

3. Maximum Power Spectral Density (PSD)

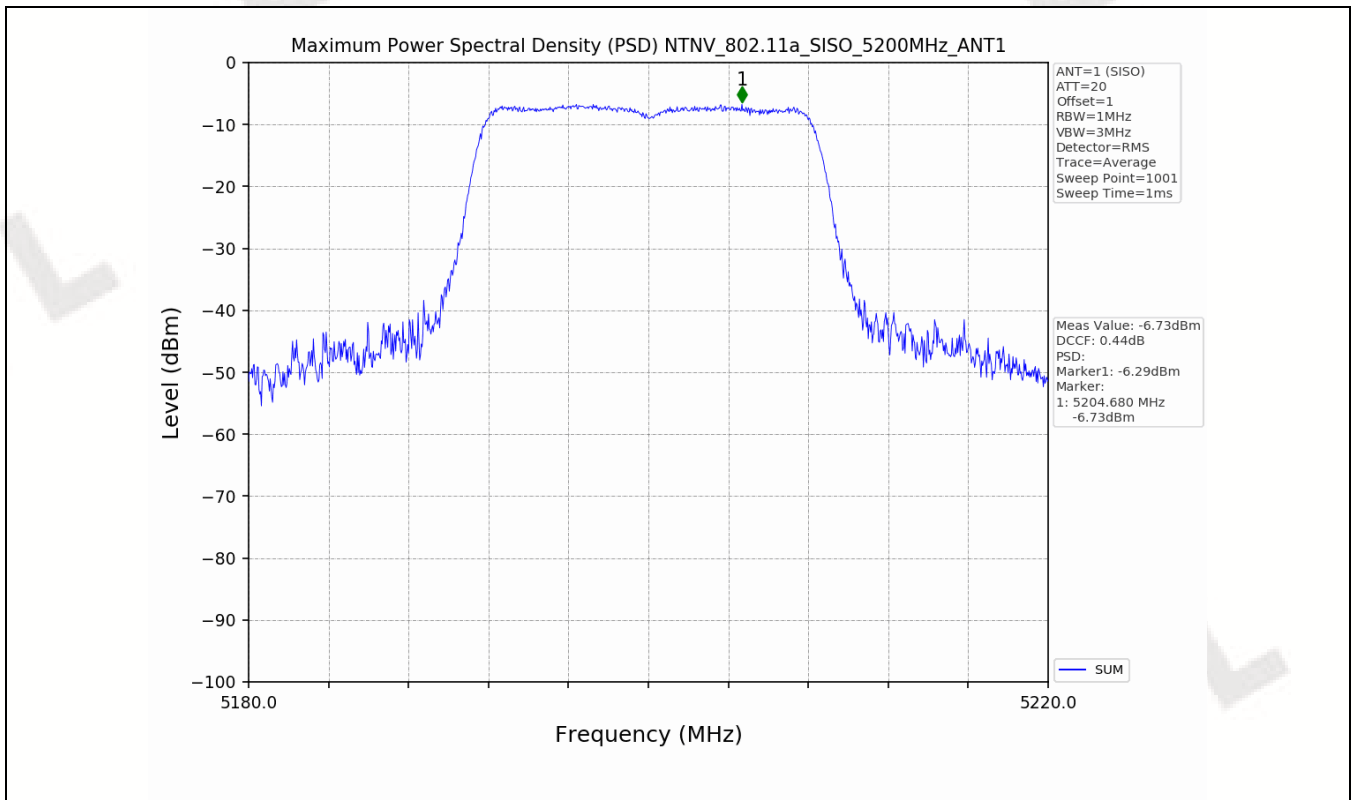
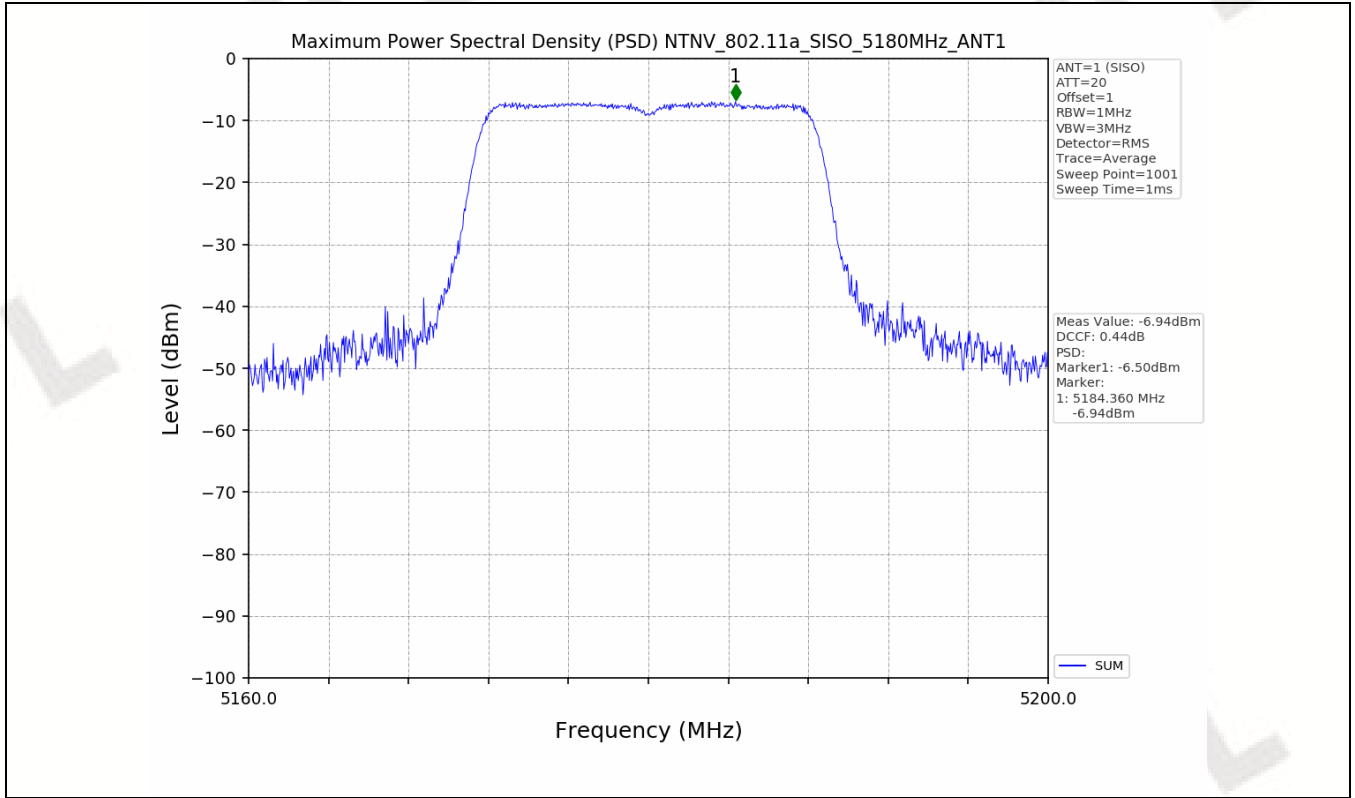
3.1 Test Result

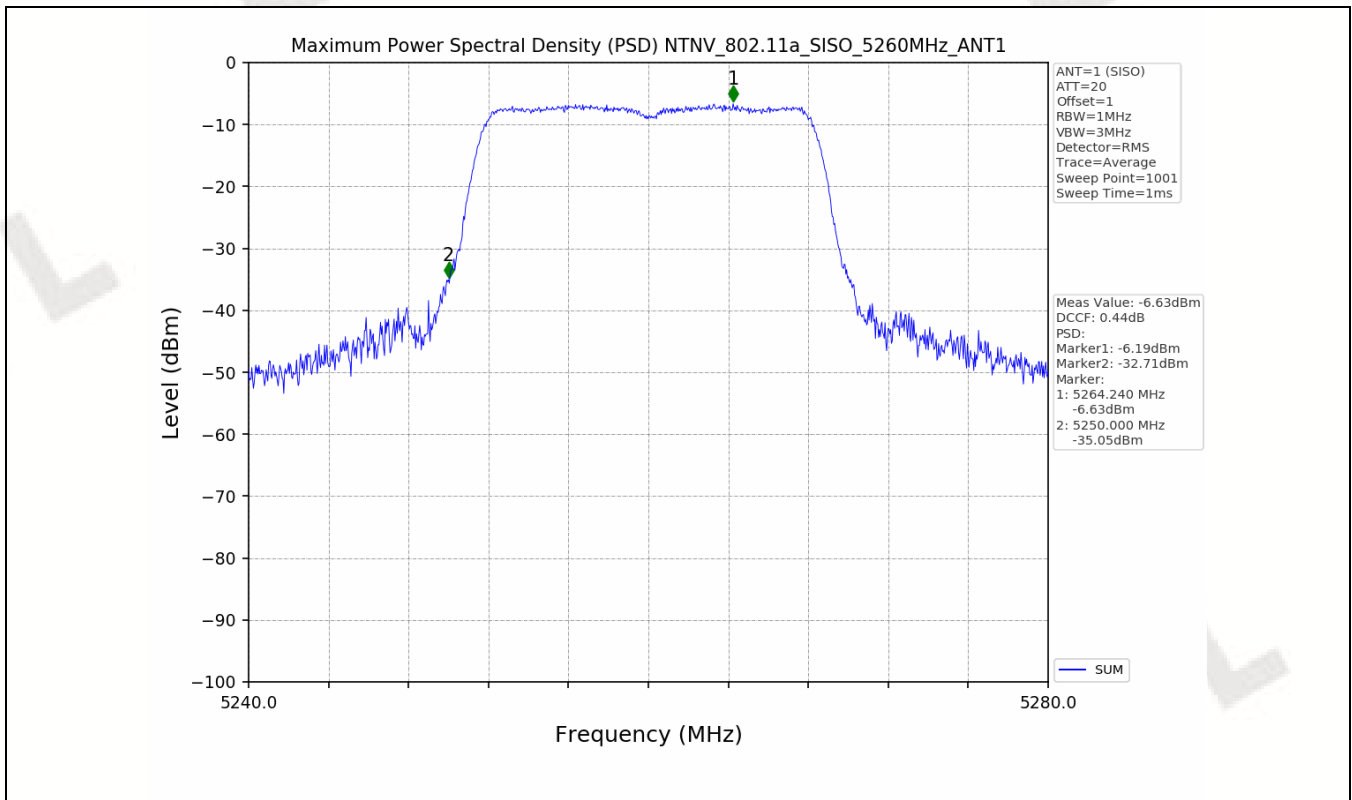
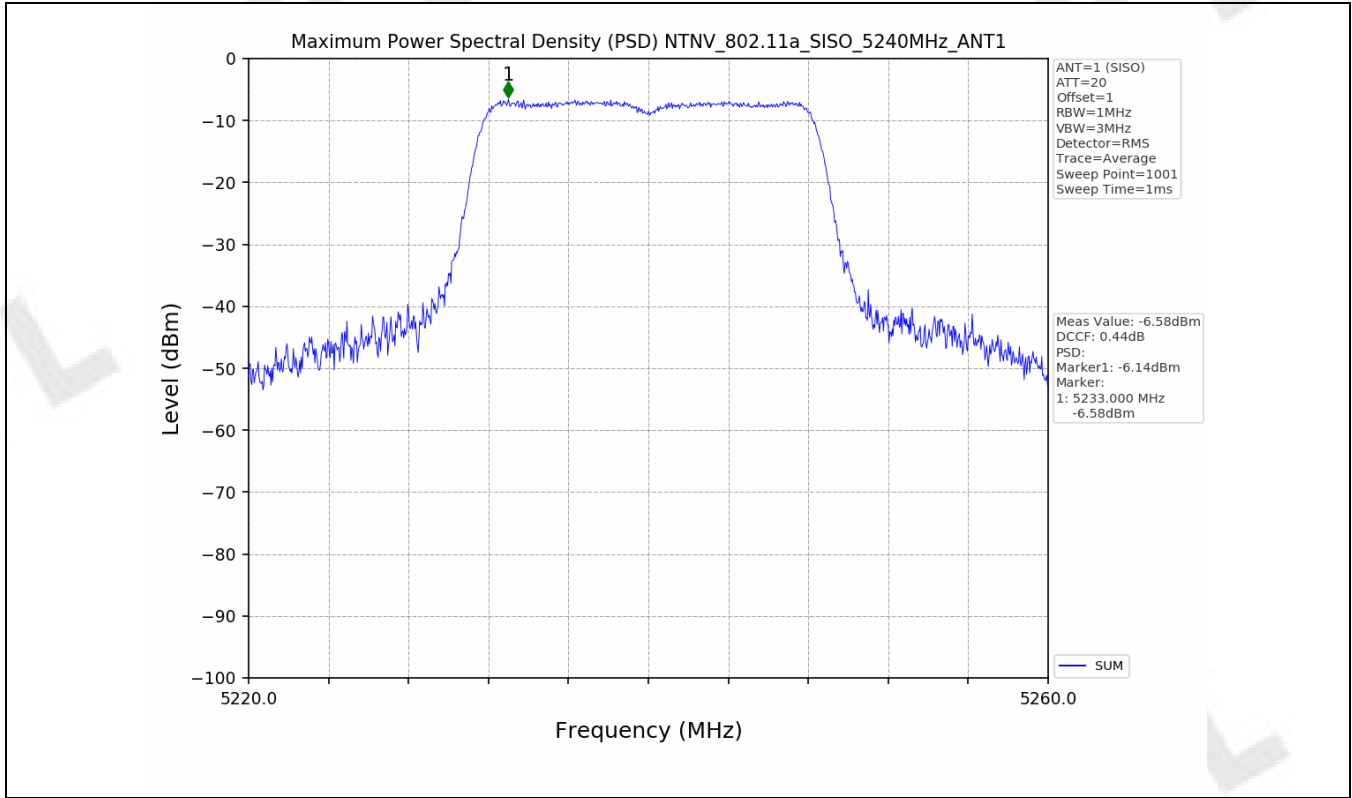
Test Mode	Frequency (MHz)	Tx Type	Maximum Power Spectral Density (dBm/MHz)	Limits (dBm/MHz)	Verdict
			Ant 1		
802.11a	5180	SISO	-6.50	≤11	PASS
	5200	SISO	-6.29	≤11	PASS
	5240	SISO	-6.14	≤11	PASS
	5260	SISO	-6.19	≤11	PASS
	5300	SISO	-6.68	≤11	PASS
	5320	SISO	-7.14	≤11	PASS
	5500	SISO	-6.44	≤11	PASS
	5580	SISO	-6.84	≤11	PASS
	5600	SISO	-6.51	≤11	PASS
802.11n(HT20)	5700	SISO	-6.88	≤11	PASS
	5180	SISO	-6.04	≤11	PASS
	5200	SISO	-5.68	≤11	PASS
	5240	SISO	-6.73	≤11	PASS
	5260	SISO	-6.38	≤11	PASS
	5300	SISO	-7.17	≤11	PASS
	5320	SISO	-7.40	≤11	PASS
	5500	SISO	-6.59	≤11	PASS
	5580	SISO	-6.63	≤11	PASS
802.11n(HT40)	5600	SISO	-6.17	≤11	PASS
	5700	SISO	-7.01	≤11	PASS
802.11n(HT40)	5190	SISO	-8.92	≤11	PASS

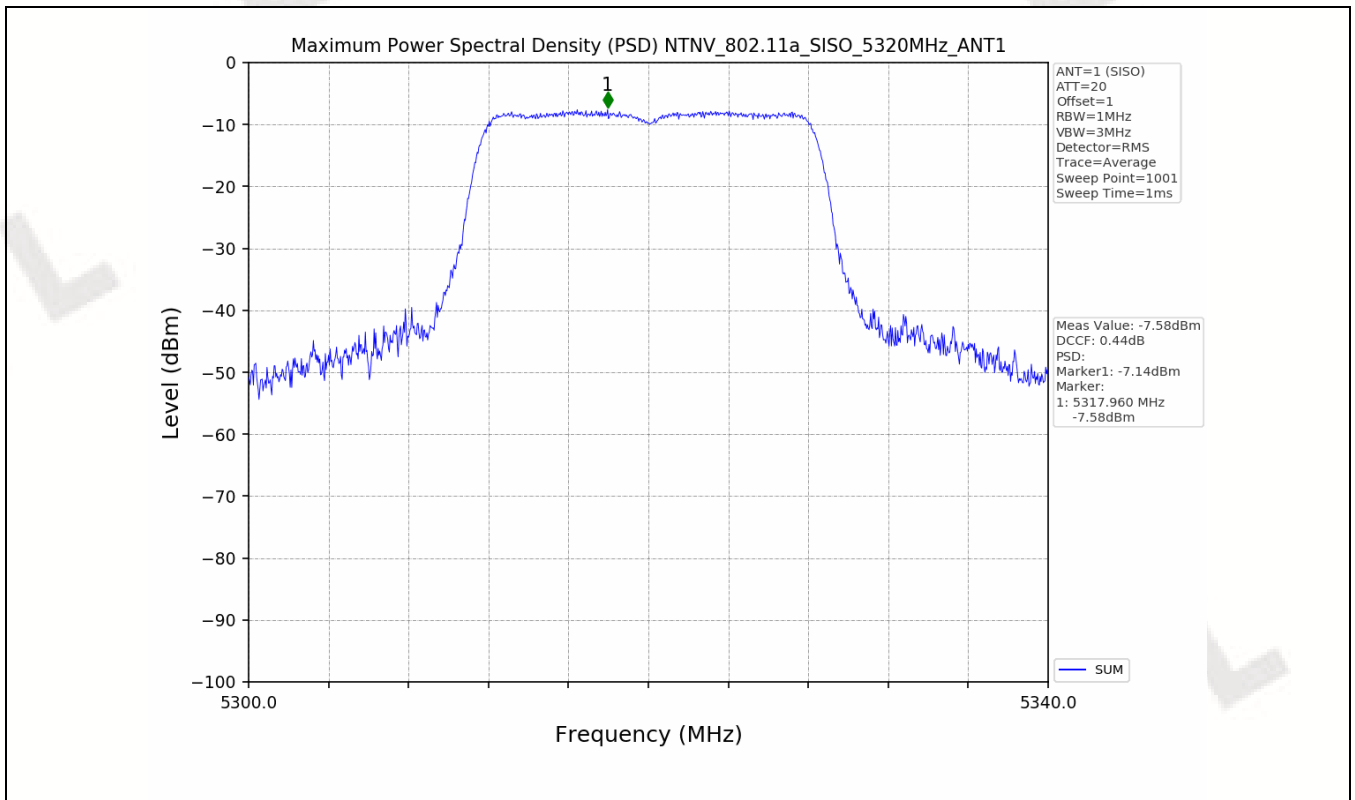
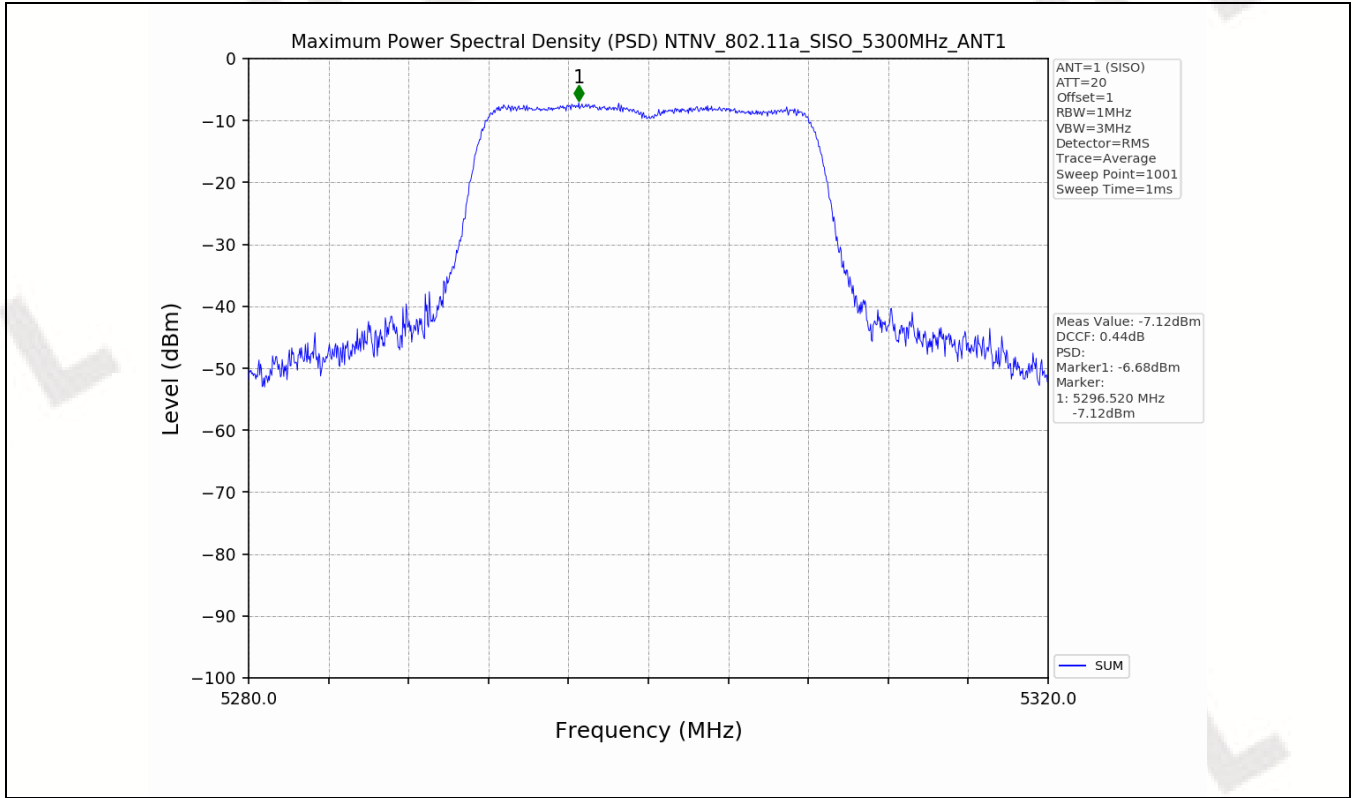
	5230	SISO	-9.01	≤11	PASS
	5270	SISO	-9.26	≤11	PASS
	5310	SISO	-8.24	≤11	PASS
	5510	SISO	-9.46	≤11	PASS
	5550	SISO	-8.61	≤11	PASS
	5590	SISO	-9.19	≤11	PASS
	5670	SISO	-9.27	≤11	PASS
802.11ac(VHT20)	5180	SISO	-6.12	≤11	PASS
	5200	SISO	-5.63	≤11	PASS
	5240	SISO	-5.76	≤11	PASS
	5260	SISO	-6.07	≤11	PASS
	5300	SISO	-6.81	≤11	PASS
	5320	SISO	-6.98	≤11	PASS
	5500	SISO	-6.08	≤11	PASS
	5580	SISO	-6.34	≤11	PASS
	5600	SISO	-5.64	≤11	PASS
5700	SISO	-6.23	≤11	PASS	
802.11ac(VHT40)	5190	SISO	-10.83	≤11	PASS
	5230	SISO	-10.79	≤11	PASS
	5270	SISO	-9.64	≤11	PASS
	5310	SISO	-10.44	≤11	PASS
	5510	SISO	-9.53	≤11	PASS
	5550	SISO	-10.96	≤11	PASS
	5590	SISO	-9.40	≤11	PASS
5670	SISO	-9.39	≤11	PASS	
802.11ac(VHT80)	5210	SISO	-14.05	≤11	PASS
	5290	SISO	-12.45	≤11	PASS
	5530	SISO	-13.26	≤11	PASS
	5610	SISO	-11.33	≤11	PASS

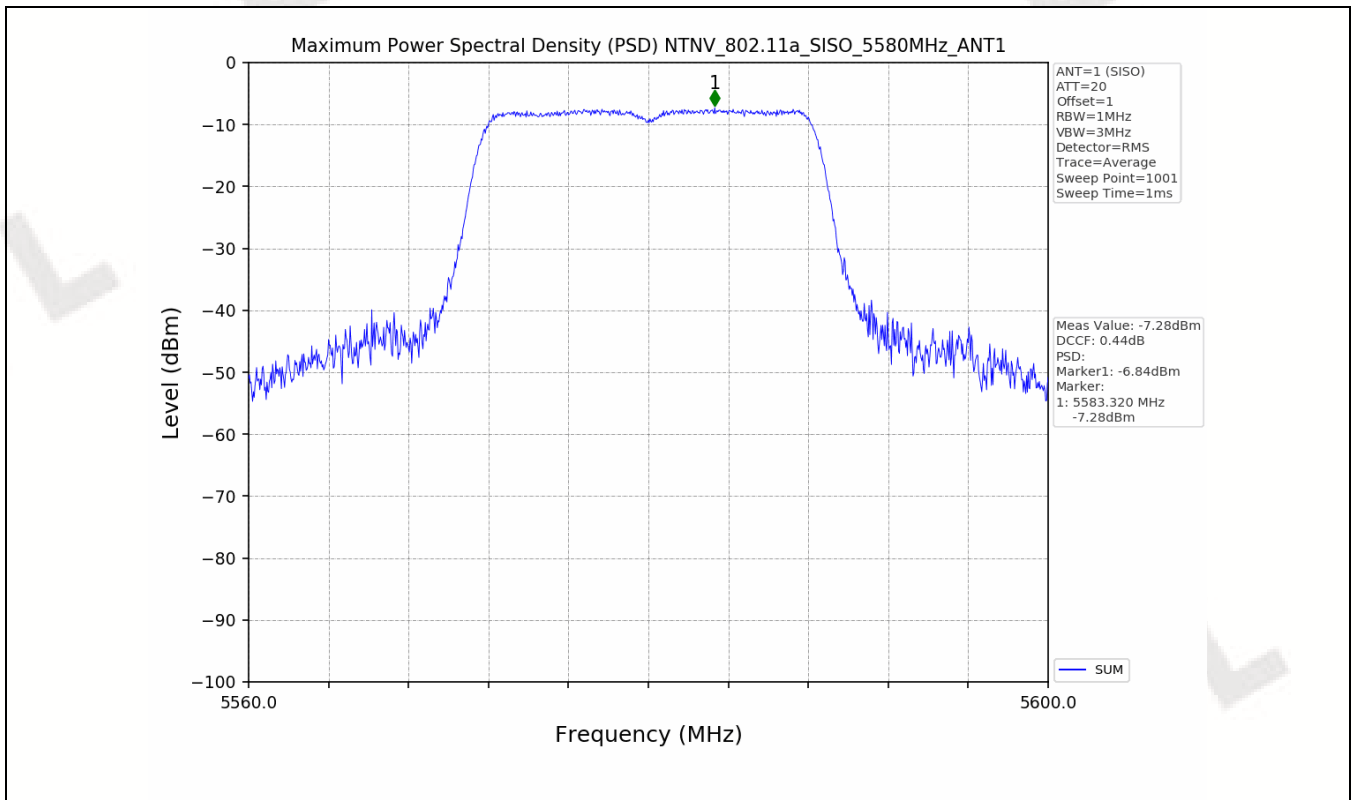
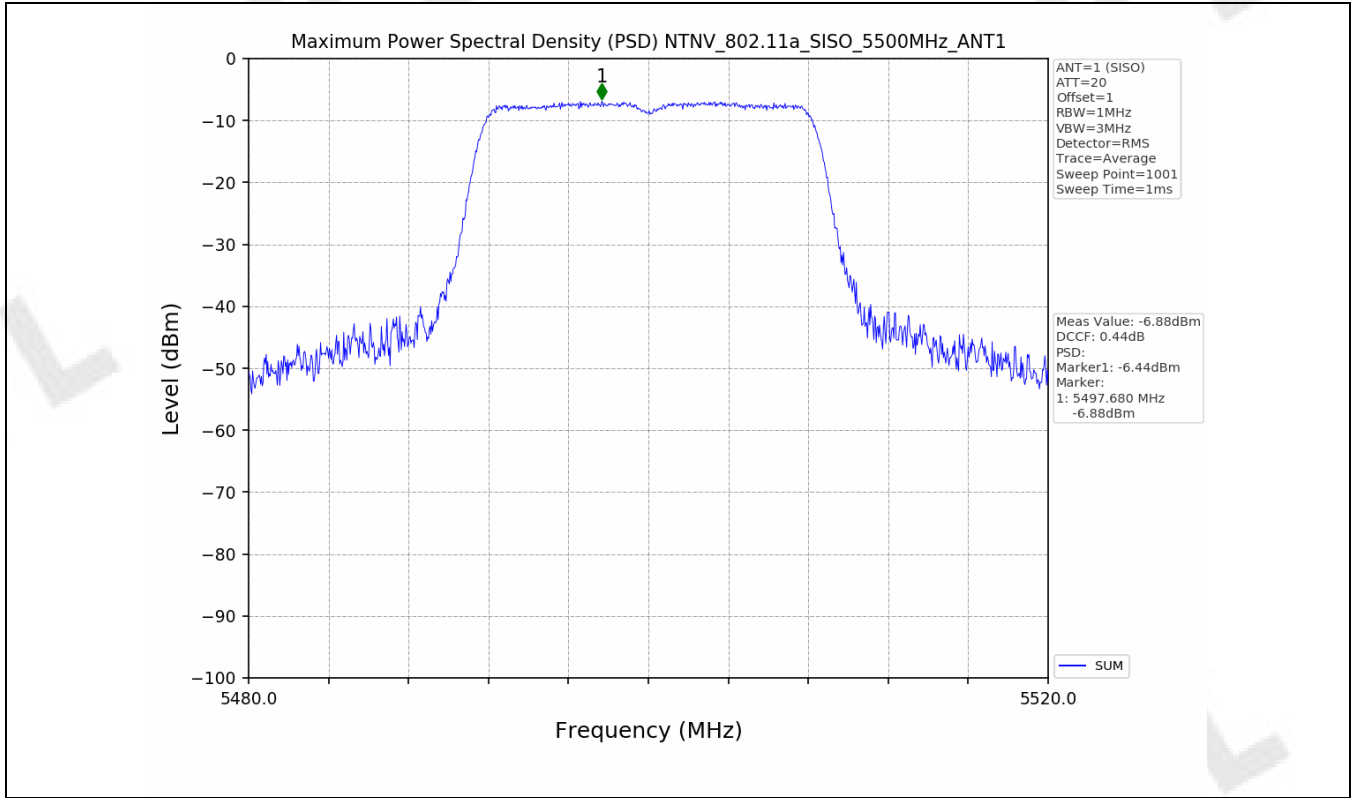
Test Mode	Frequency (MHz)	Tx Type	Maximum Power Spectral Density (dBm/500kHz)	Limits (dBm/500kHz)	Verdict
			Ant 1		
802.11a	5745	SISO	-9.55	≤30	PASS
	5785	SISO	-10.12	≤30	PASS
	5825	SISO	-11.60	≤30	PASS
802.11n(HT20)	5745	SISO	-9.36	≤30	PASS
	5785	SISO	-10.06	≤30	PASS
	5825	SISO	-11.17	≤30	PASS
802.11n(HT40)	5755	SISO	-12.09	≤30	PASS
	5795	SISO	-10.81	≤30	PASS
802.11ac(VHT20)	5745	SISO	-9.83	≤30	PASS
	5785	SISO	-10.05	≤30	PASS
	5825	SISO	-10.84	≤30	PASS
802.11ac(VHT40)	5755	SISO	-12.51	≤30	PASS
	5795	SISO	-13.28	≤30	PASS
802.11ac(VHT80)	5775	SISO	-14.89	≤30	PASS

