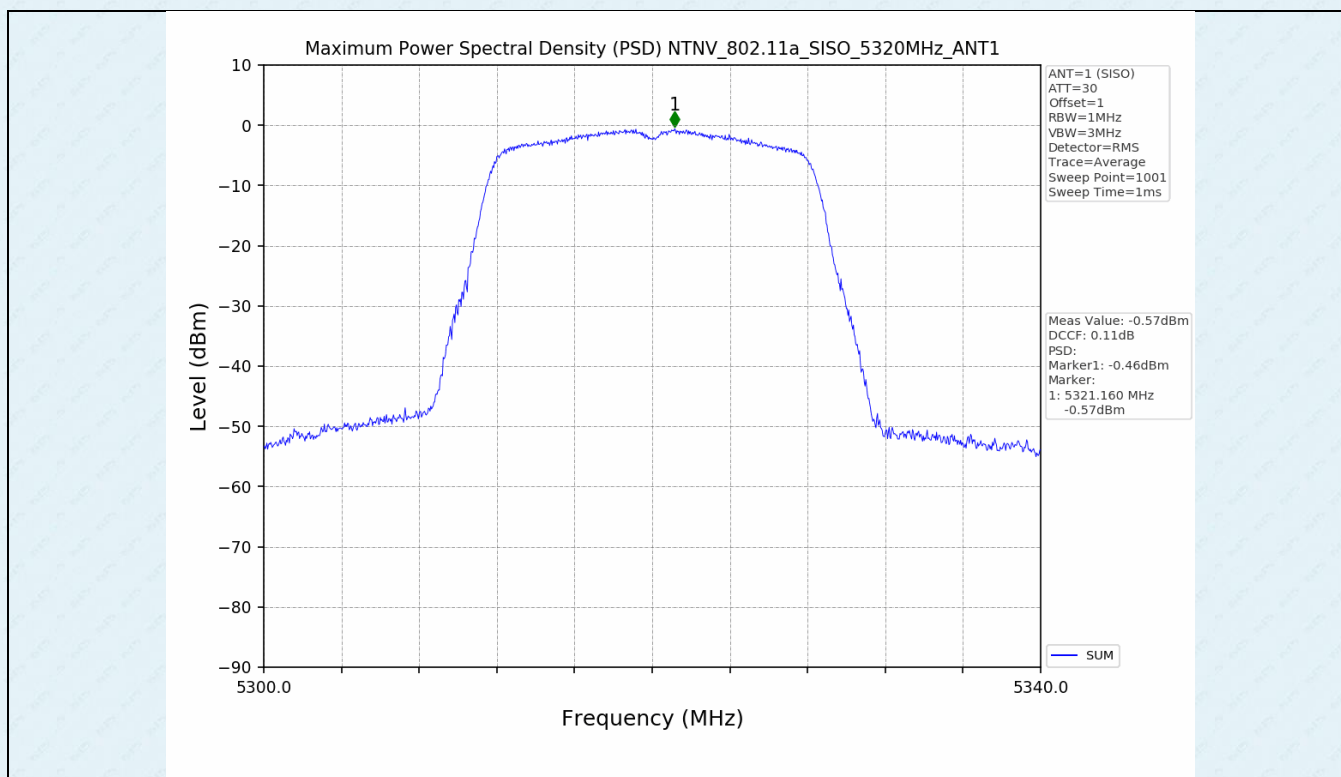
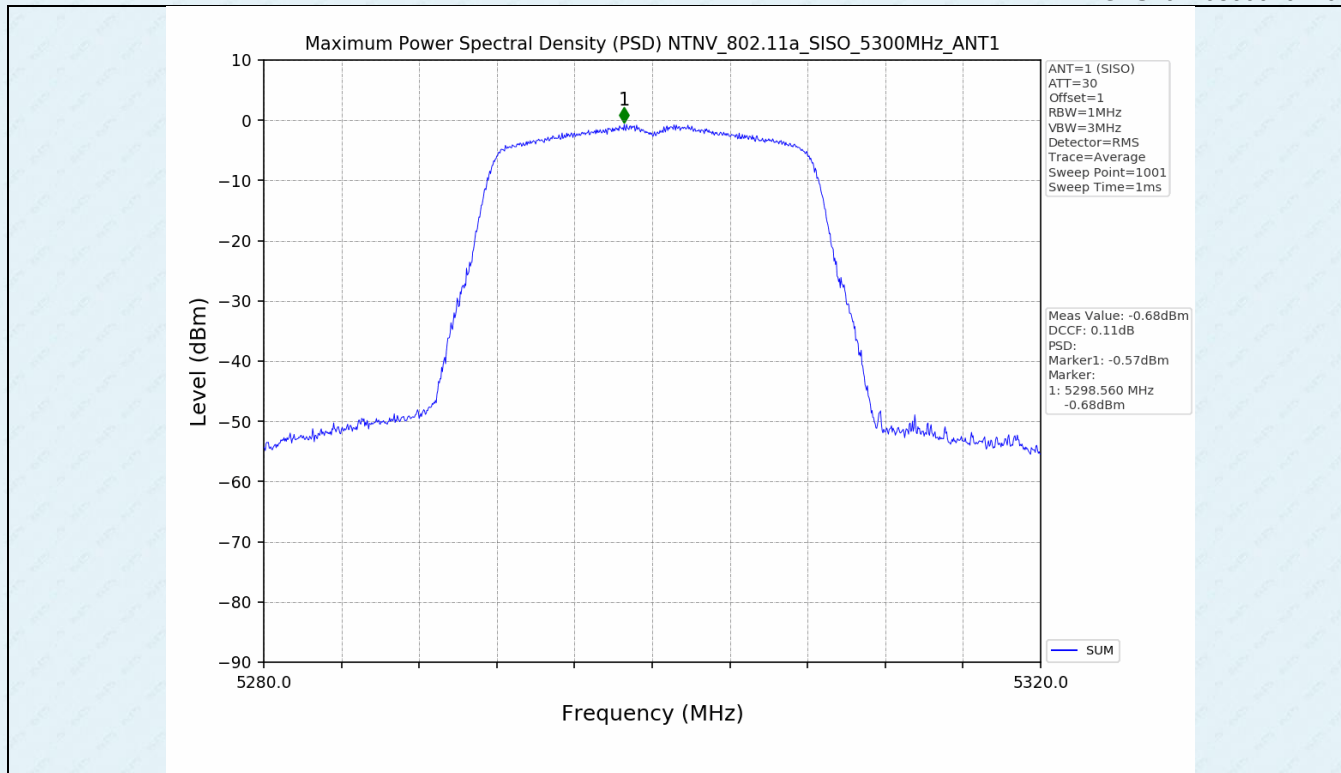
Test result include duty cycle correction factor

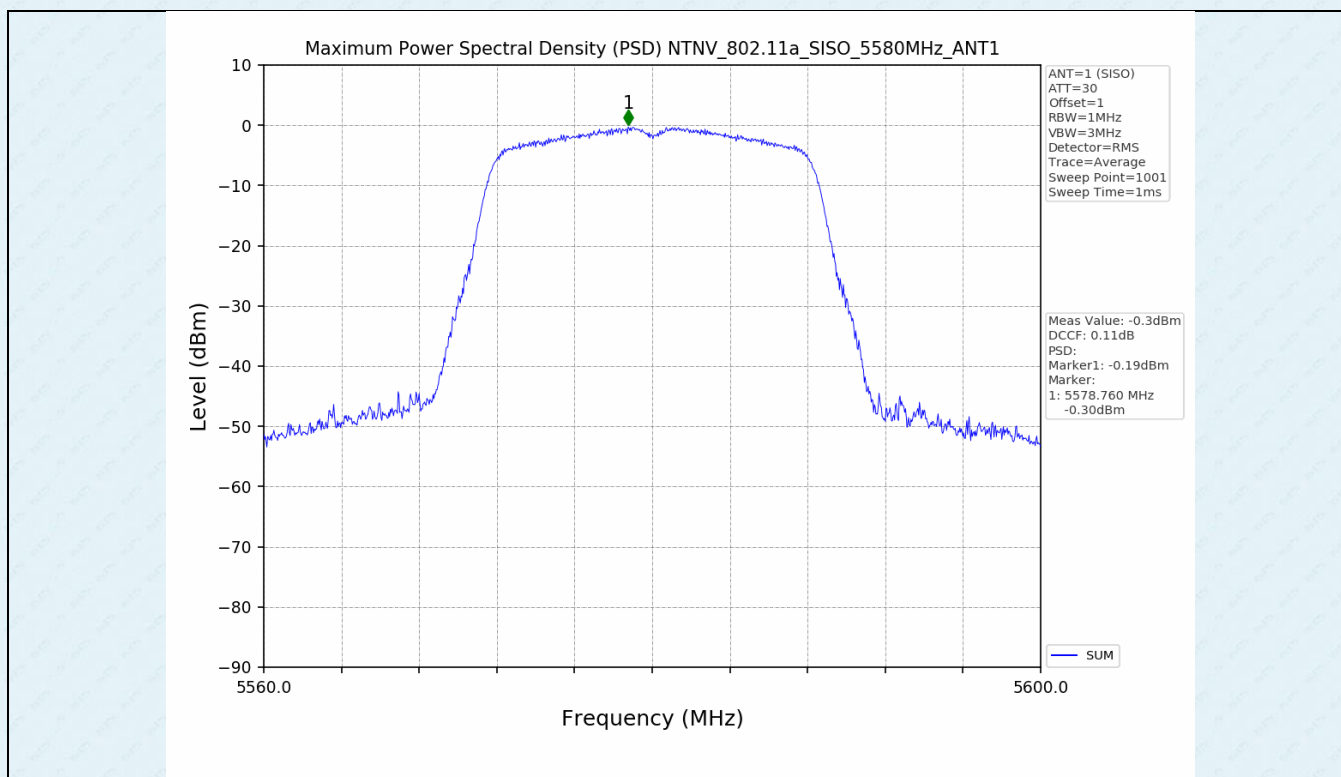
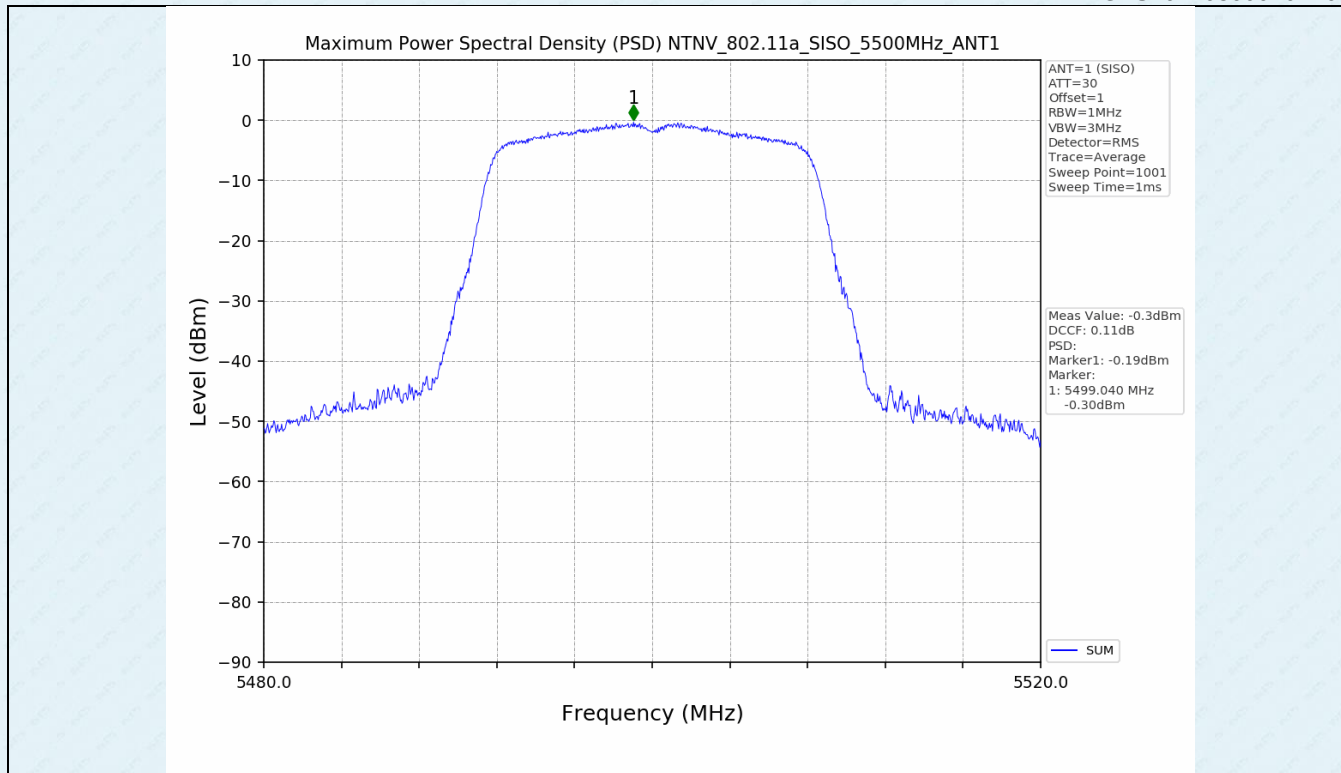
4.2 Test Graph