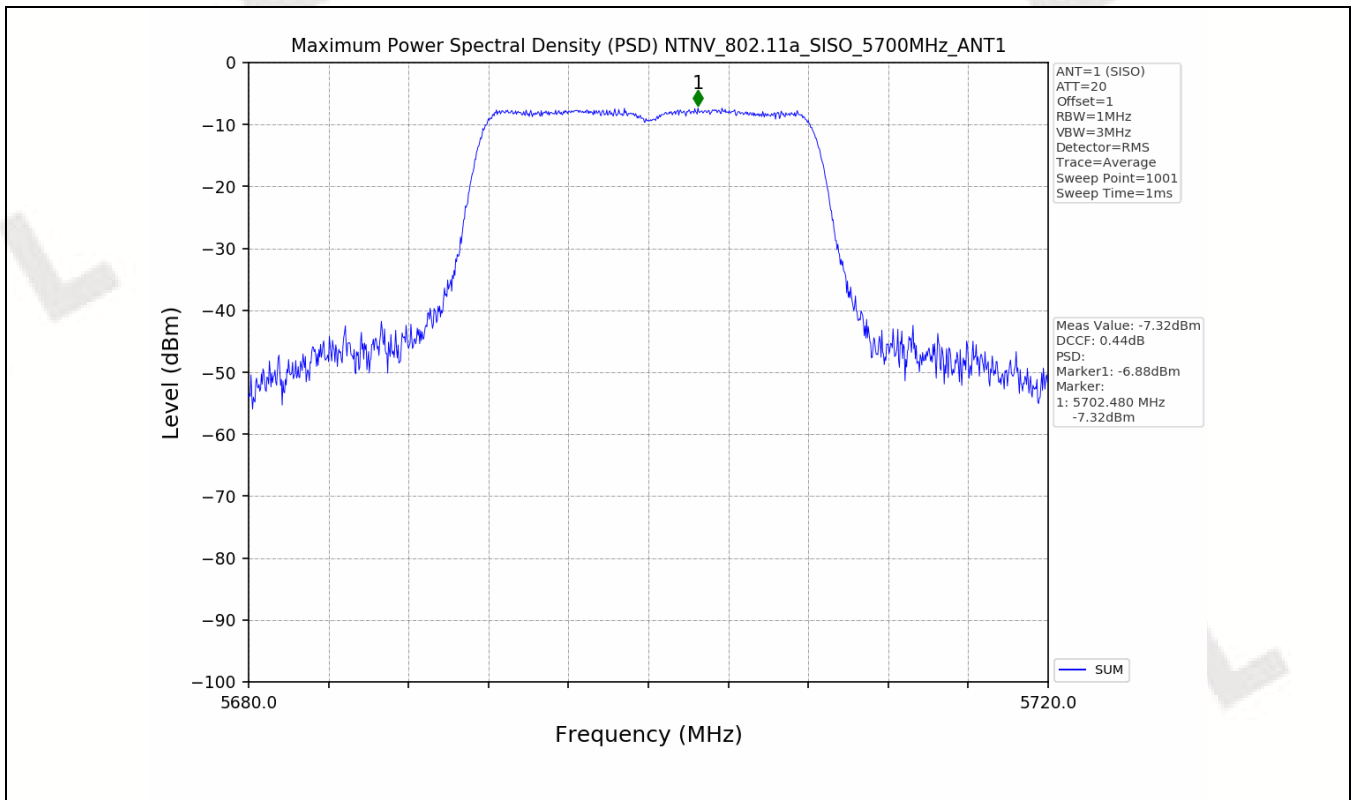
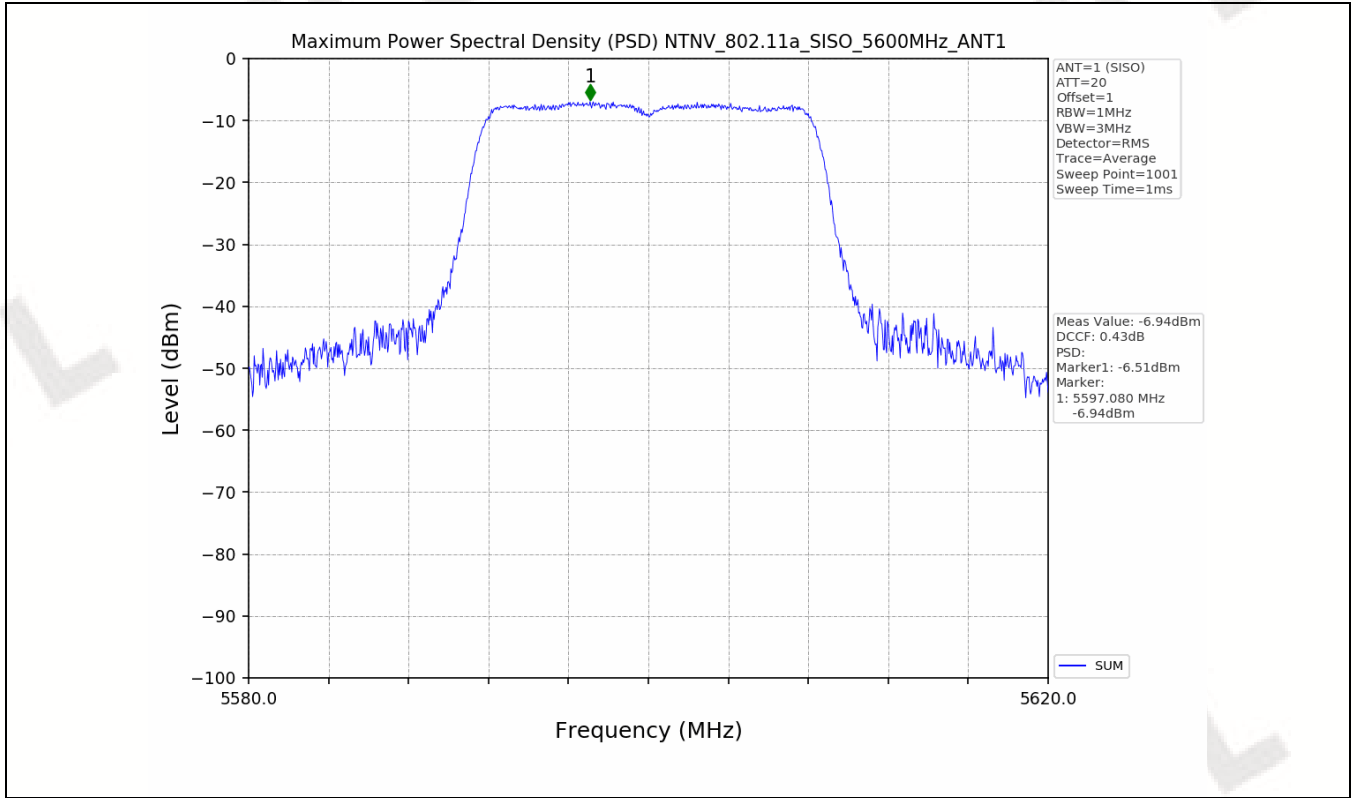
3.2 Test Graph

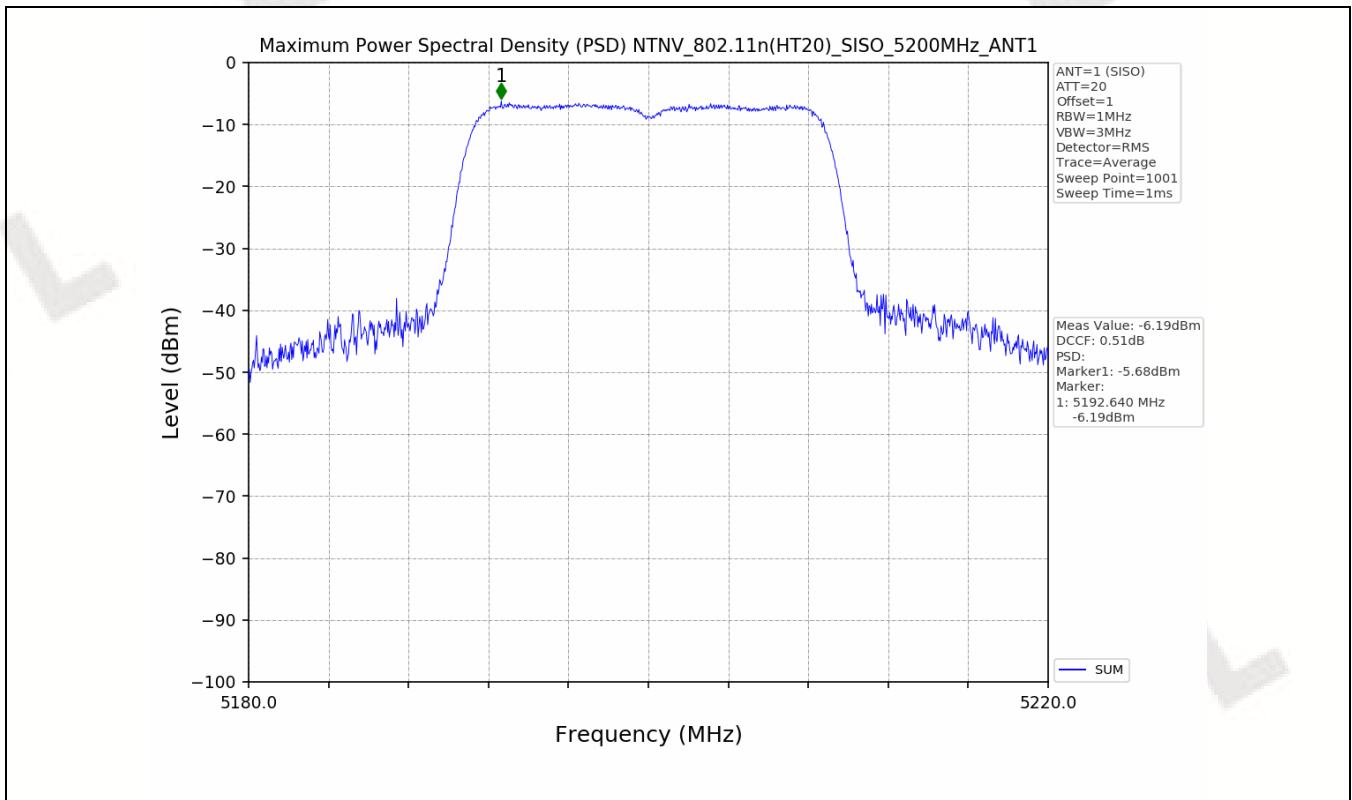
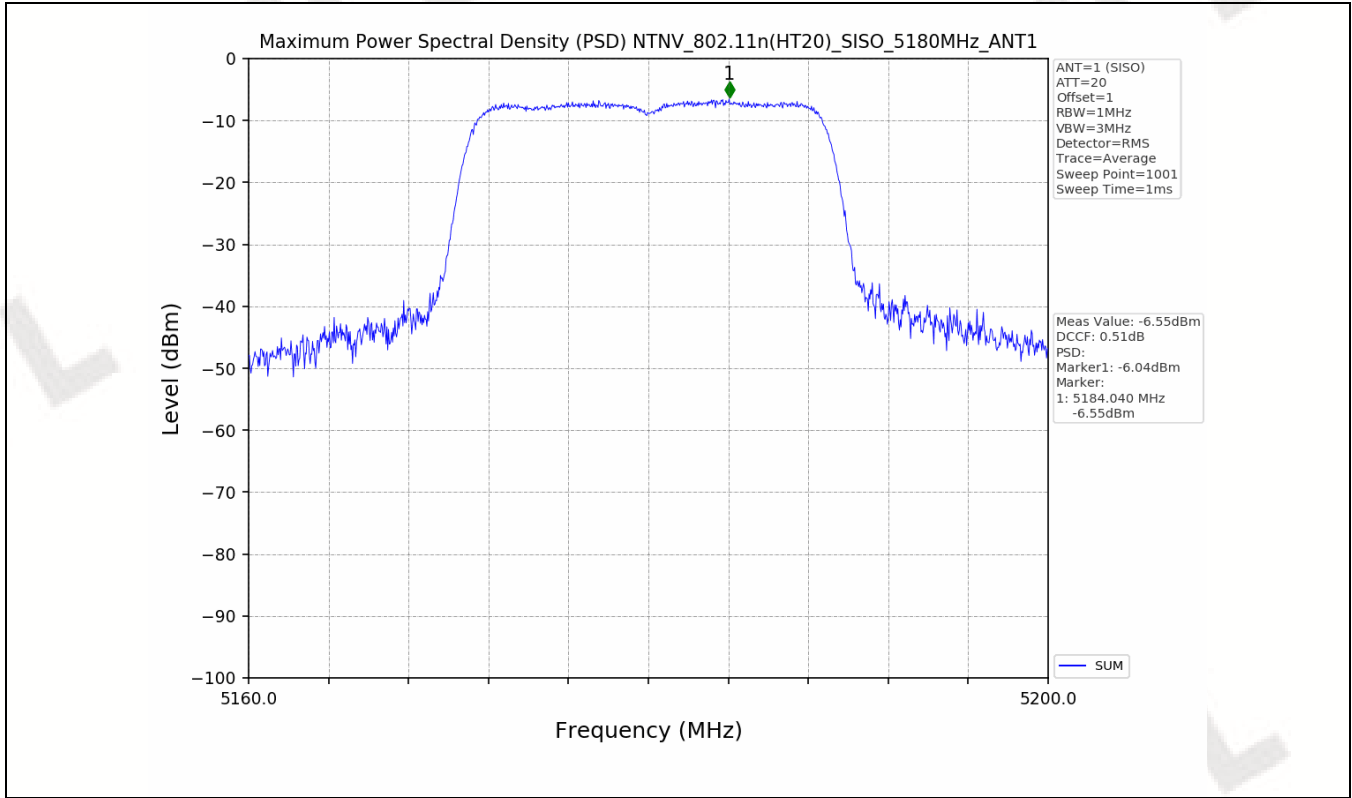


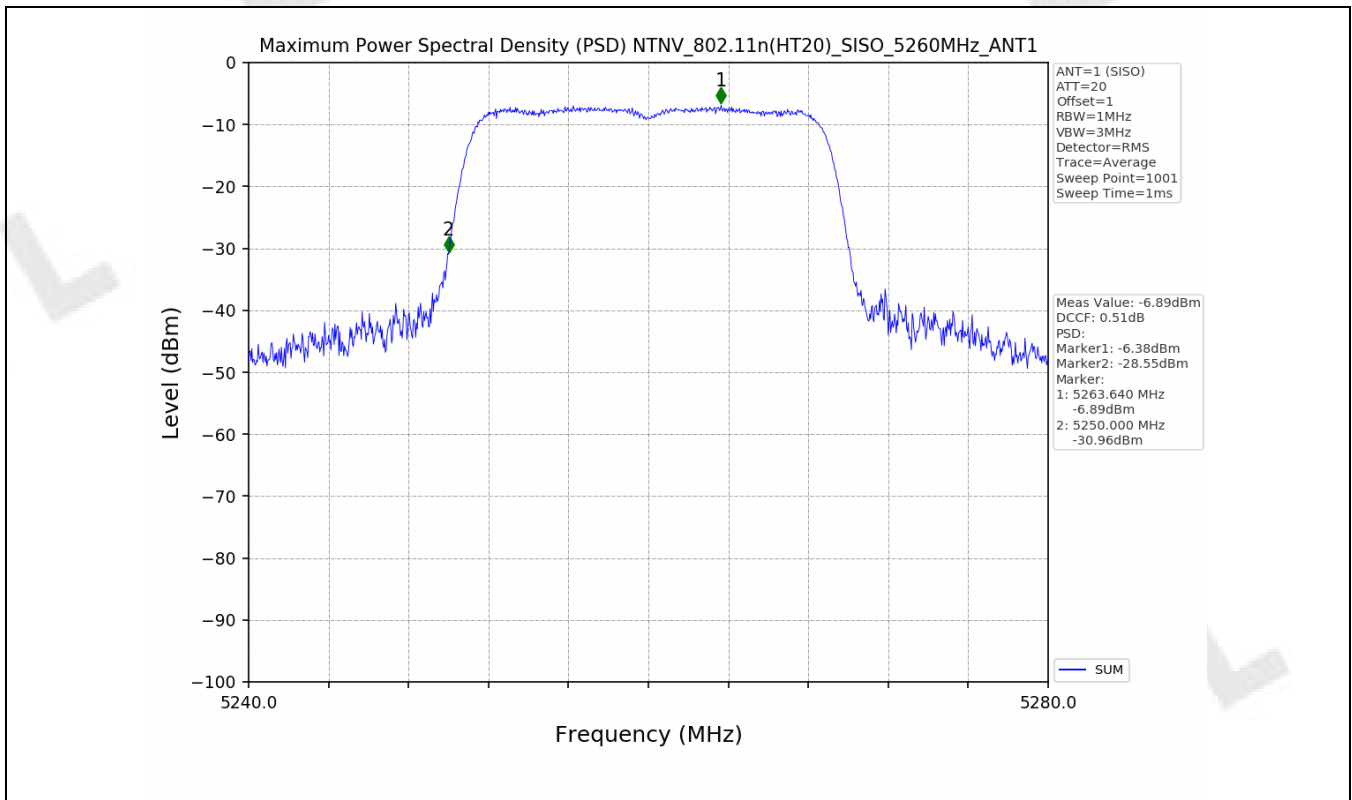
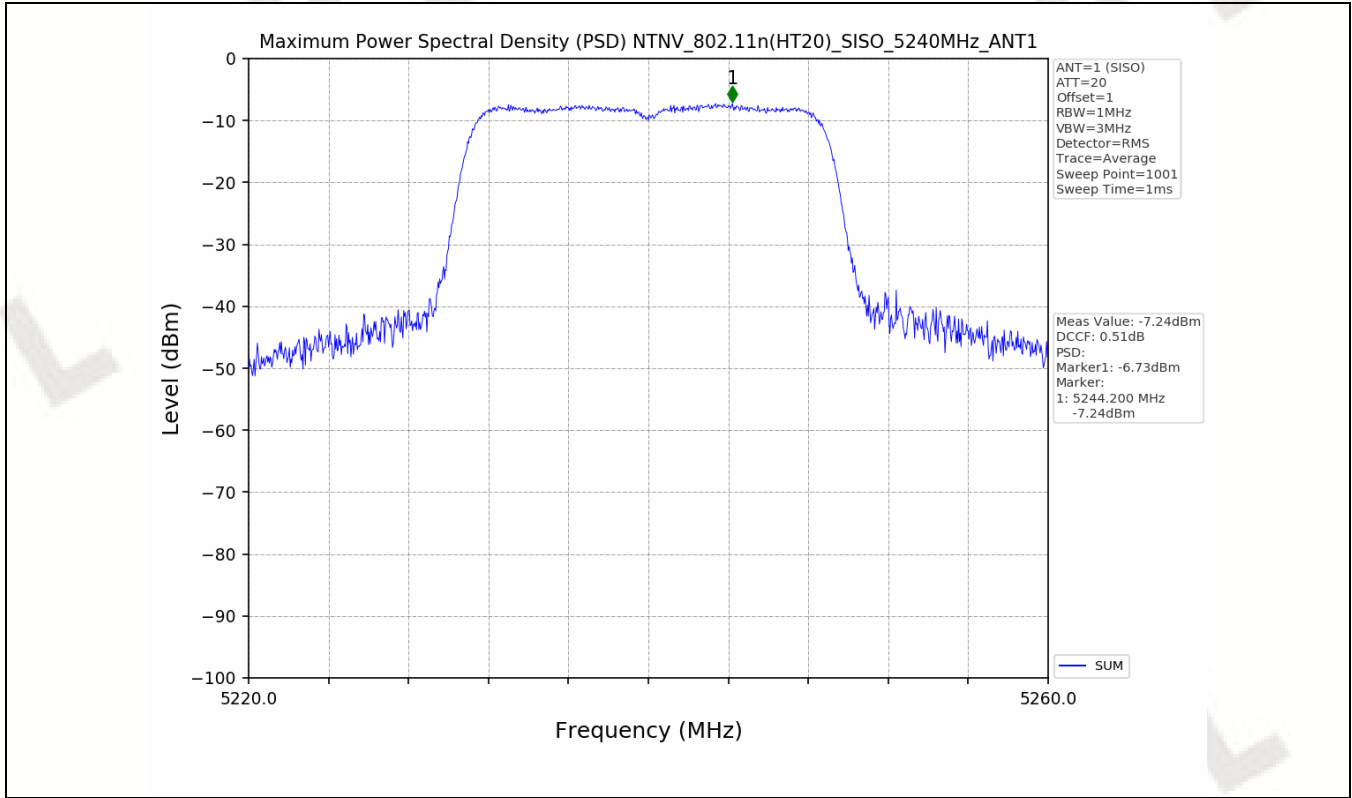


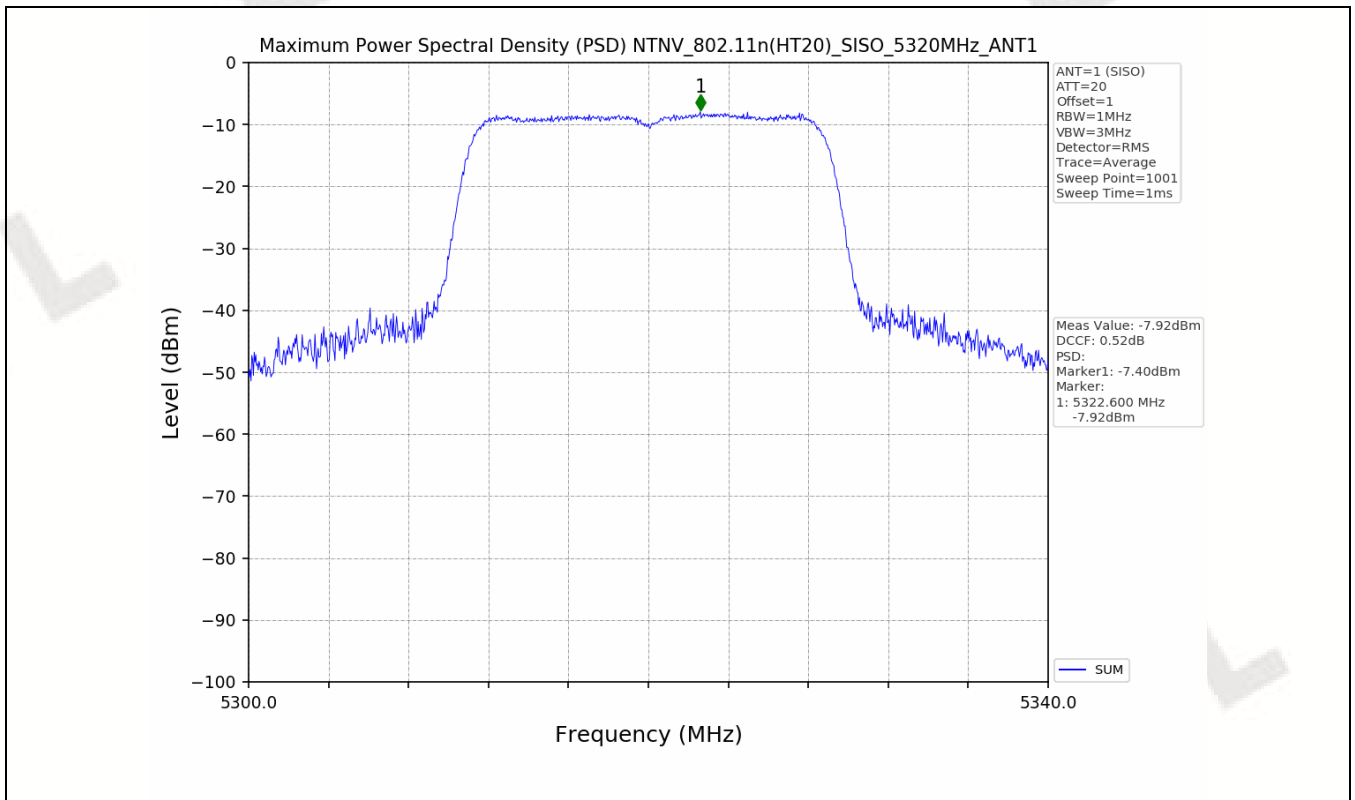
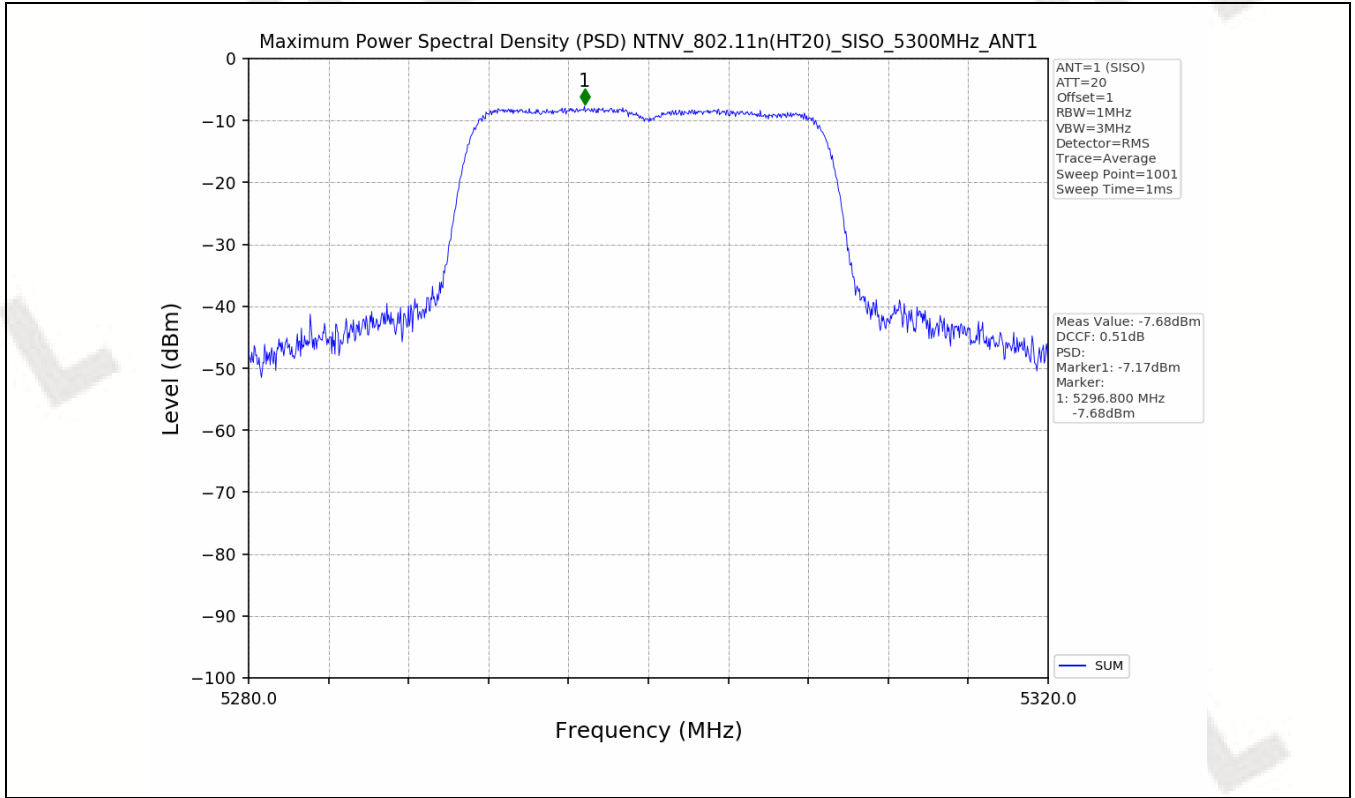


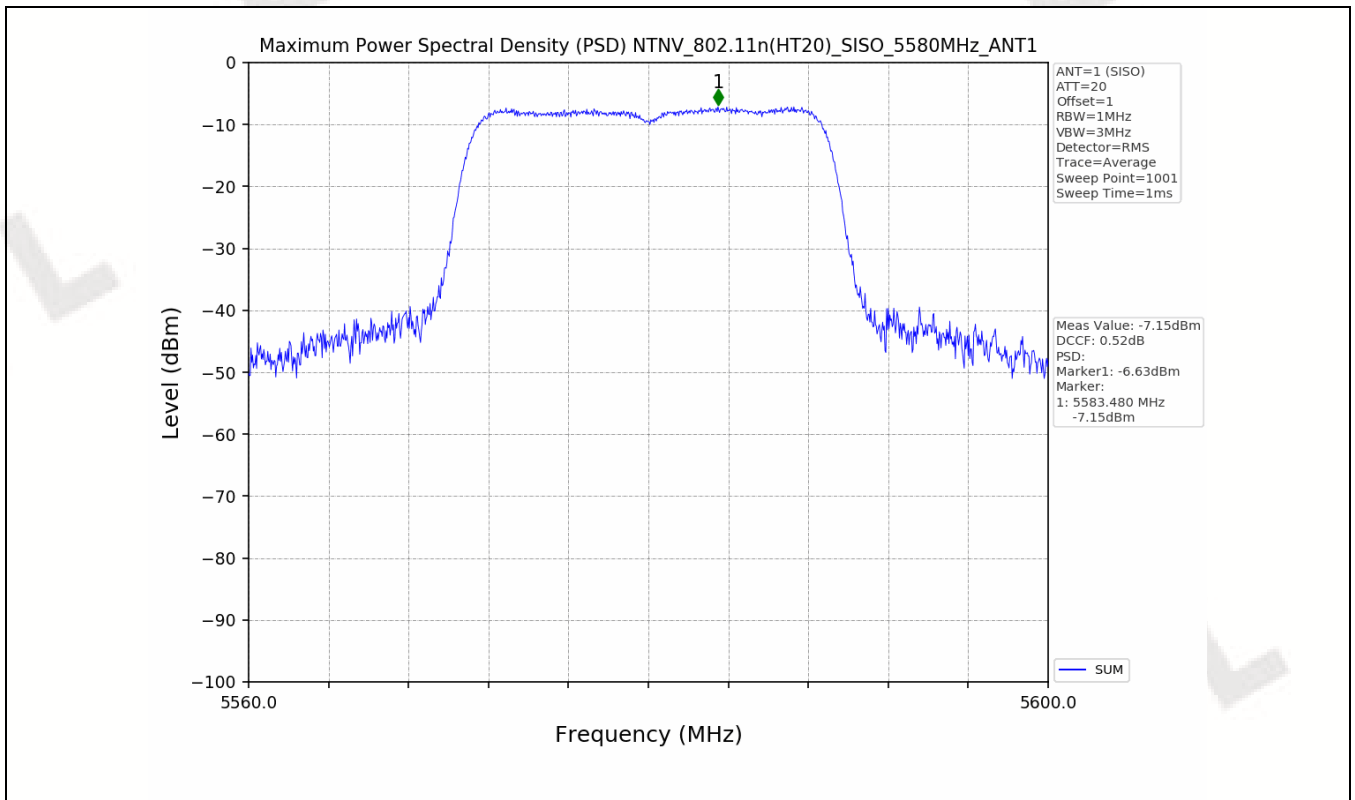
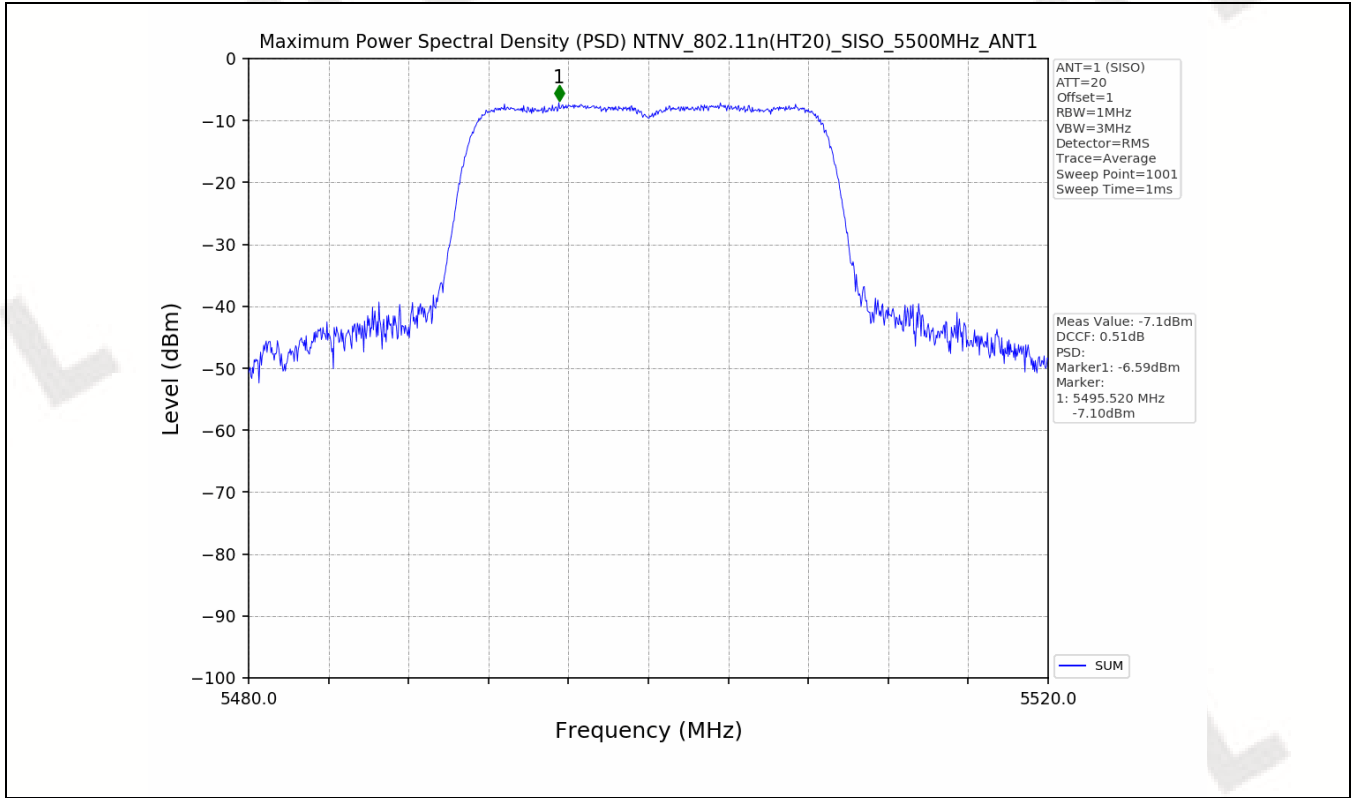


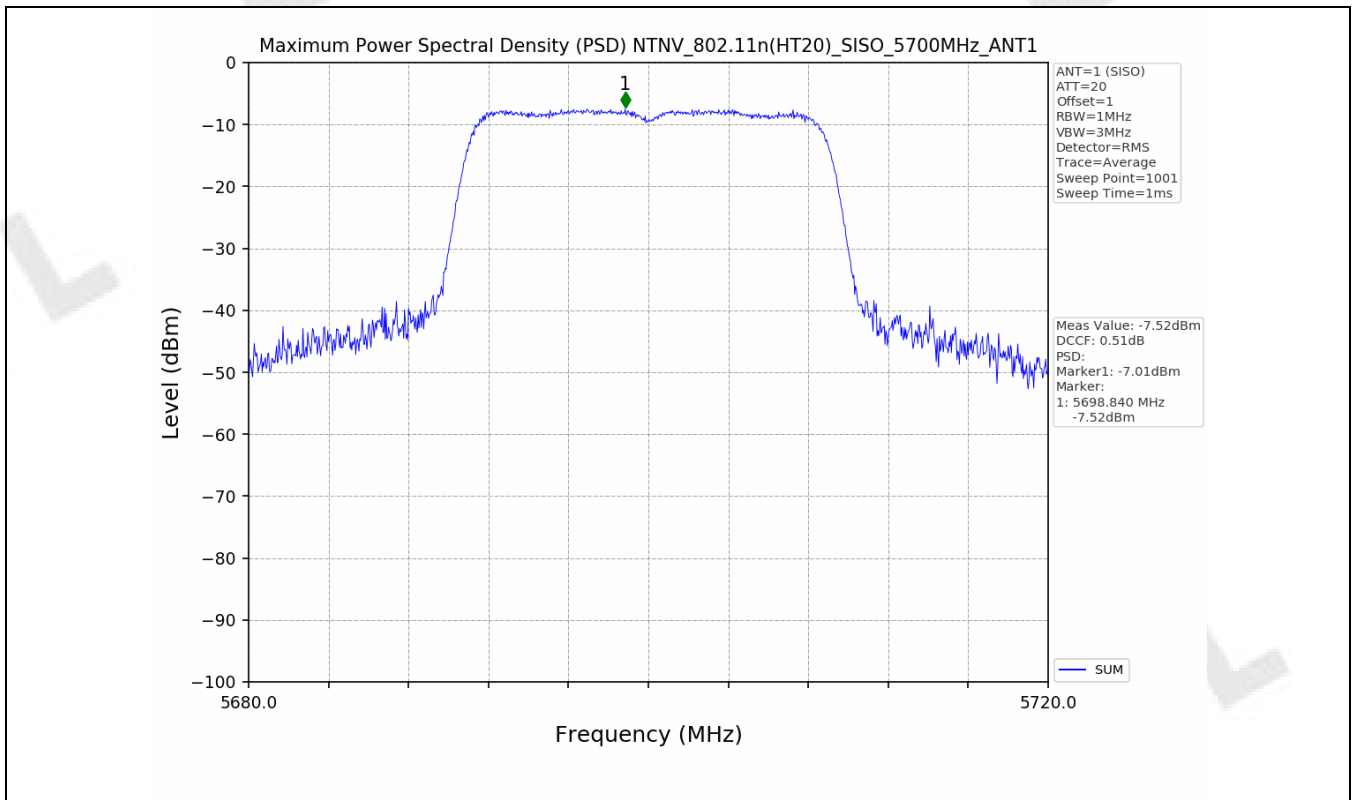
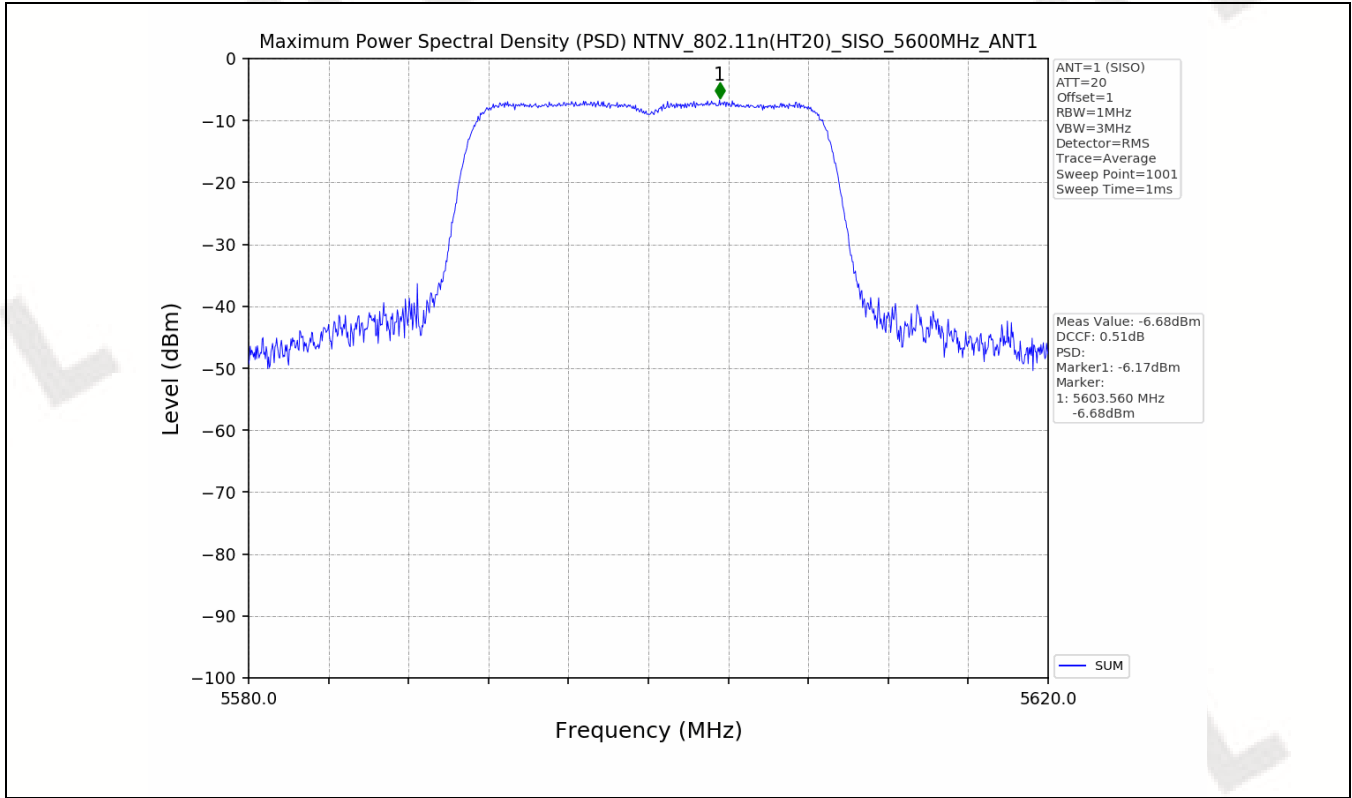


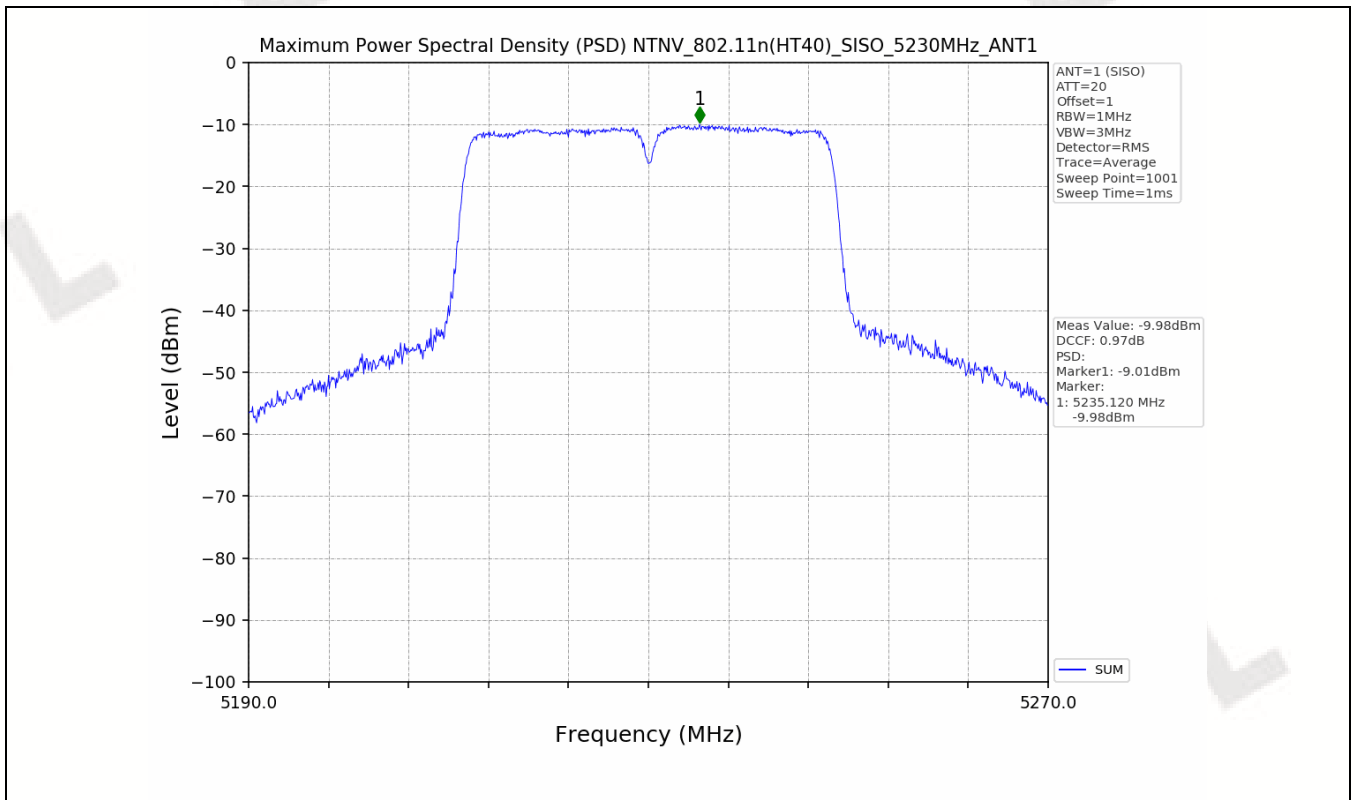
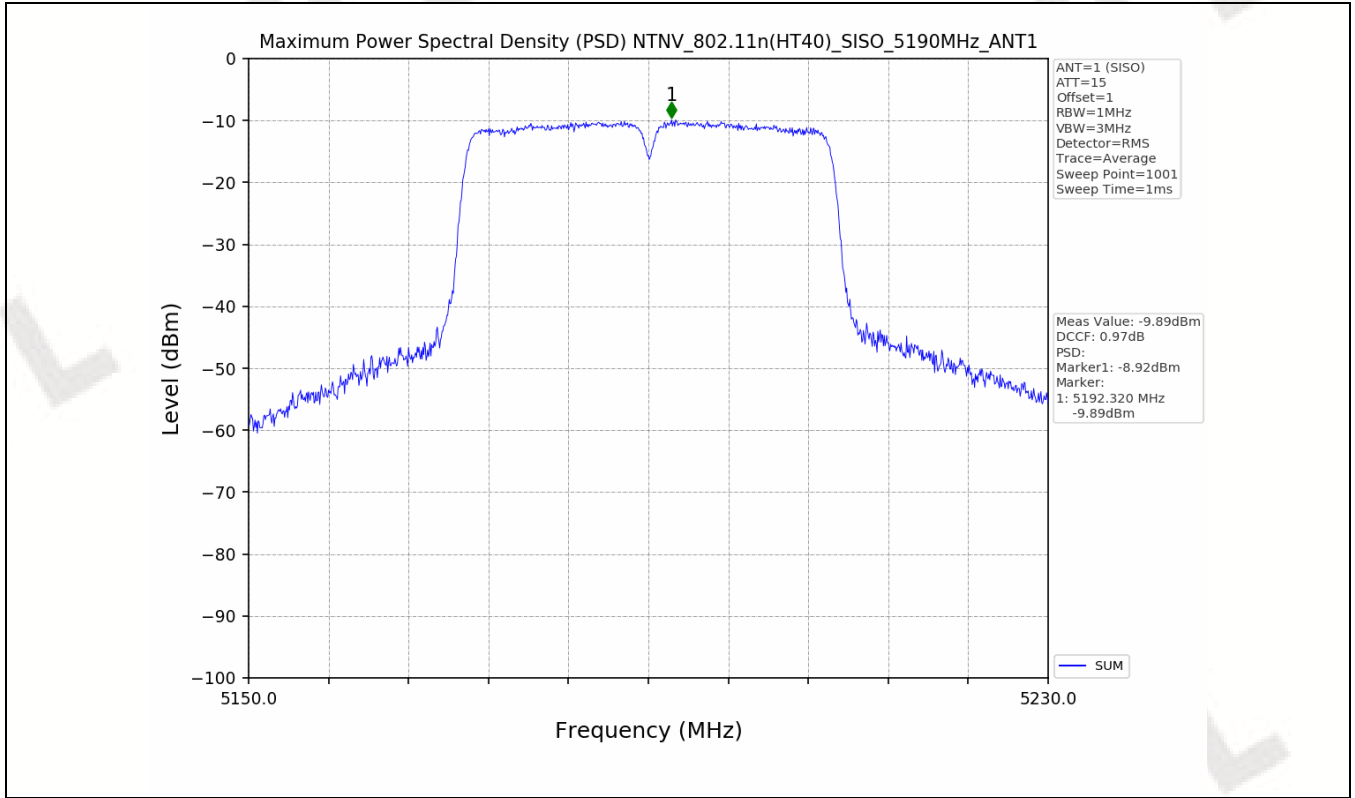


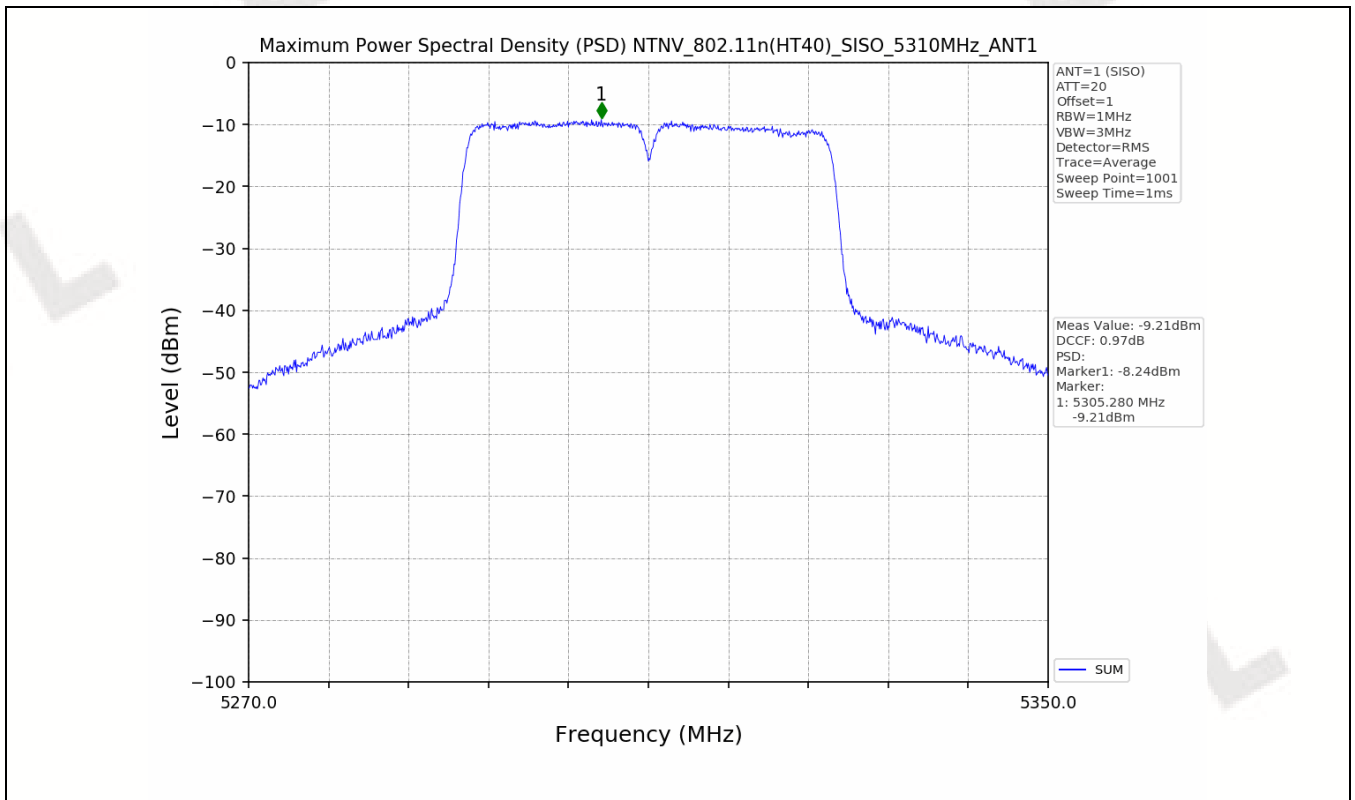
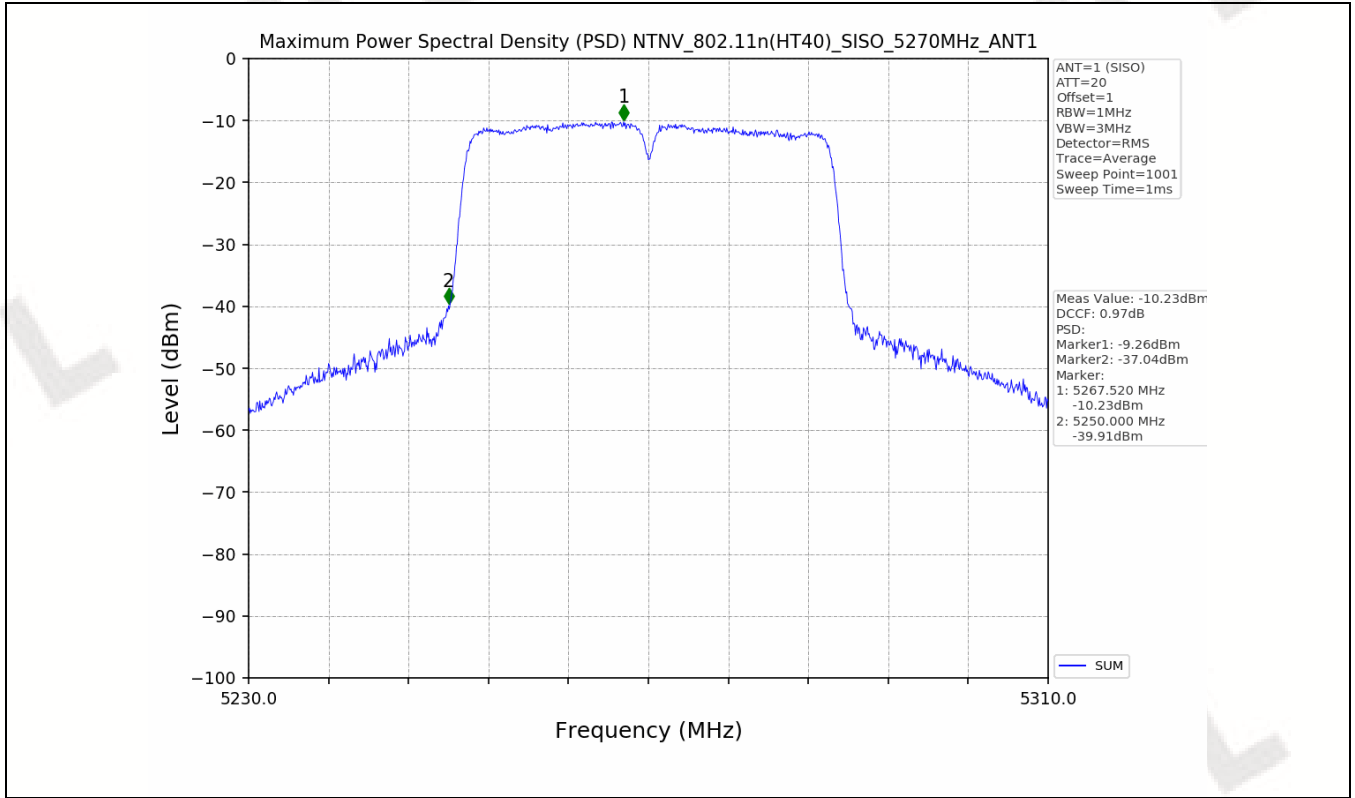