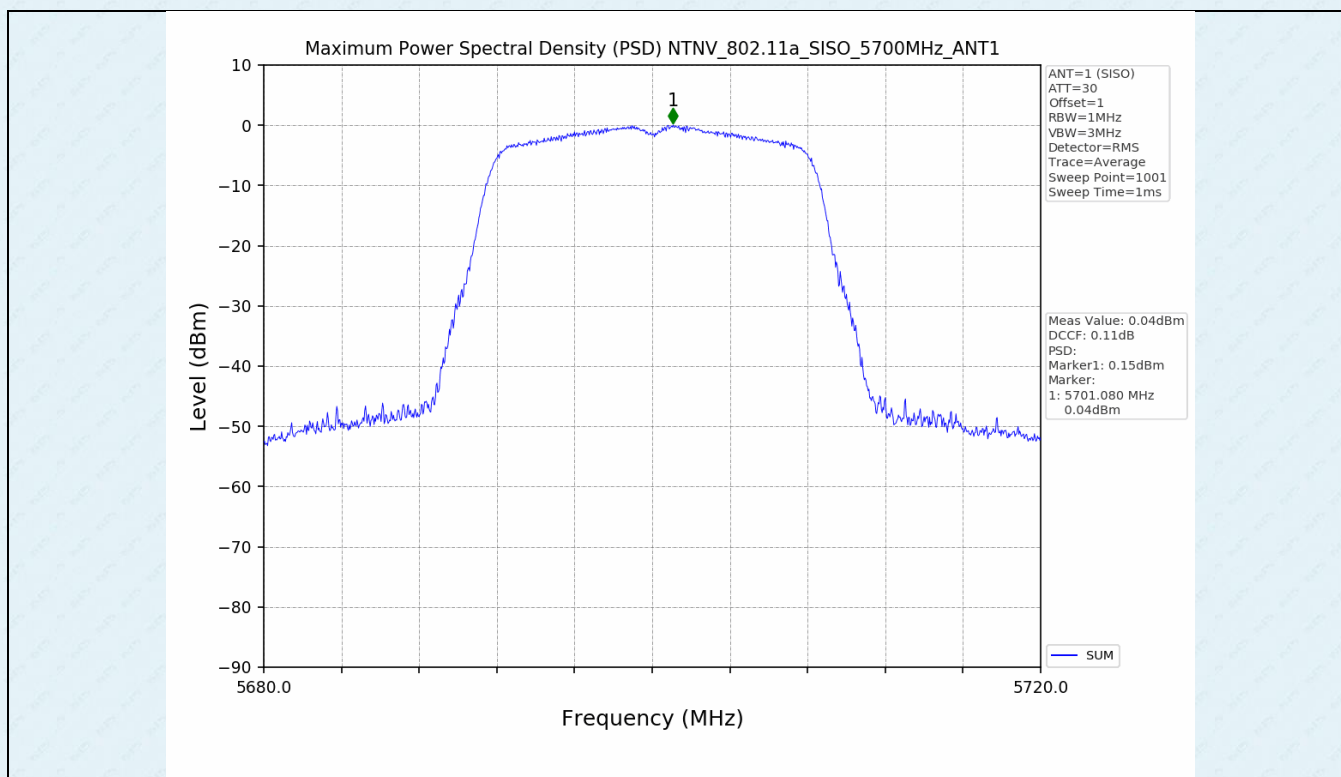
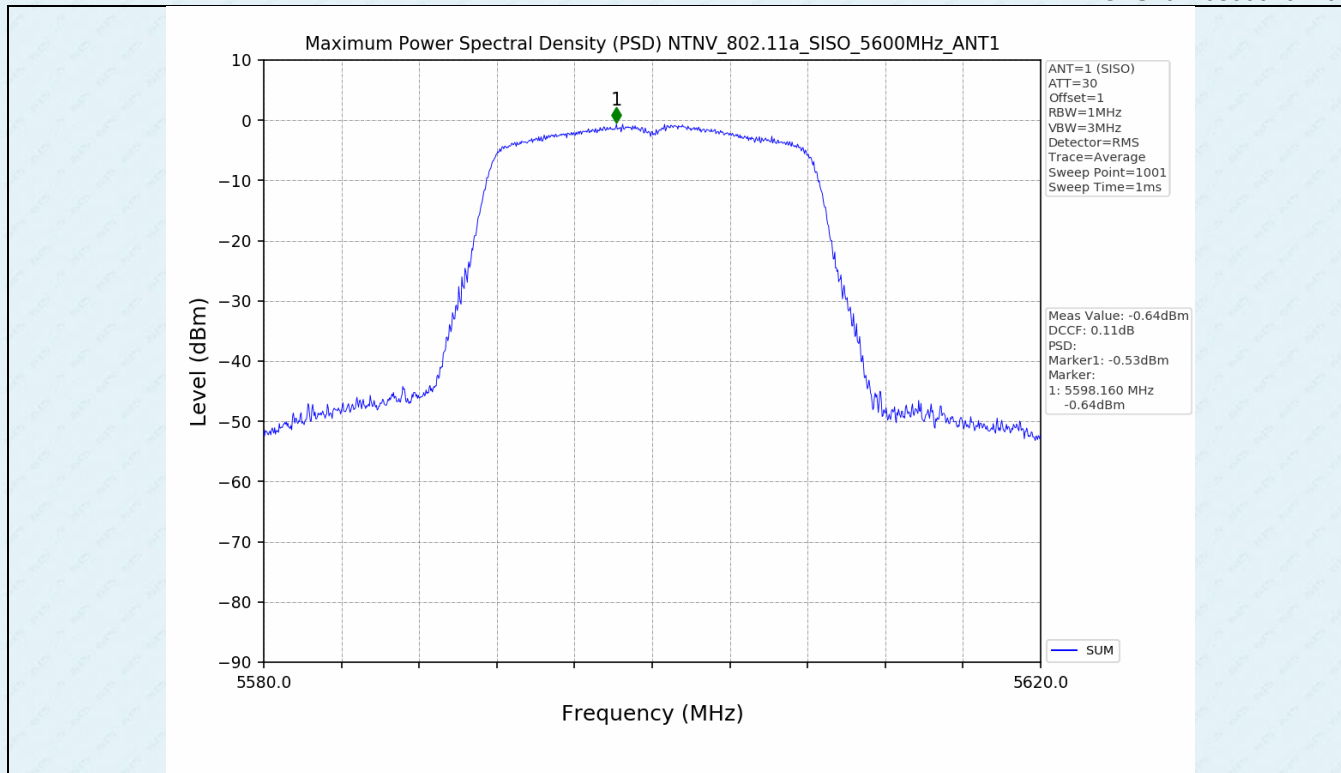
ANT 1:

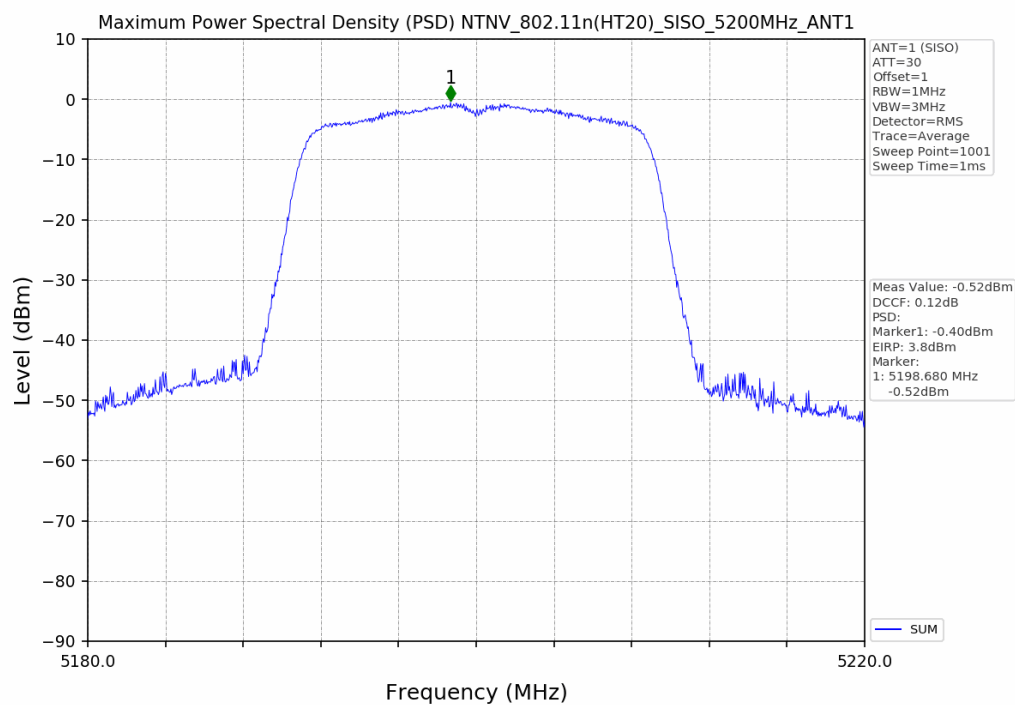
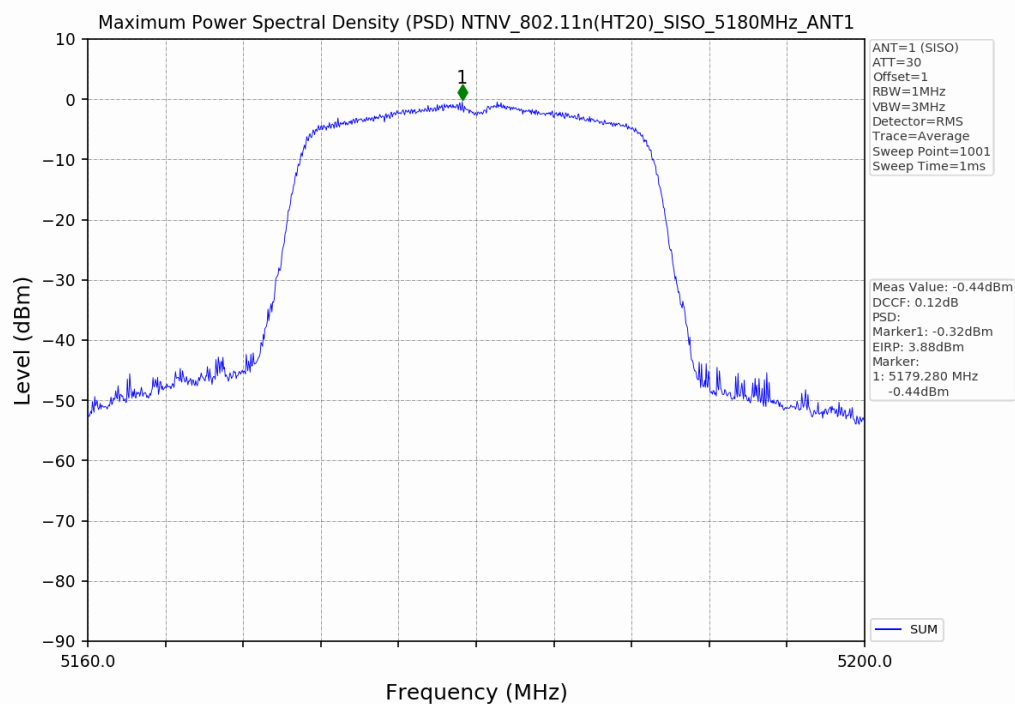


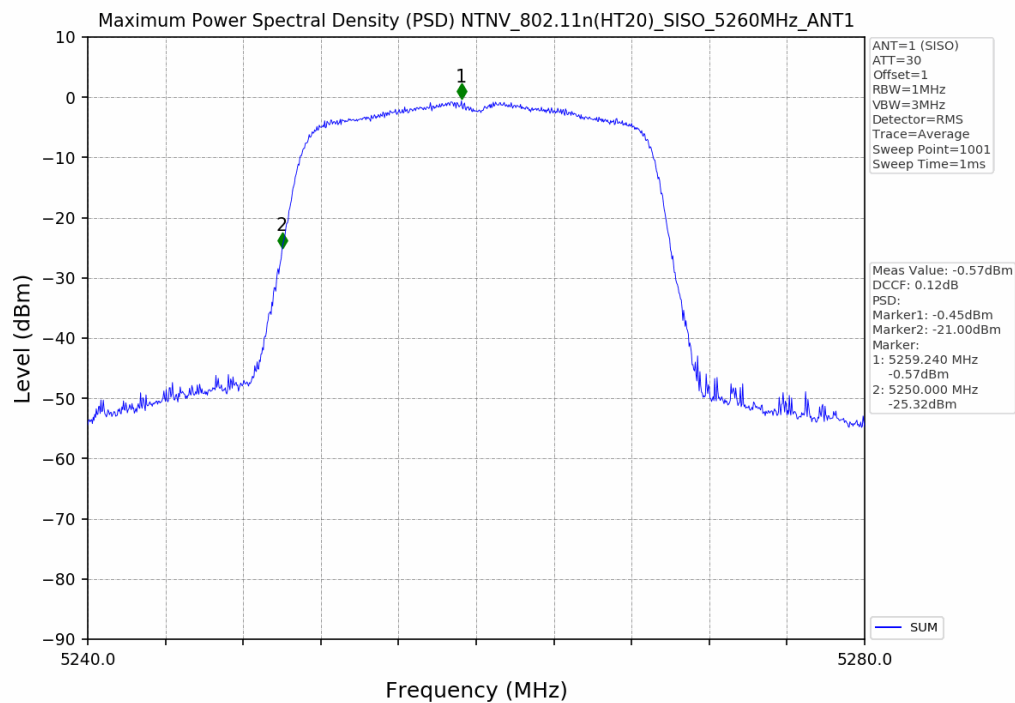
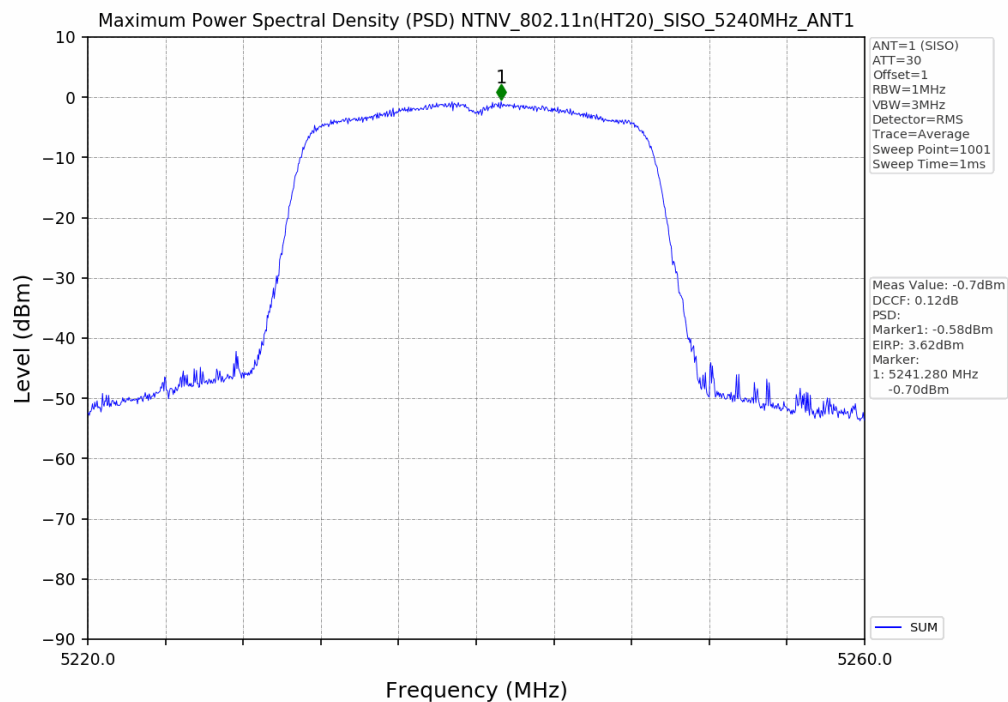