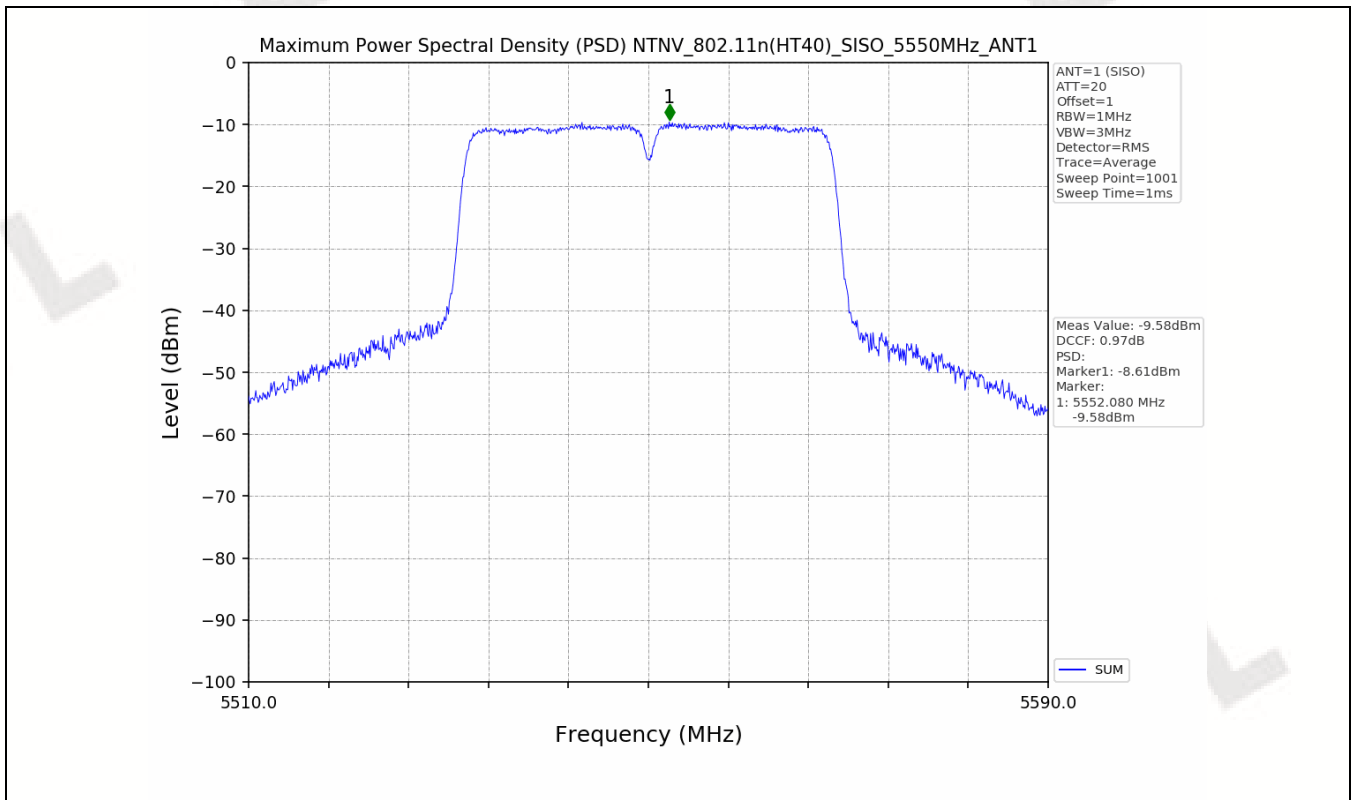
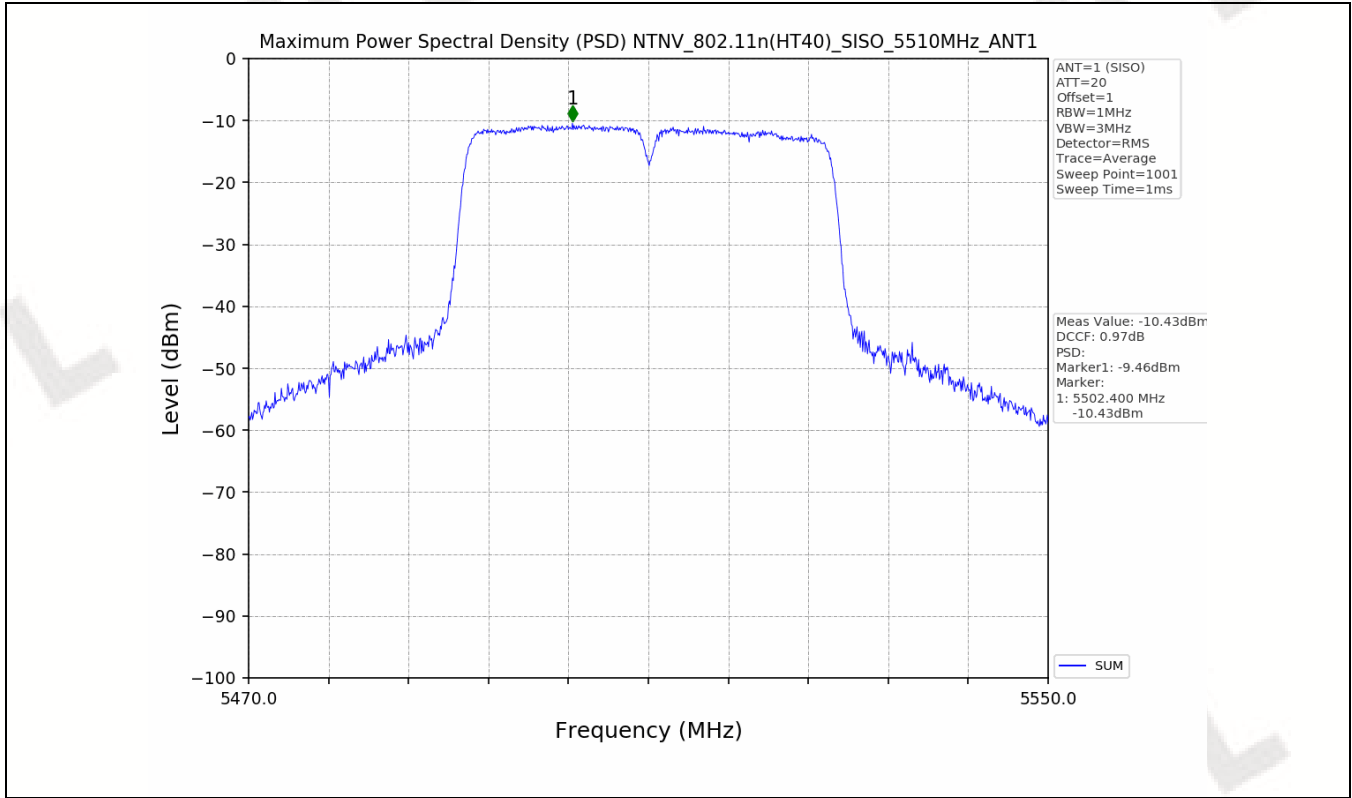


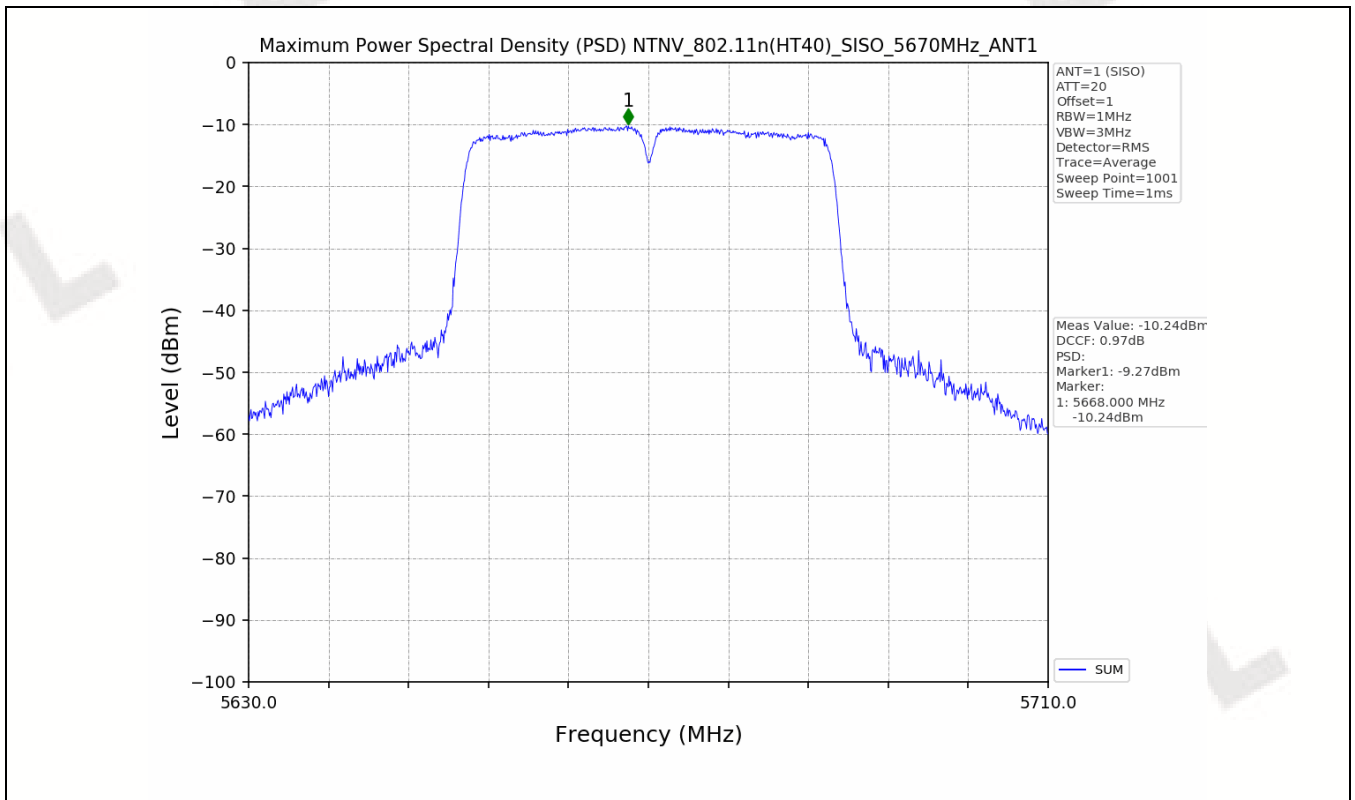
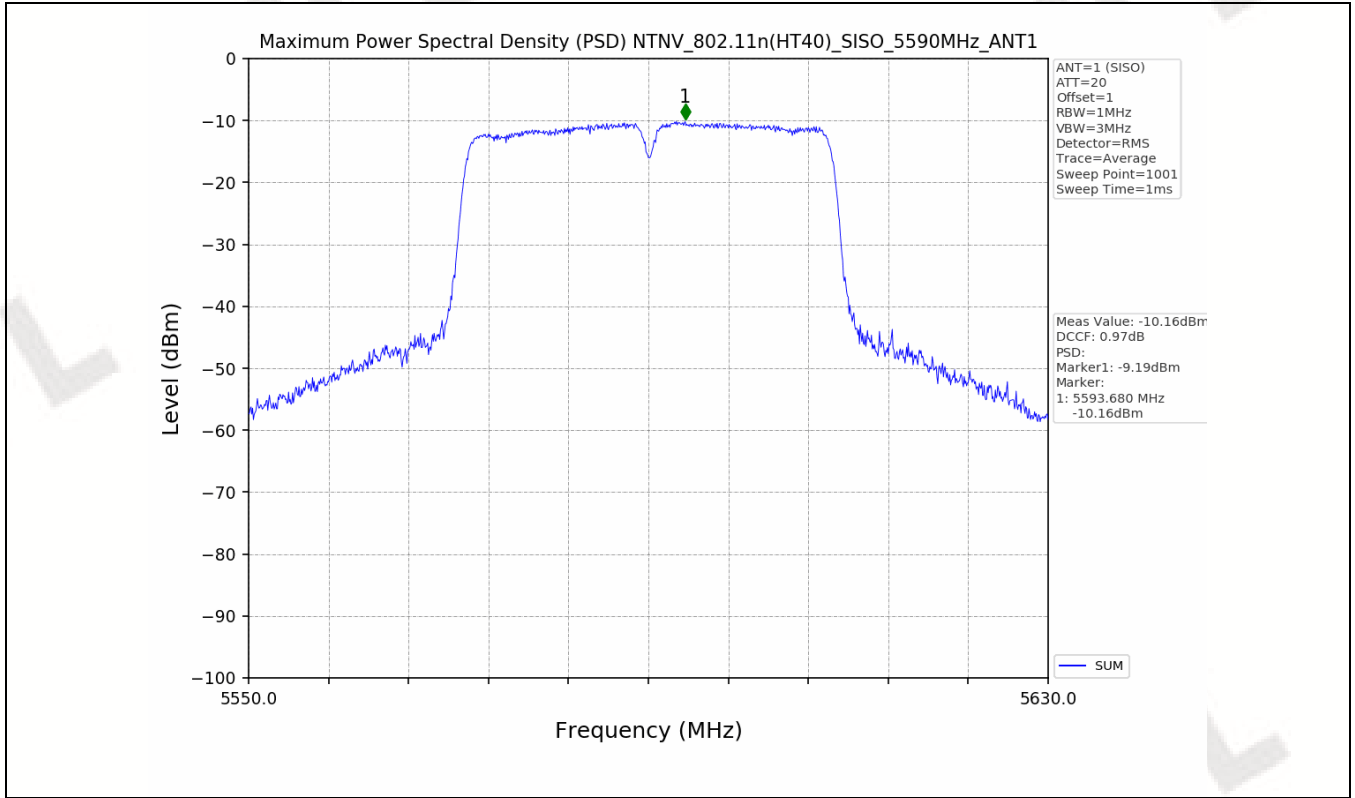


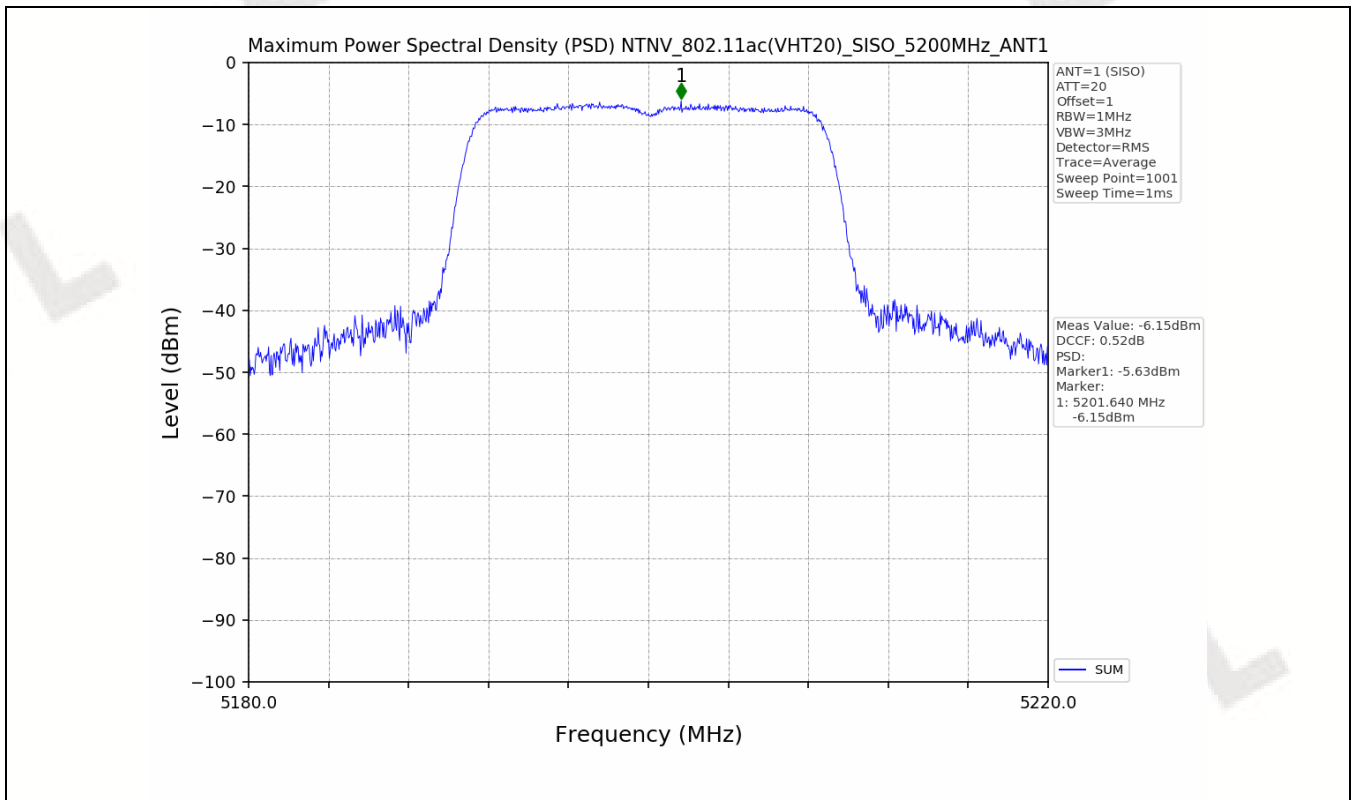
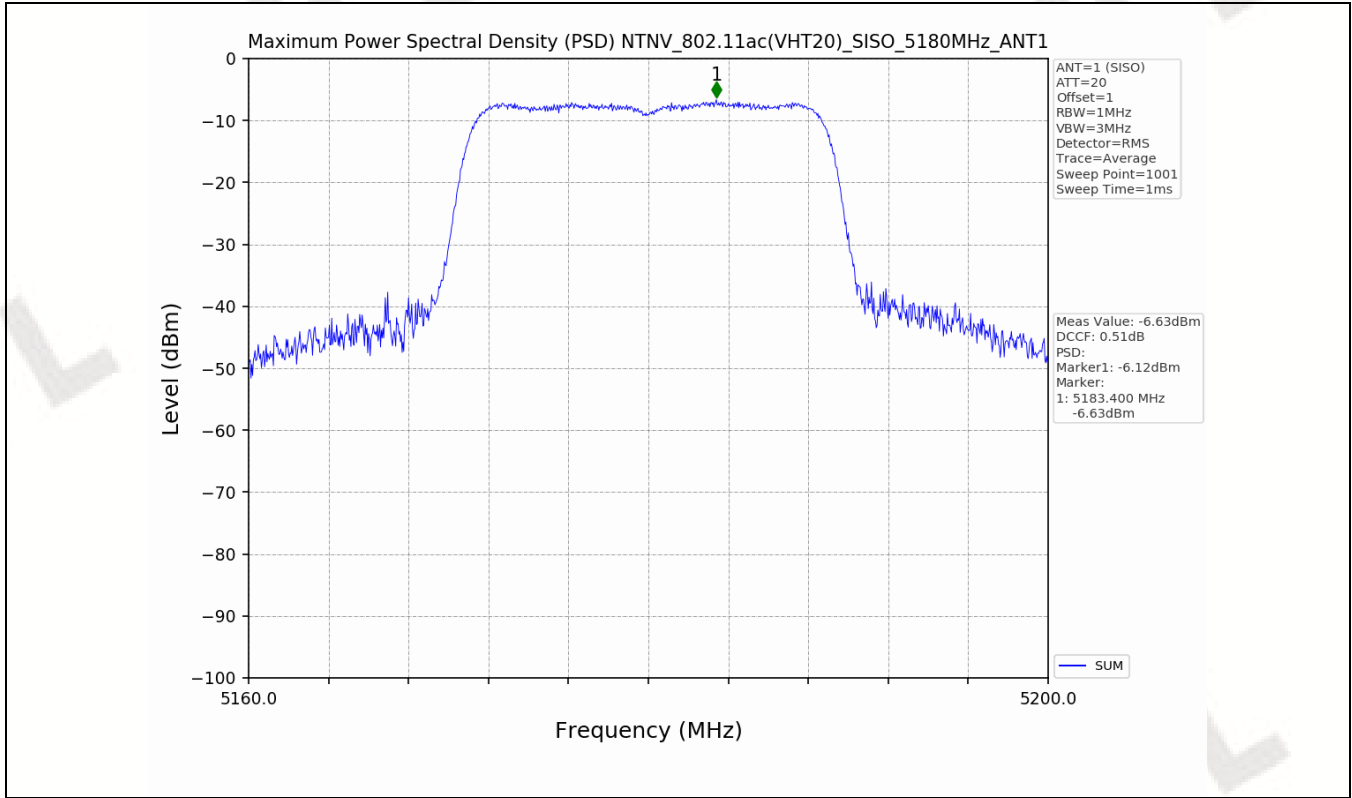


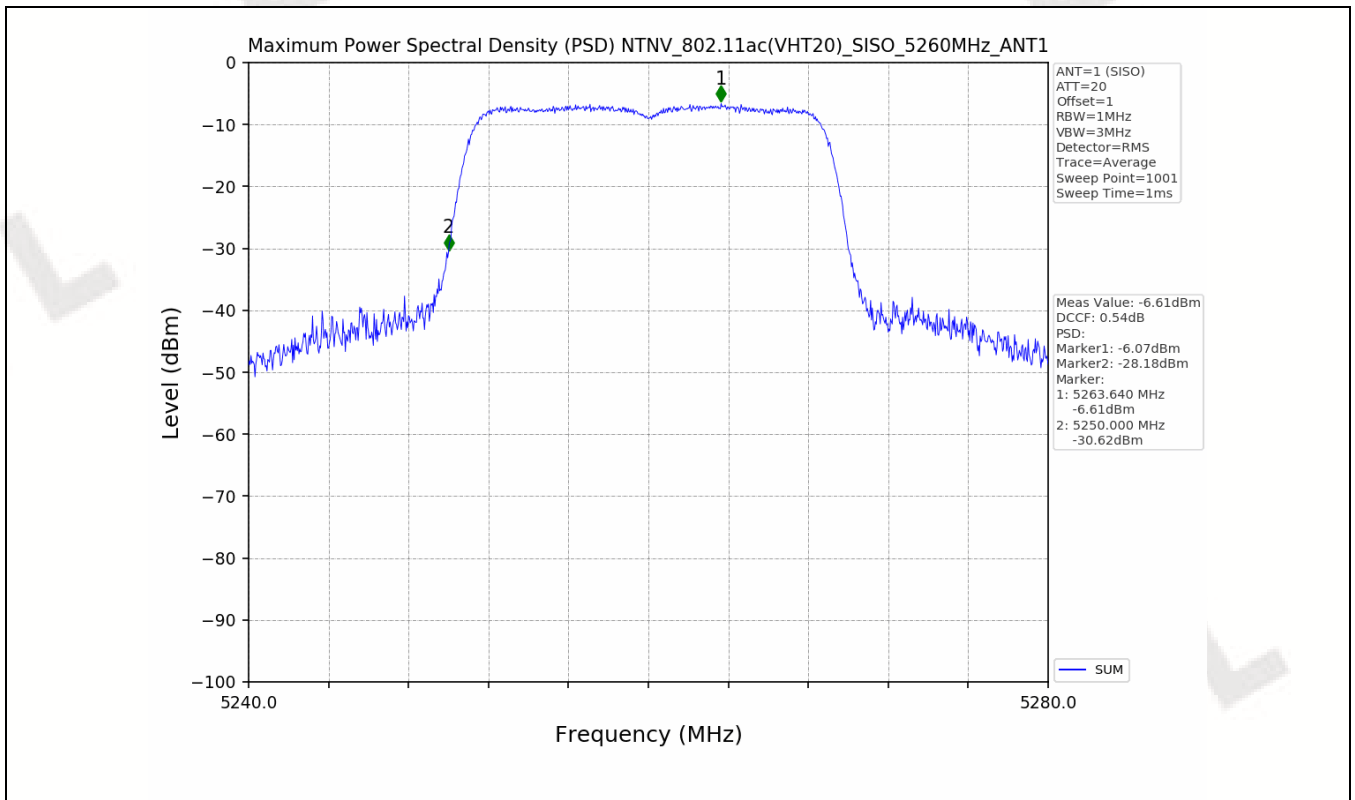
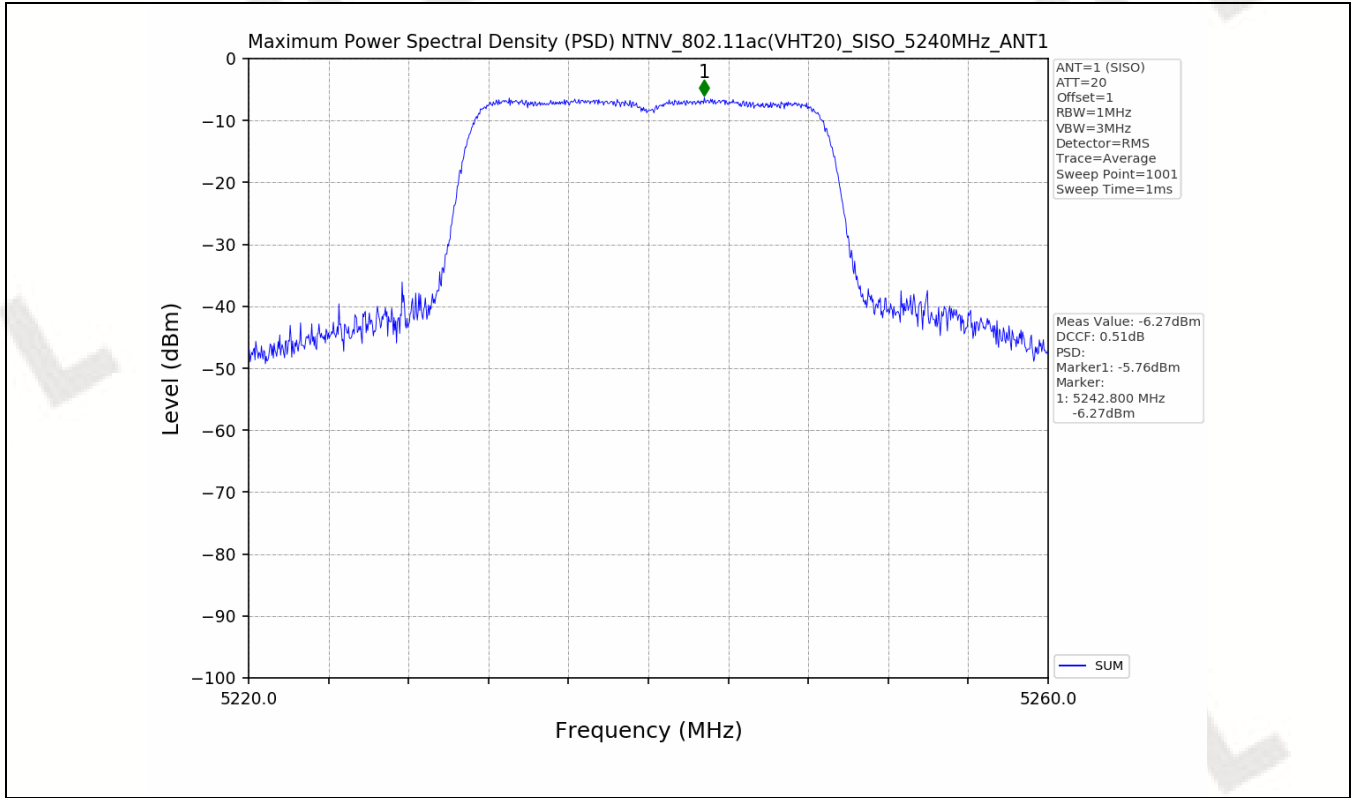