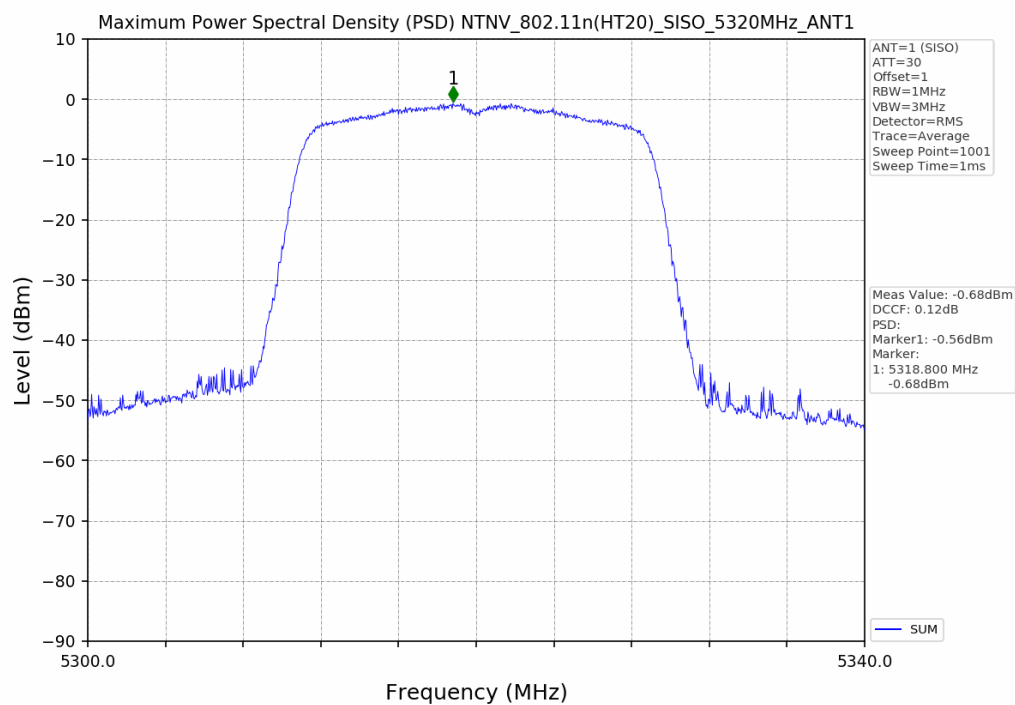
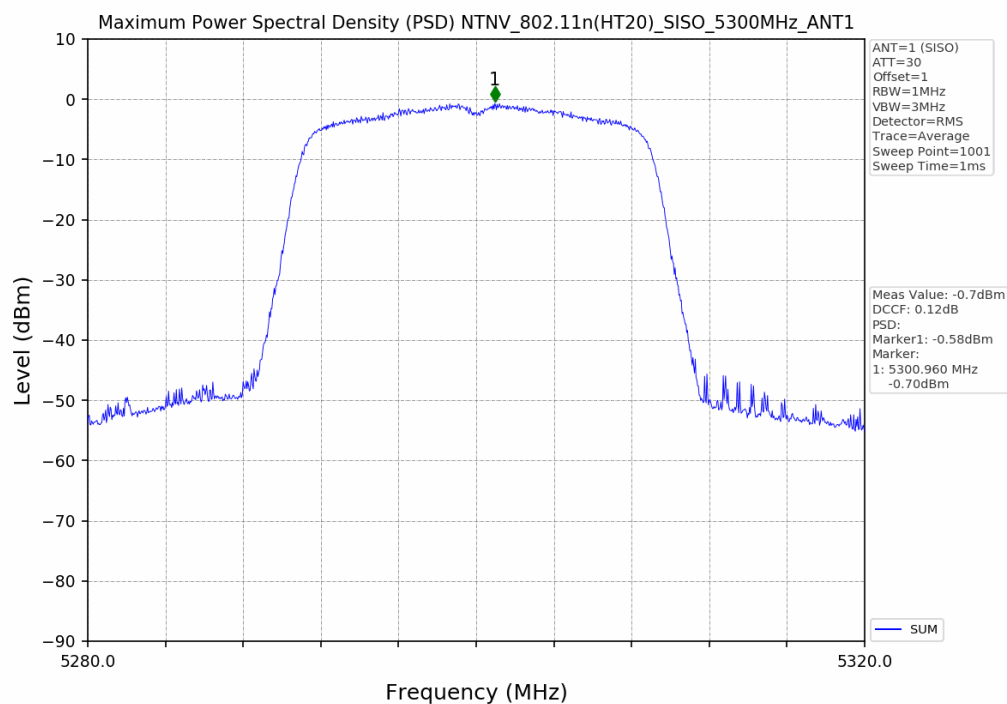


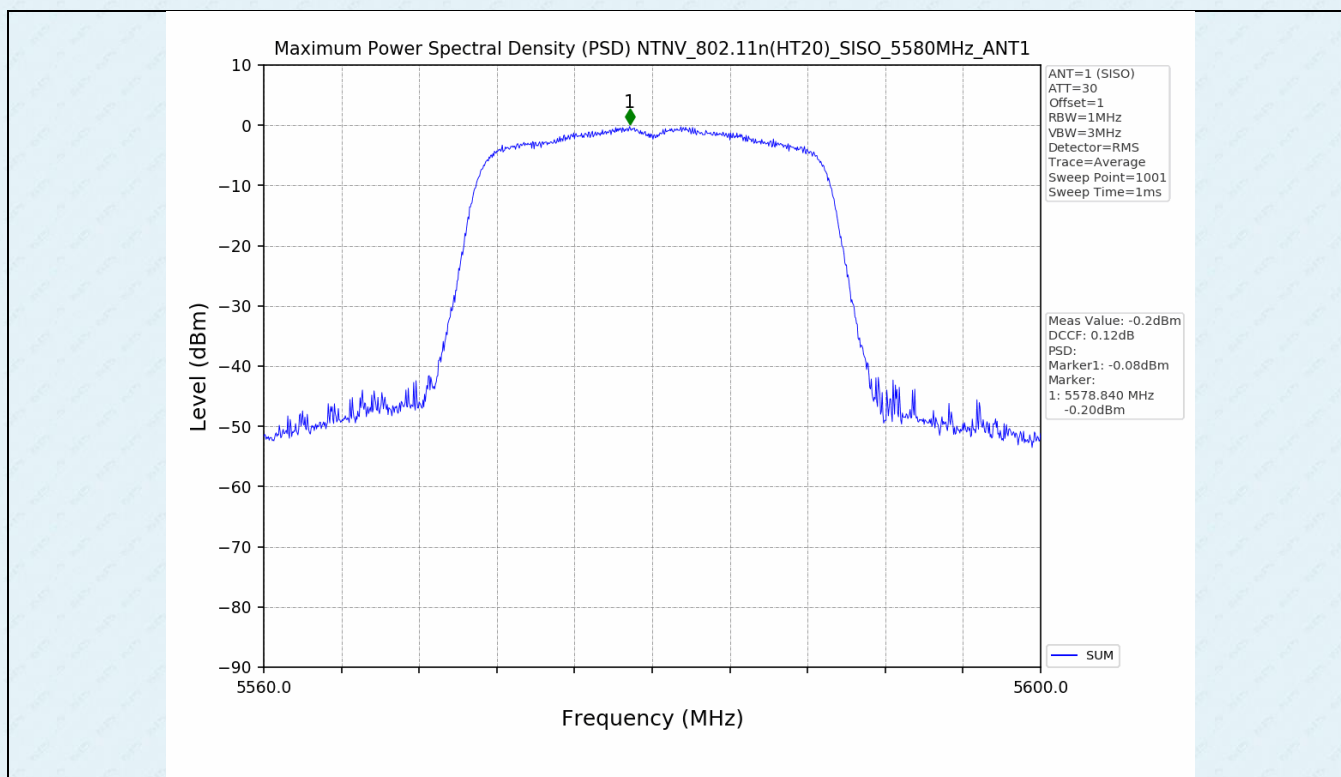
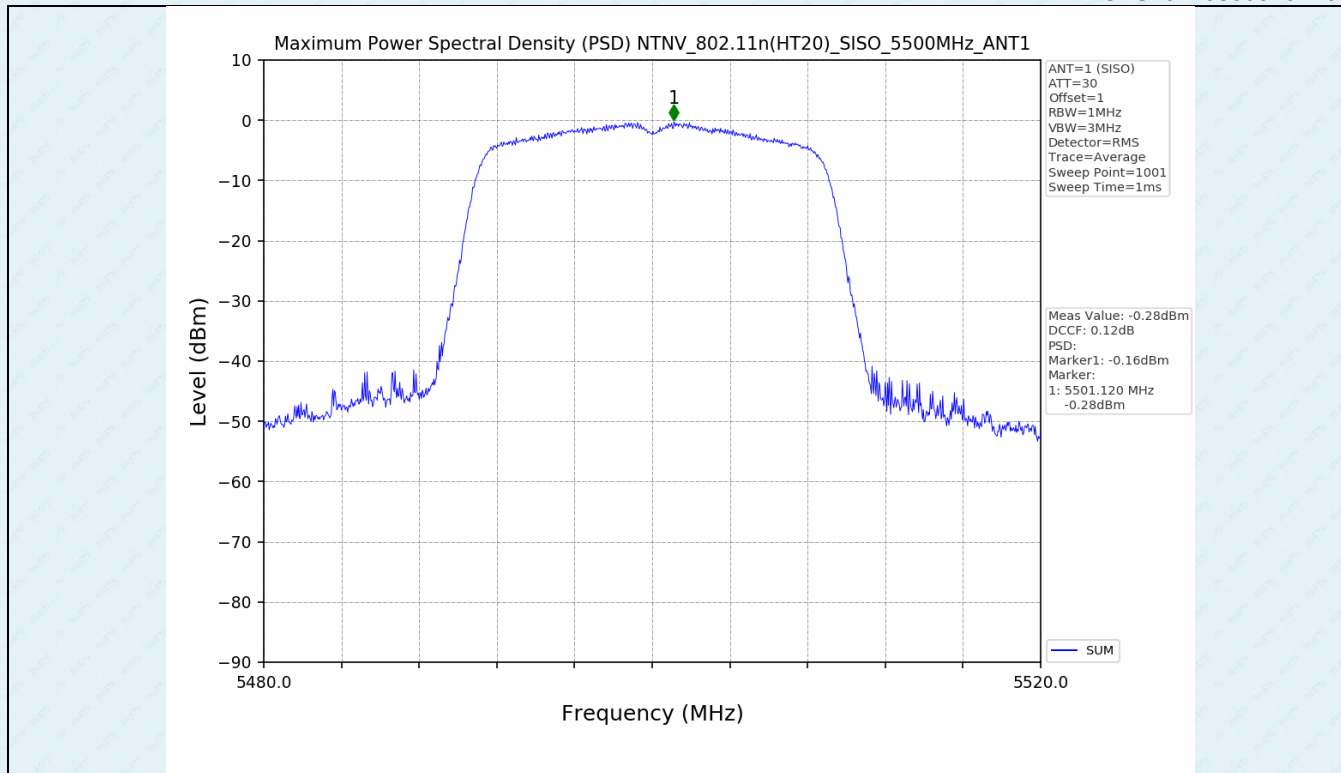


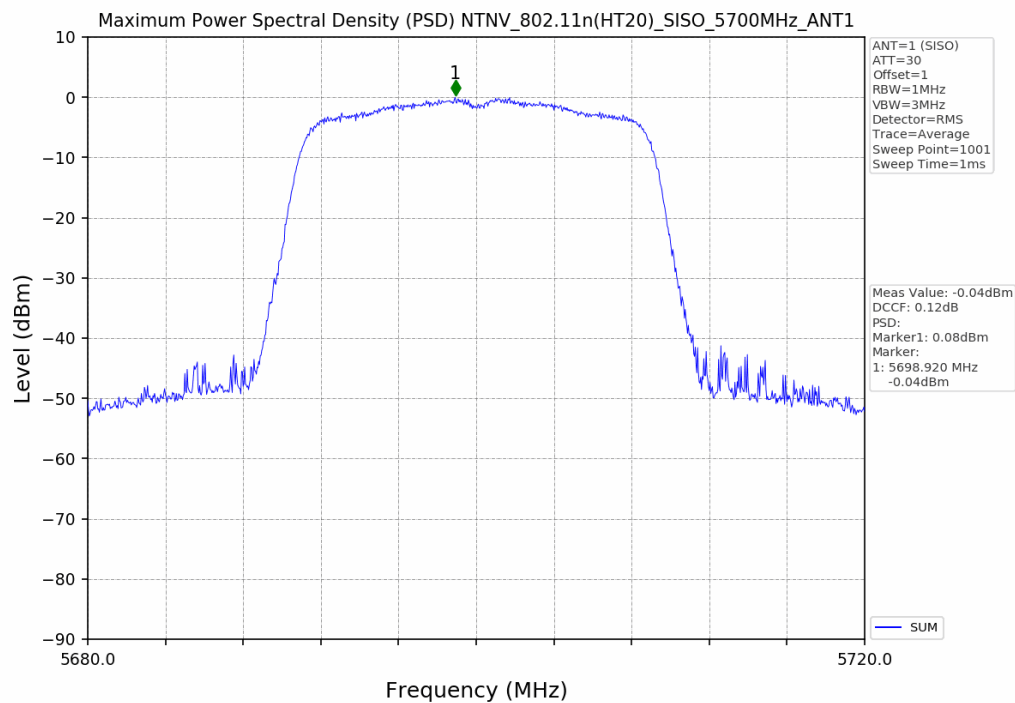
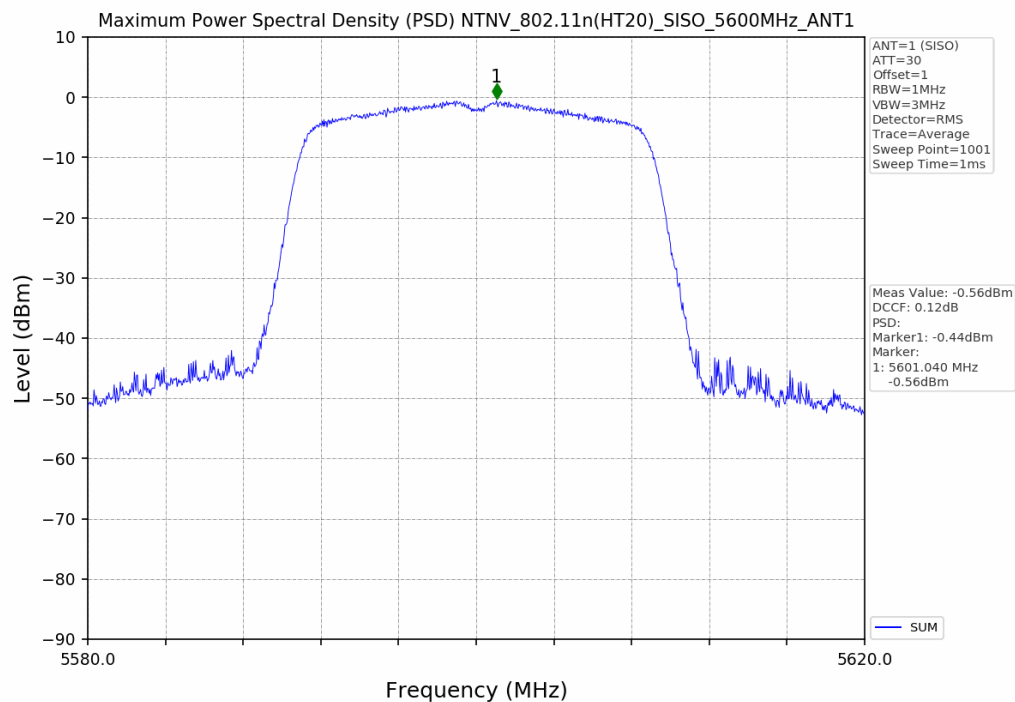