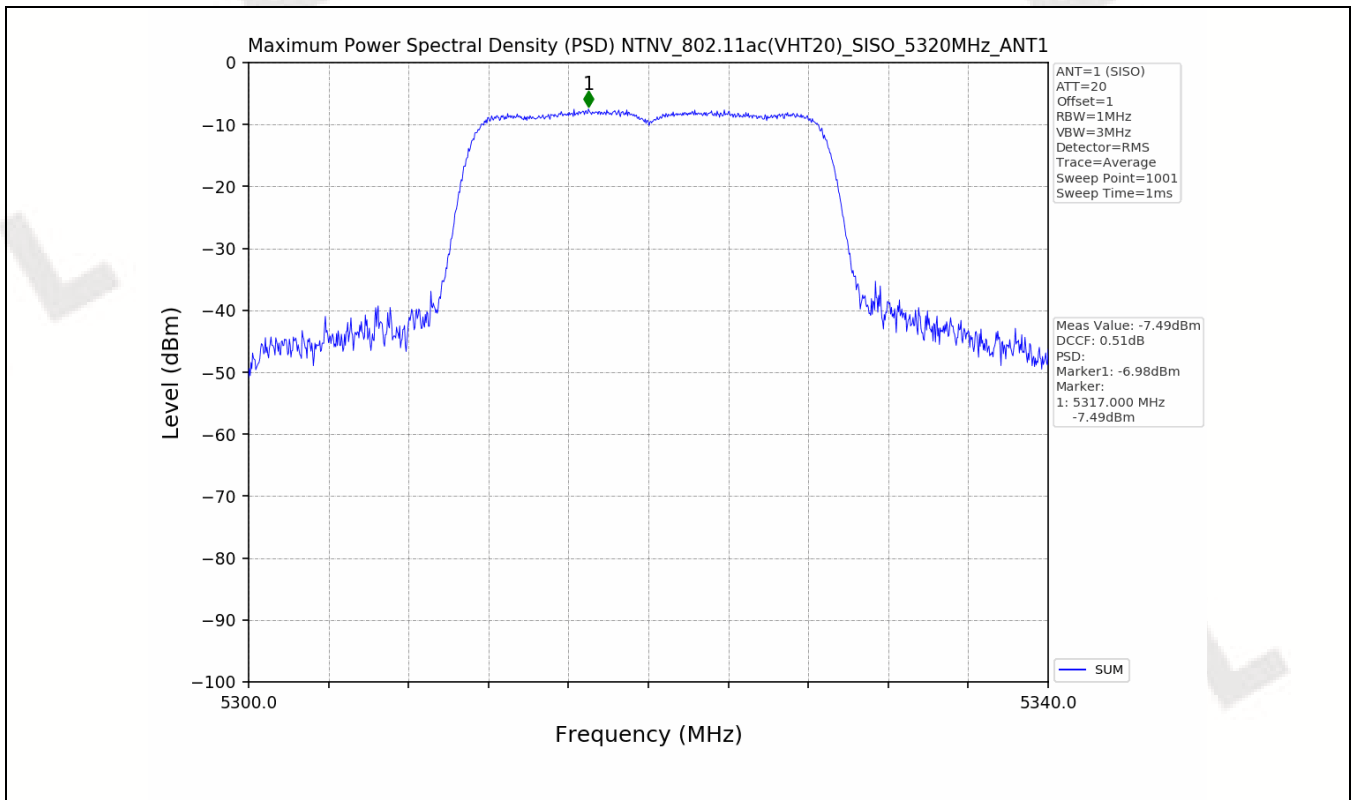
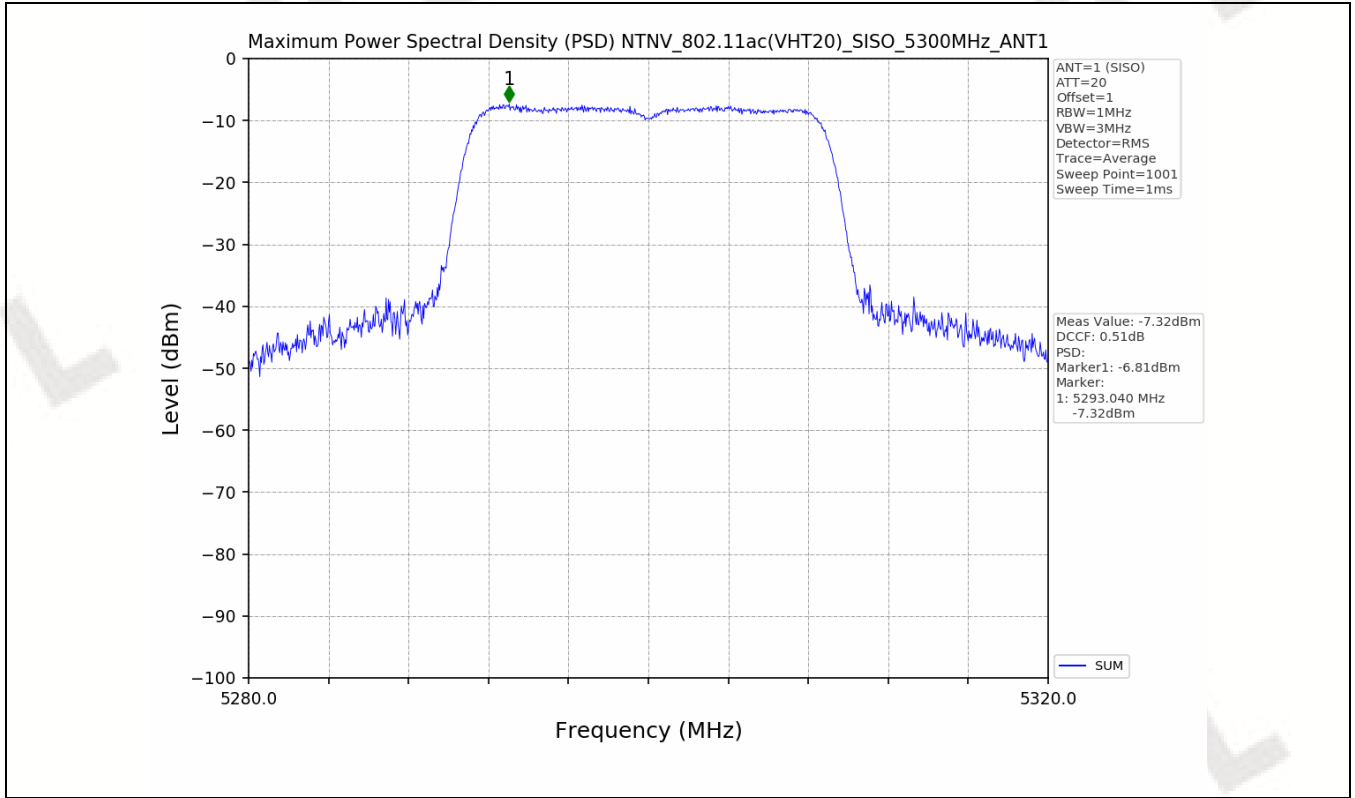


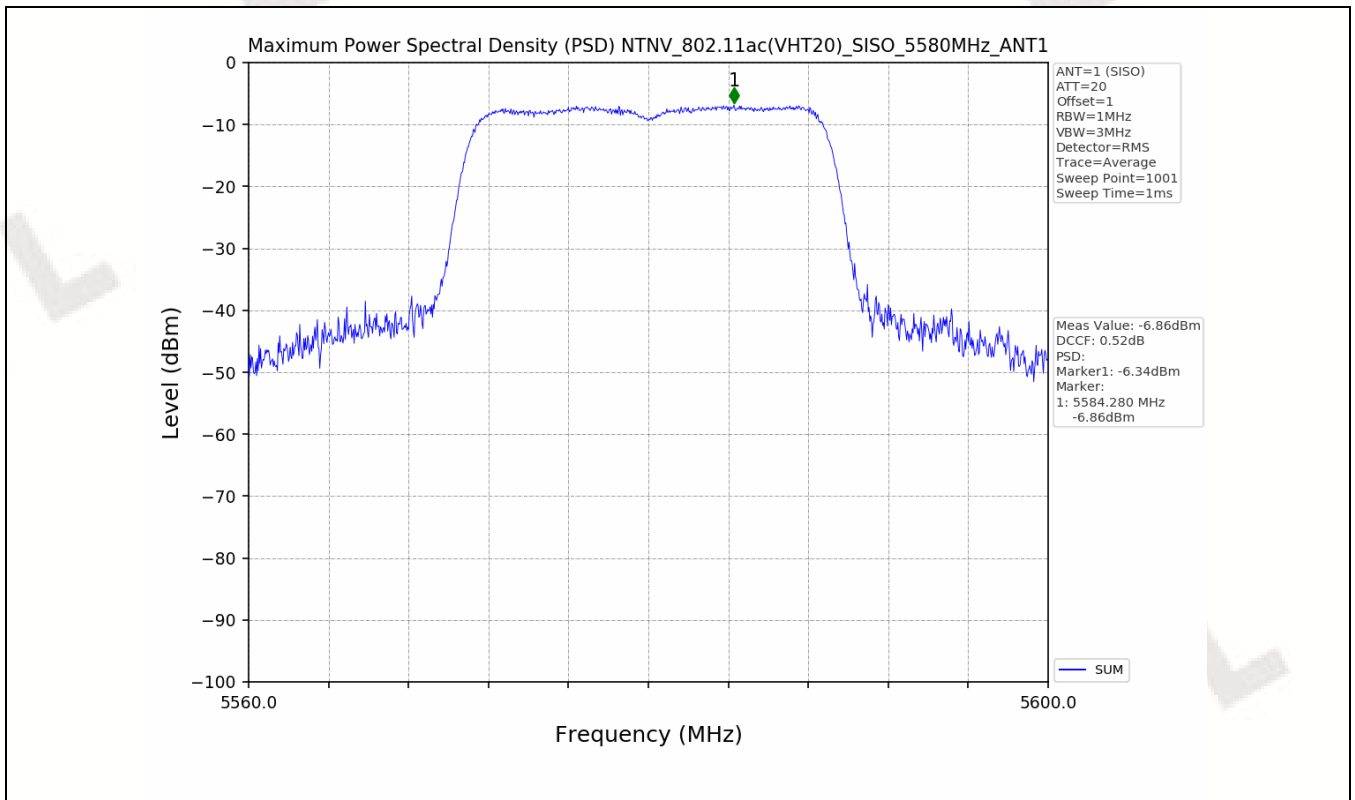
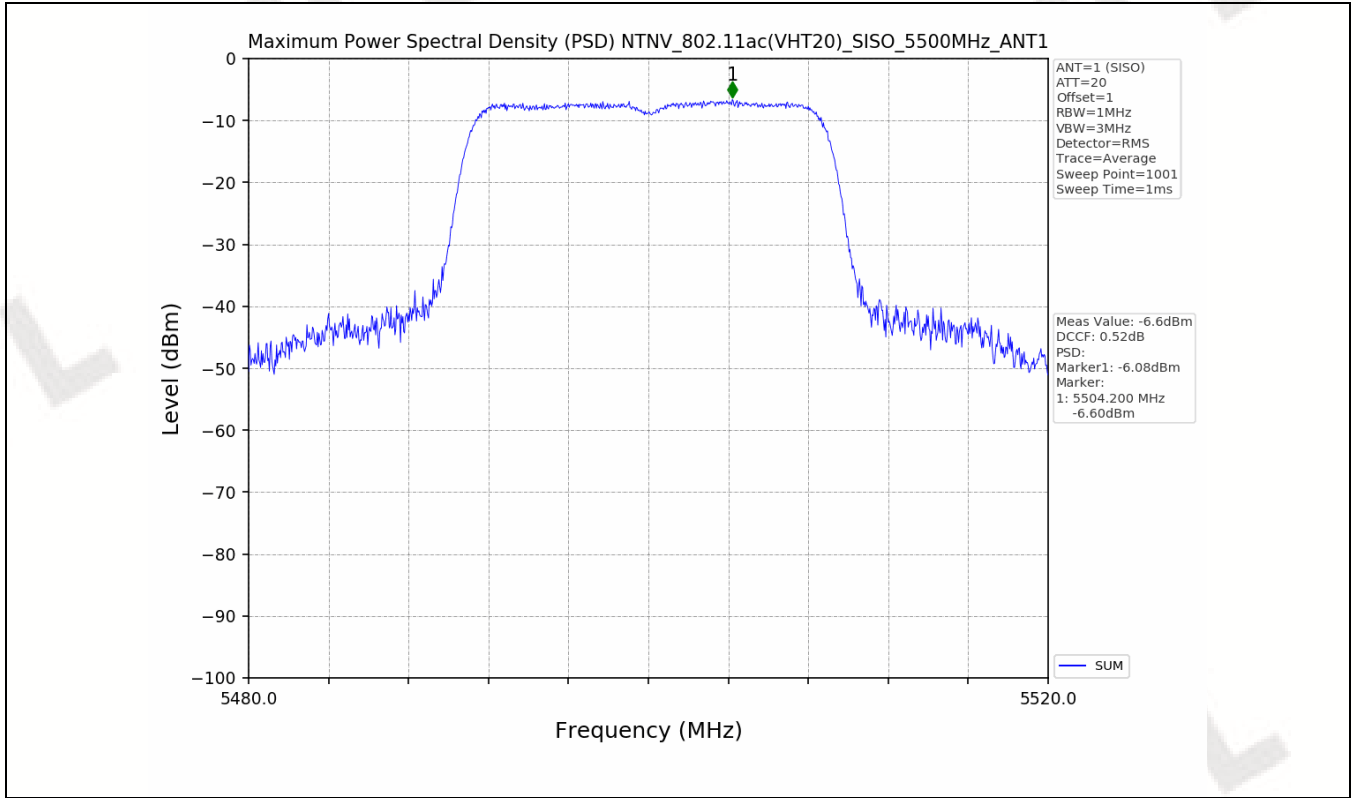


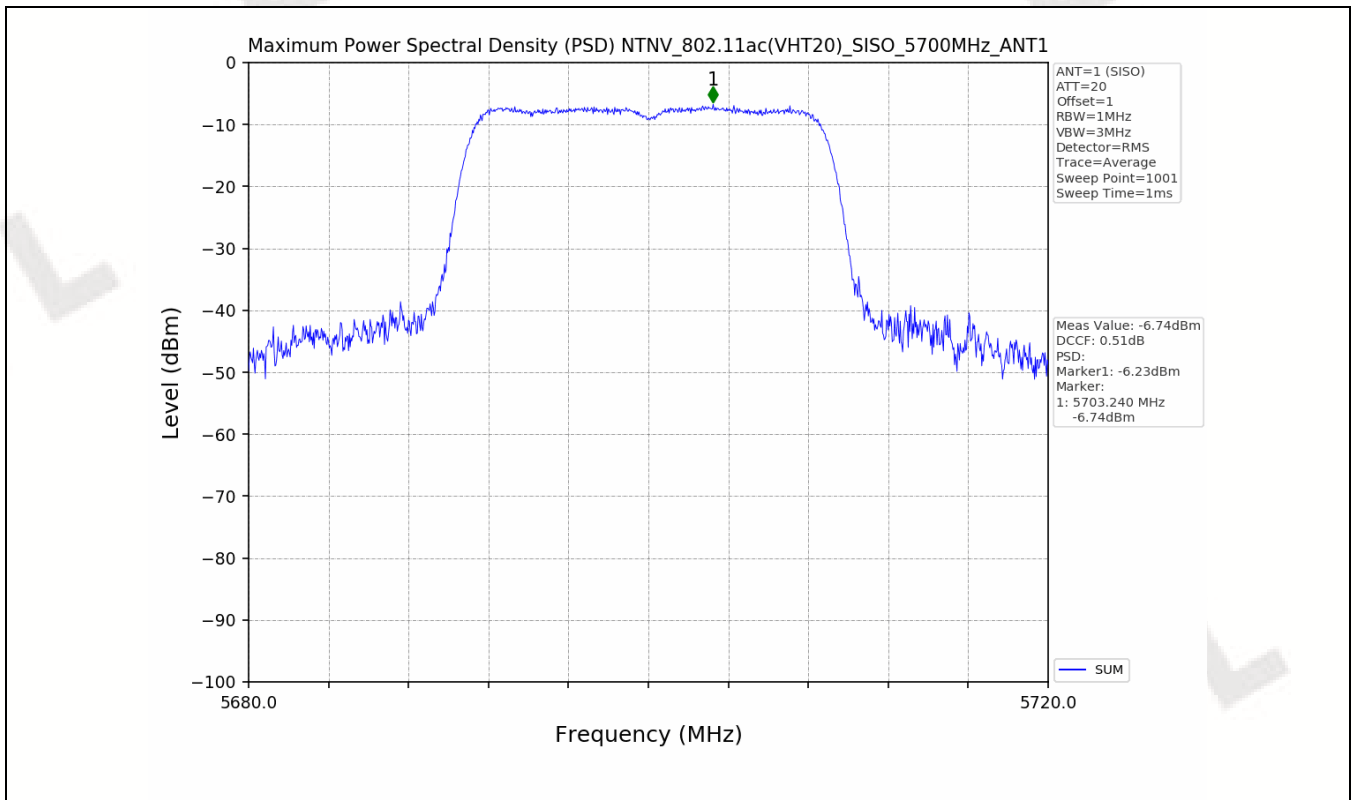
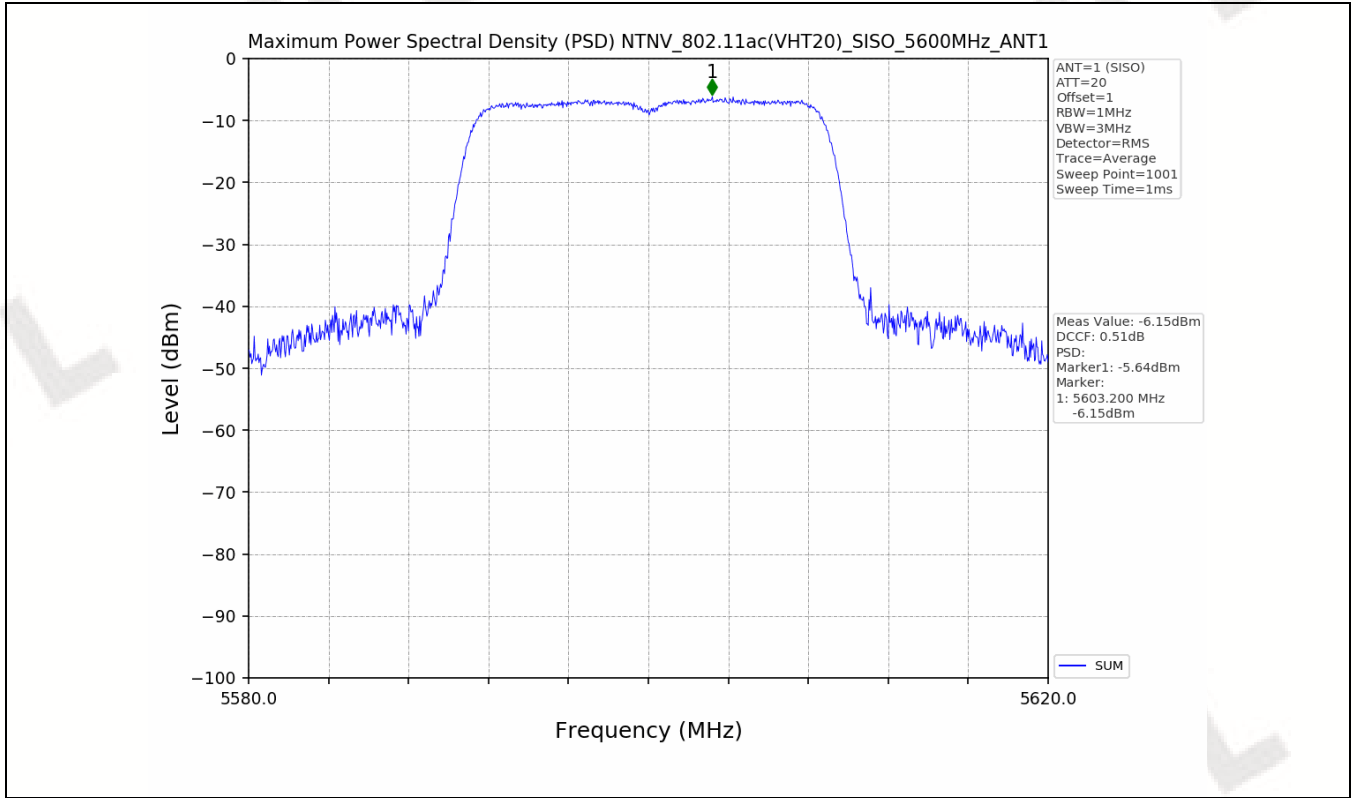


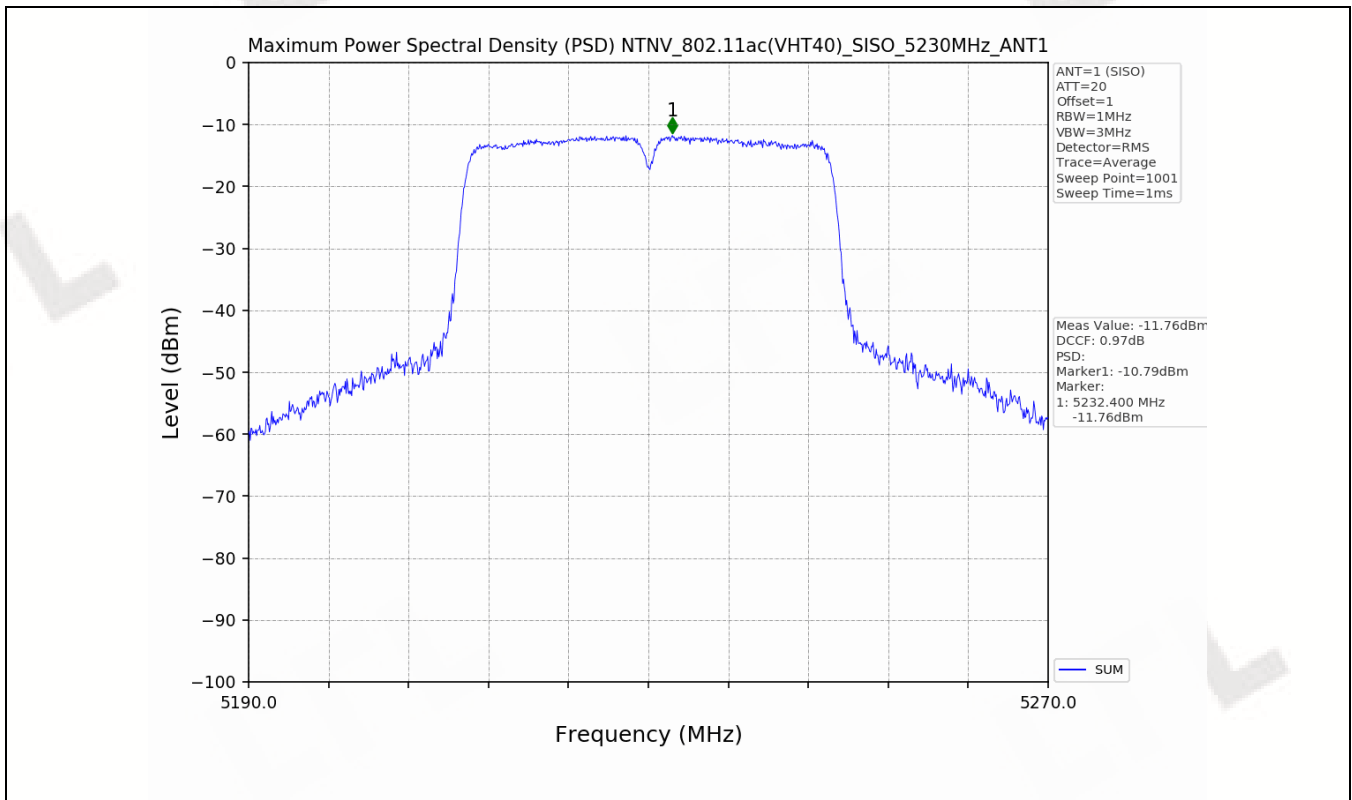
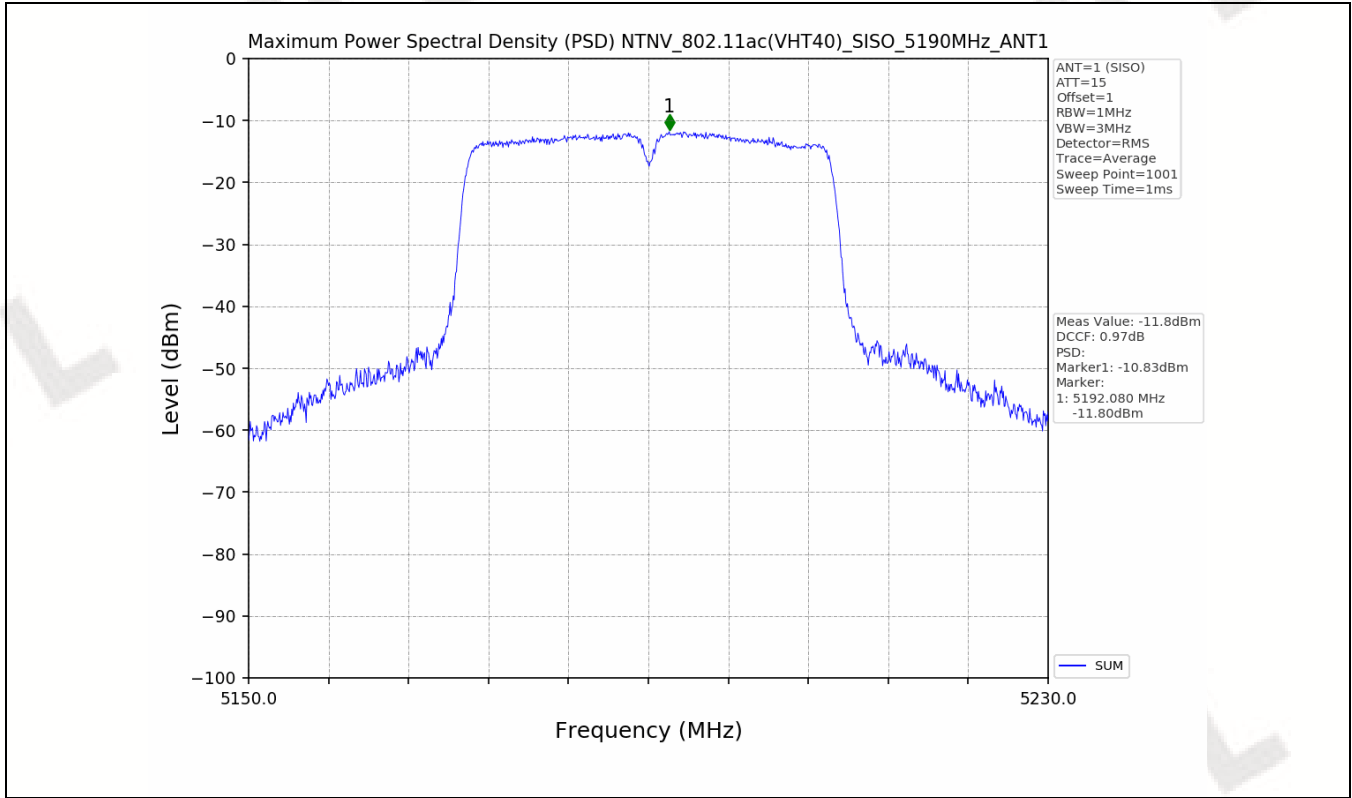


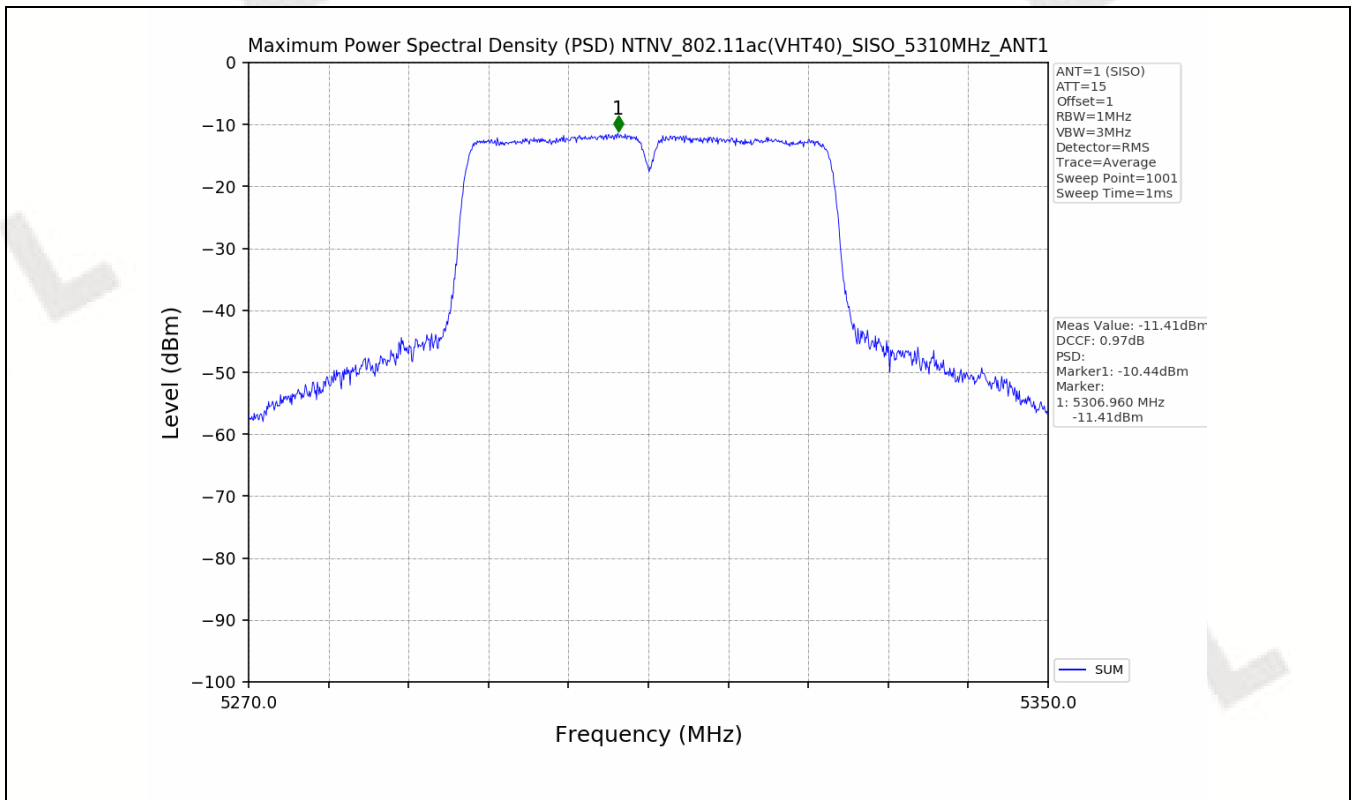
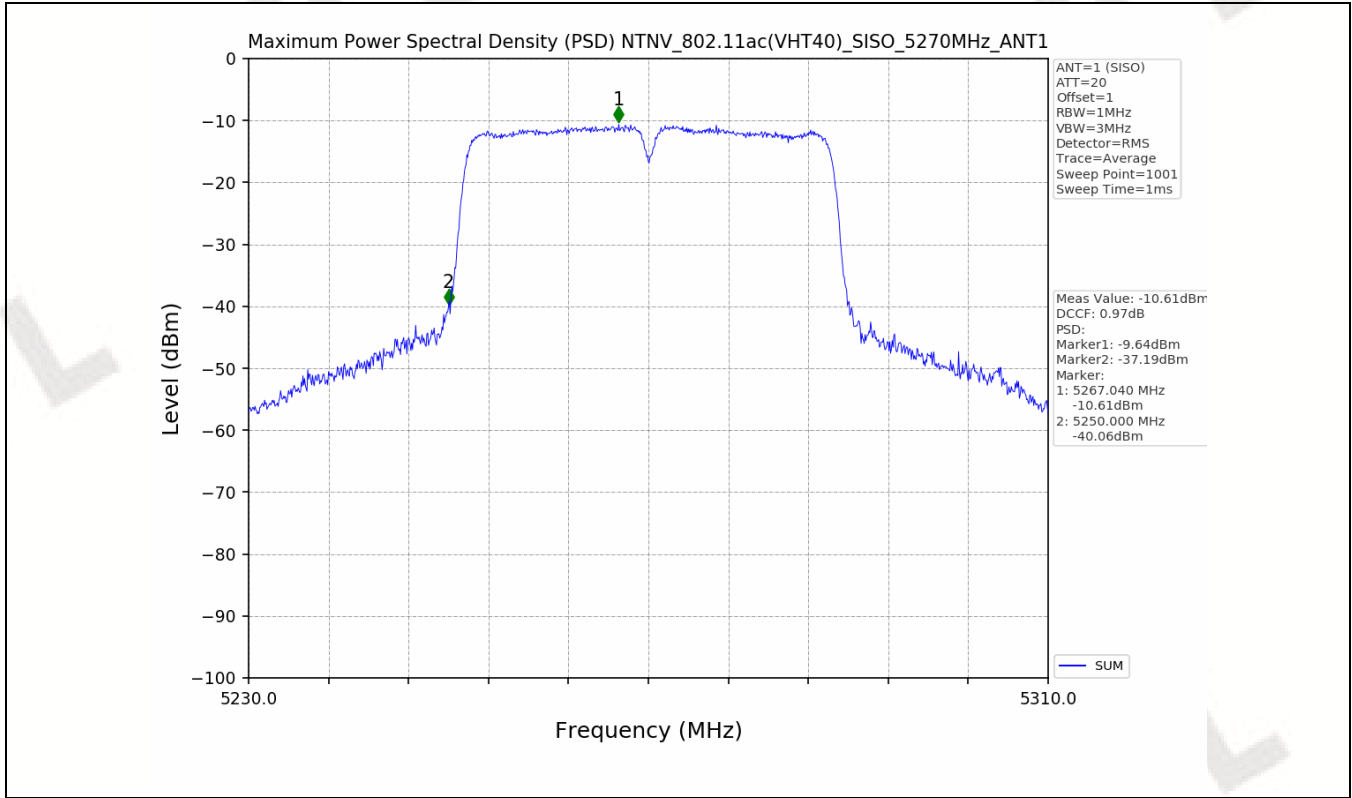


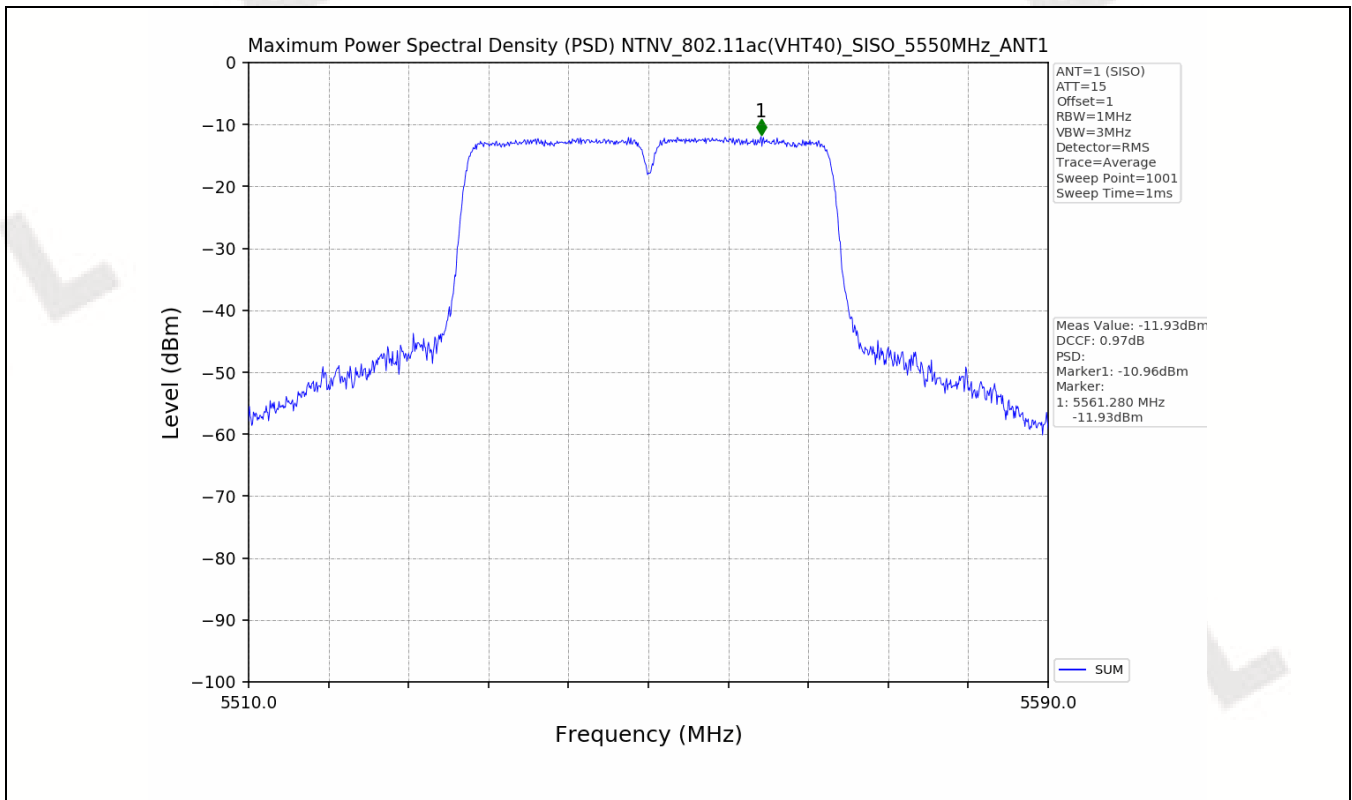
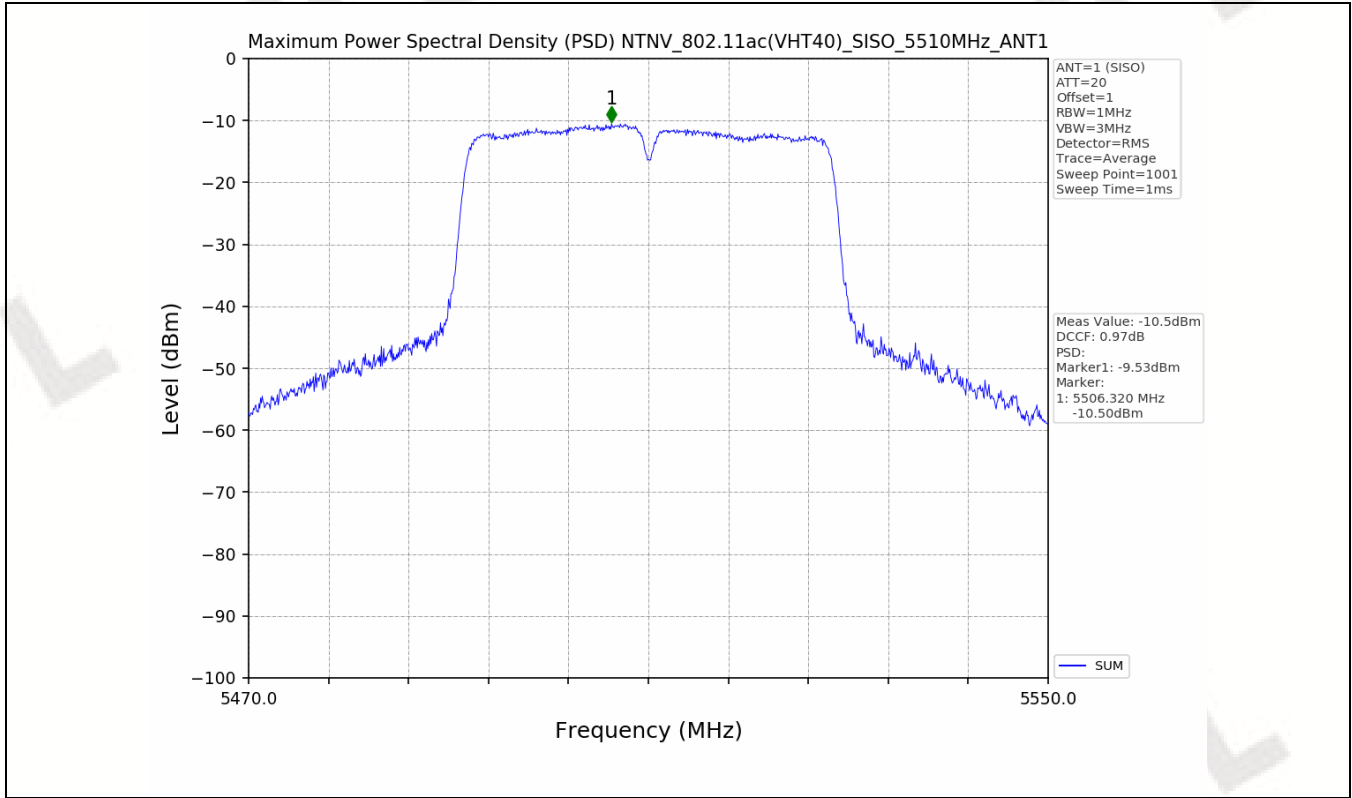


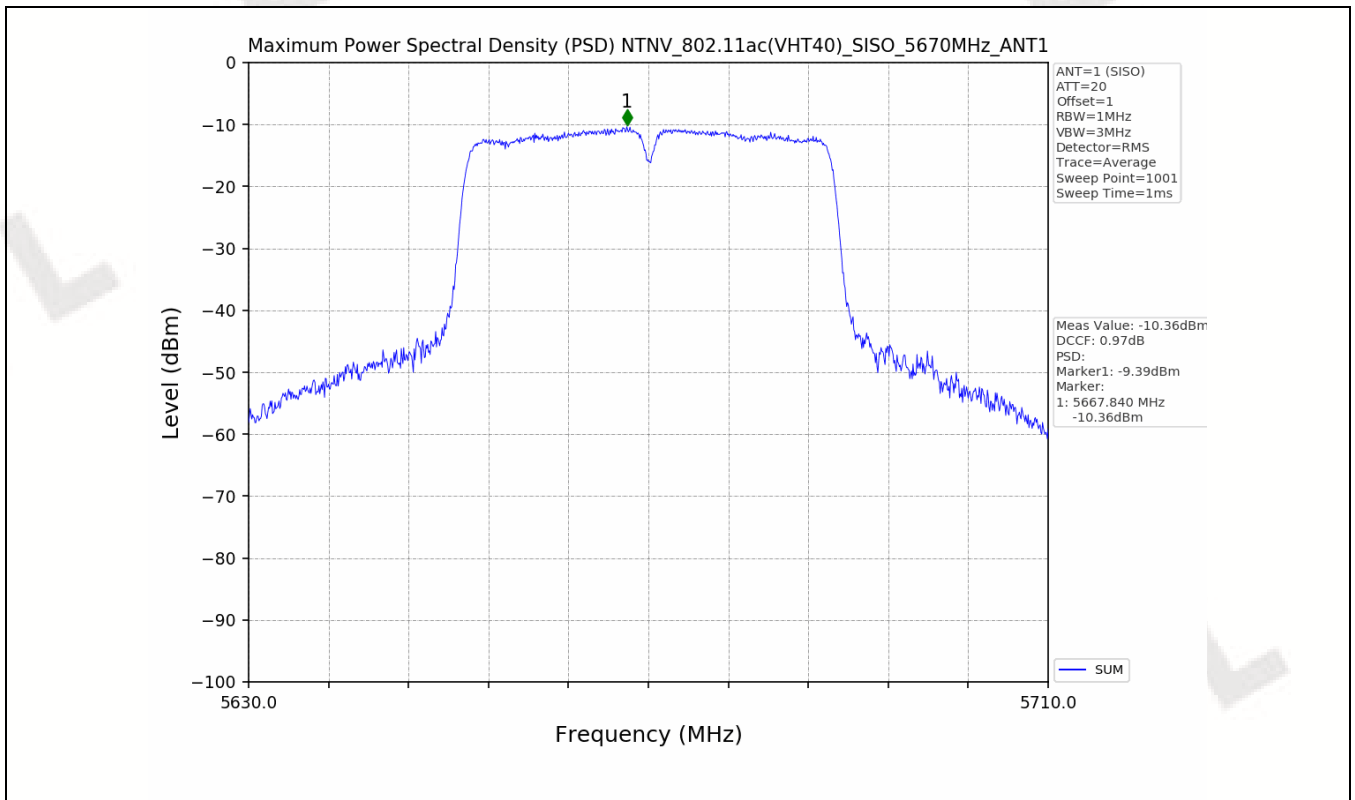
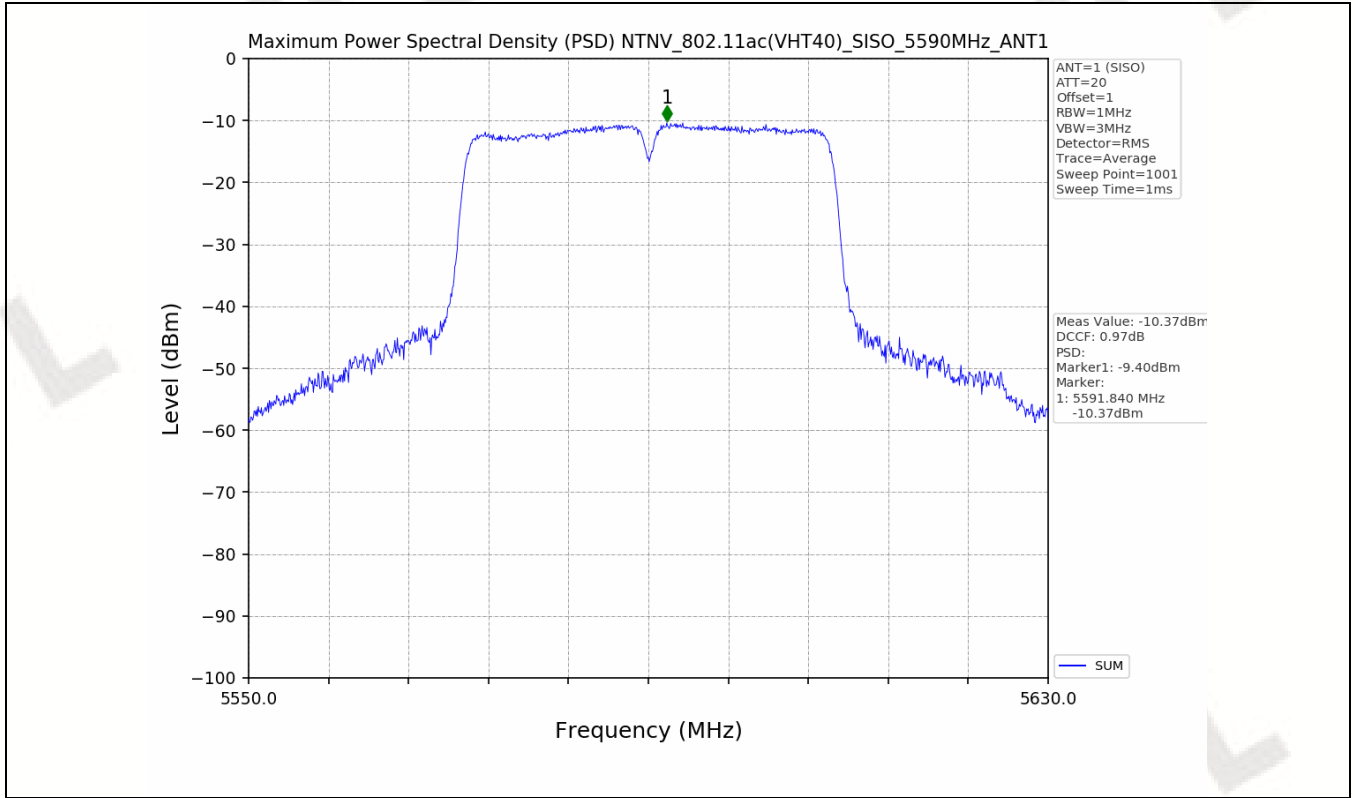


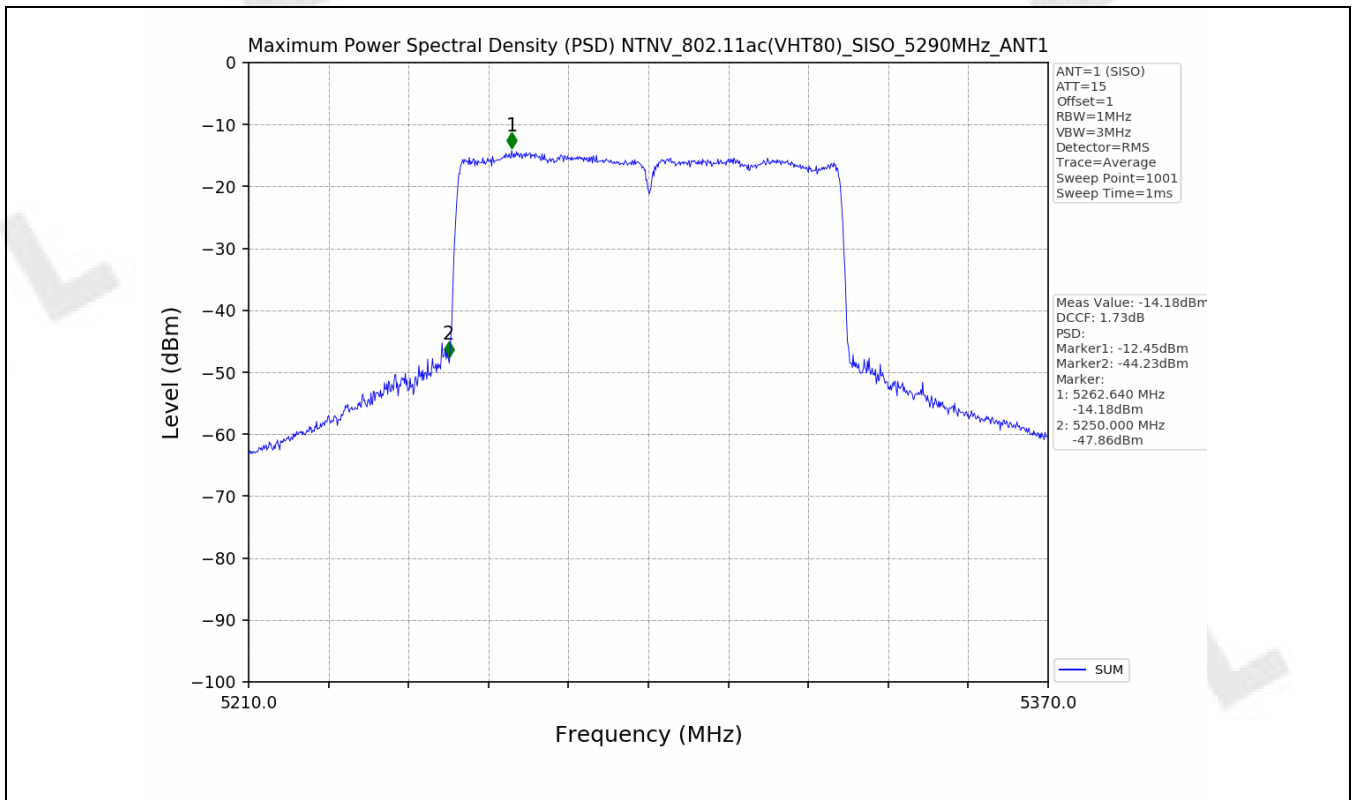
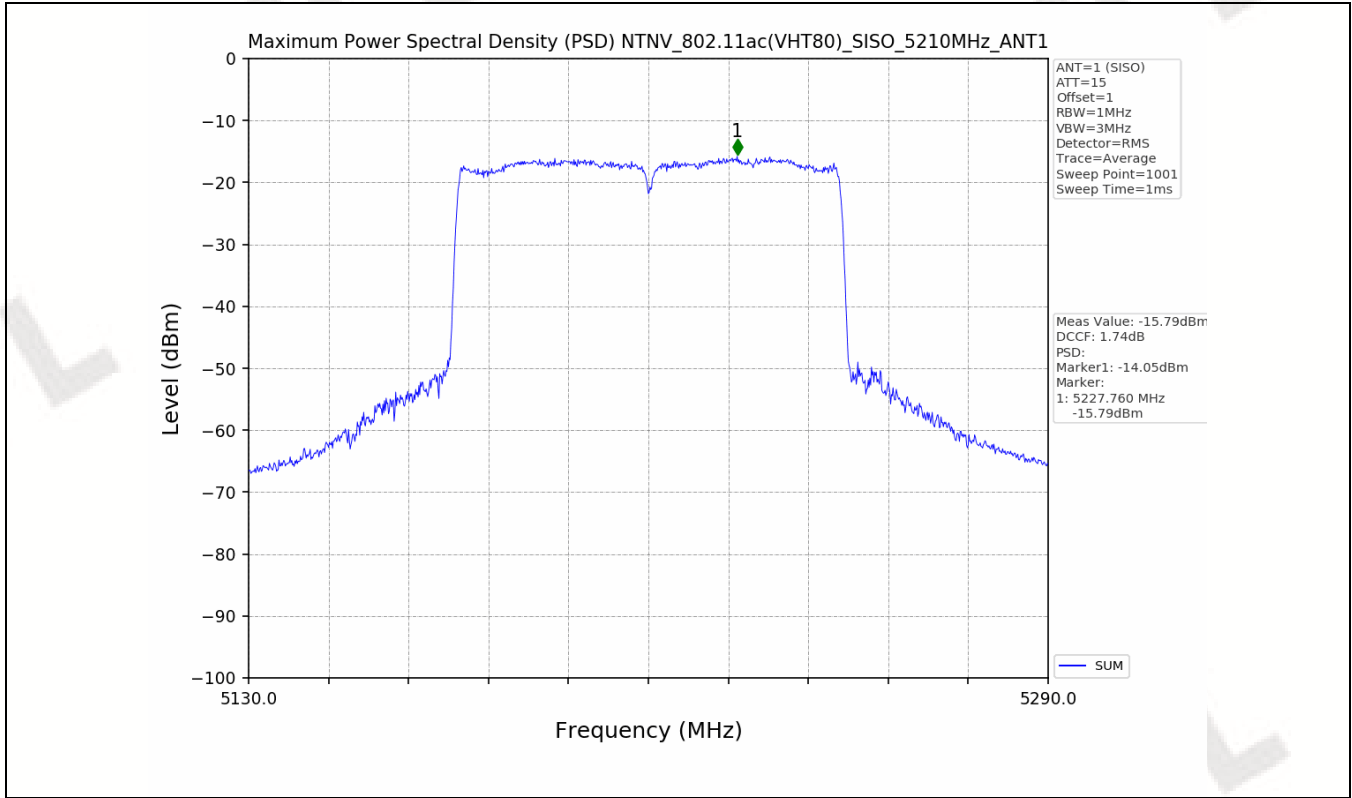