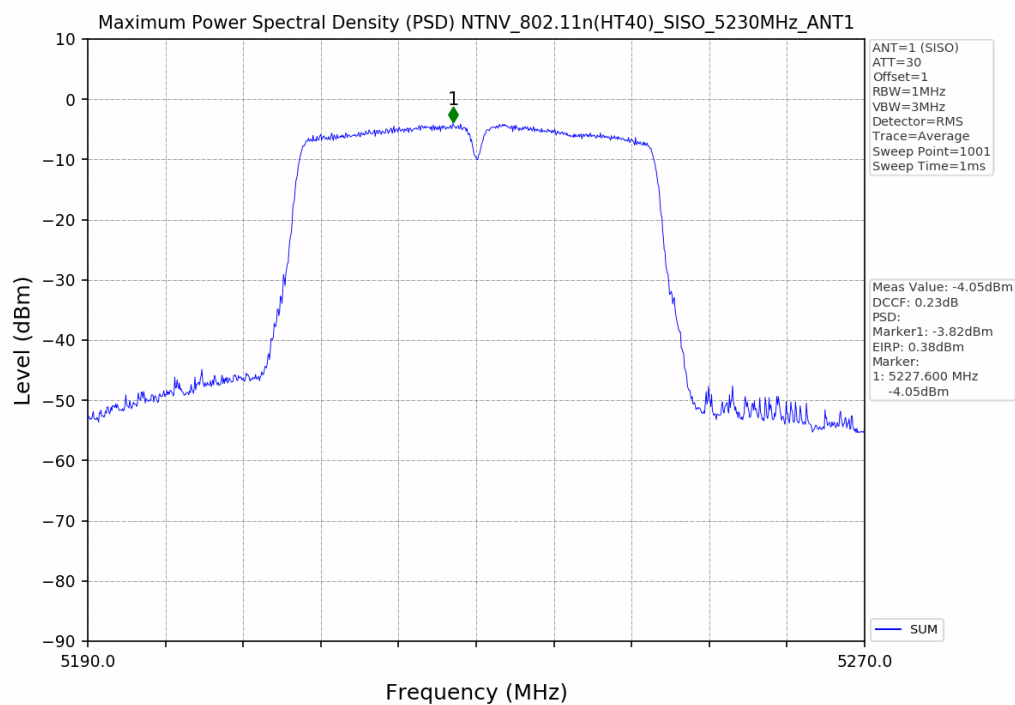
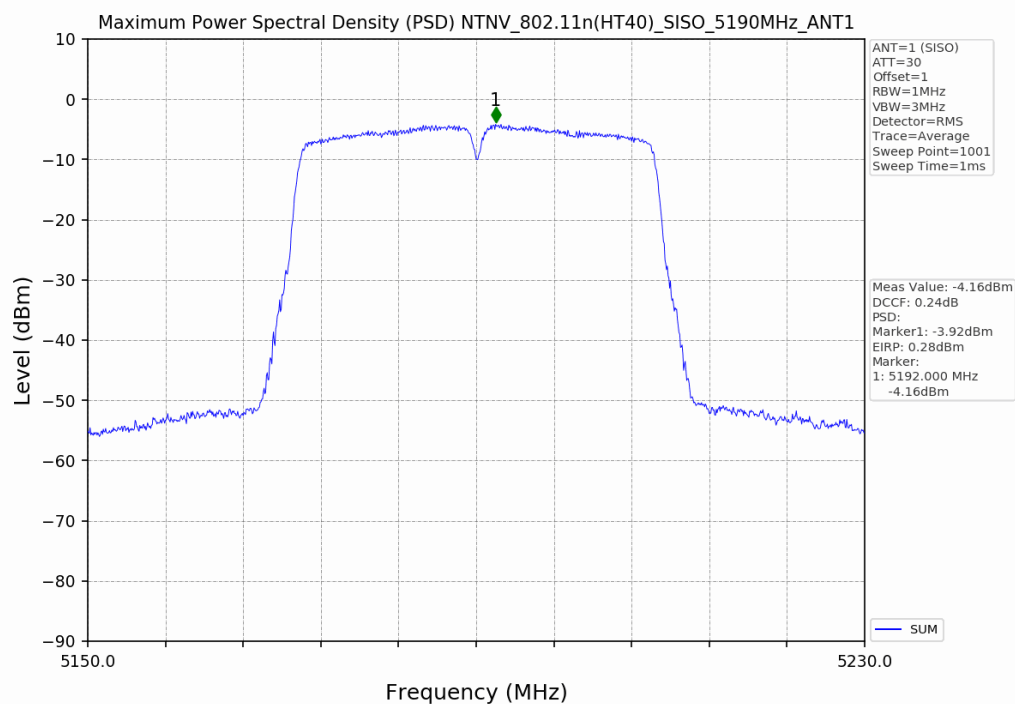


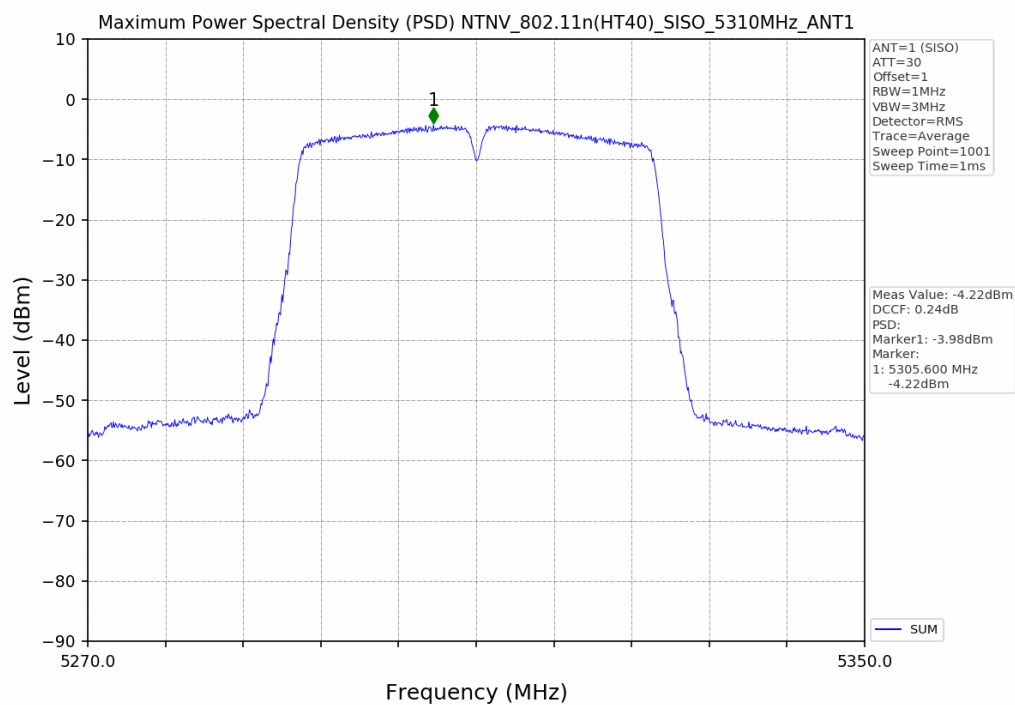
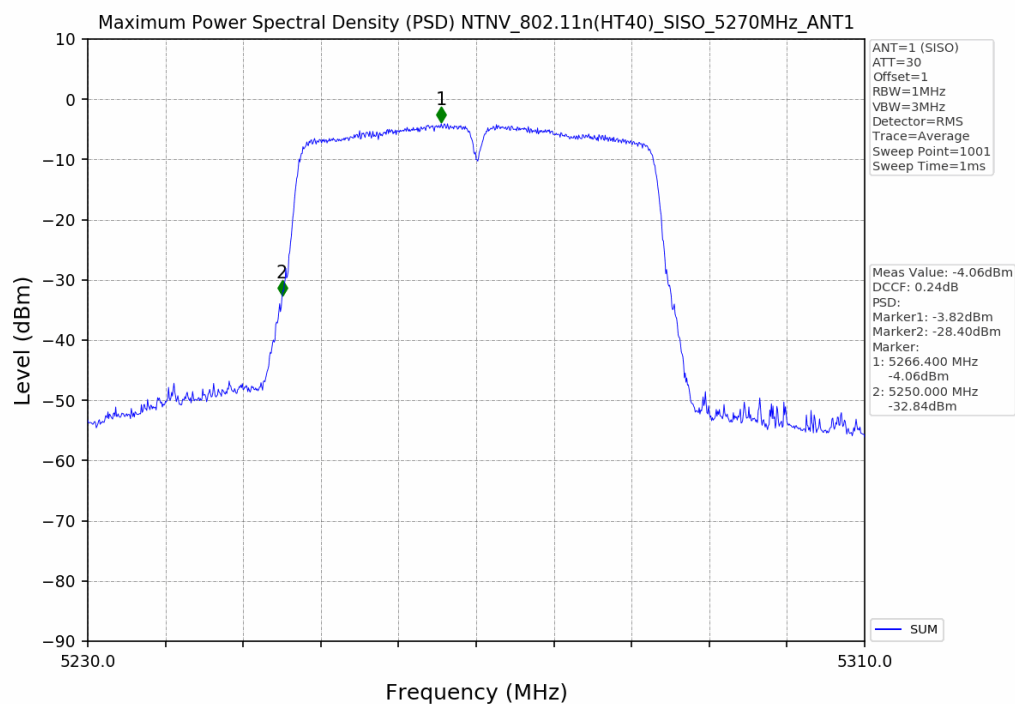


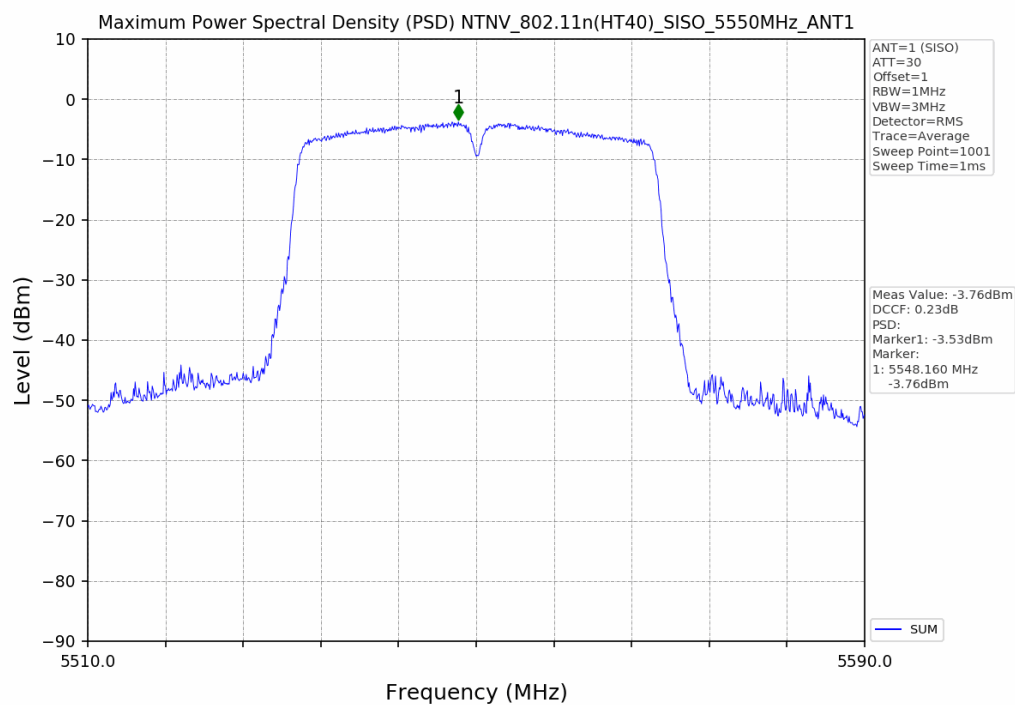
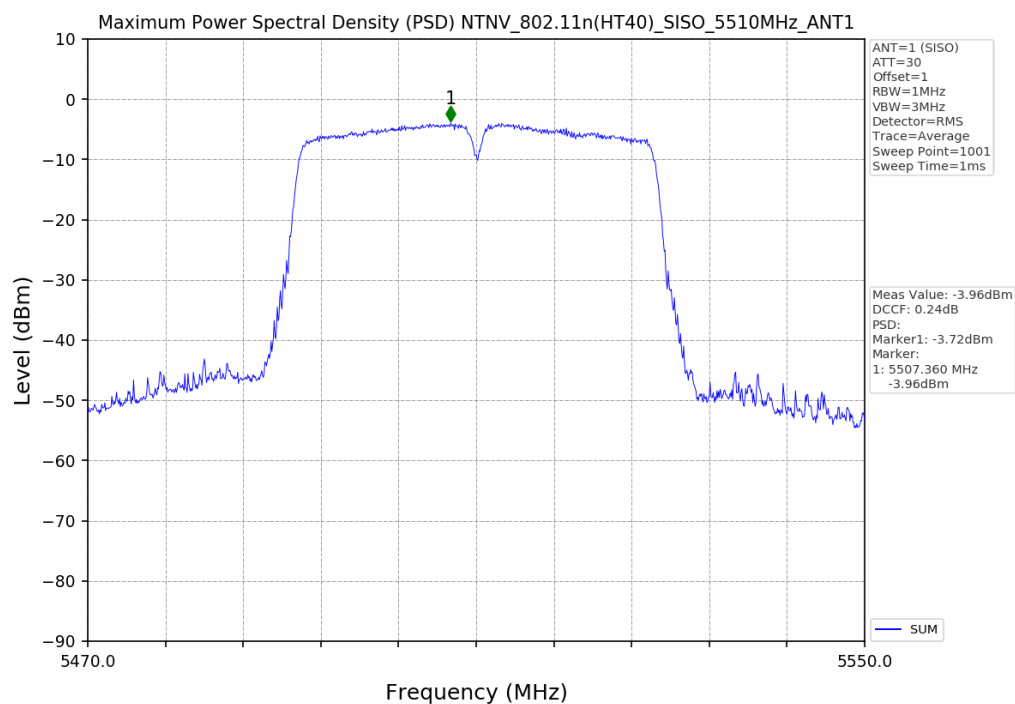