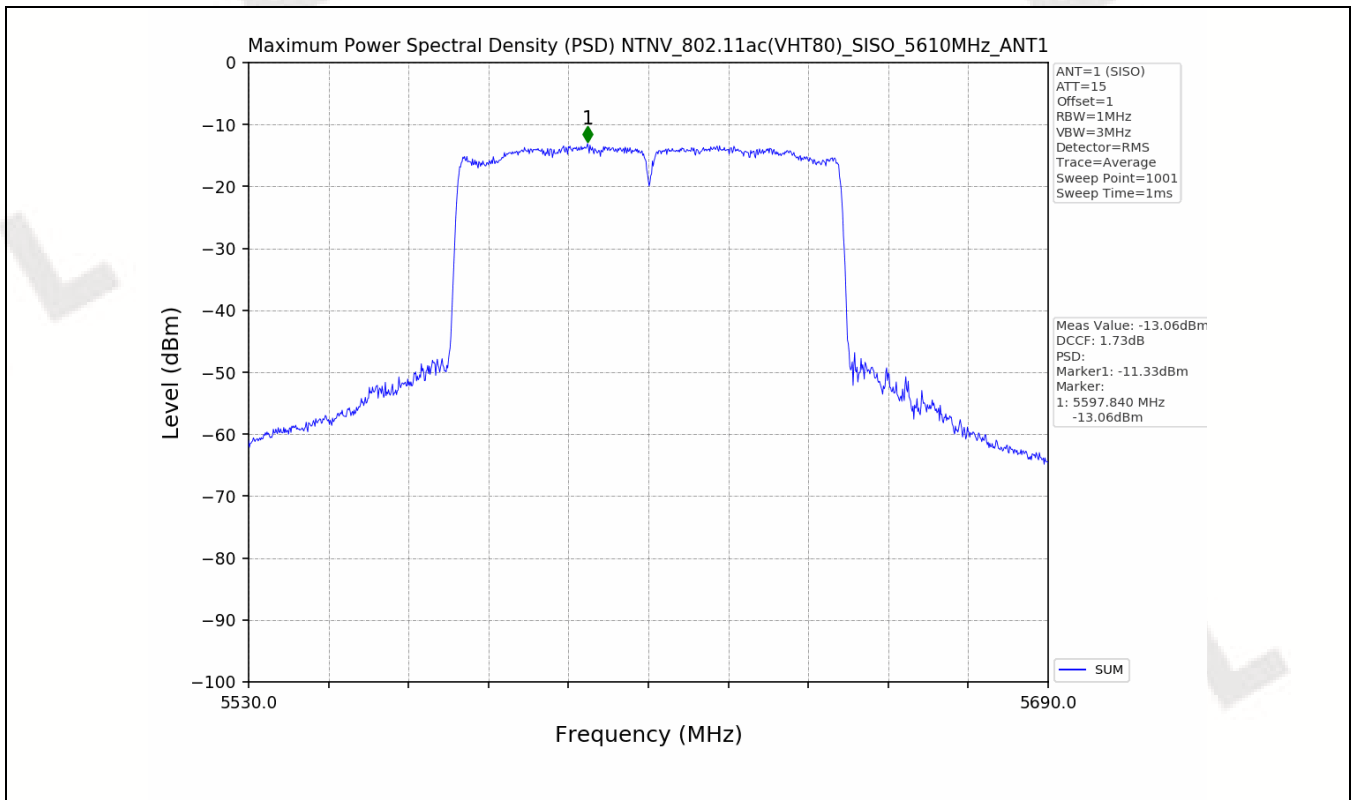
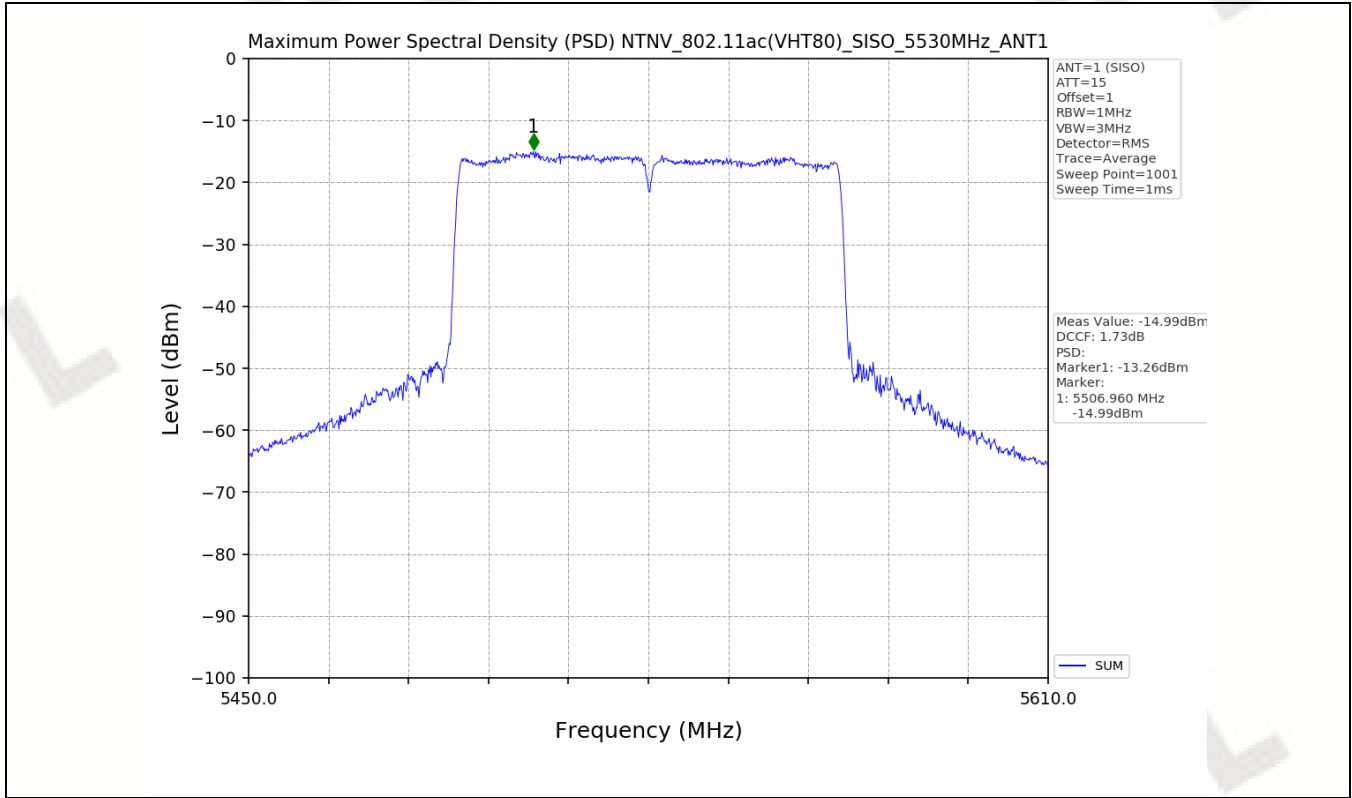


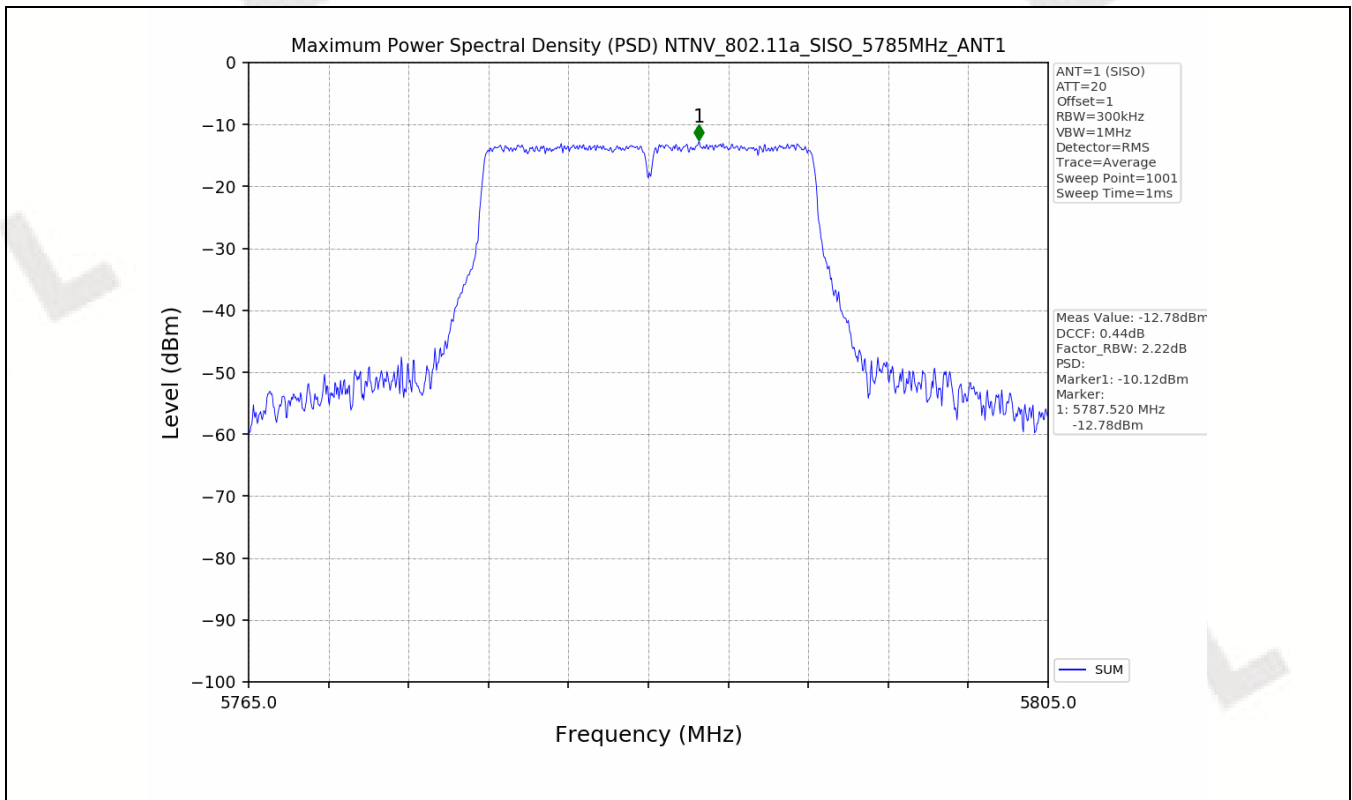
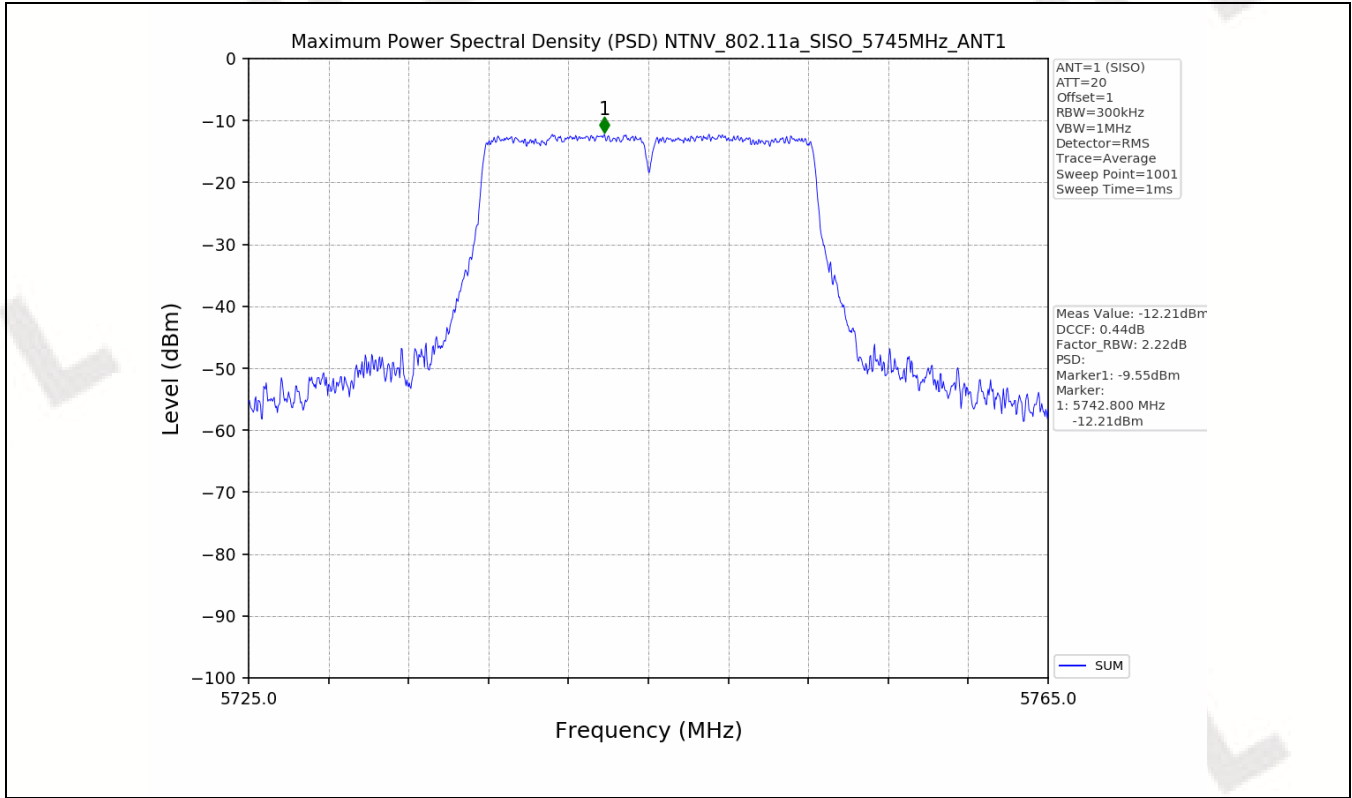


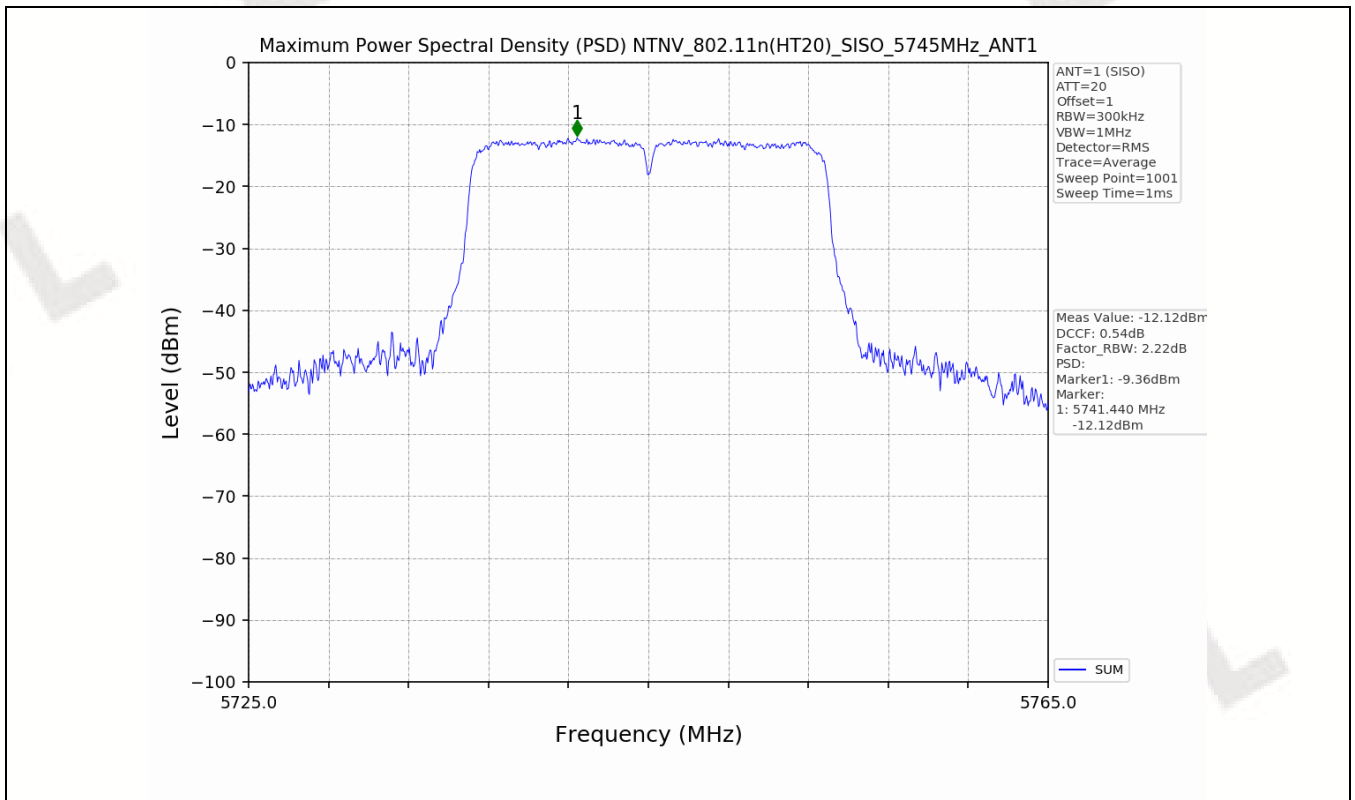
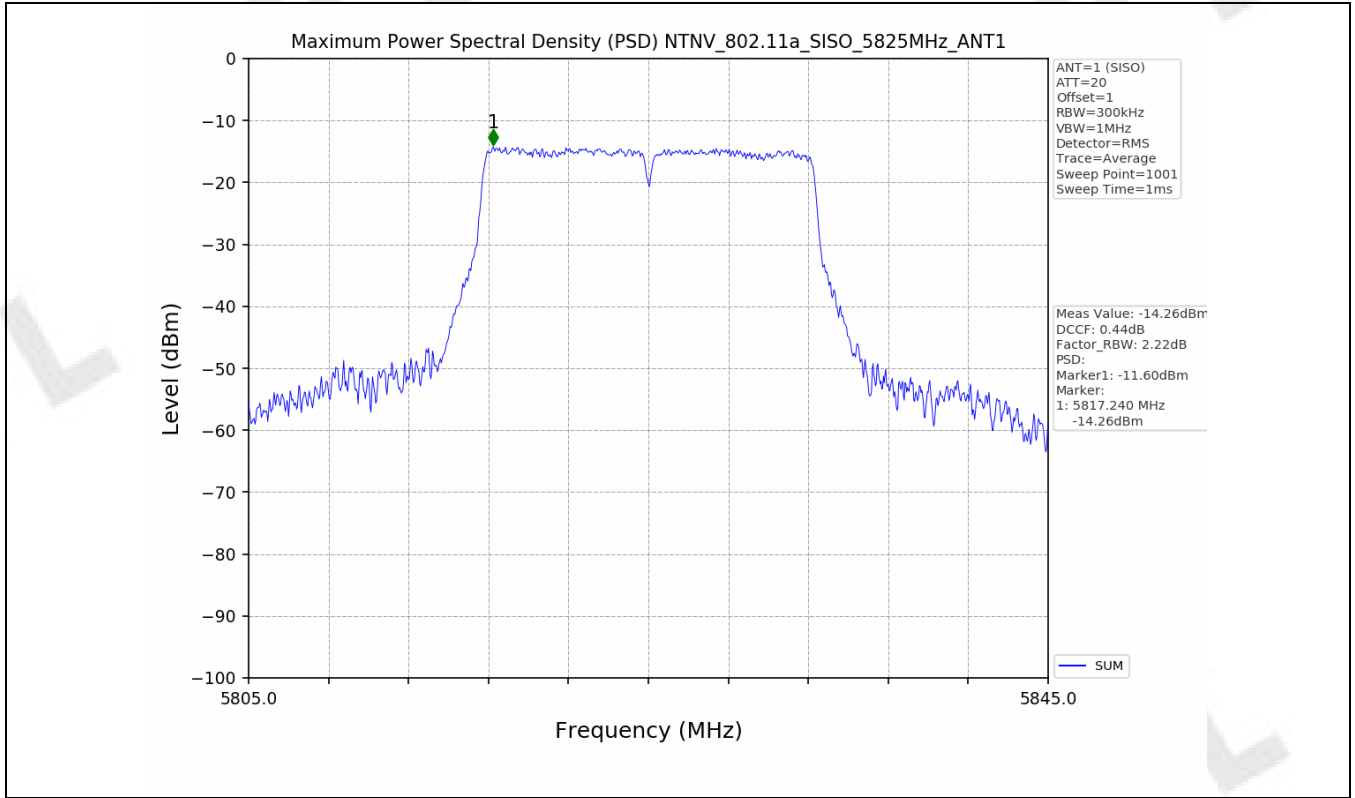


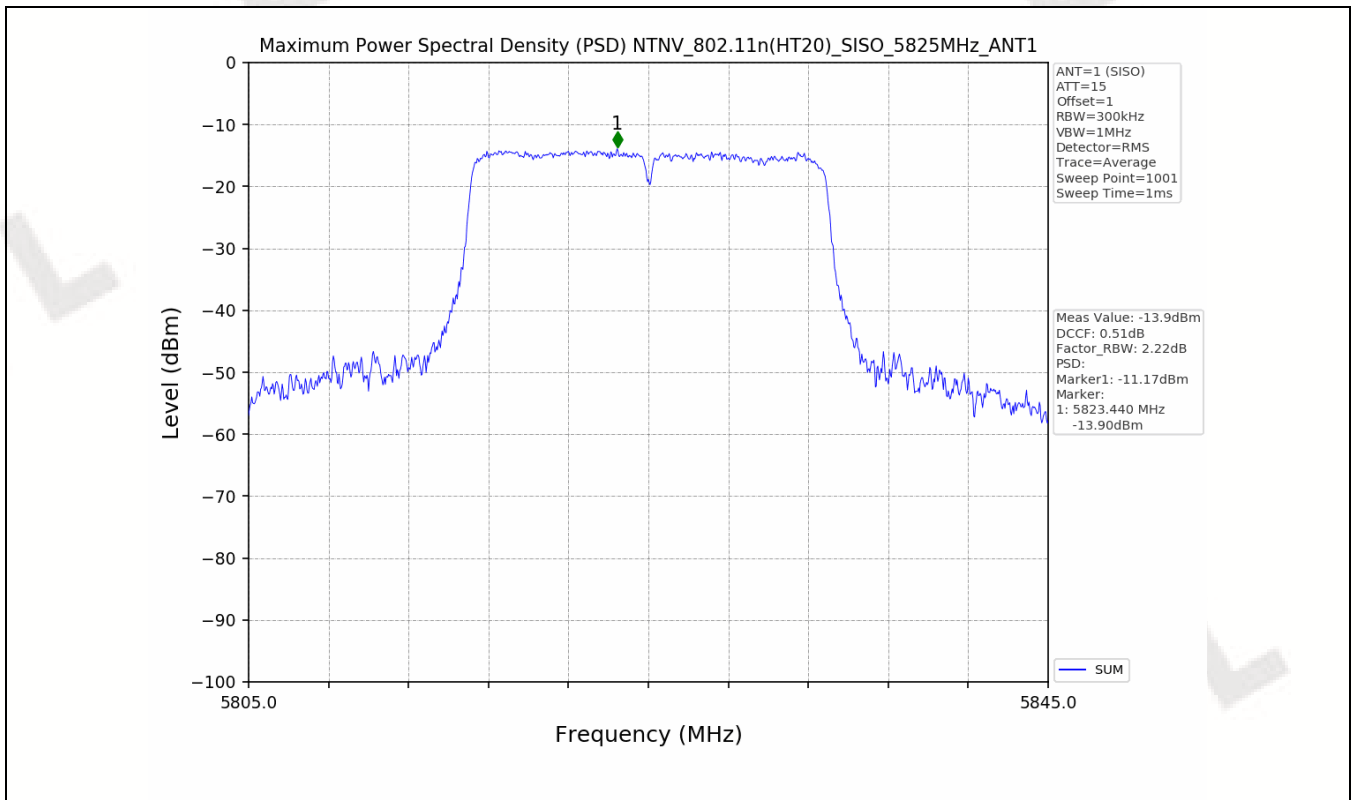
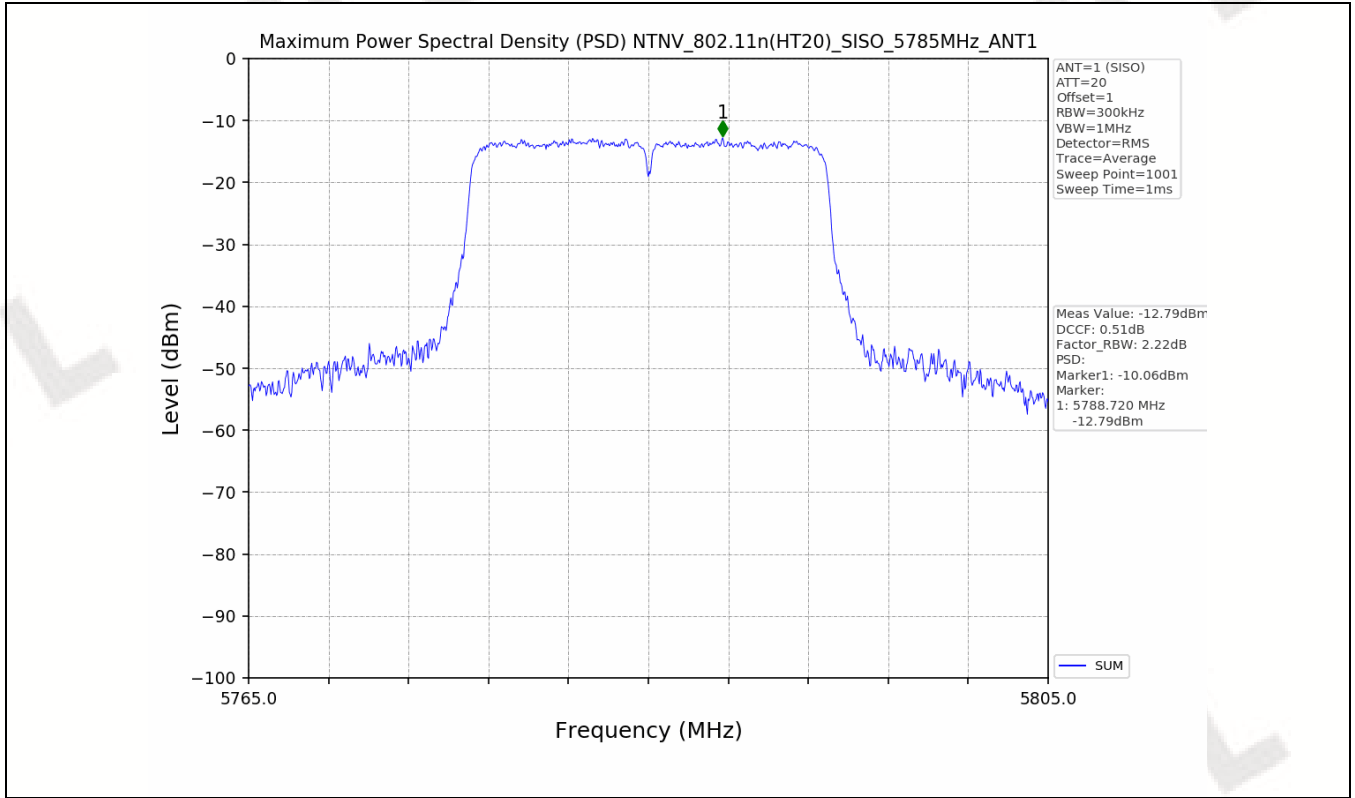