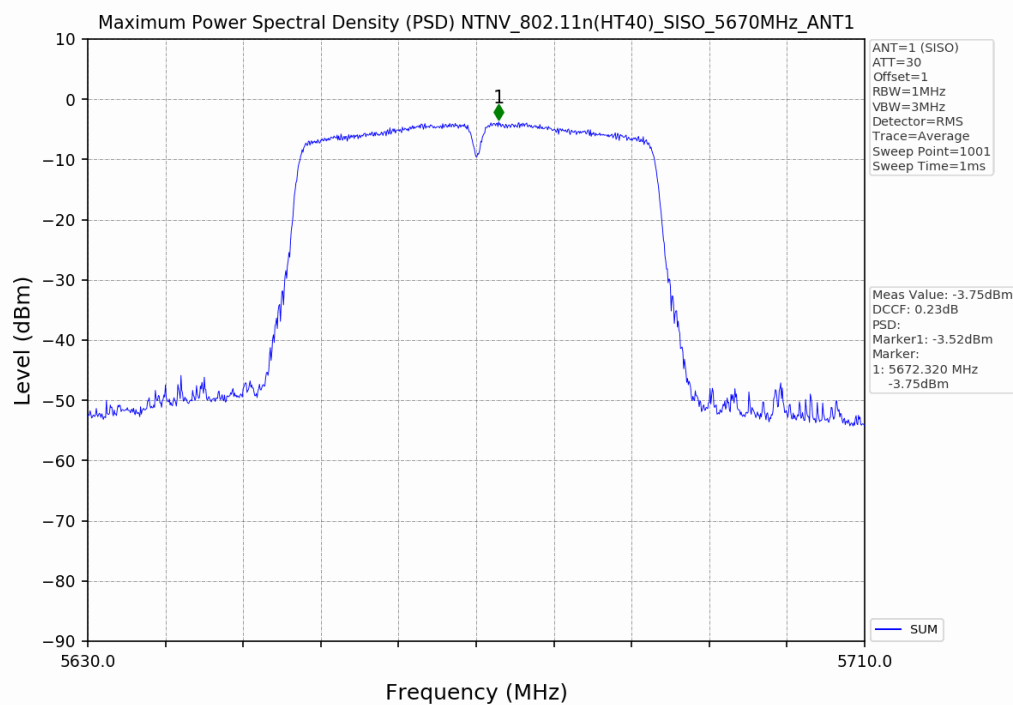
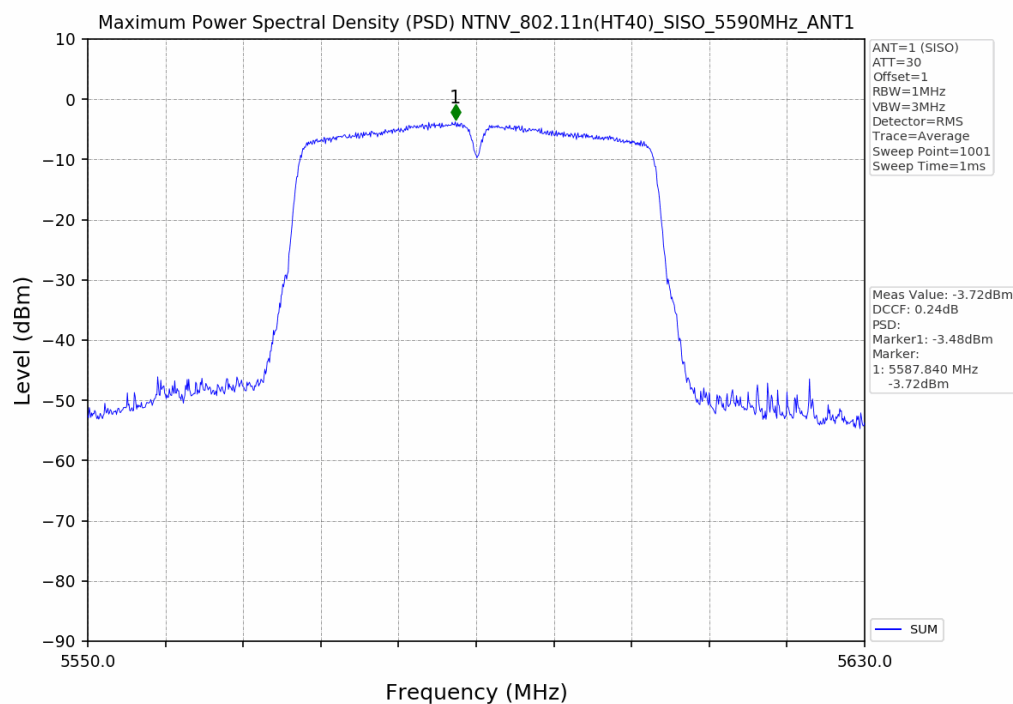


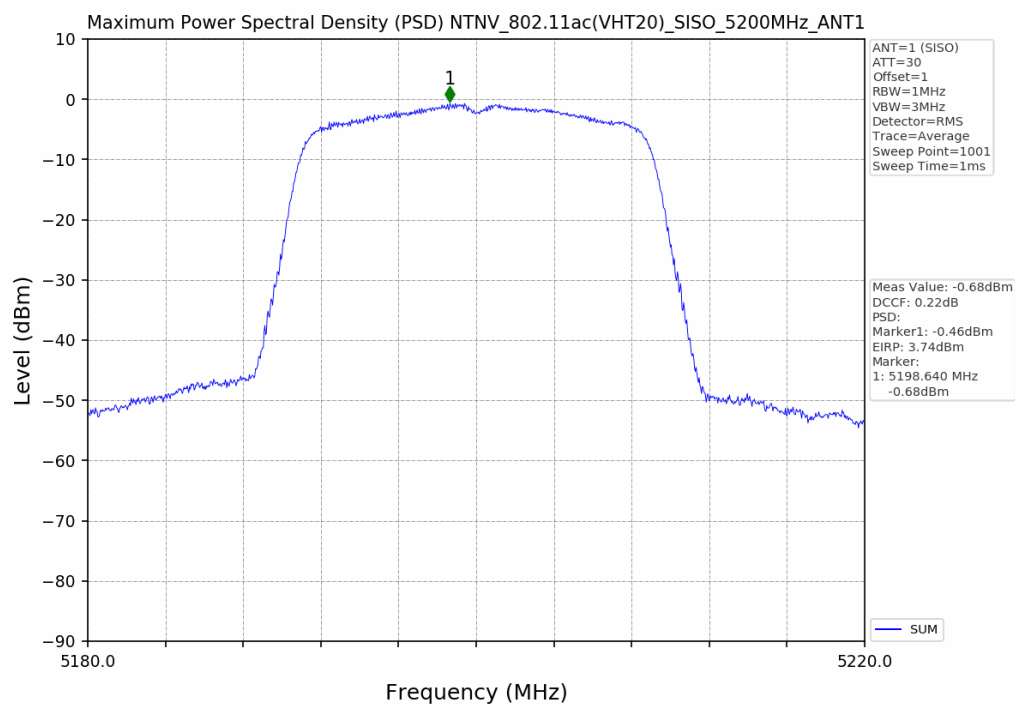
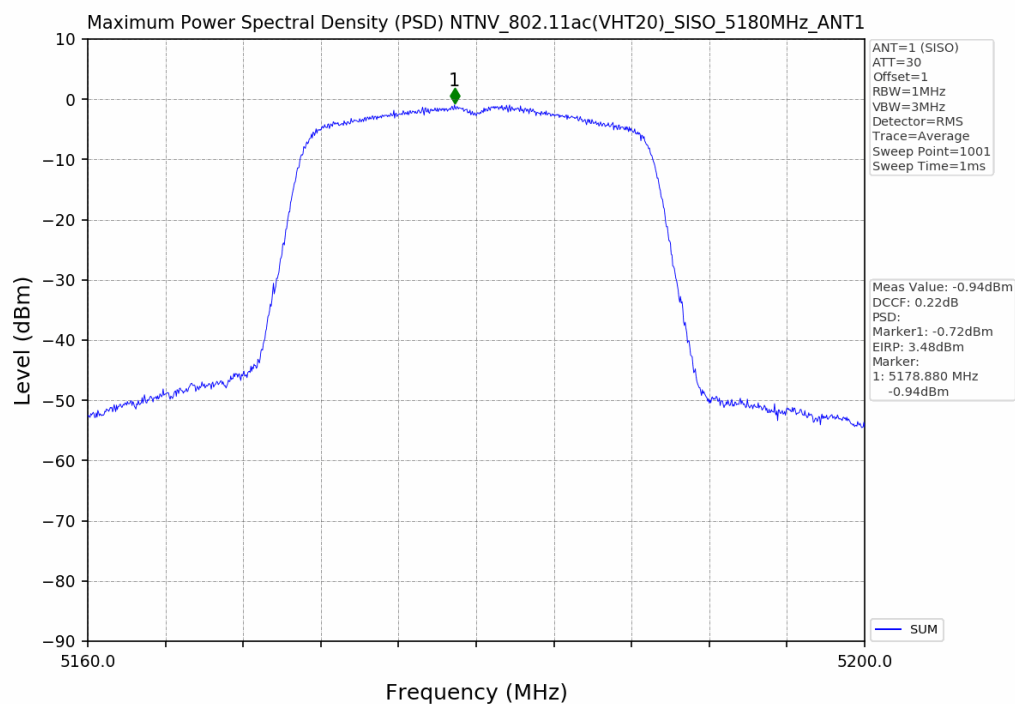


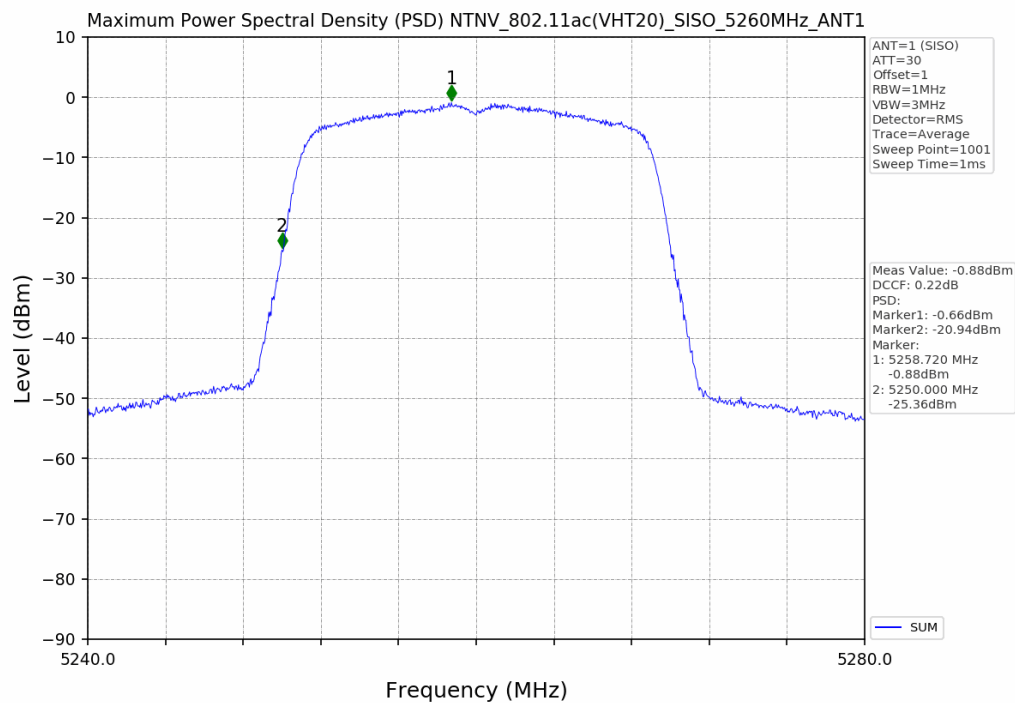
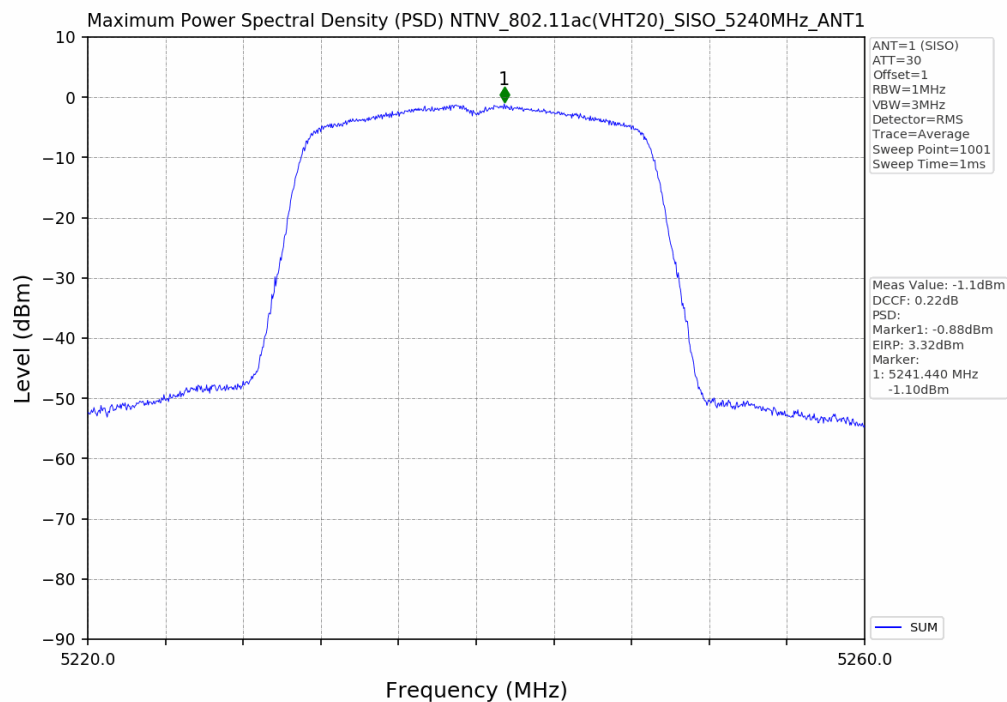


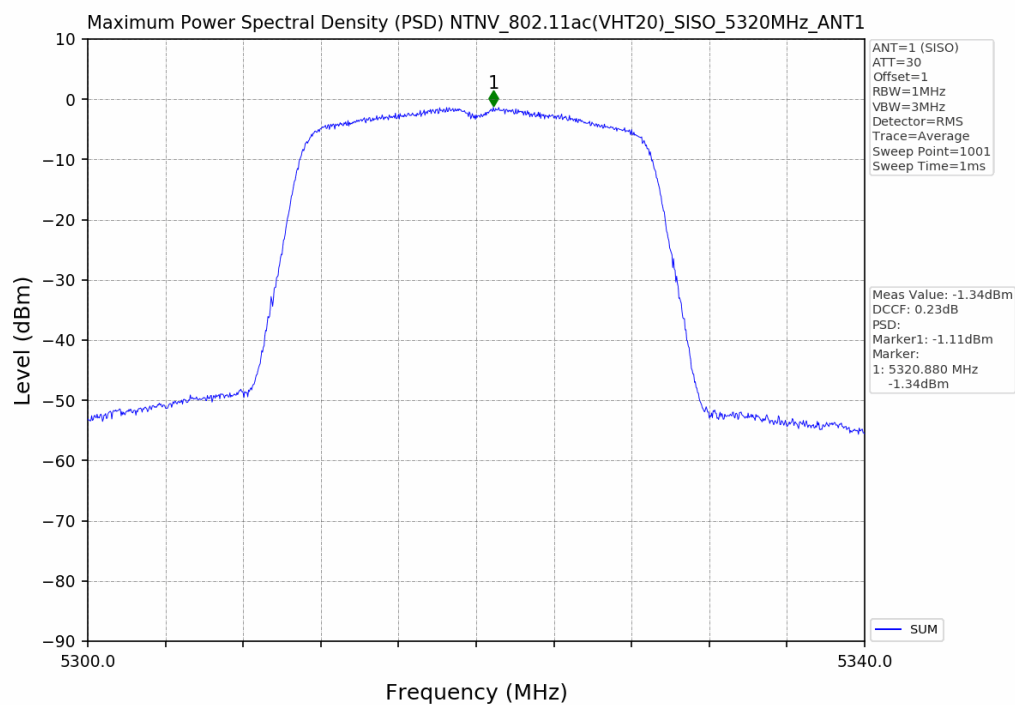
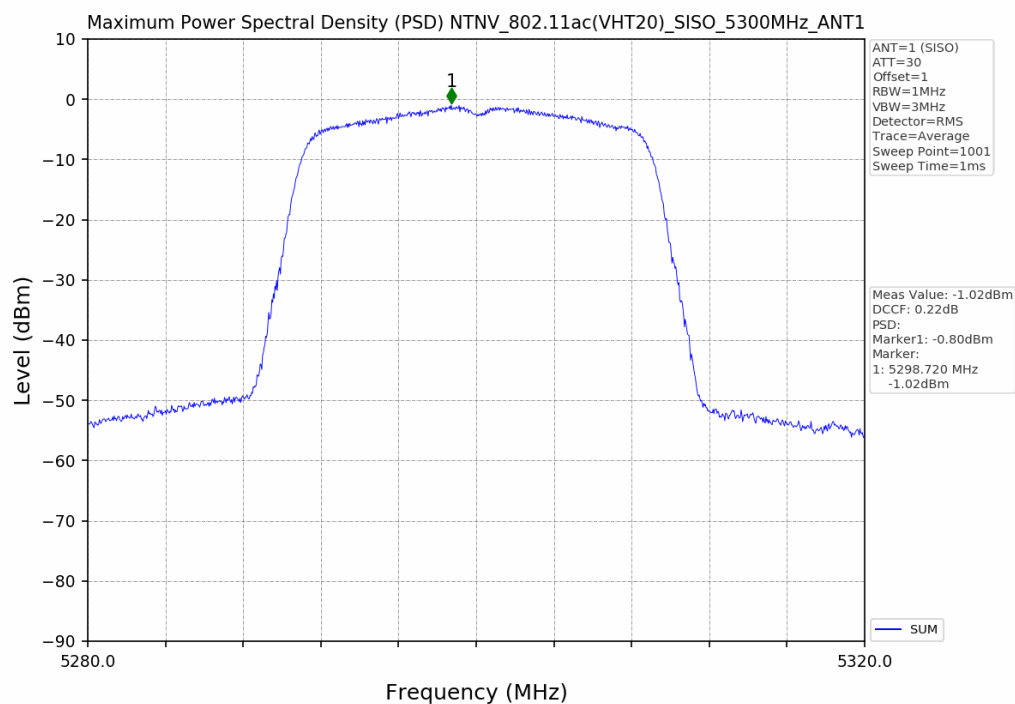


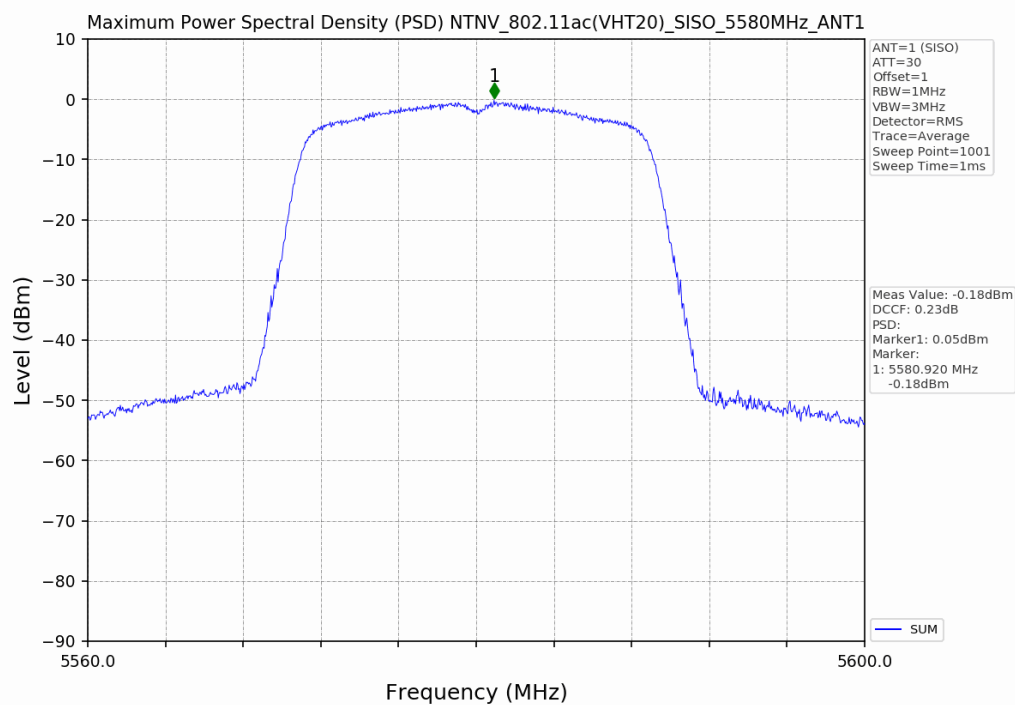
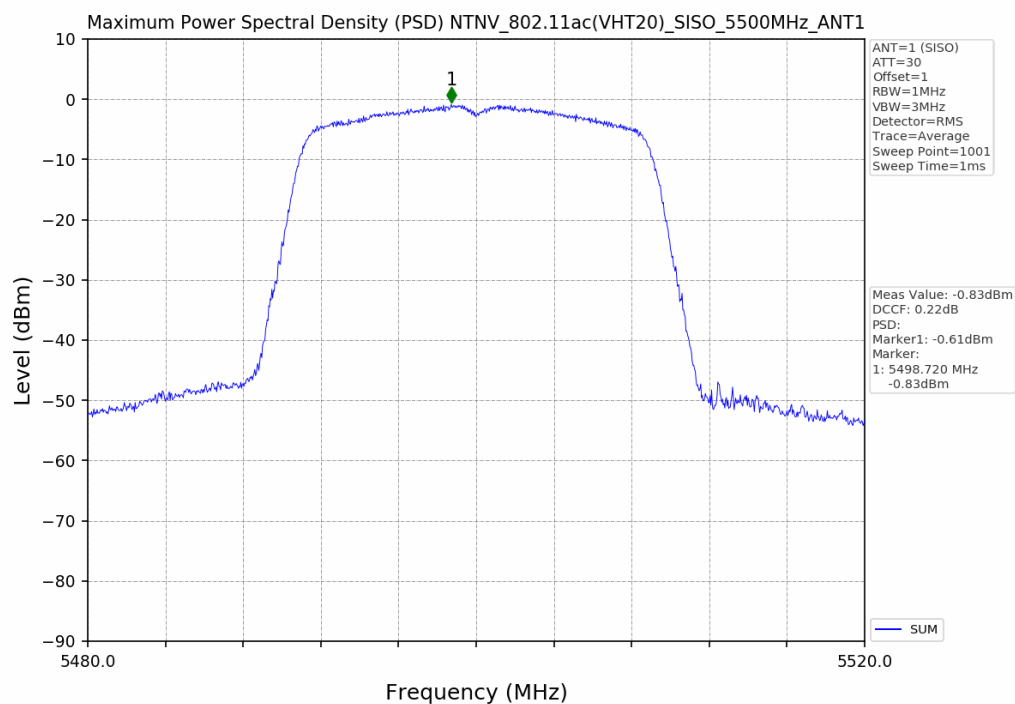


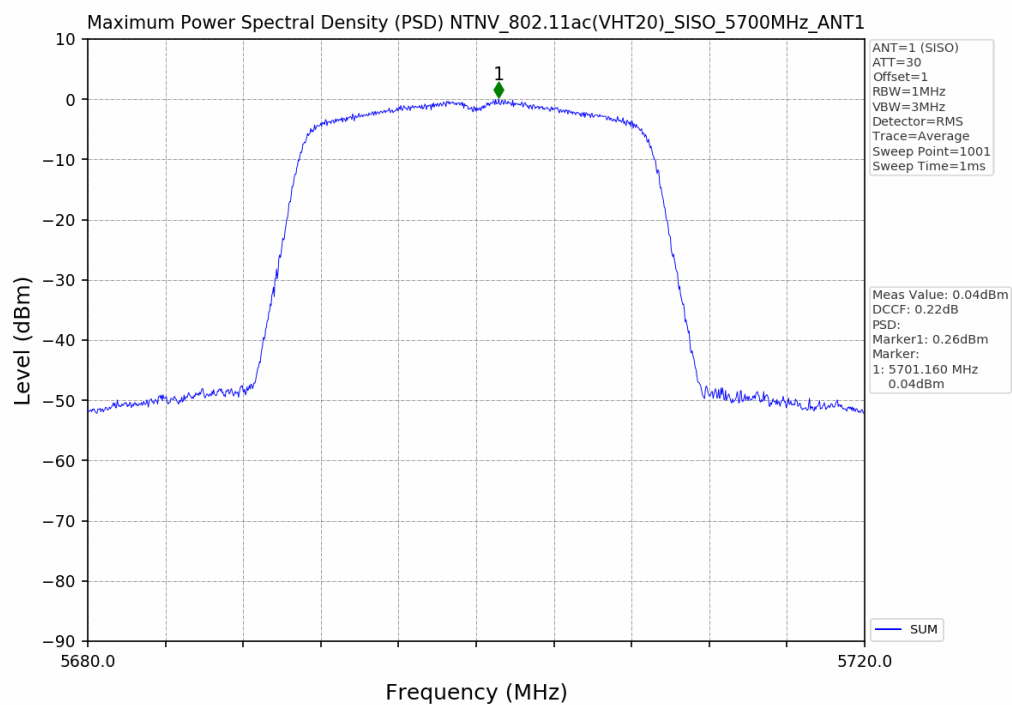
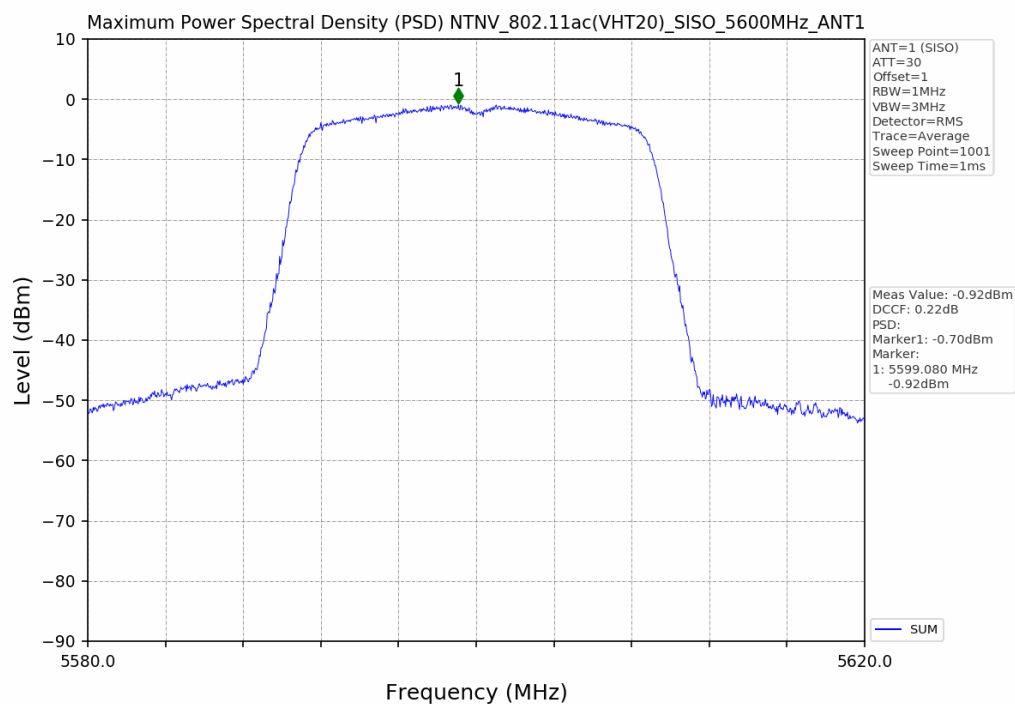


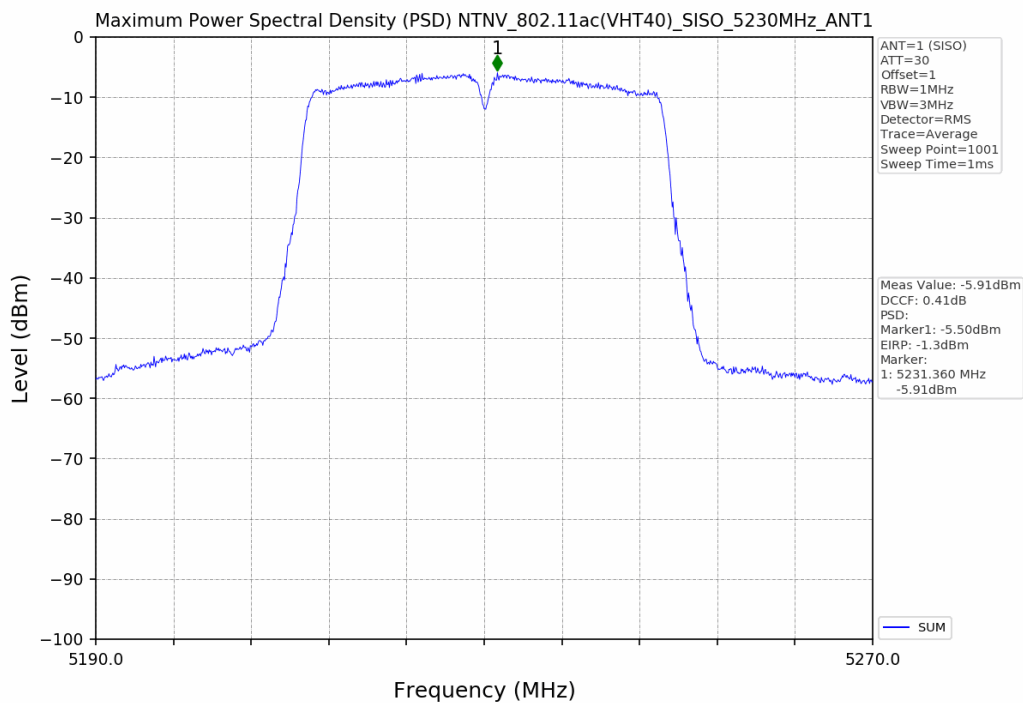
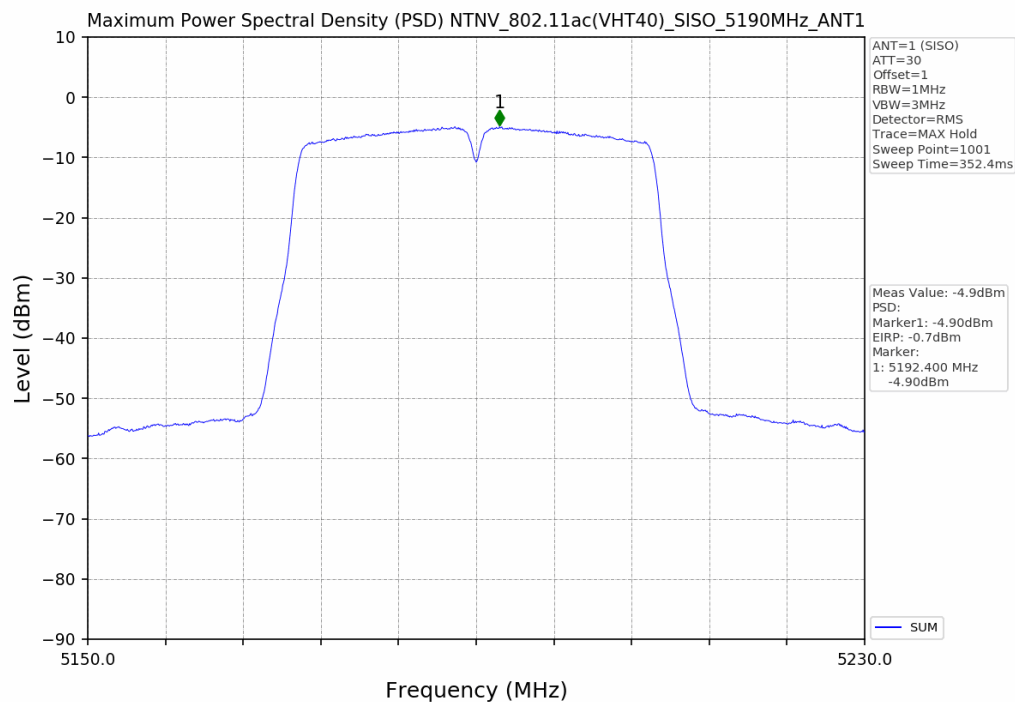