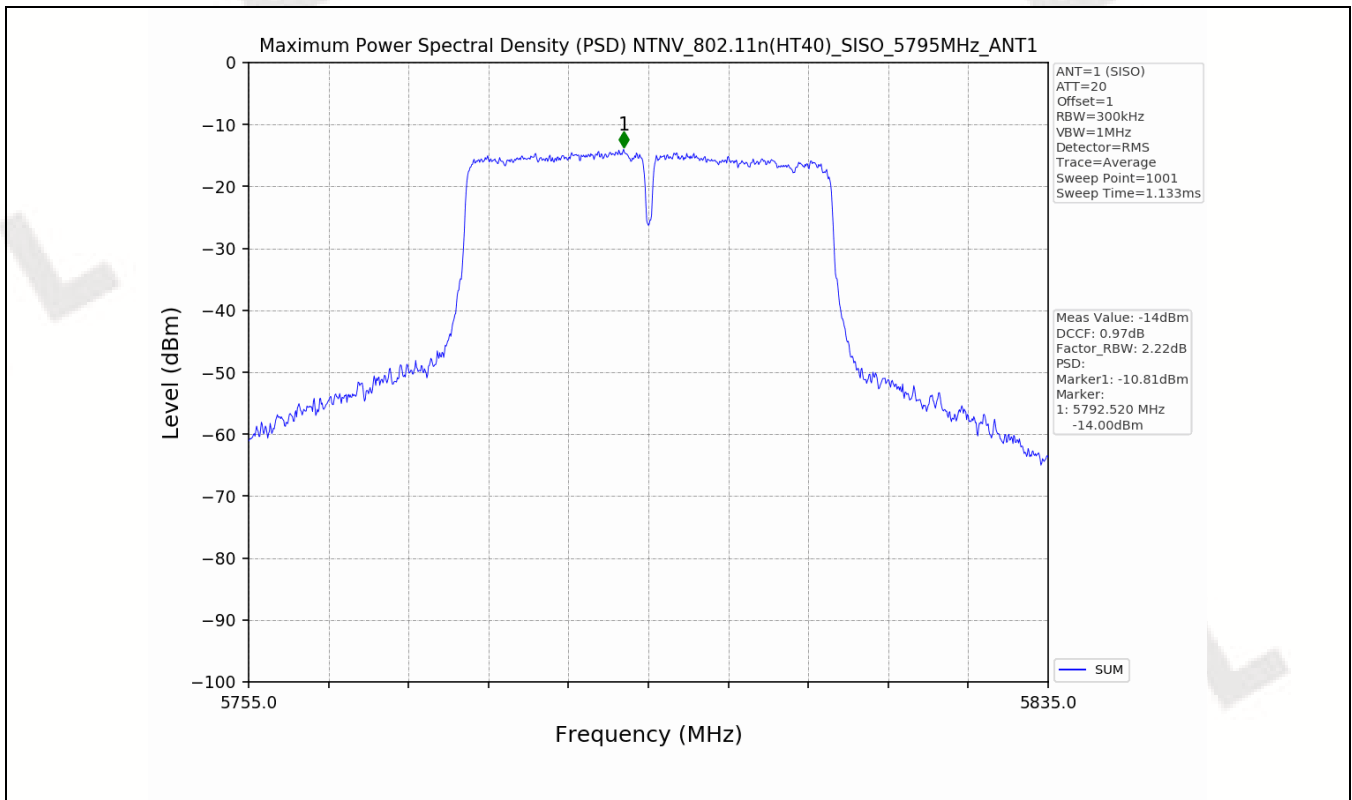
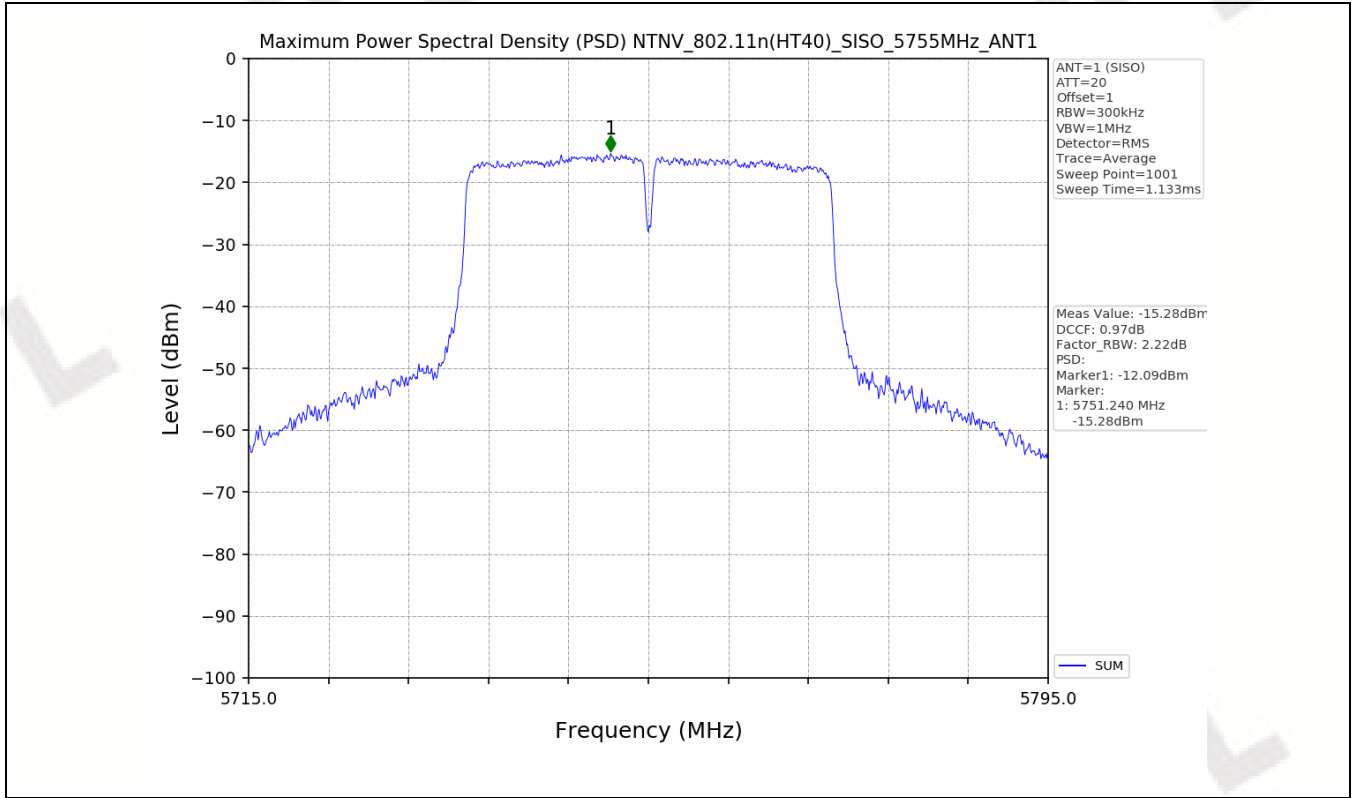


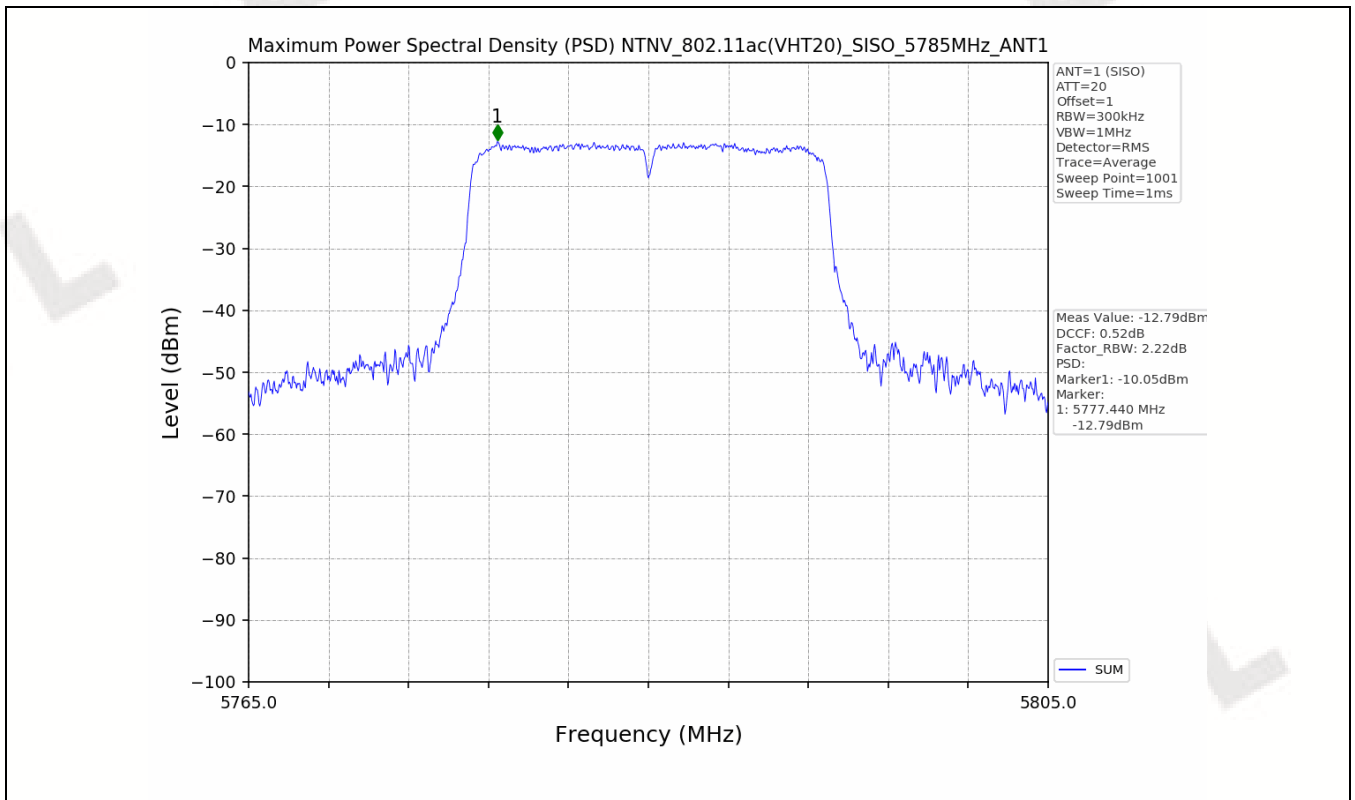
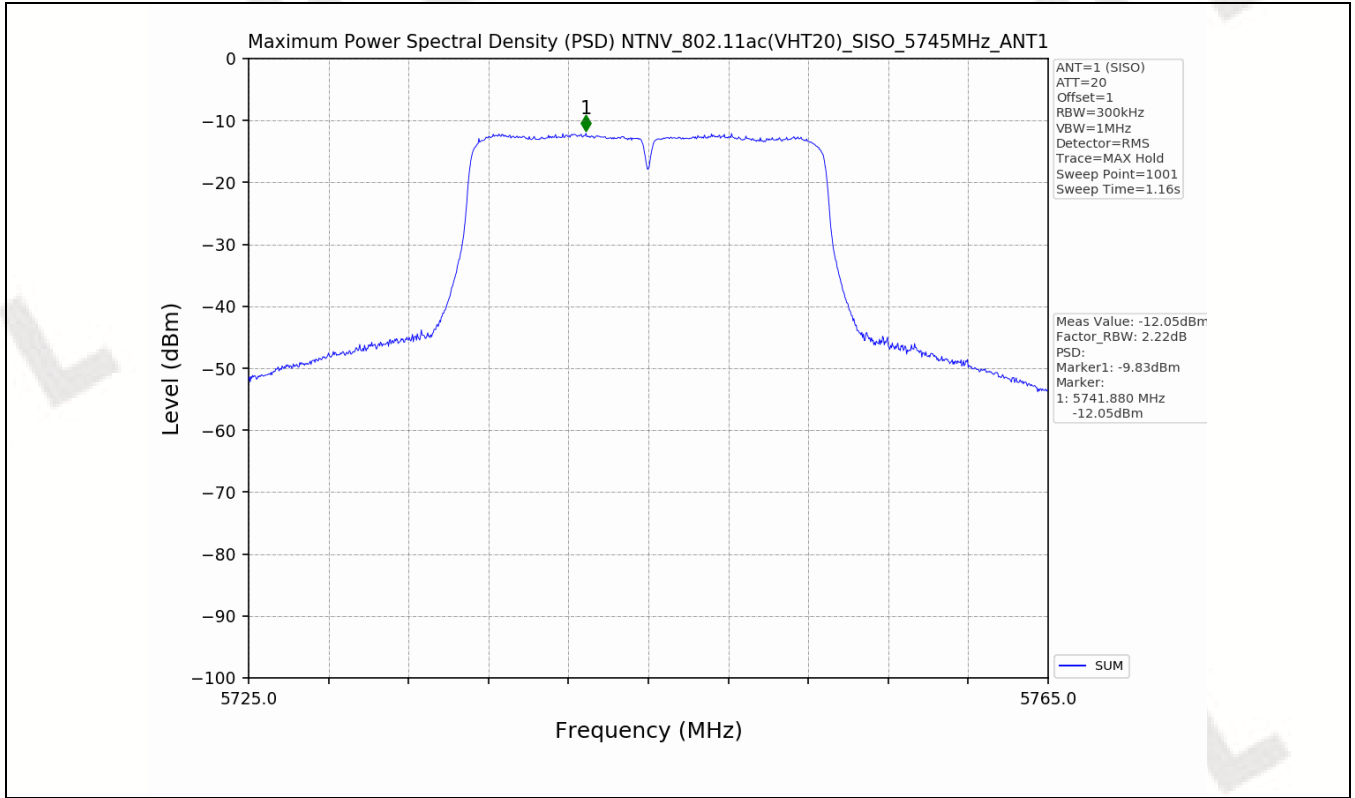


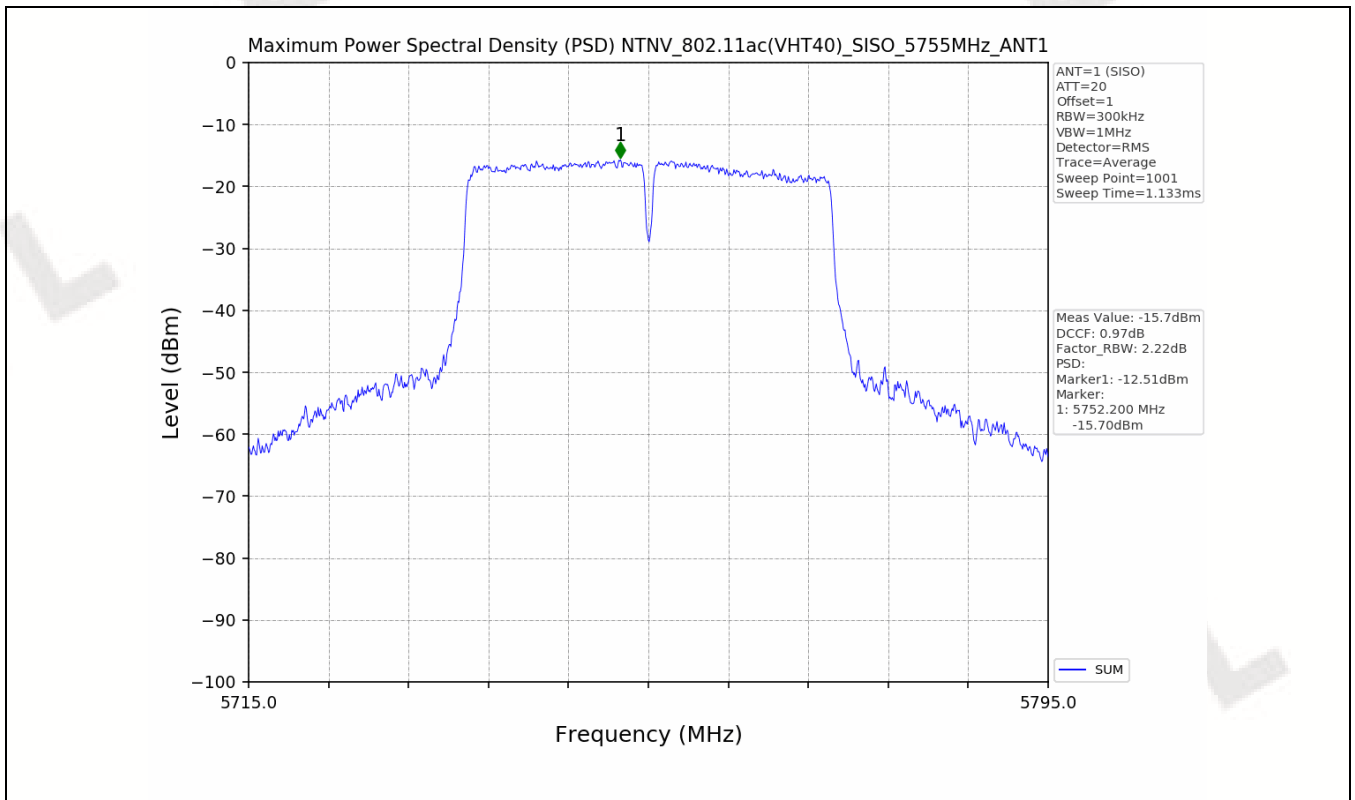
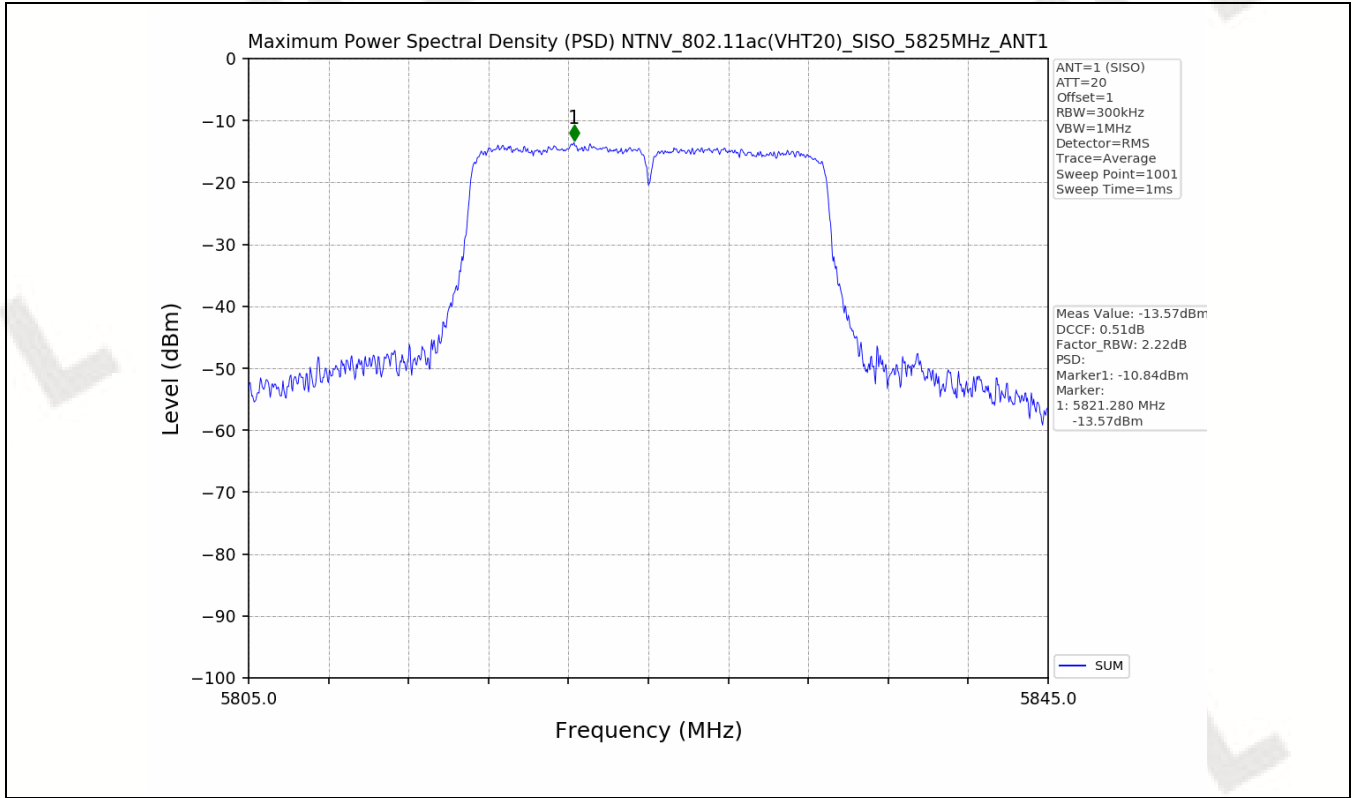


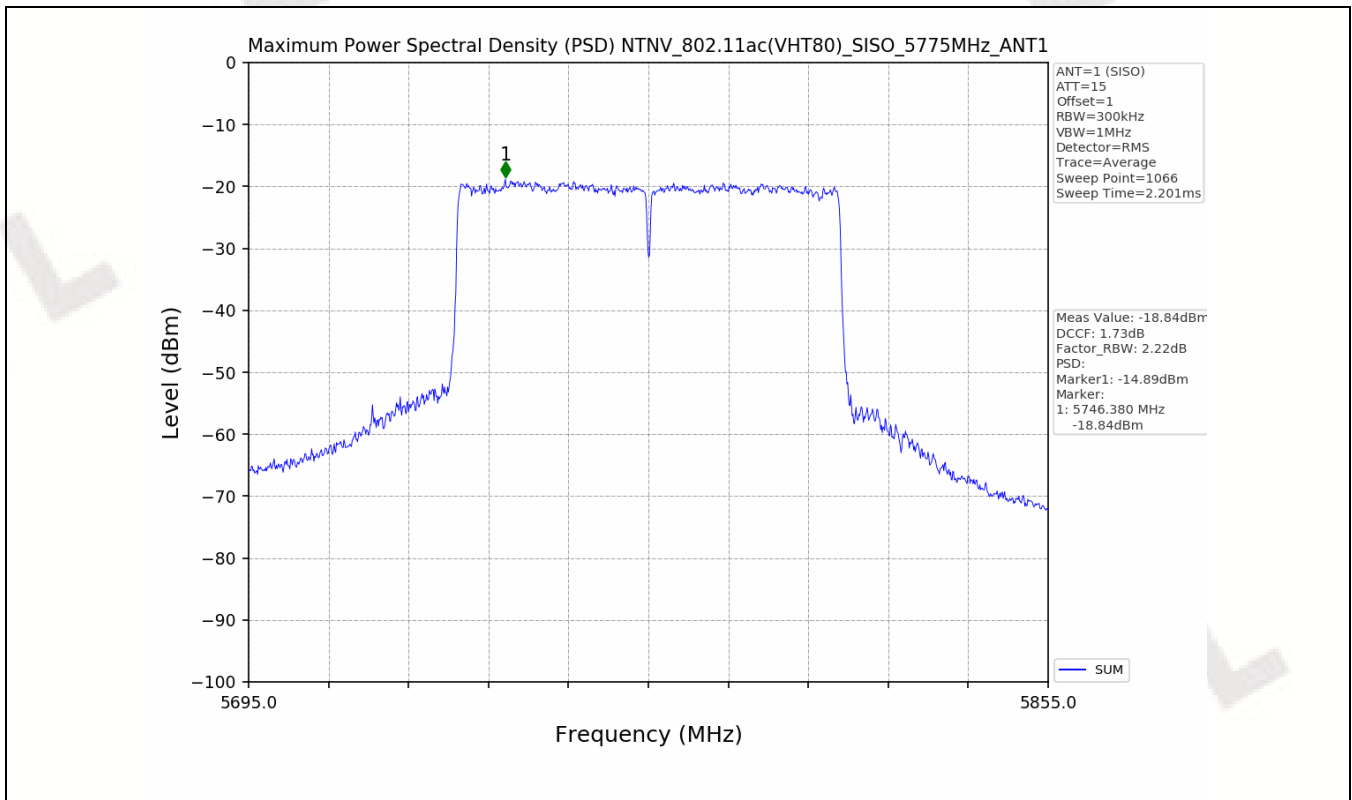
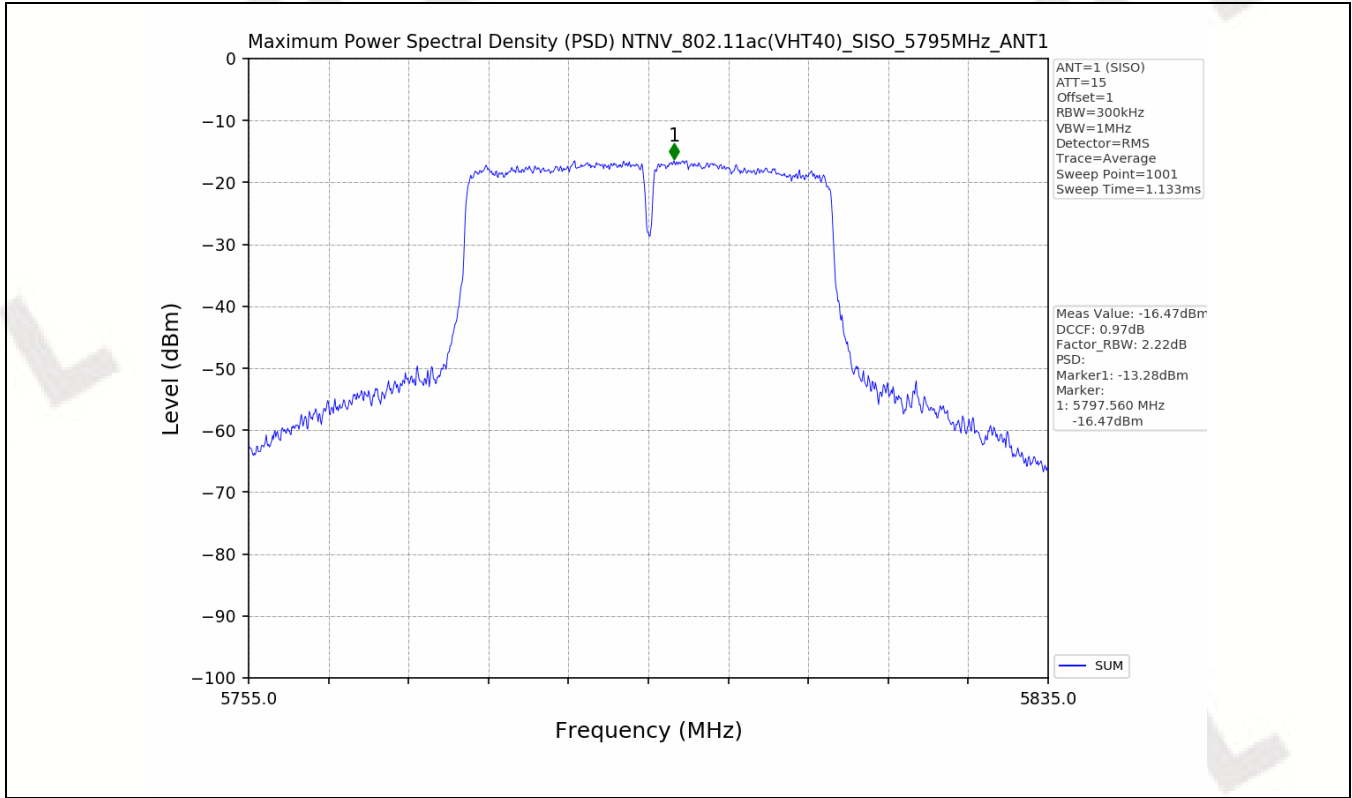












4. Frequency Stability

4.1 Test Result

Reference Frequency: 802.11ac channel=36 frequency=5180MHz					
Voltage (V)	Temperature (°C)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
5.00	-30	69.72	13.46	Within the band of operation	Pass
	-20	61.15	11.81		
	-10	76.48	14.77		
	0	83.08	16.04		
	10	72.49	13.99		
	20	71.18	13.74		
	30	81.78	15.79		
	40	99.50	19.21		
5.50	25	68.01	13.13		
4.50	25	83.70	16.16		

Reference Frequency: 802.11ac channel=52 frequency=5260MHz					
Voltage (V)	Temperature (°C)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
5.00	-30	69.99	13.51	Within the band of operation	Pass
	-20	61.11	11.80		
	-10	76.79	14.83		
	0	83.32	16.09		
	10	72.14	13.93		
	20	70.91	13.69		
	30	81.78	15.79		
	40	99.51	19.21		
5.50	25	67.99	13.13		
4.50	25	83.73	16.16		

Reference Frequency: 802.11ac channel=100 frequency=5500MHz					
Voltage (V)	Temperature (°C)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
5.00	-30	69.97	13.51	Within the band of	Pass
	-20	60.81	11.74		

	-10	76.73	14.81	operation	
	0	83.21	16.06		
	10	72.18	13.93		
	20	71.13	13.73		
	30	81.51	15.74		
	40	99.64	19.24		
	50	65.56	12.66		
5.50	25	68.06	13.14		
4.50	25	83.71	16.16		

Reference Frequency: 802.11ac channel=149 frequency=5745MHz

Voltage (V)	Temperature (°C)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
5.00	-30	69.85	13.48	Within the band of operation	Pass
	-20	60.97	11.77		
	-10	76.46	14.76		
	0	83.19	16.06		
	10	72.28	13.95		
	20	70.98	13.70		
	30	81.70	15.77		
	40	99.48	19.21		
	50	65.78	12.70		
5.50	25	67.83	13.09		
4.50	25	83.90	16.20		