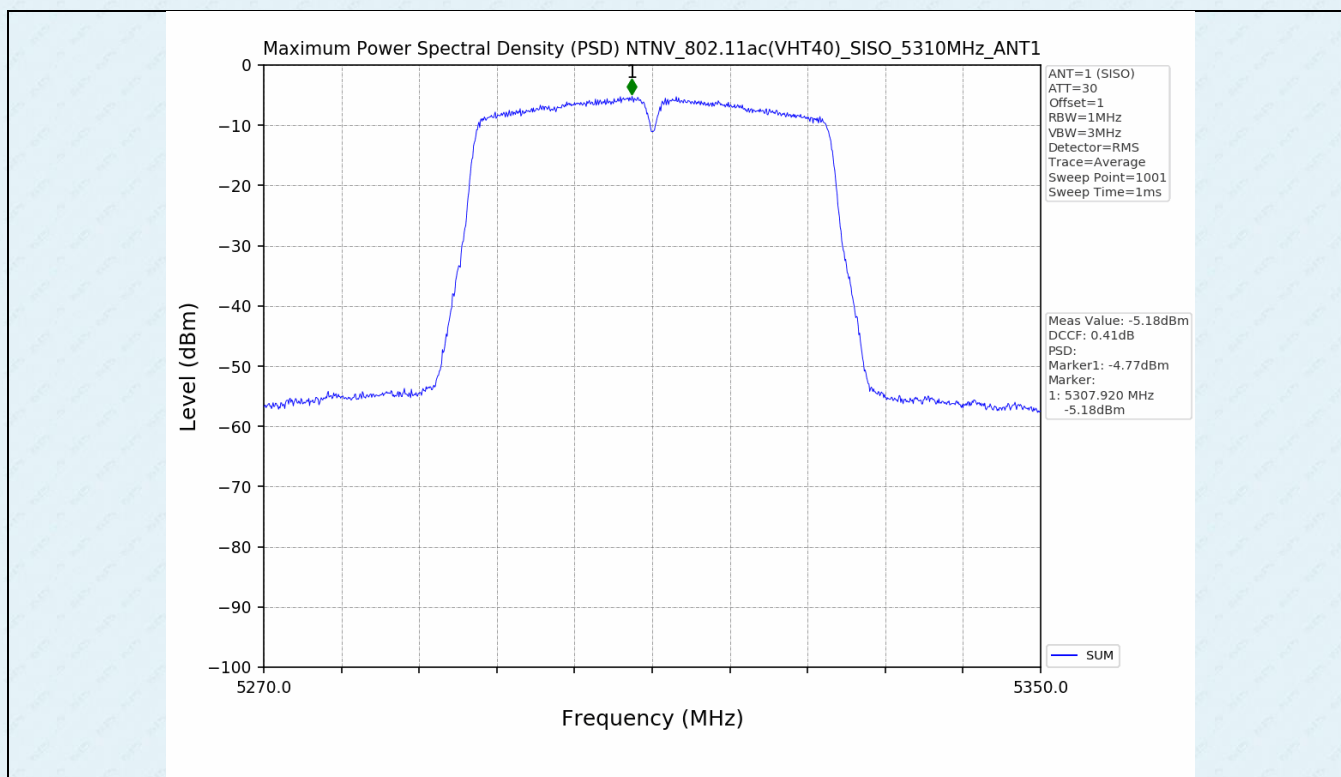
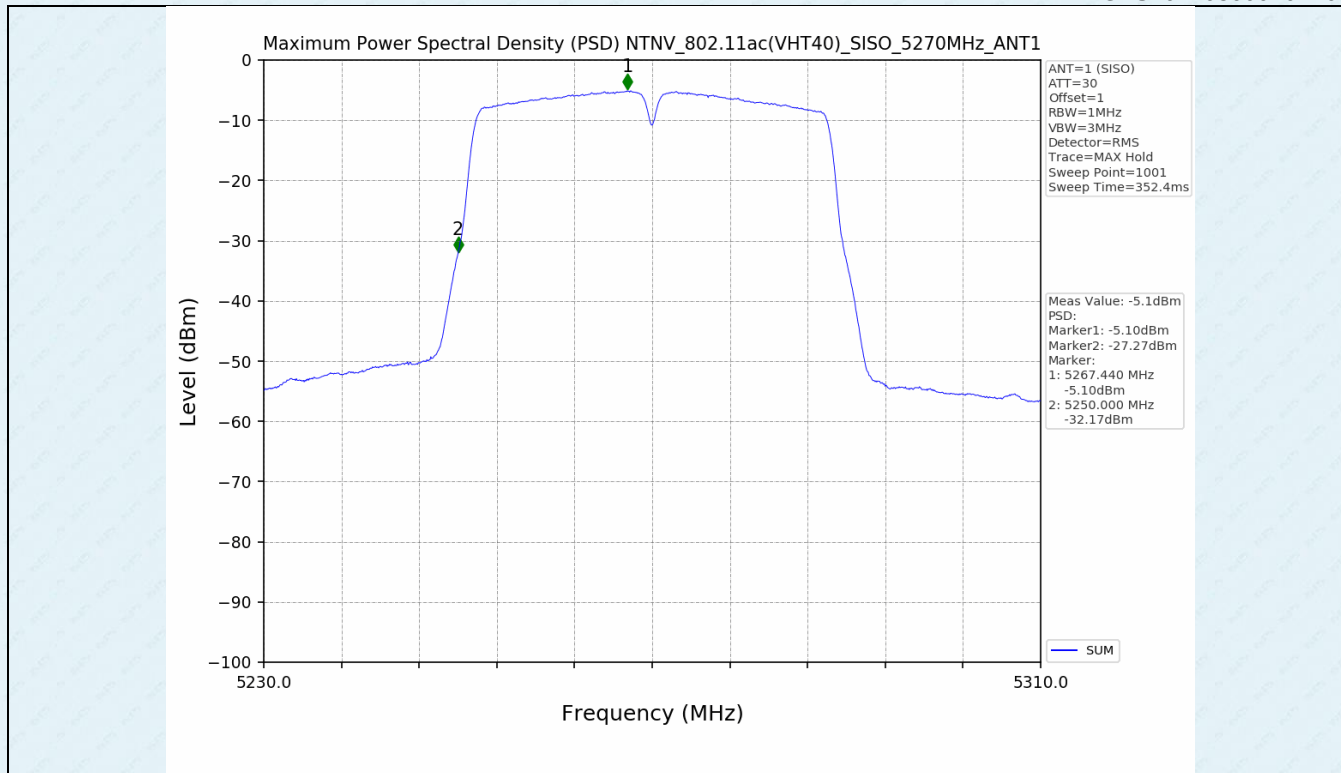


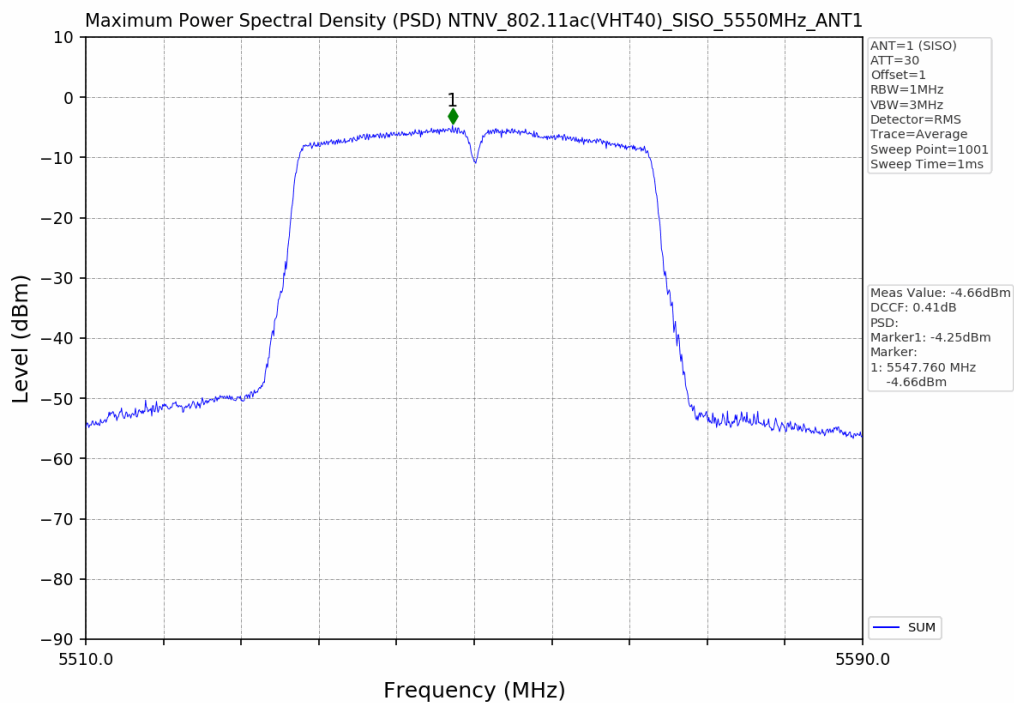
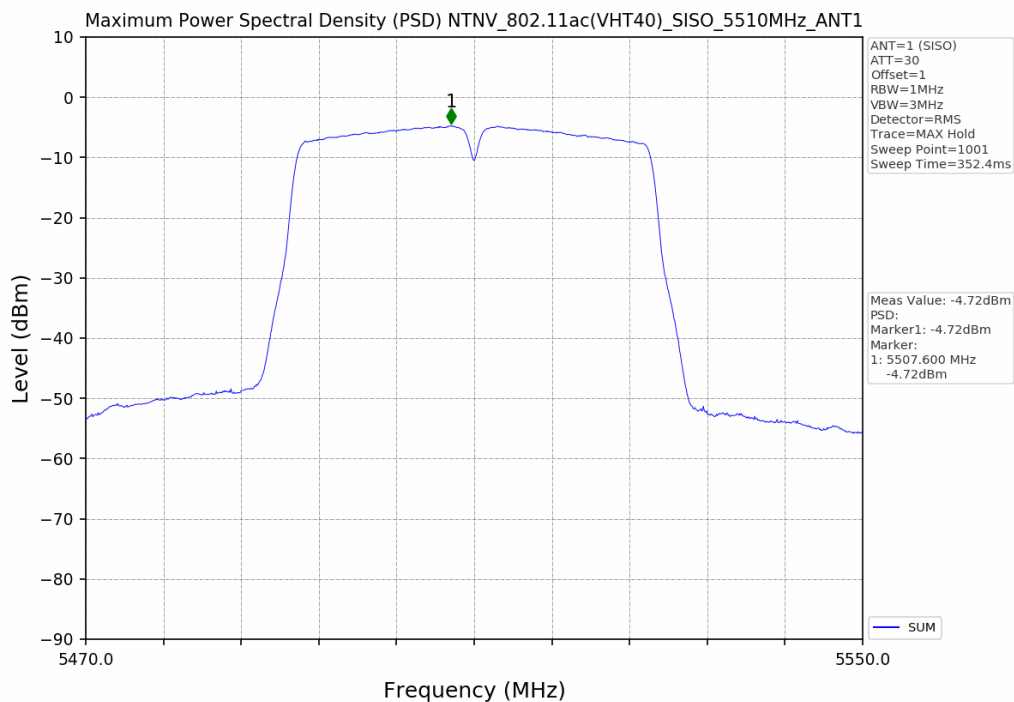


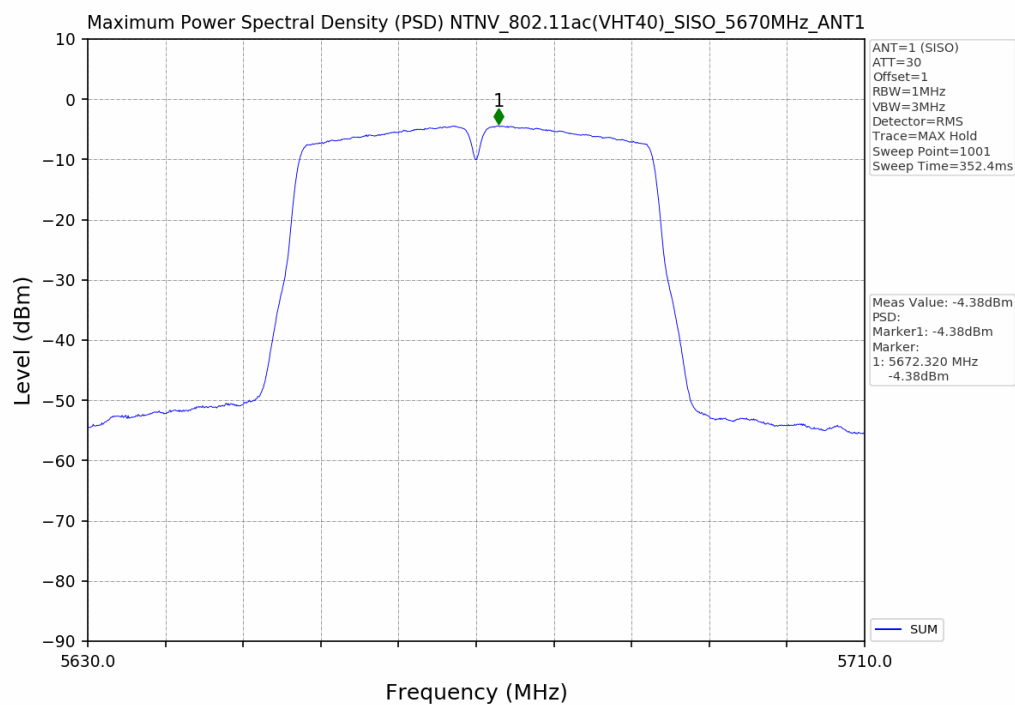
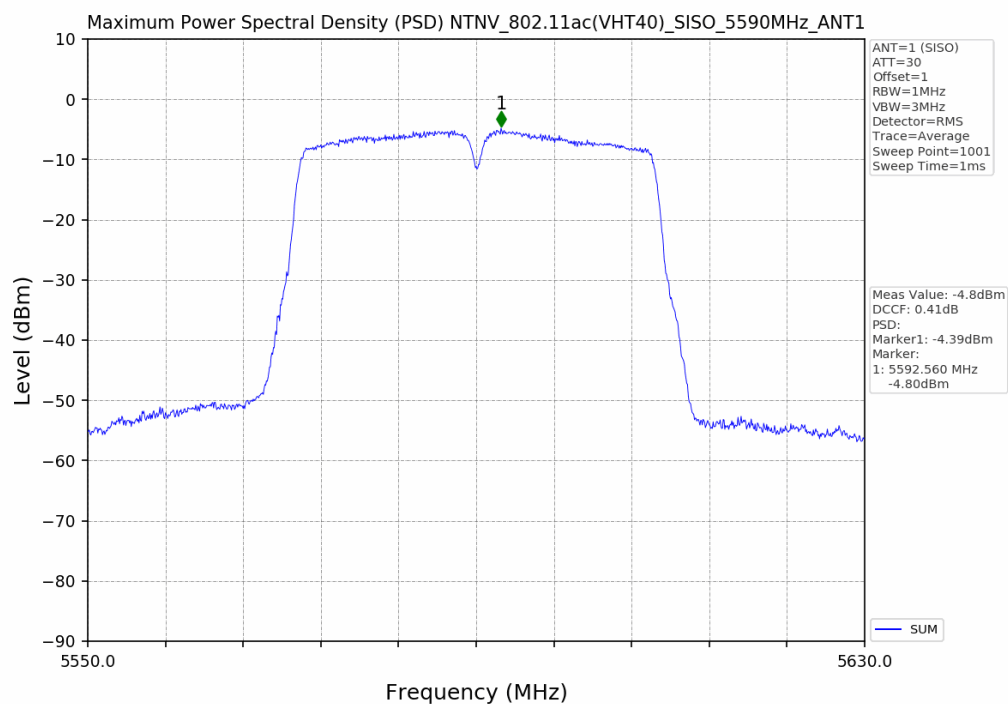


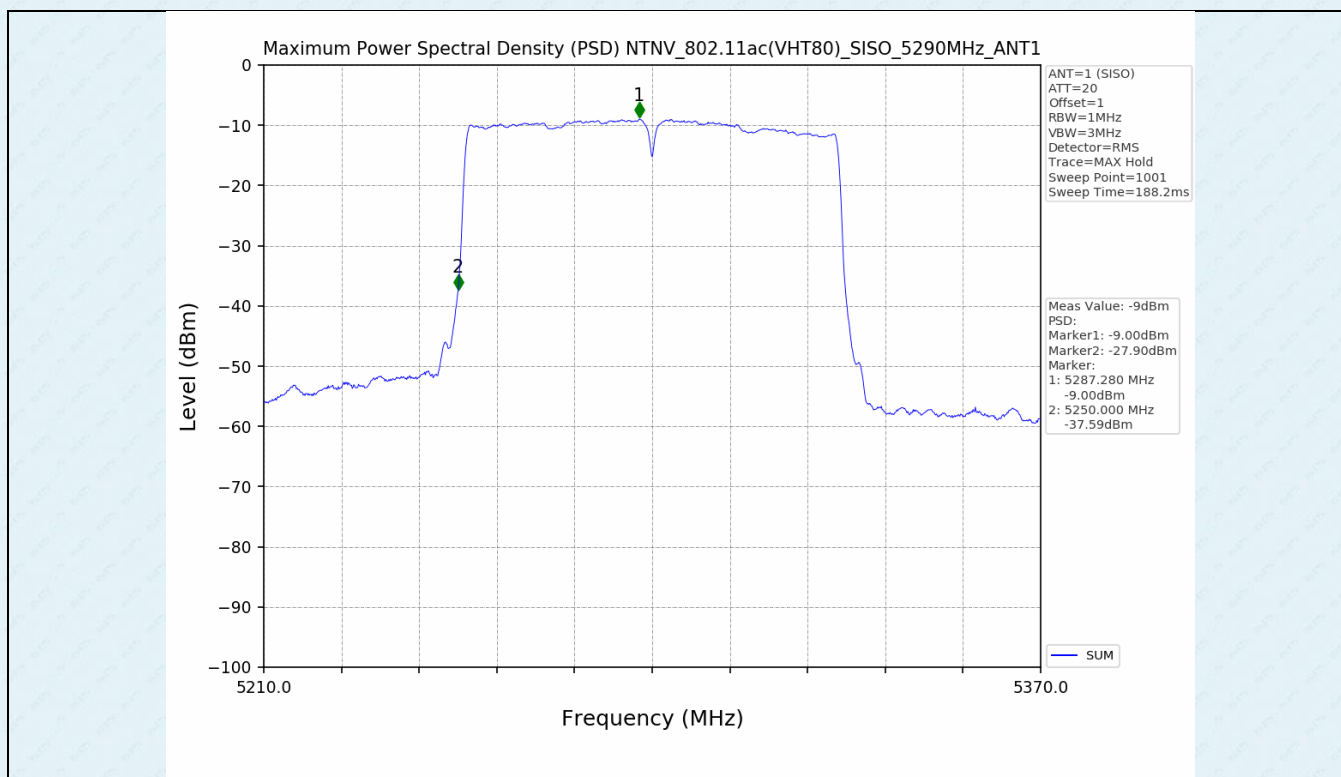
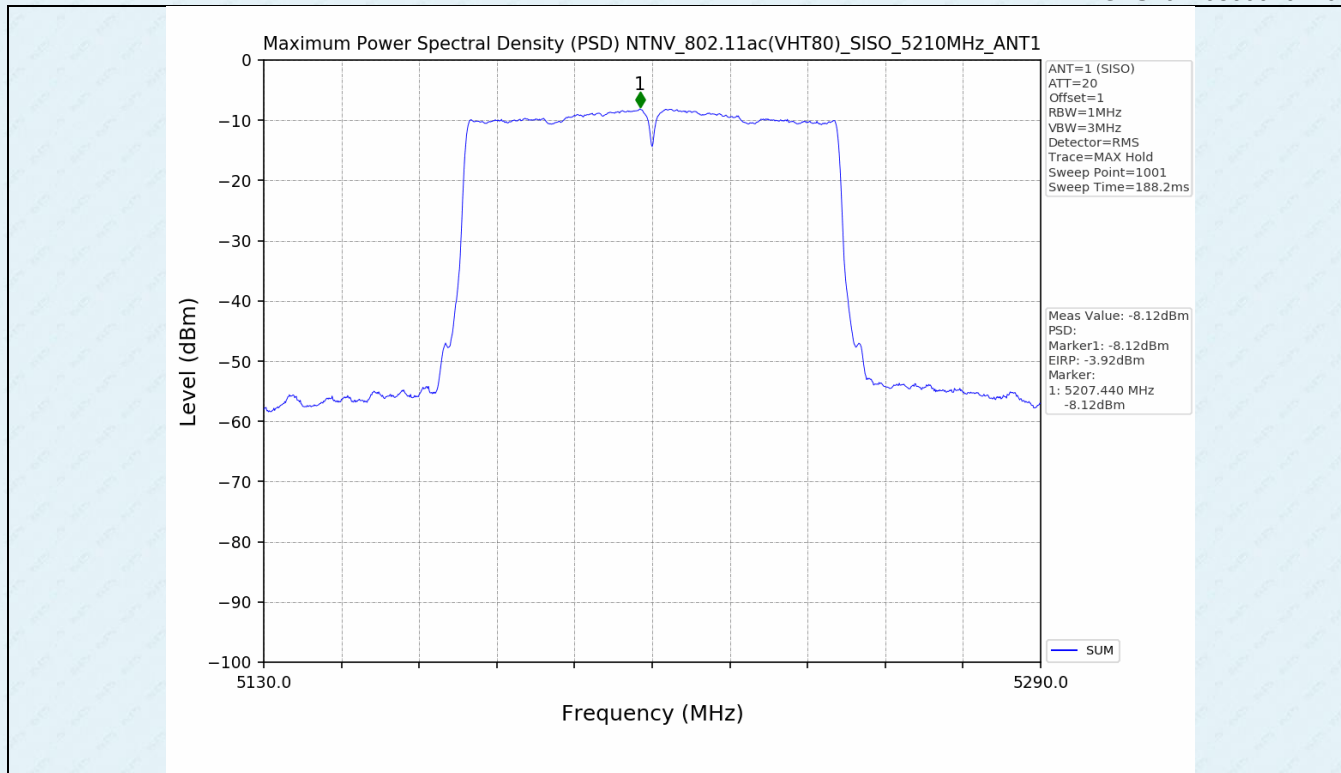


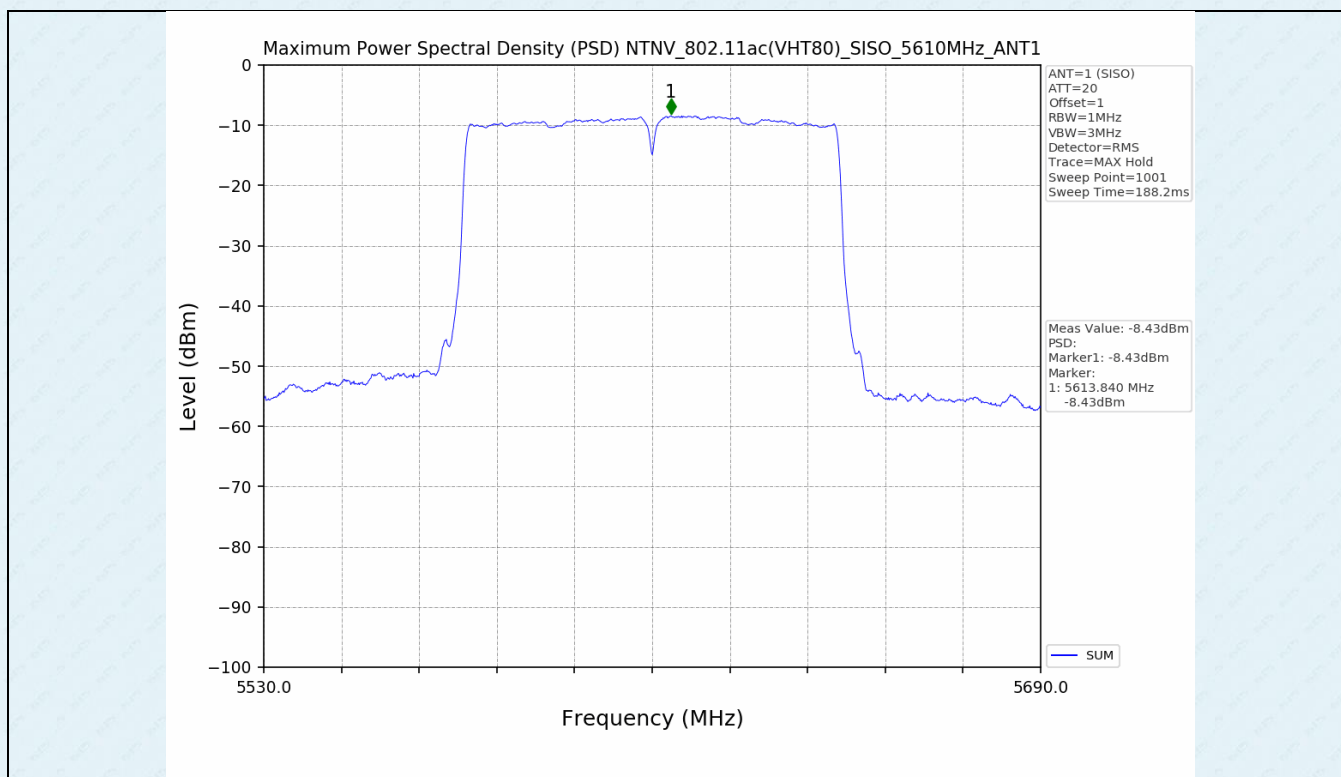
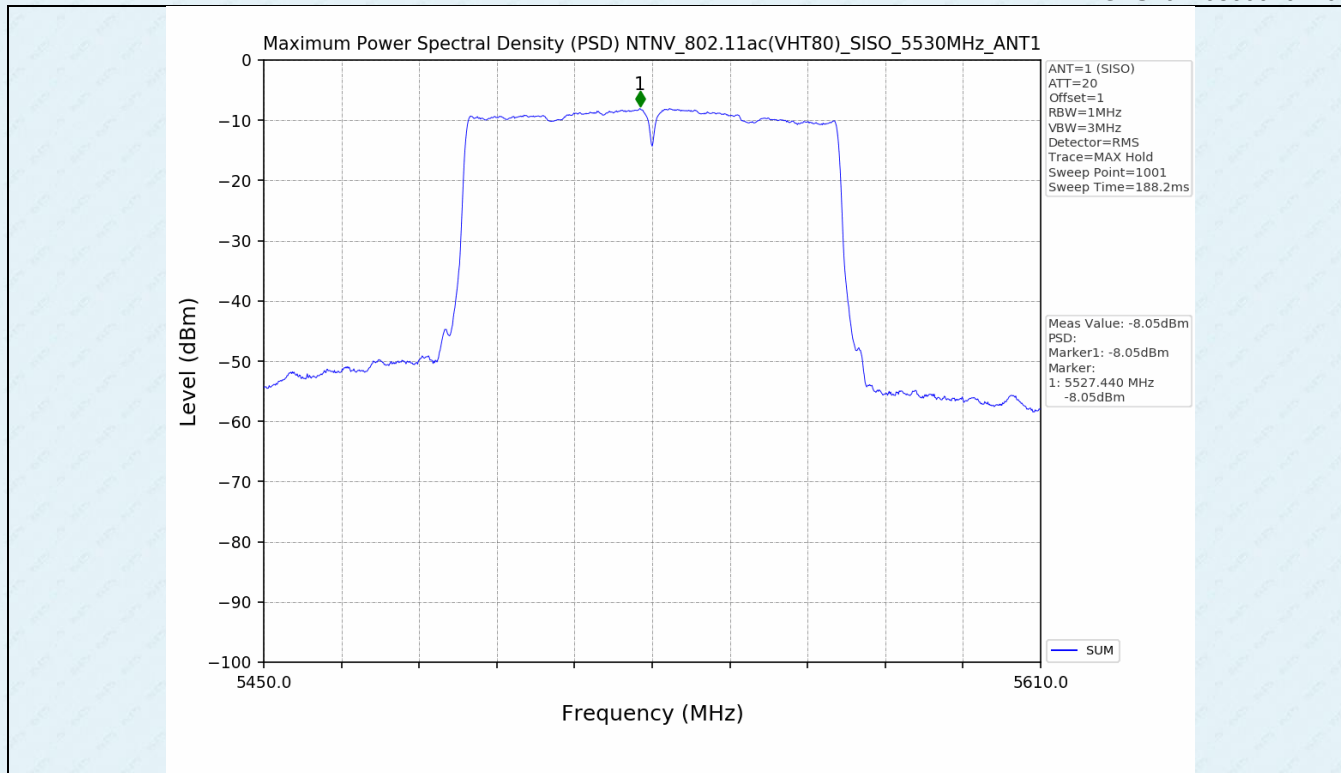












ANT 2:

