

Appendix for 15.247

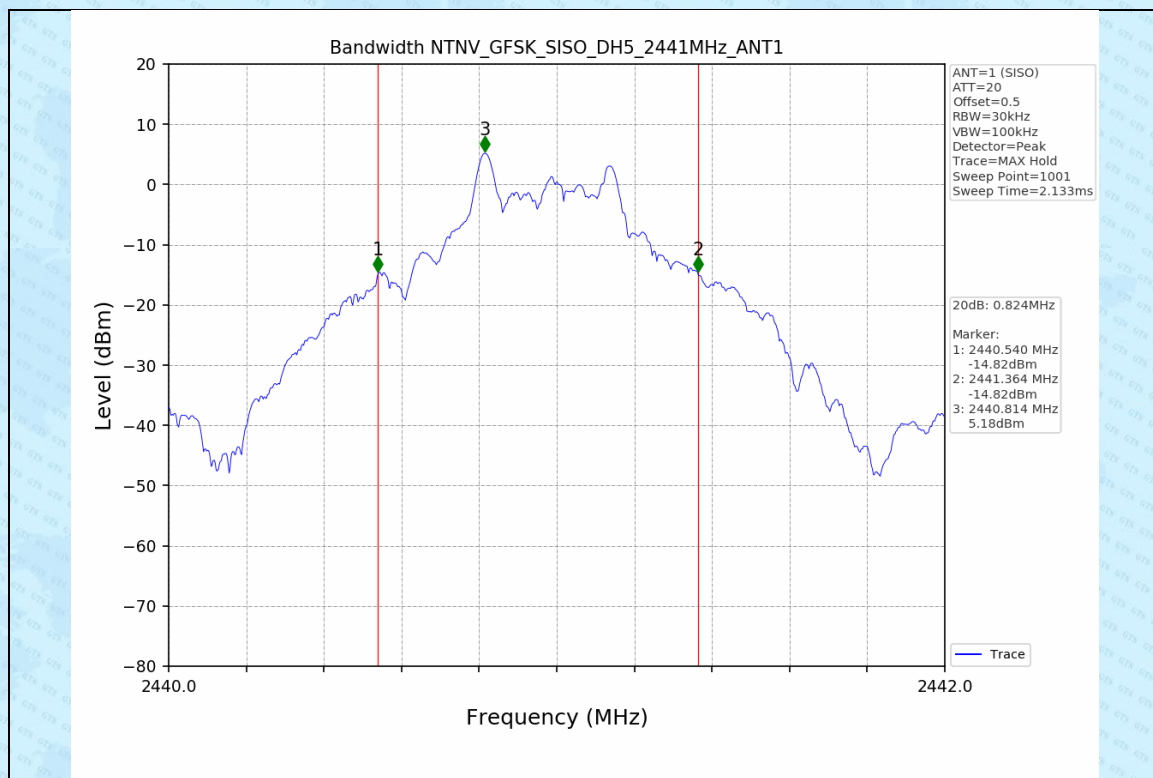
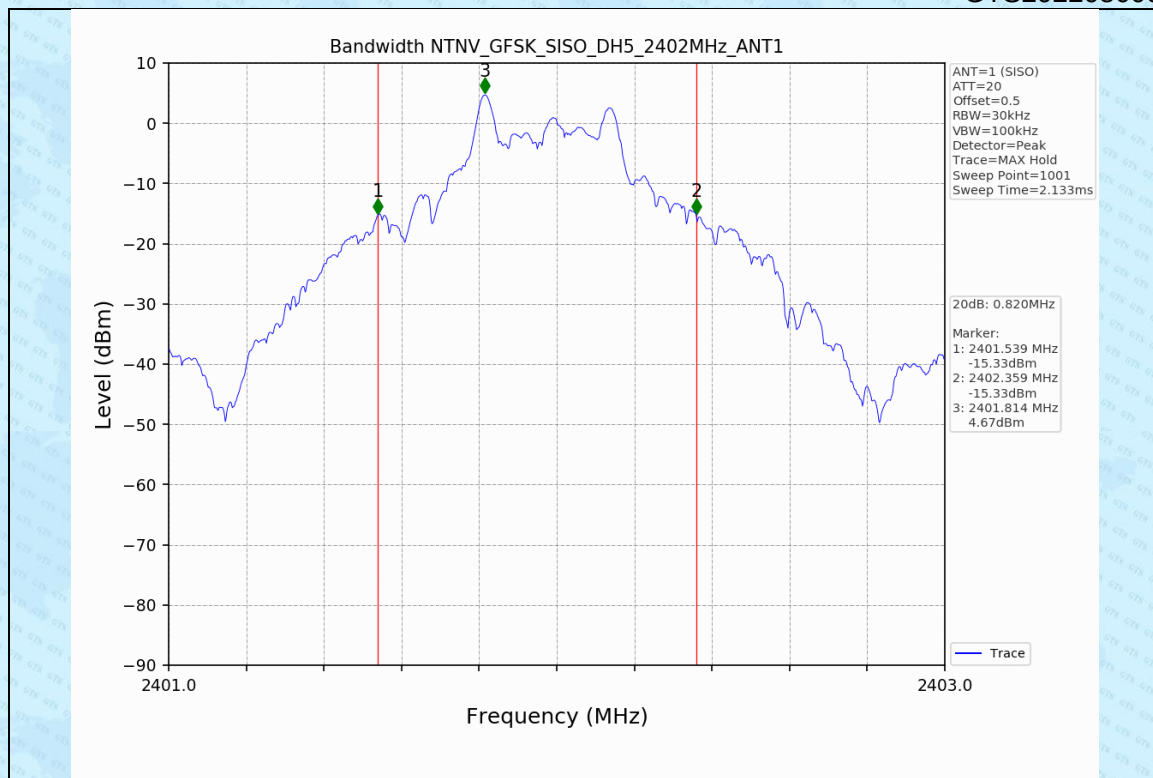
1. Bandwidth

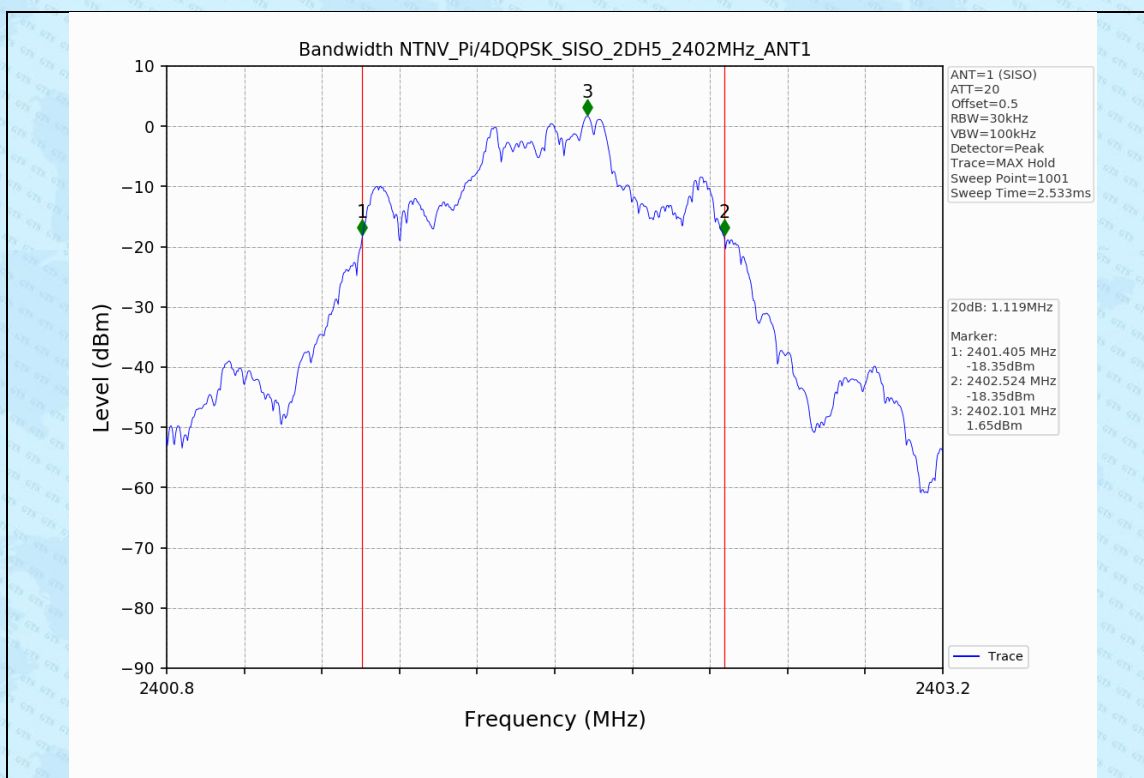
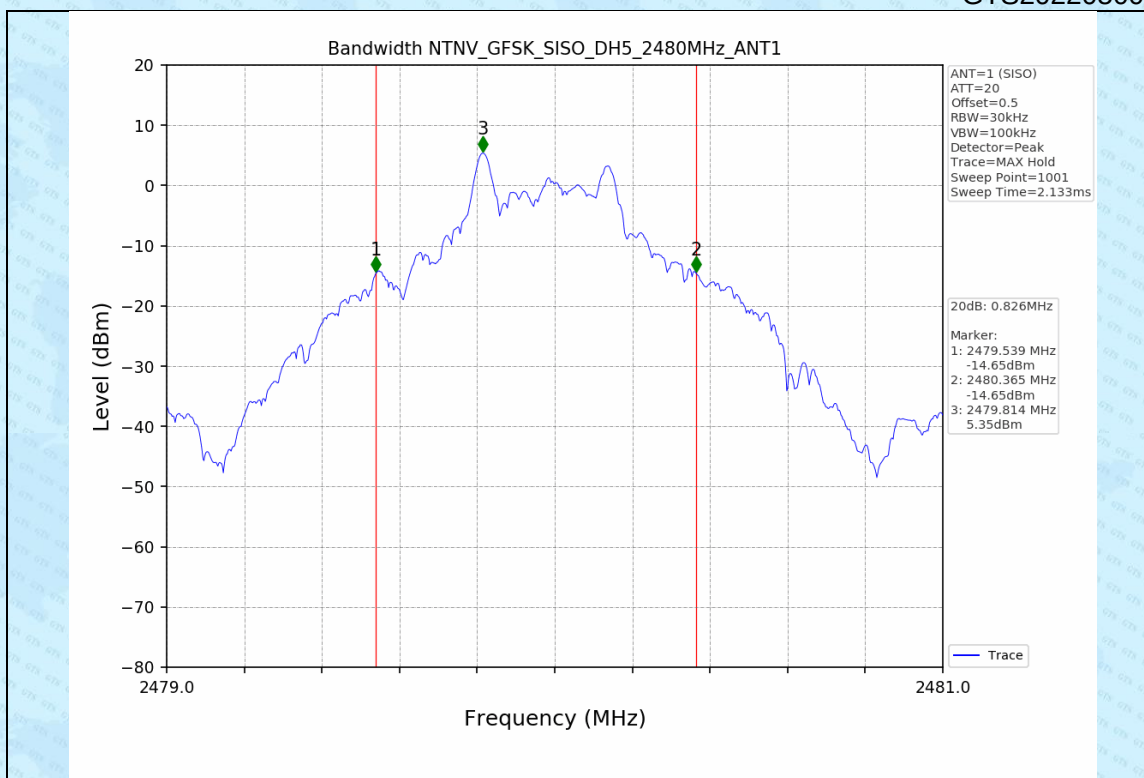
1.1 Test Result

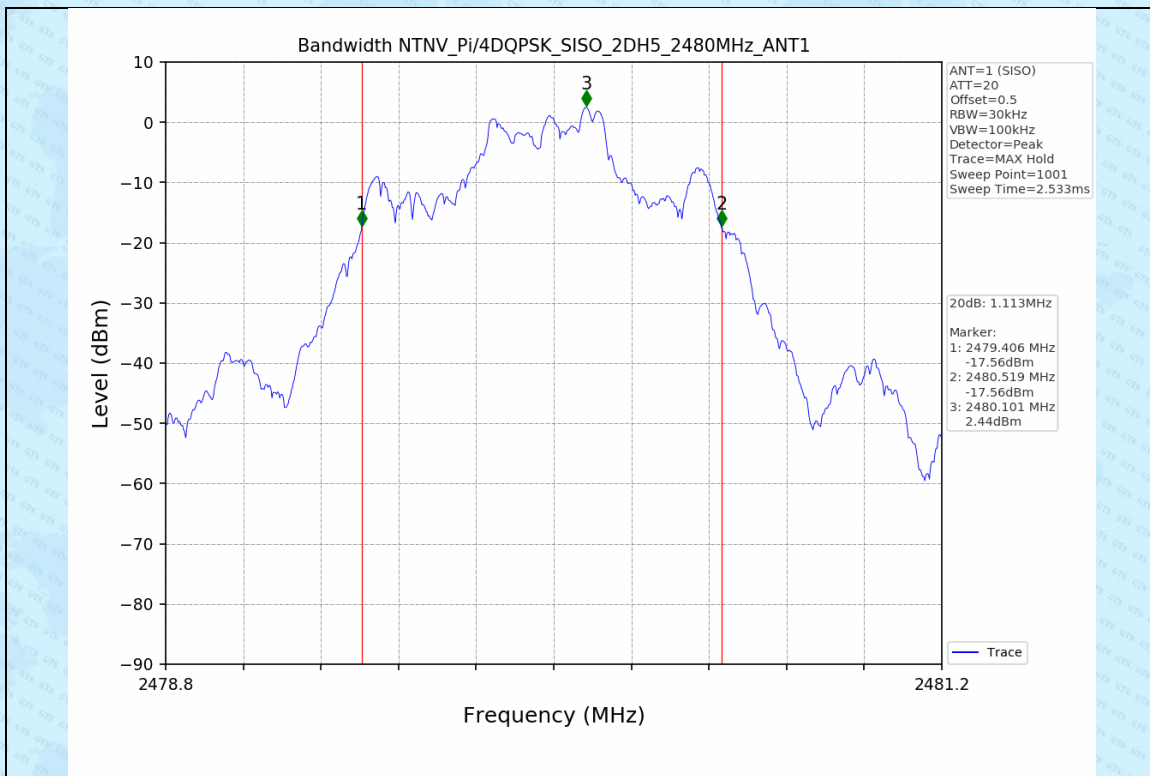
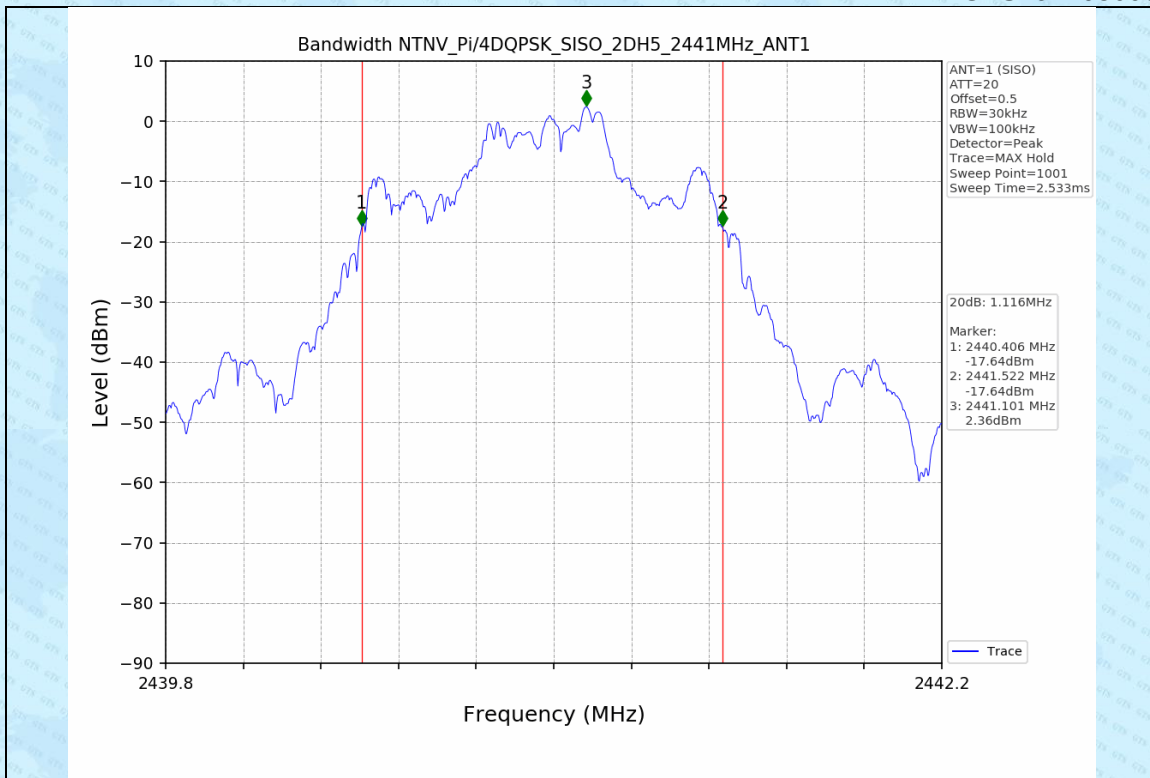
Test Mode	Frequency (MHz)	TX Type	ANT No.	20dB Bandwidth	Verdict
				Test Result (MHz)	
GFSK	2402	SISO	1	0.820	PASS
	2441	SISO	1	0.824	PASS
	2480	SISO	1	0.826	PASS
Pi/4DQPSK	2402	SISO	1	1.119	PASS
	2441	SISO	1	1.116	PASS
	2480	SISO	1	1.113	PASS
8DPSK	2402	SISO	1	1.110	PASS
	2441	SISO	1	1.111	PASS
	2480	SISO	1	1.111	PASS

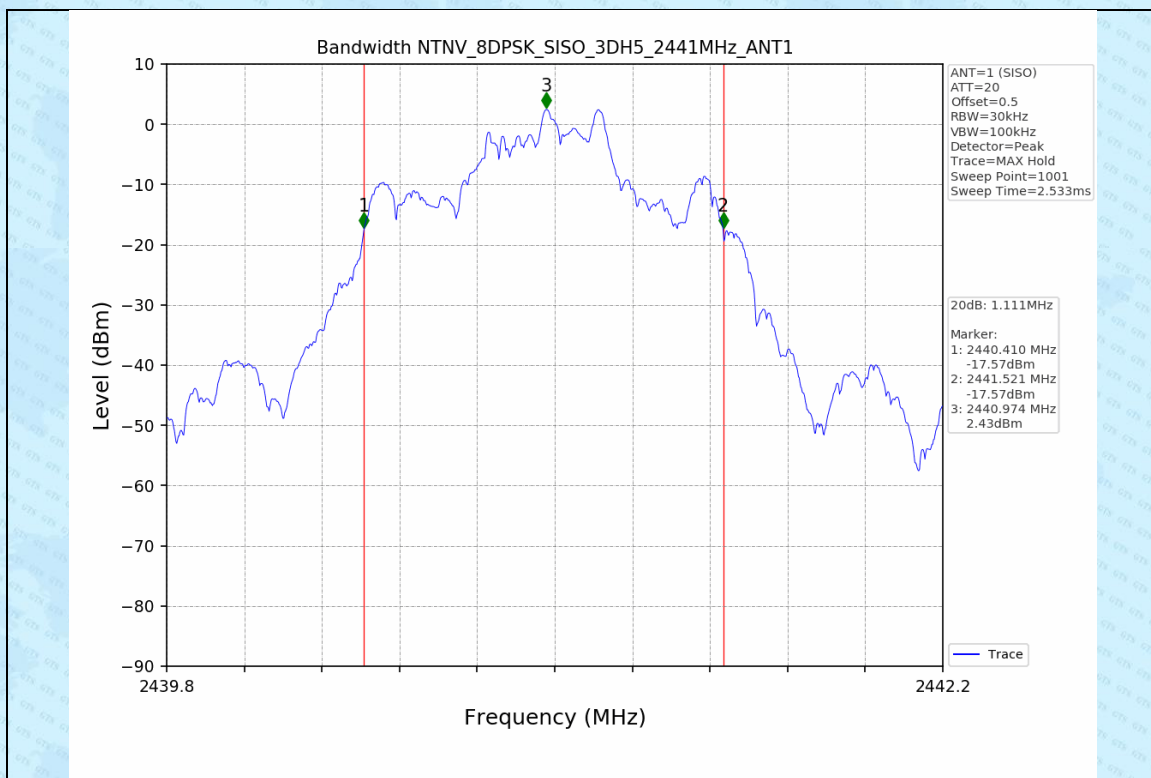
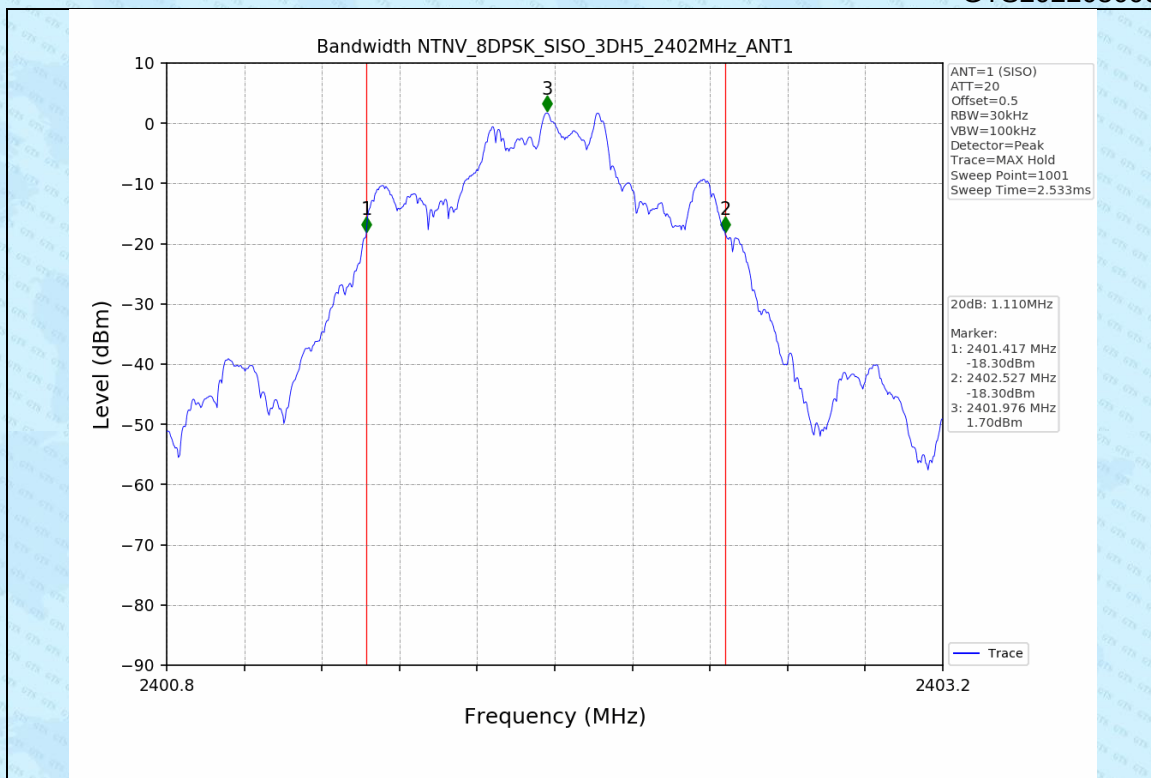
Test Mode	Frequency (MHz)	TX Type	ANT No.	99% Occupied Bandwidth	
				Test Result (MHz)	
GFSK	2402	SISO	1	0.853	Only for Report Use
	2441	SISO	1	0.861	Only for Report Use
	2480	SISO	1	0.861	Only for Report Use
Pi/4DQPSK	2402	SISO	1	1.058	Only for Report Use
	2441	SISO	1	1.060	Only for Report Use
	2480	SISO	1	1.059	Only for Report Use
8DPSK	2402	SISO	1	1.056	Only for Report Use
	2441	SISO	1	1.058	Only for Report Use
	2480	SISO	1	1.055	Only for Report Use

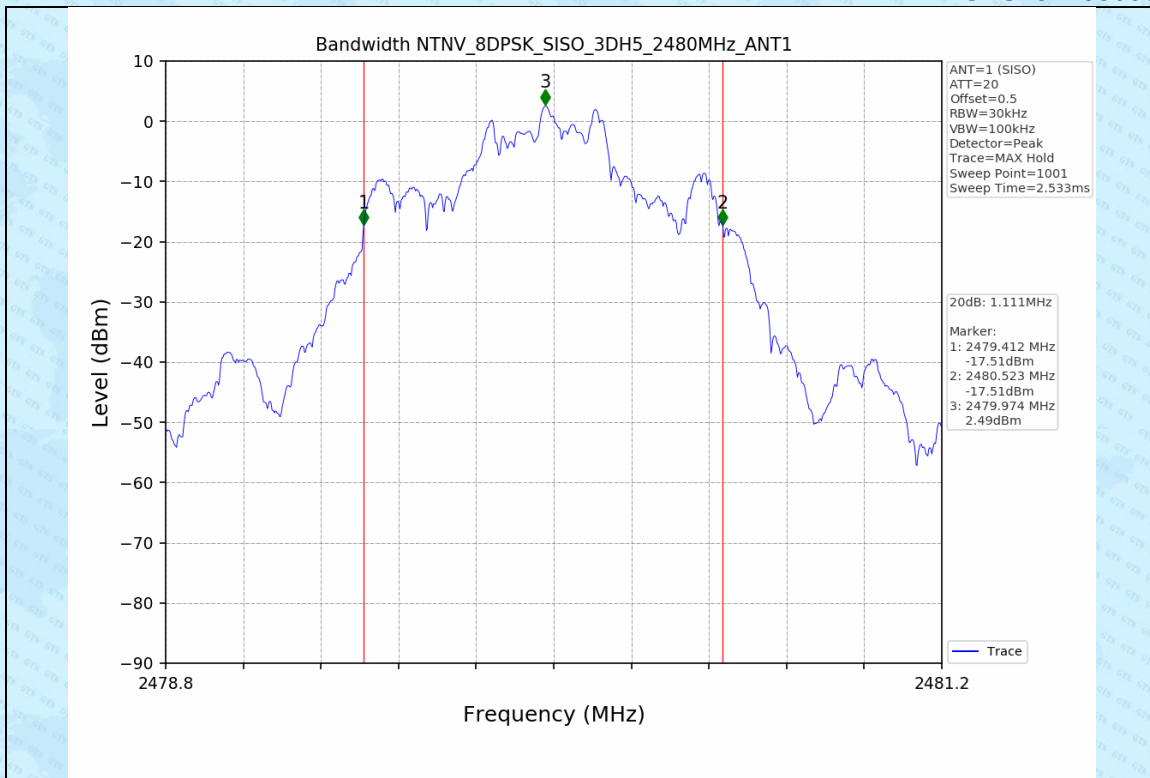
1.2 Test Graph - 20dB Bandwidth



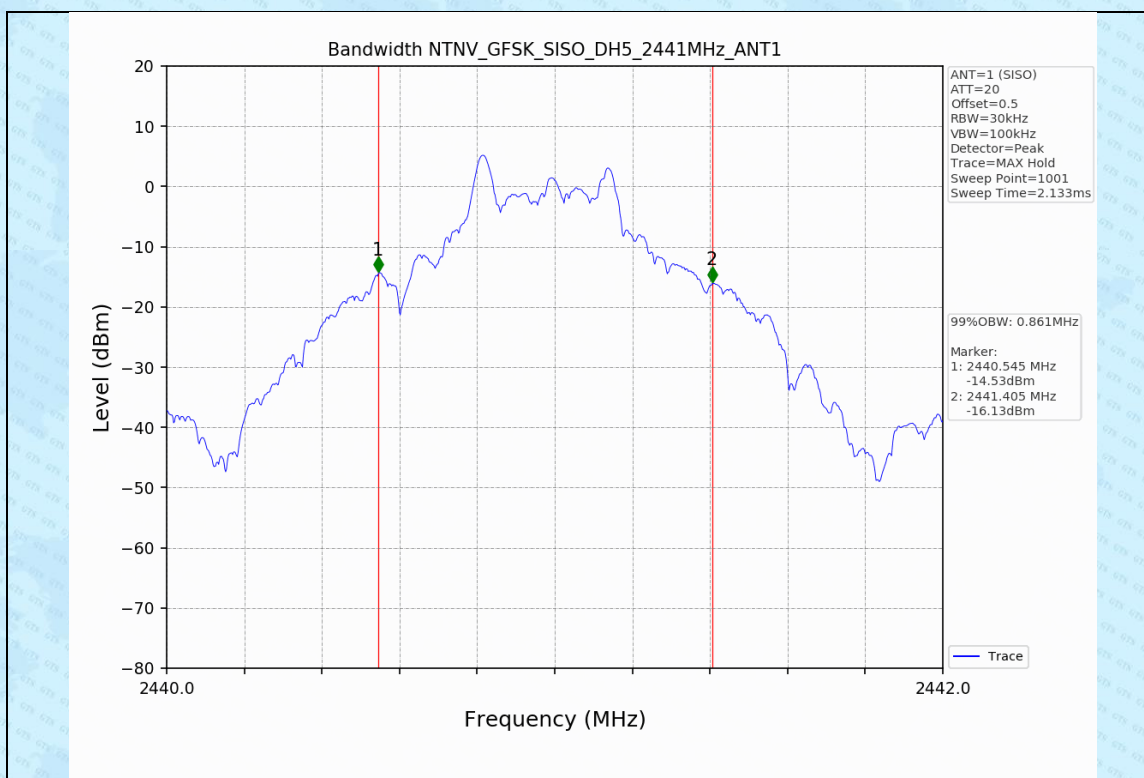
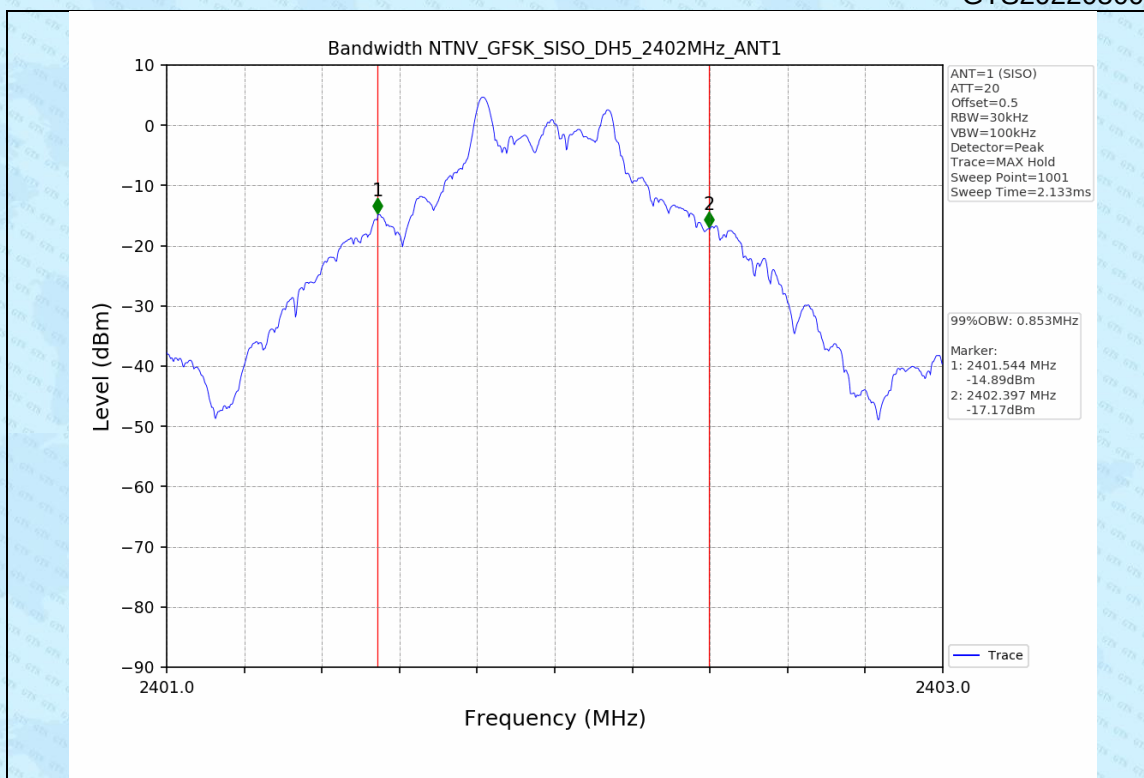


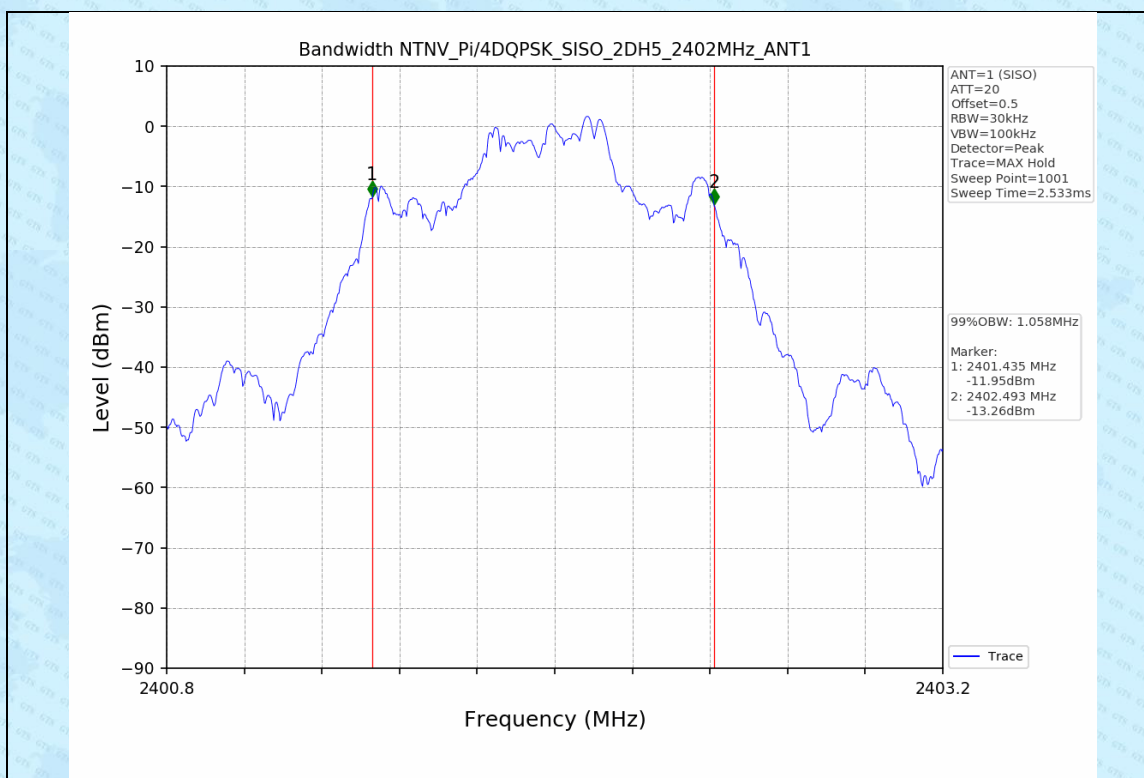
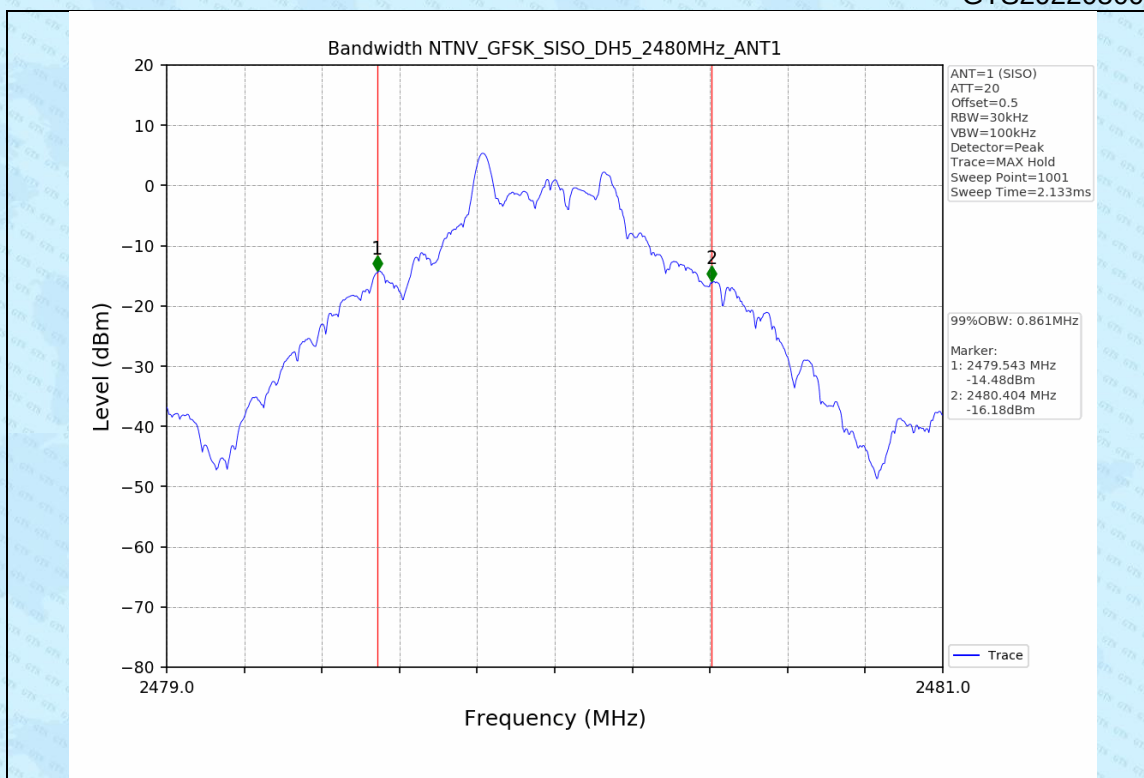


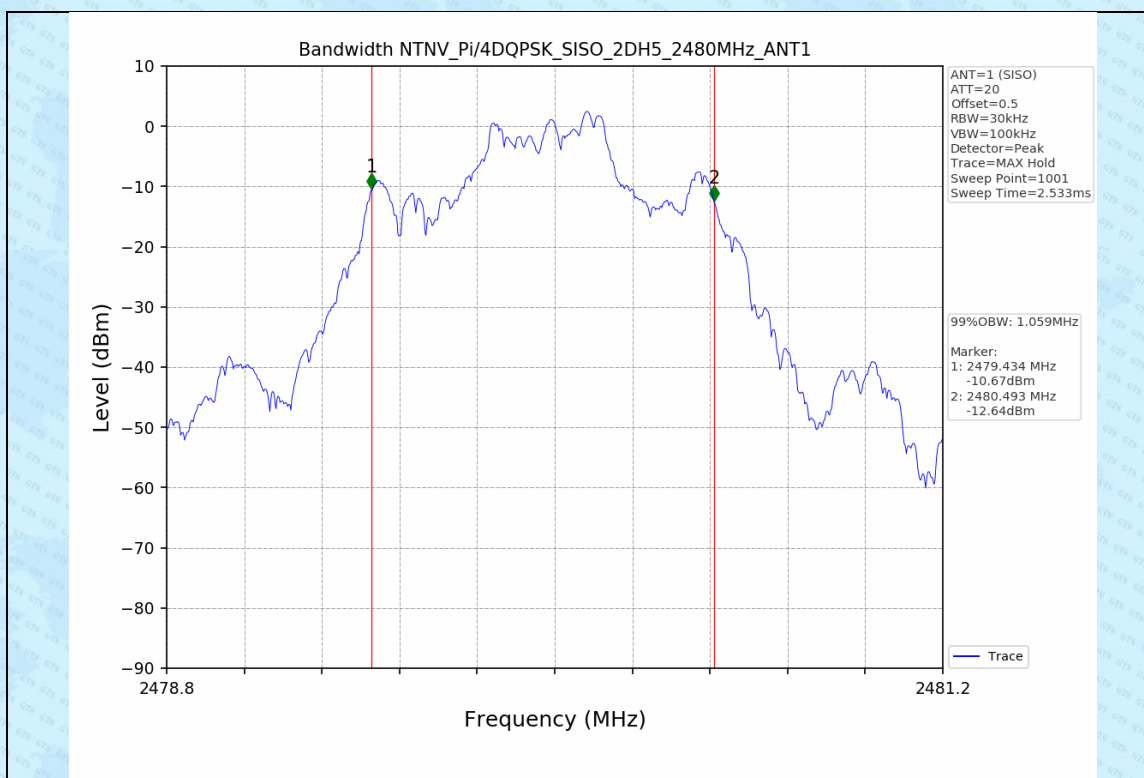
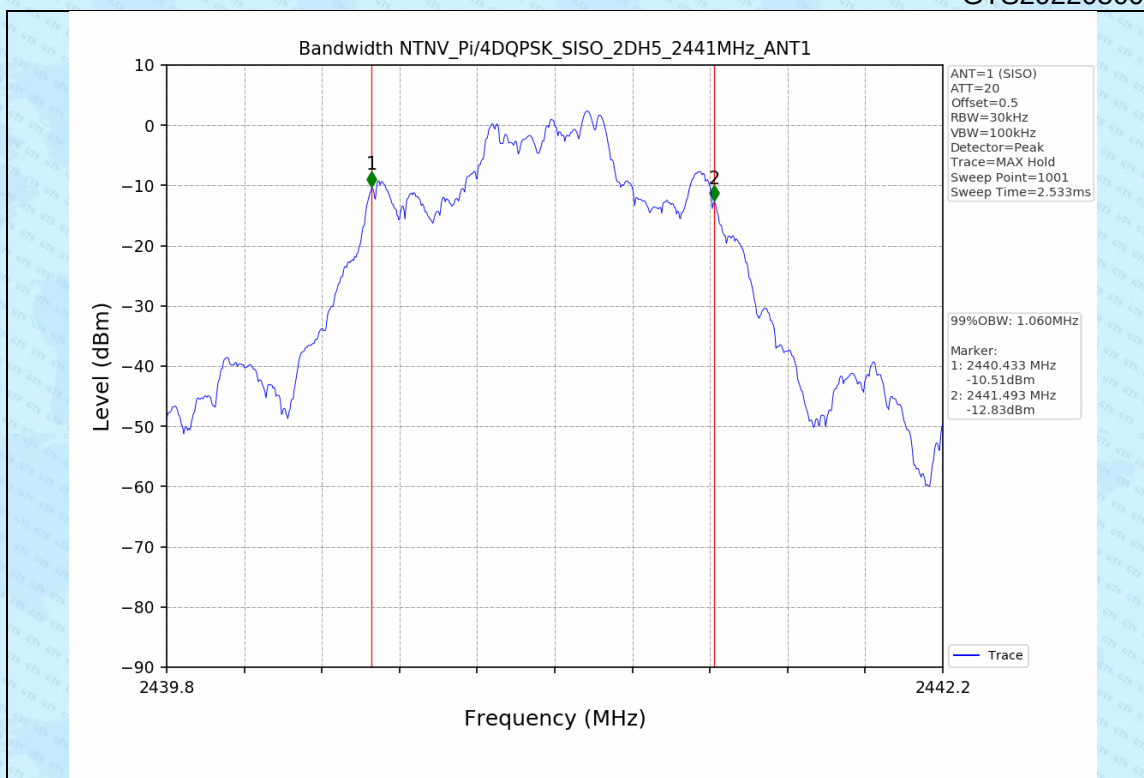


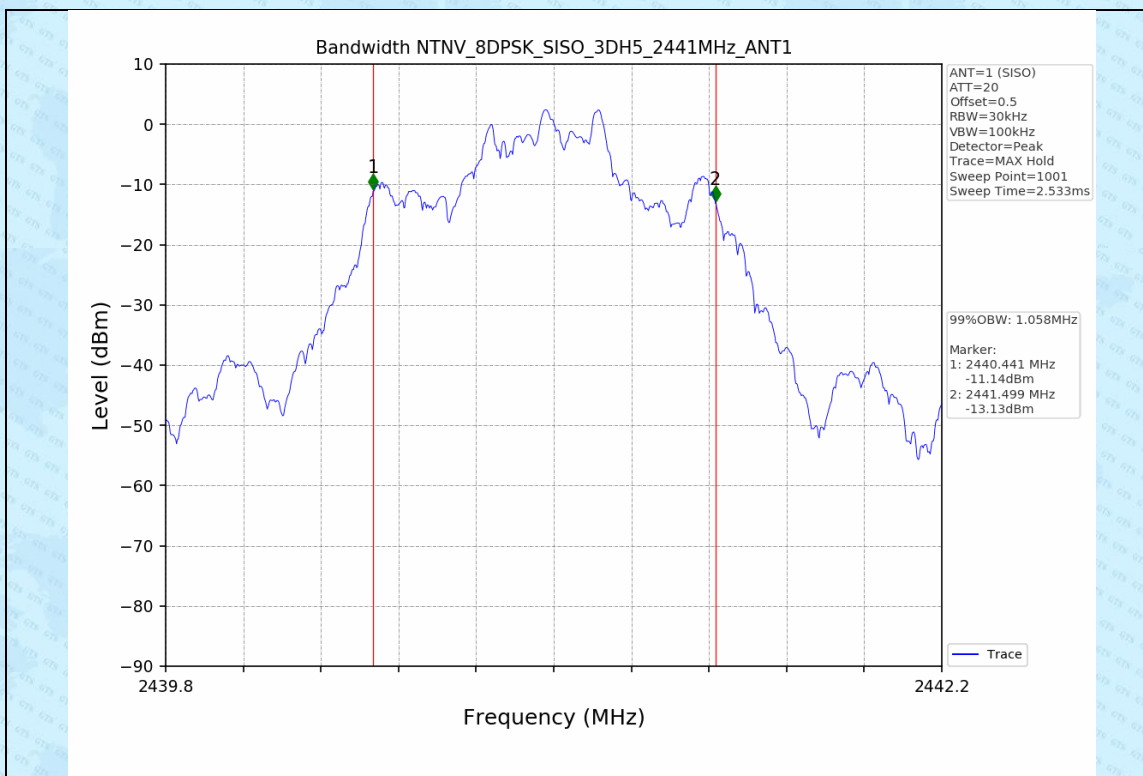
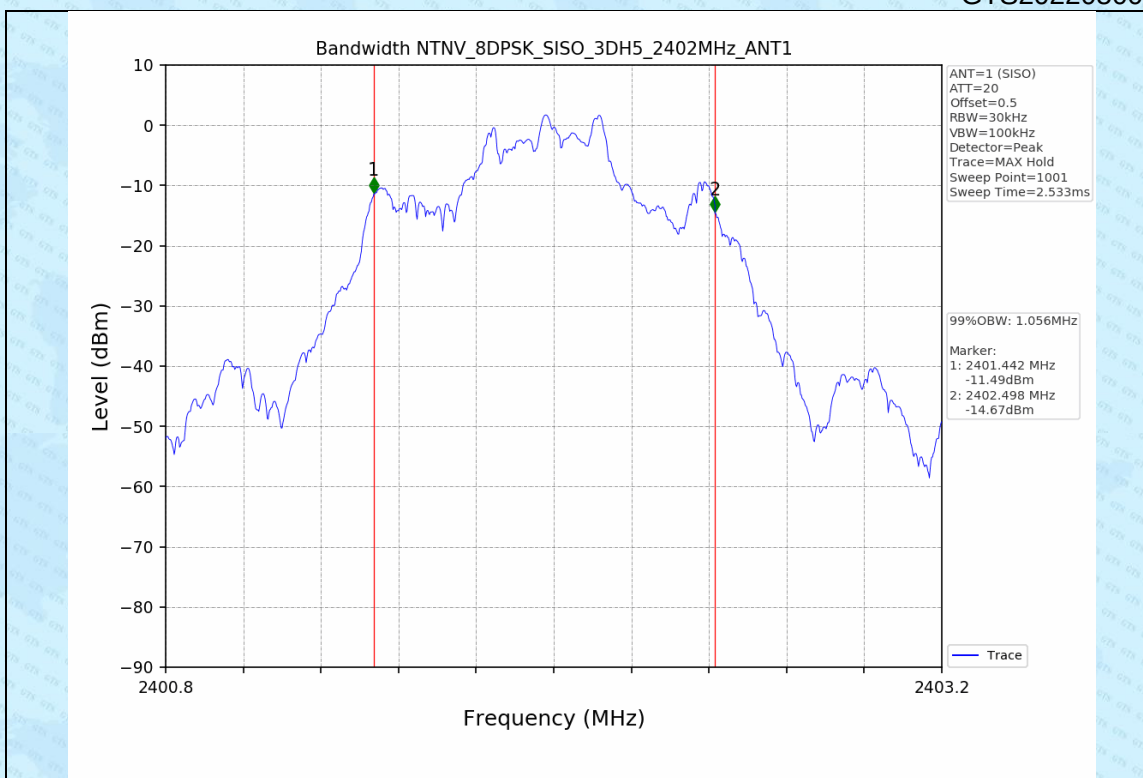


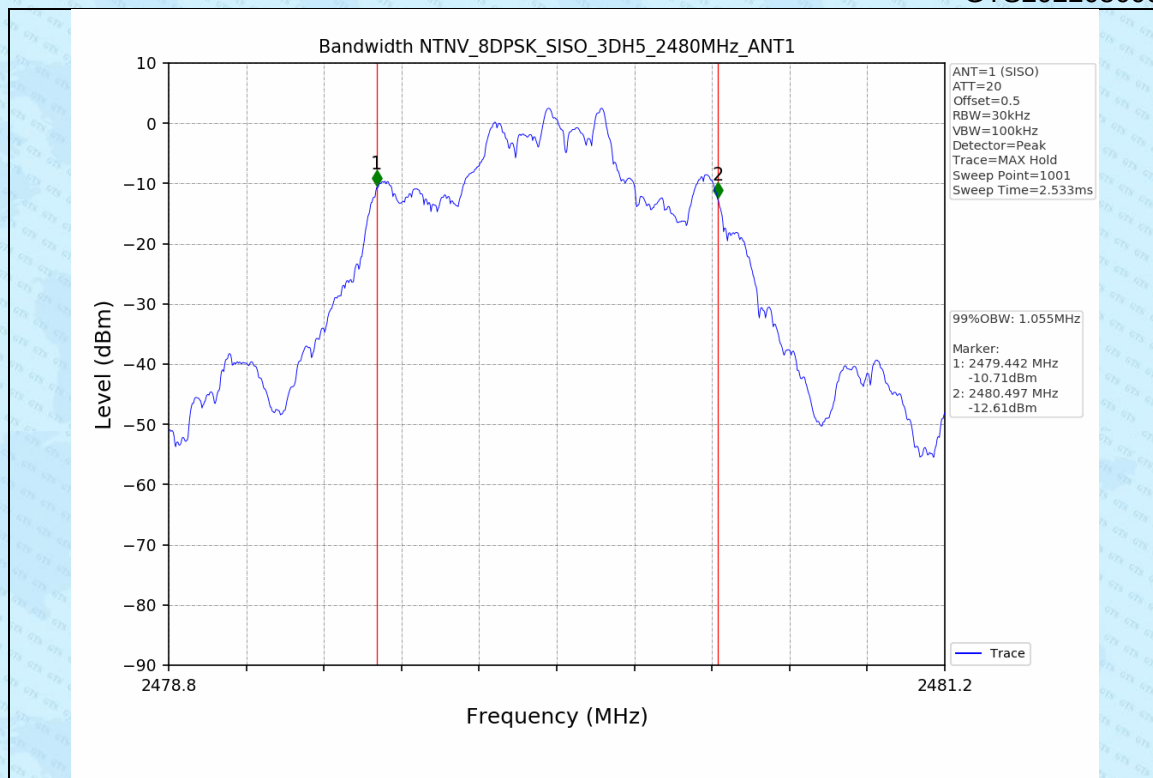
1.3 Test Graph - 99% Occupied Bandwidth









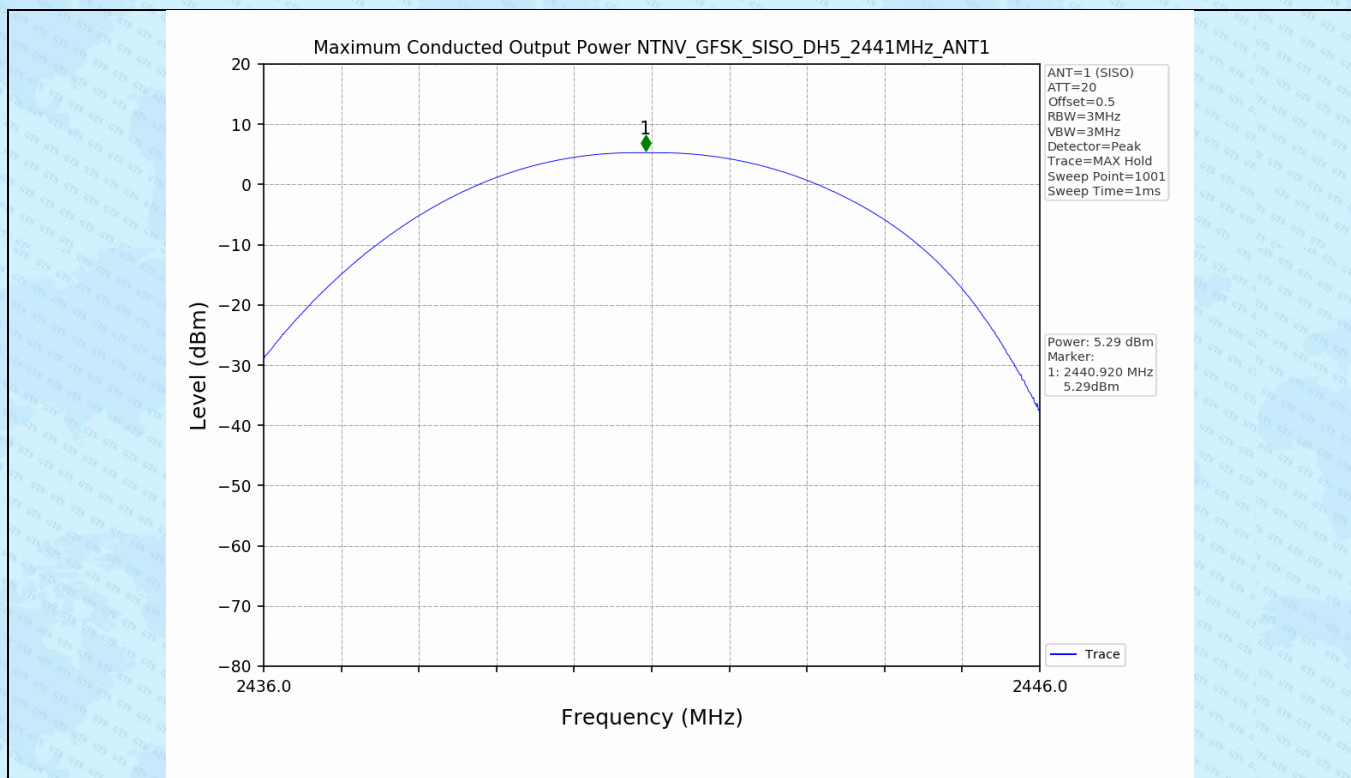
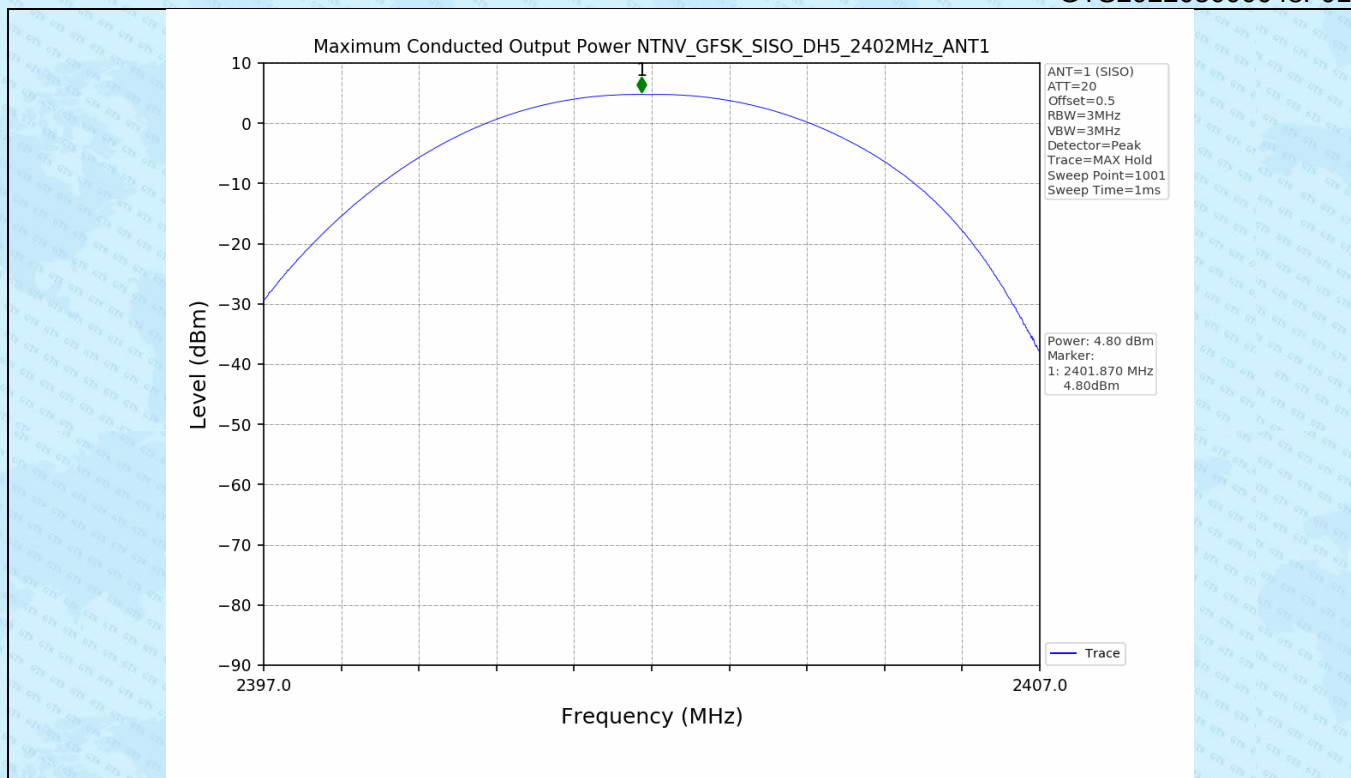


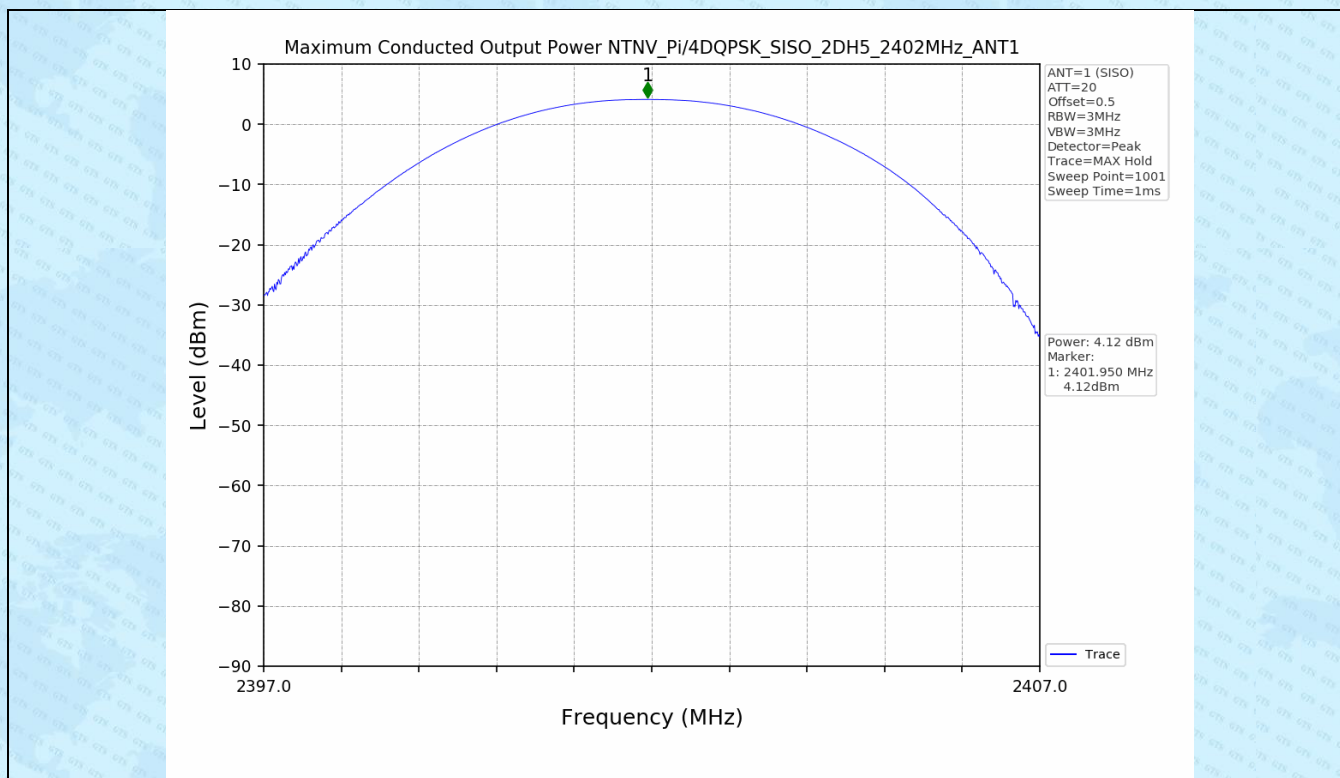
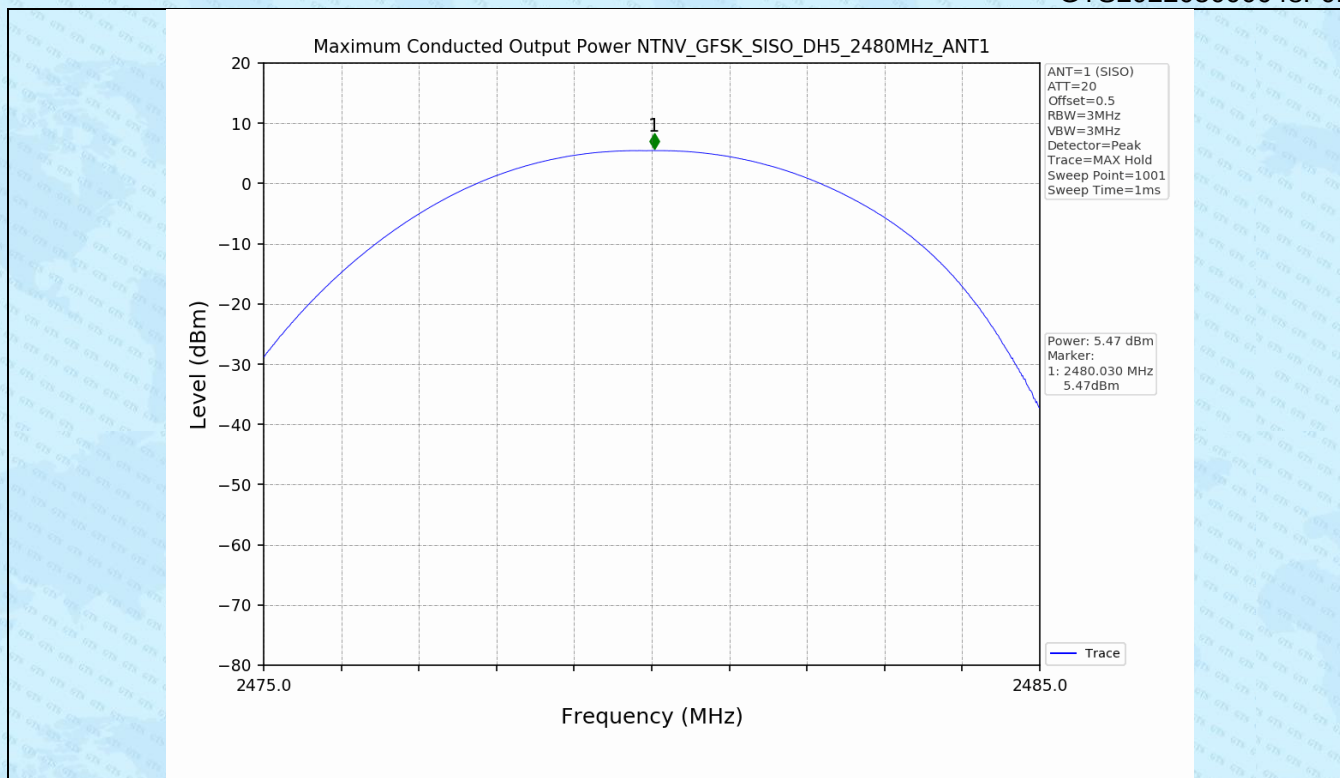
2. Maximum Conducted Output Power

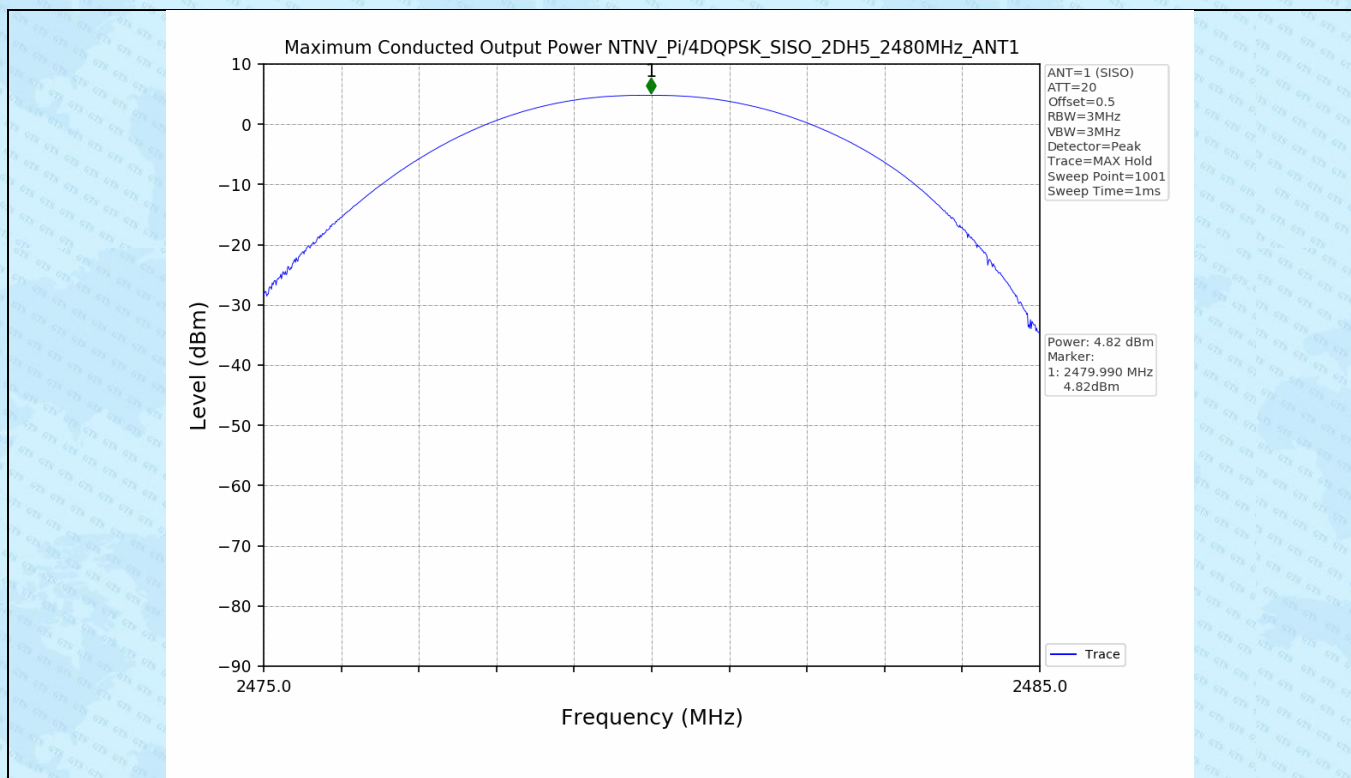
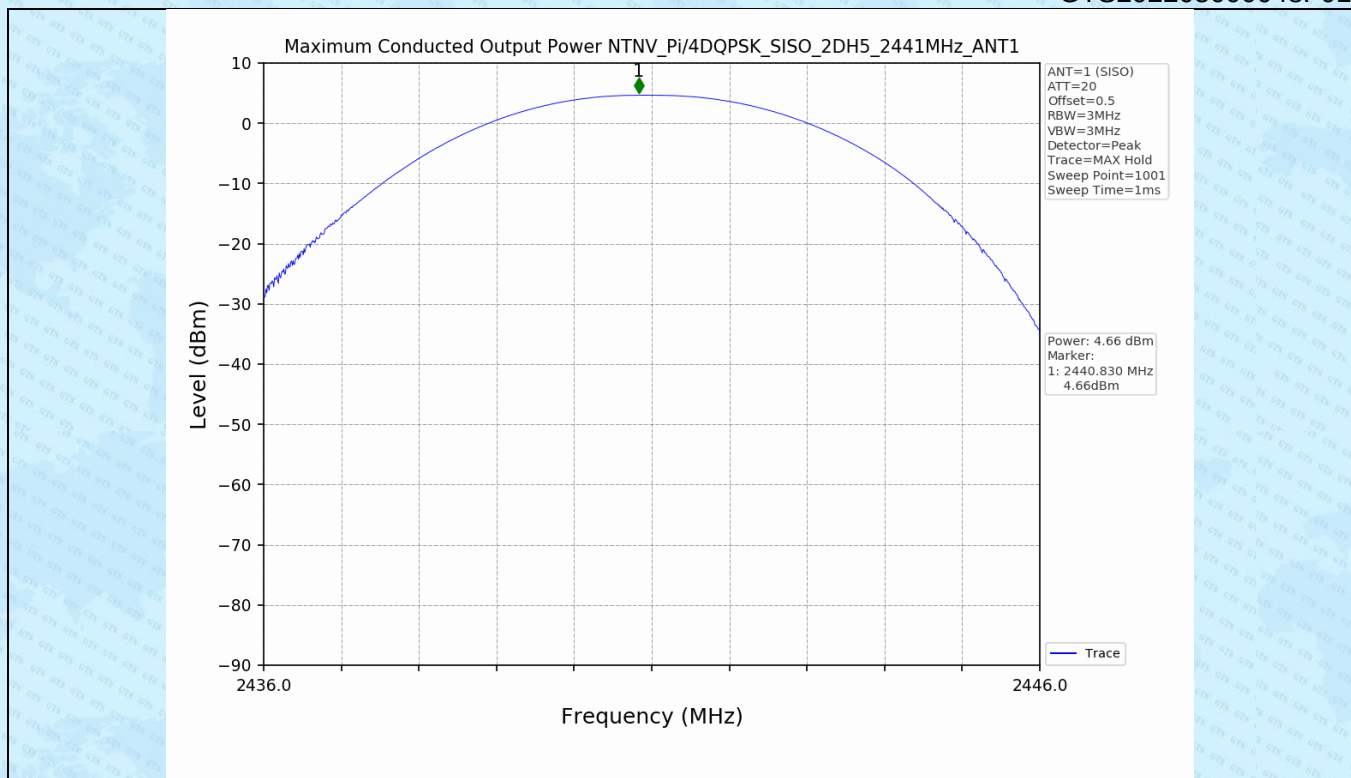
2.1 Test Result

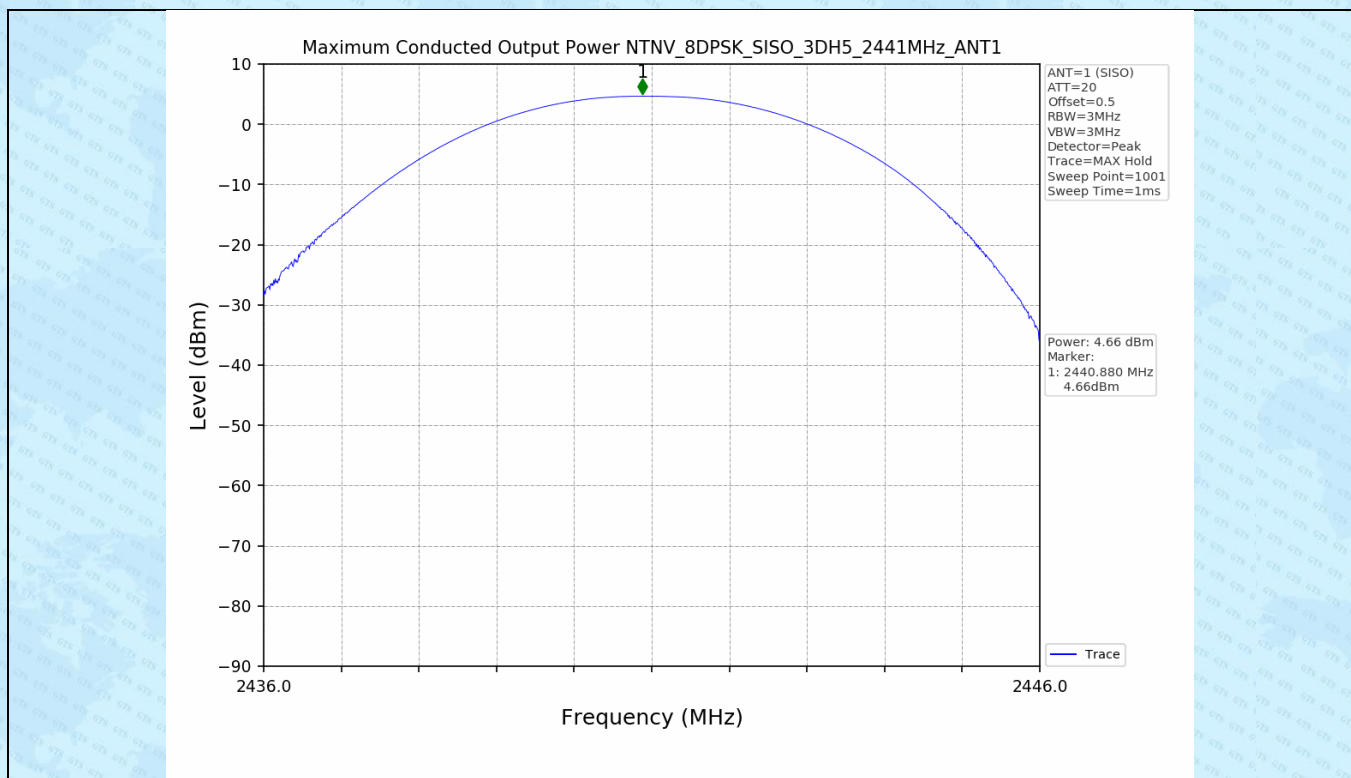
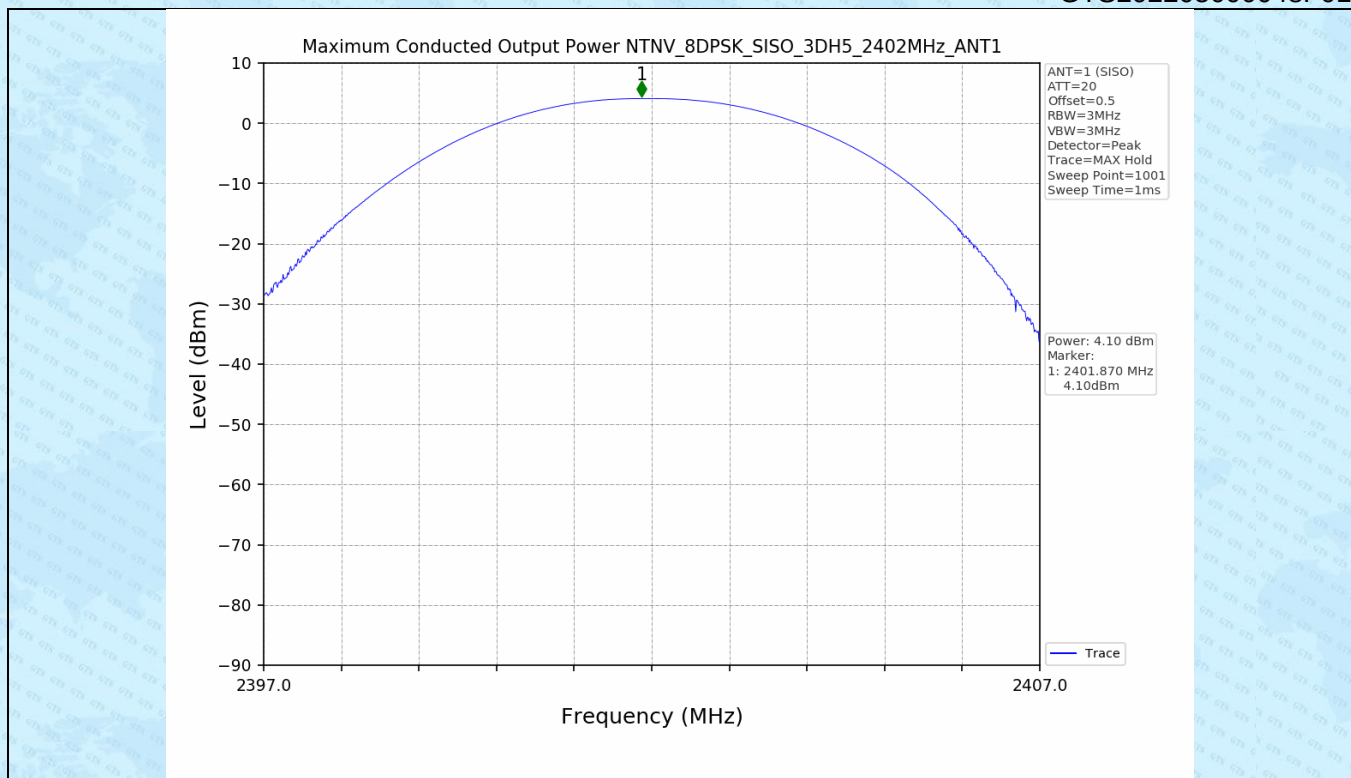
Test Mode	Frequency (MHz)	Tx Type	Measured Peak Output Power (dBm)	Limits (dBm)	Verdict
GFSK	2402	SISO	4.80	20.97	PASS
	2441	SISO	5.29	20.97	PASS
	2480	SISO	5.47	20.97	PASS
Pi/4DQPSK	2402	SISO	4.12	20.97	PASS
	2441	SISO	4.66	20.97	PASS
	2480	SISO	4.82	20.97	PASS
8DPSK	2402	SISO	4.10	20.97	PASS
	2441	SISO	4.66	20.97	PASS
	2480	SISO	4.80	20.97	PASS

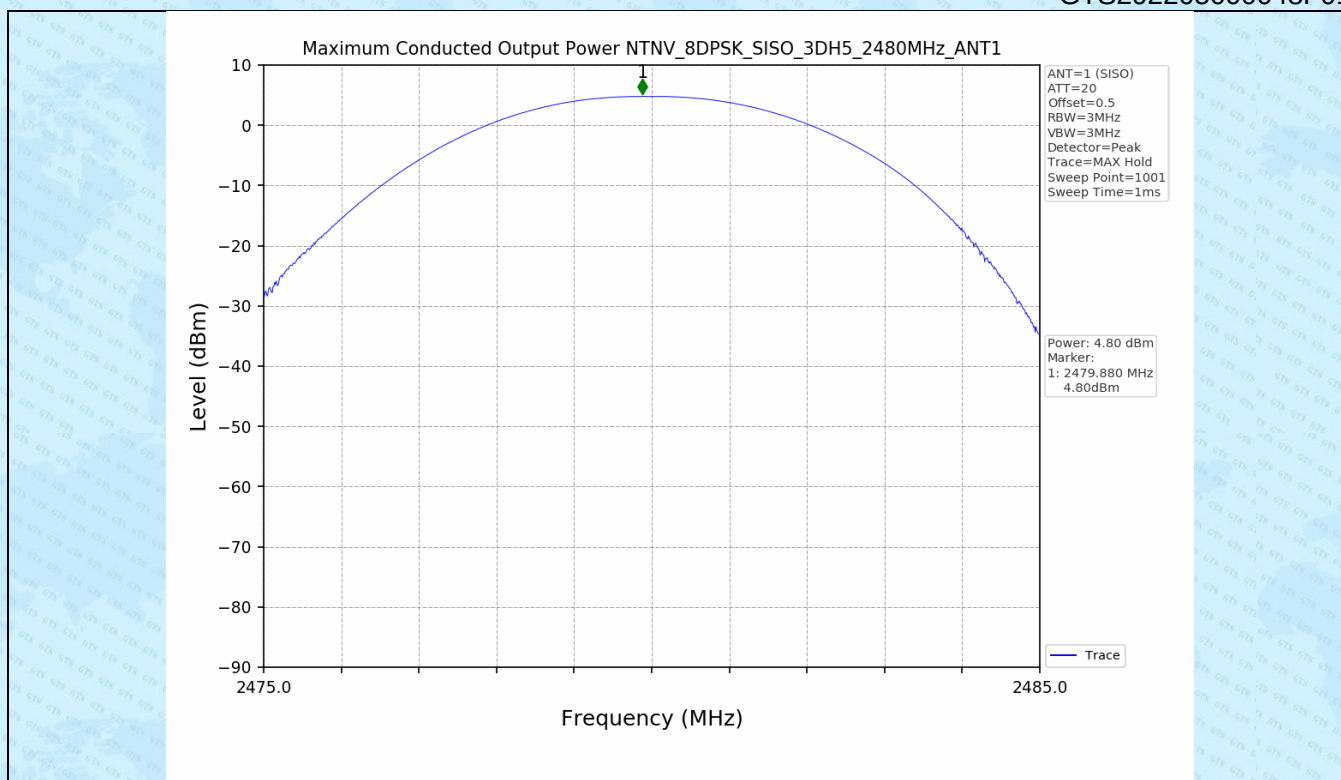
2.2 Test Graph









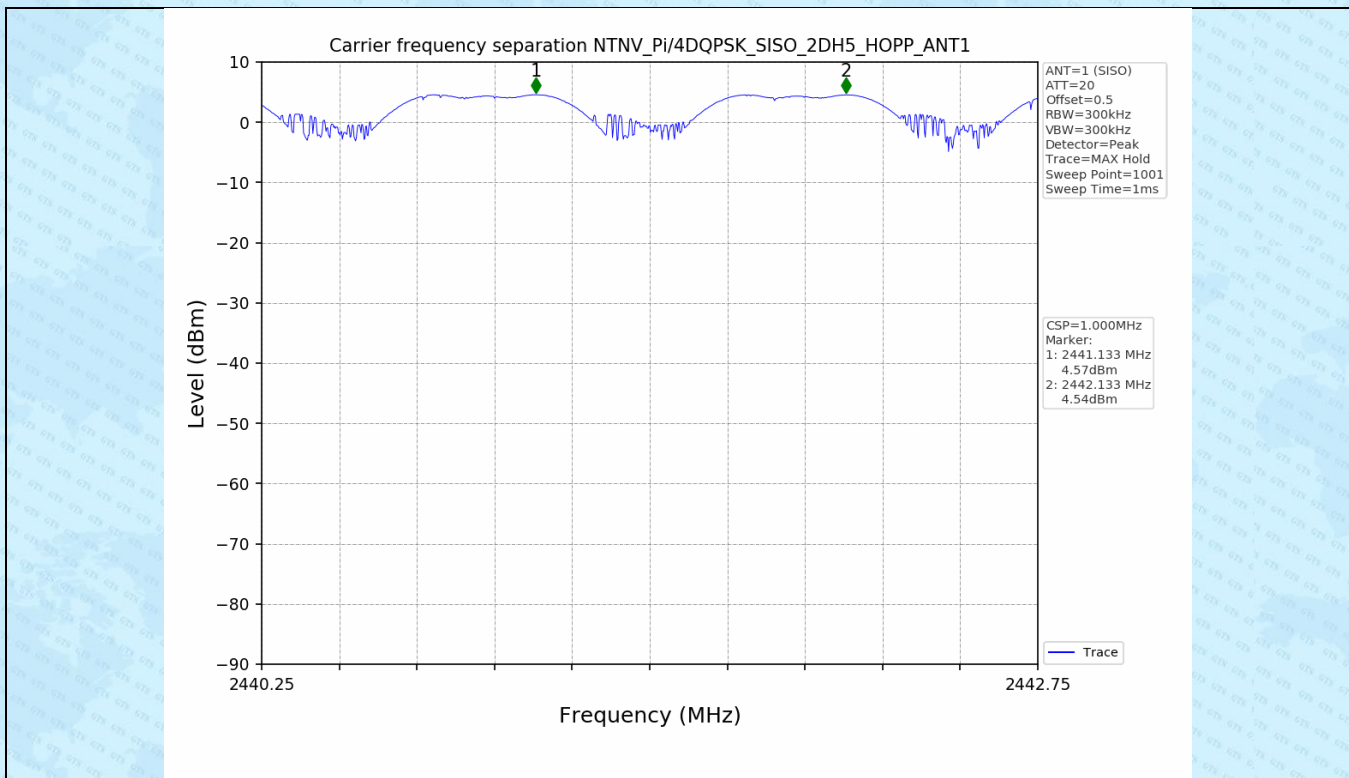
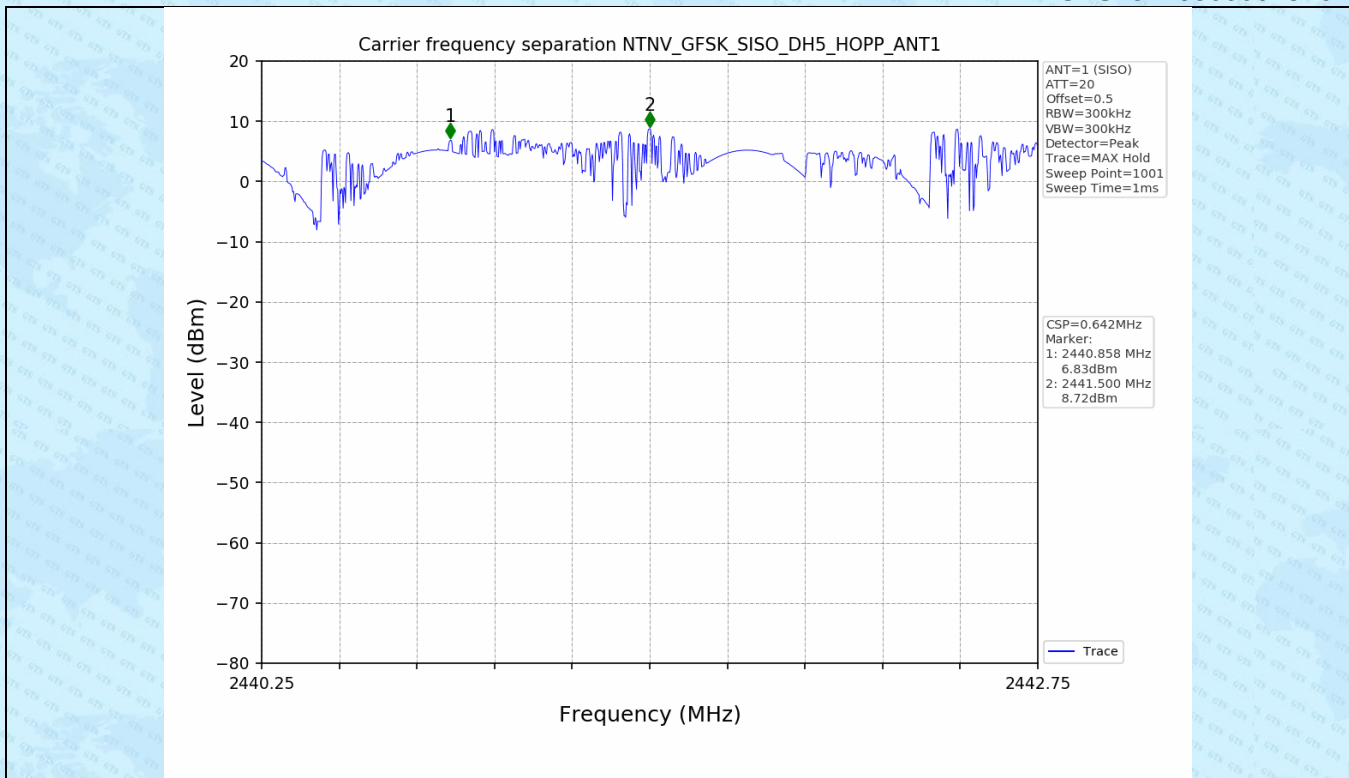


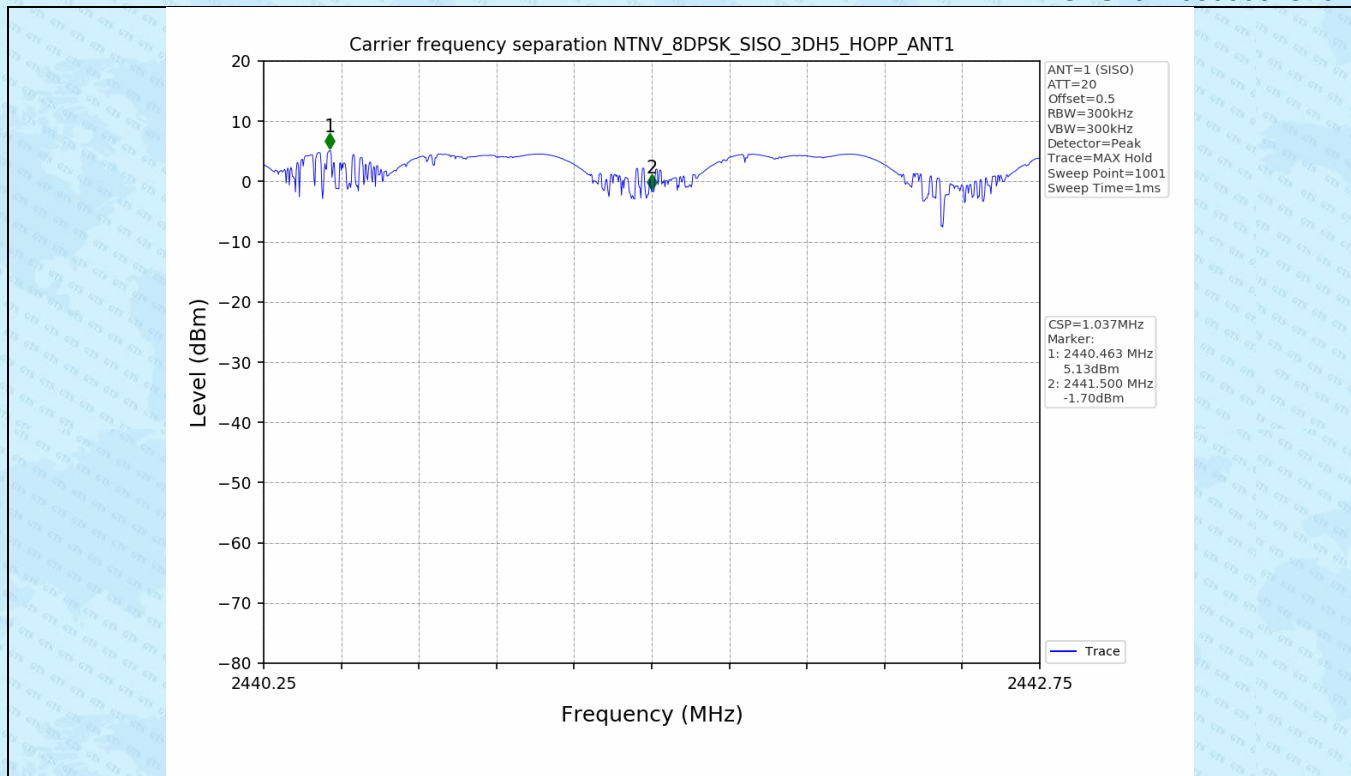
3. Carrier frequency separation

3.1 Test Result

Test Mode	TX Type	ANT No.	Channel Separation (MHz)	20dB Bandwidth (MHz)	Limits (MHz)	Verdict
GFSK	SISO	1	0.642	0.826	≥ 0.551	PASS
PI/4DQPSK	SISO	1	1.000	1.119	≥ 0.746	PASS
8DPSK	SISO	1	1.037	1.111	≥ 0.741	PASS

3.2 Test Graph



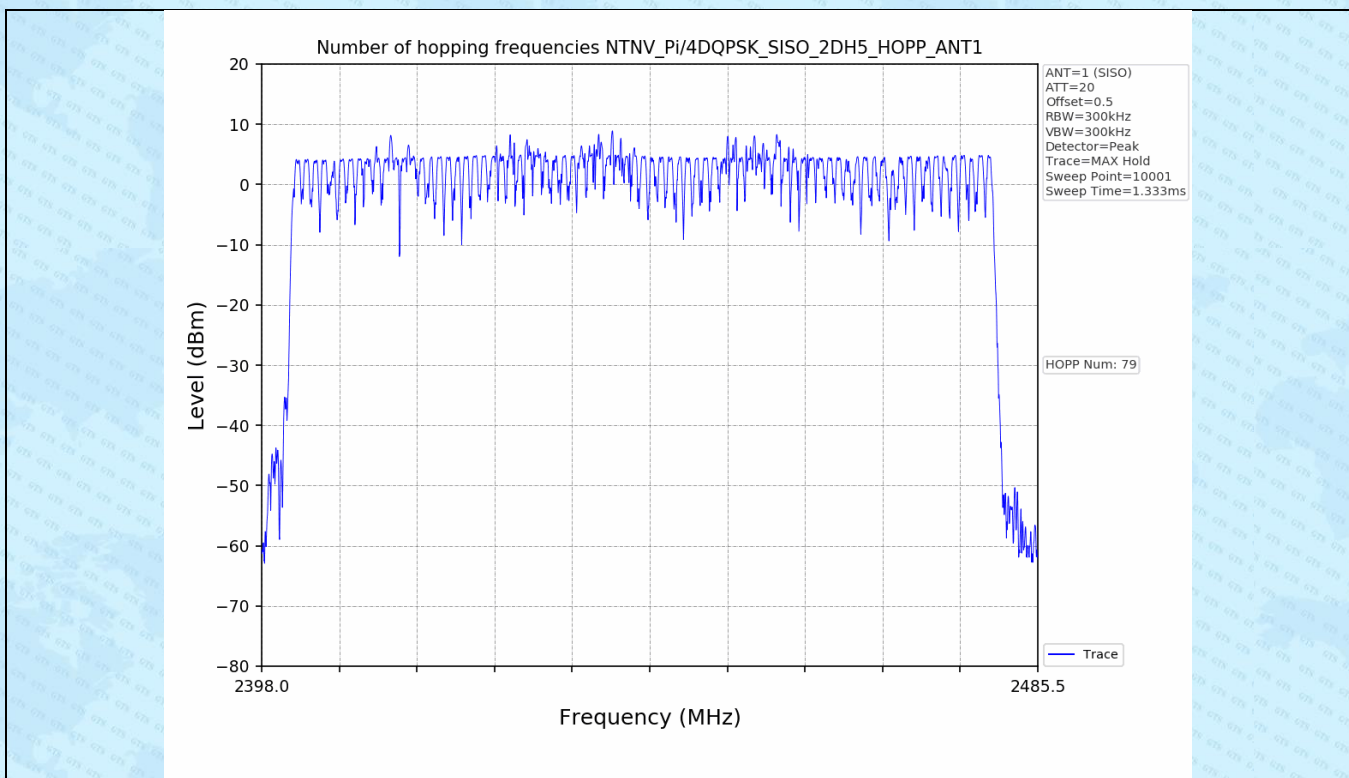
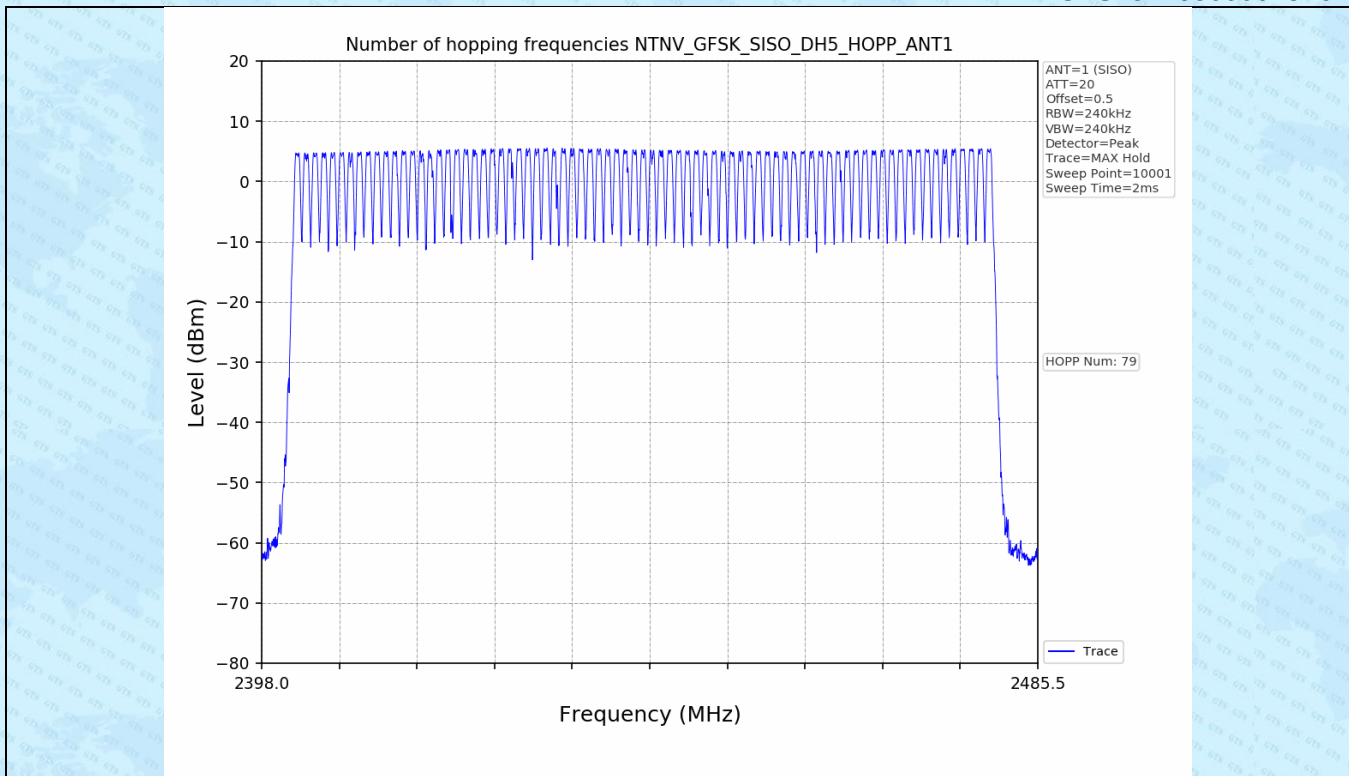


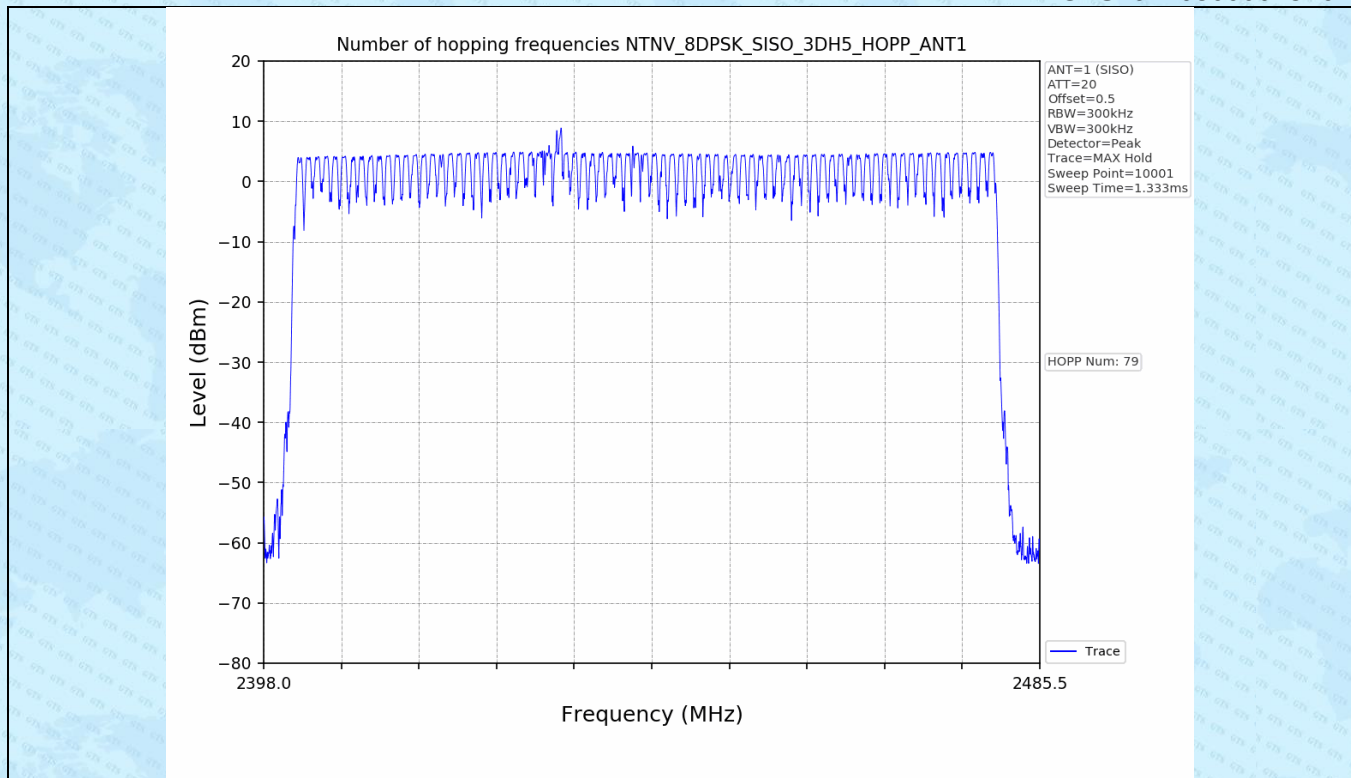
4. Number of hopping frequencies

4.1 Test Result

Test Mode	TX Type	ANT No.	Num of Hopping Frequencies	Limits	Verdict
GFSK	SISO	1	79	≥15	PASS
Pi/4DQPSK	SISO	1	79	≥15	PASS
8DPSK	SISO	1	79	≥15	PASS

4.2 Test Graph



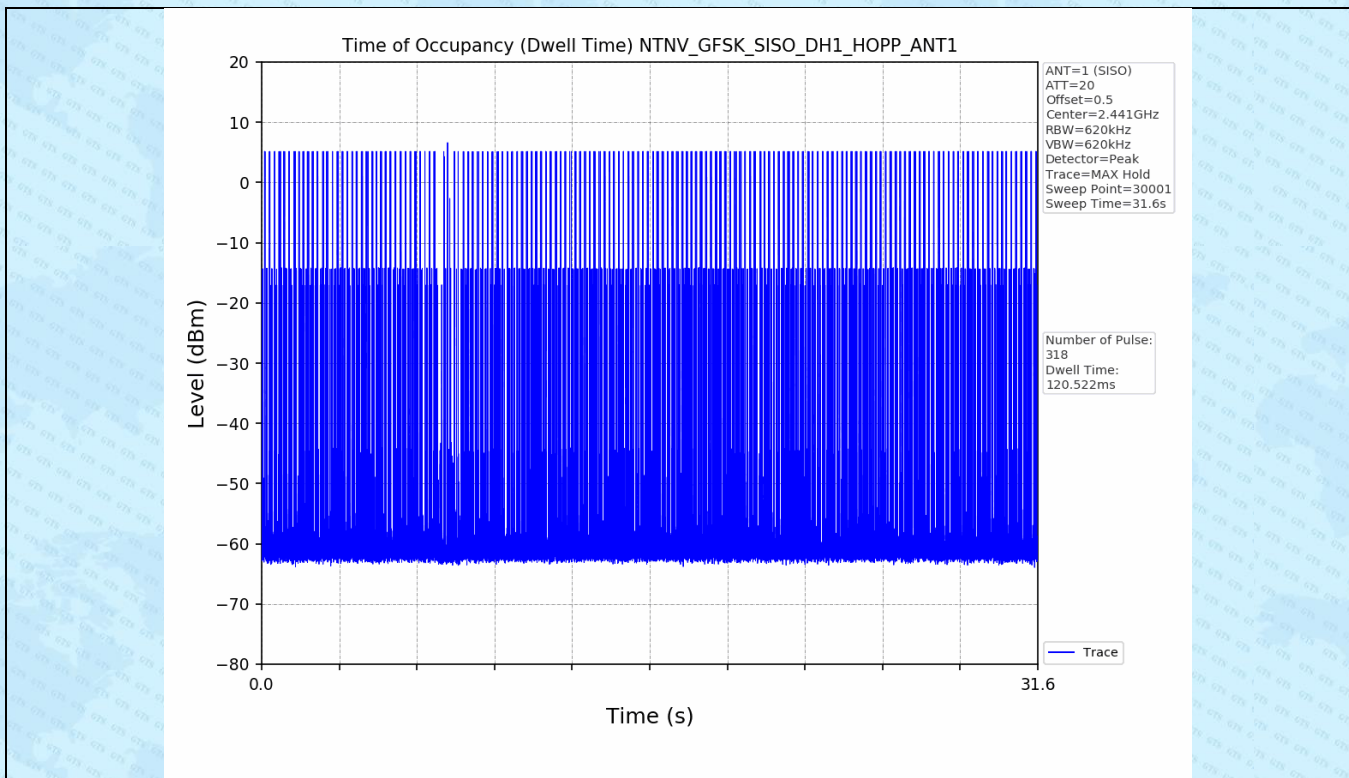
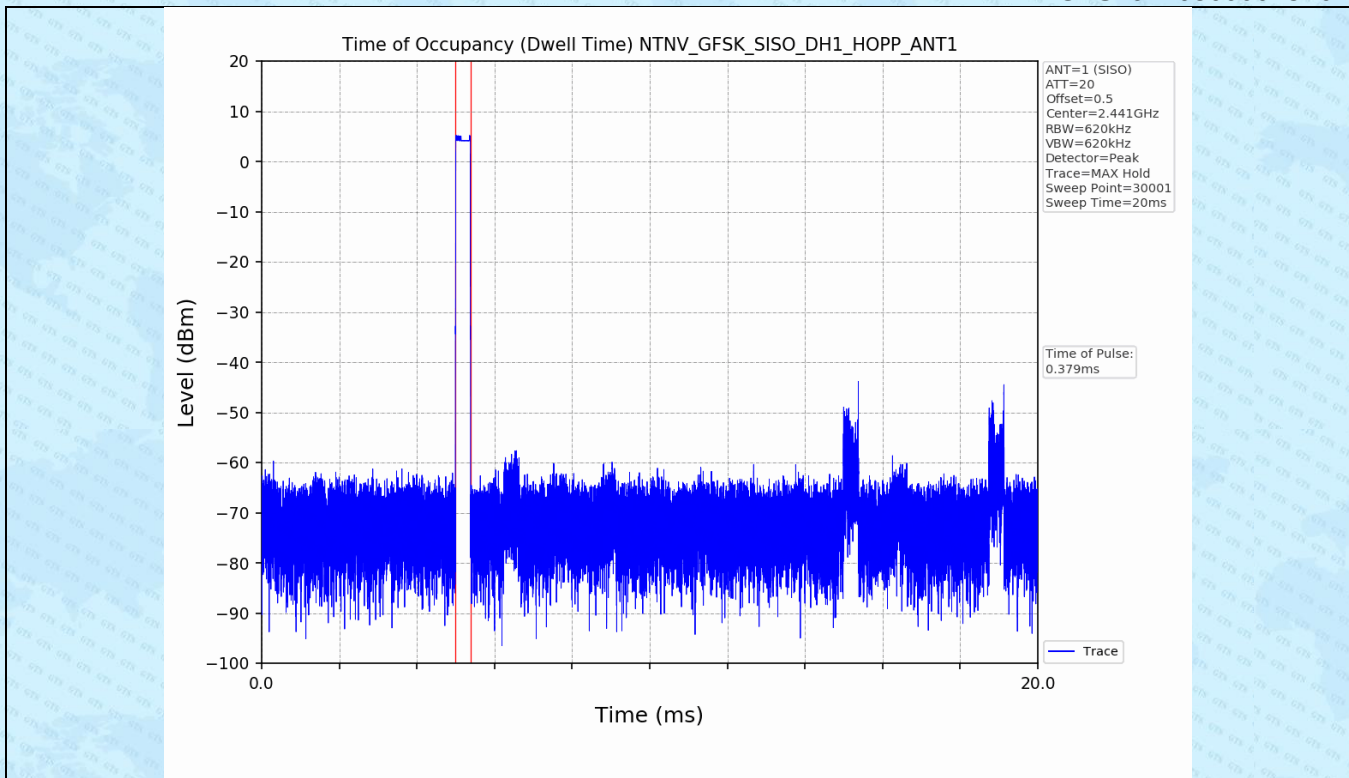


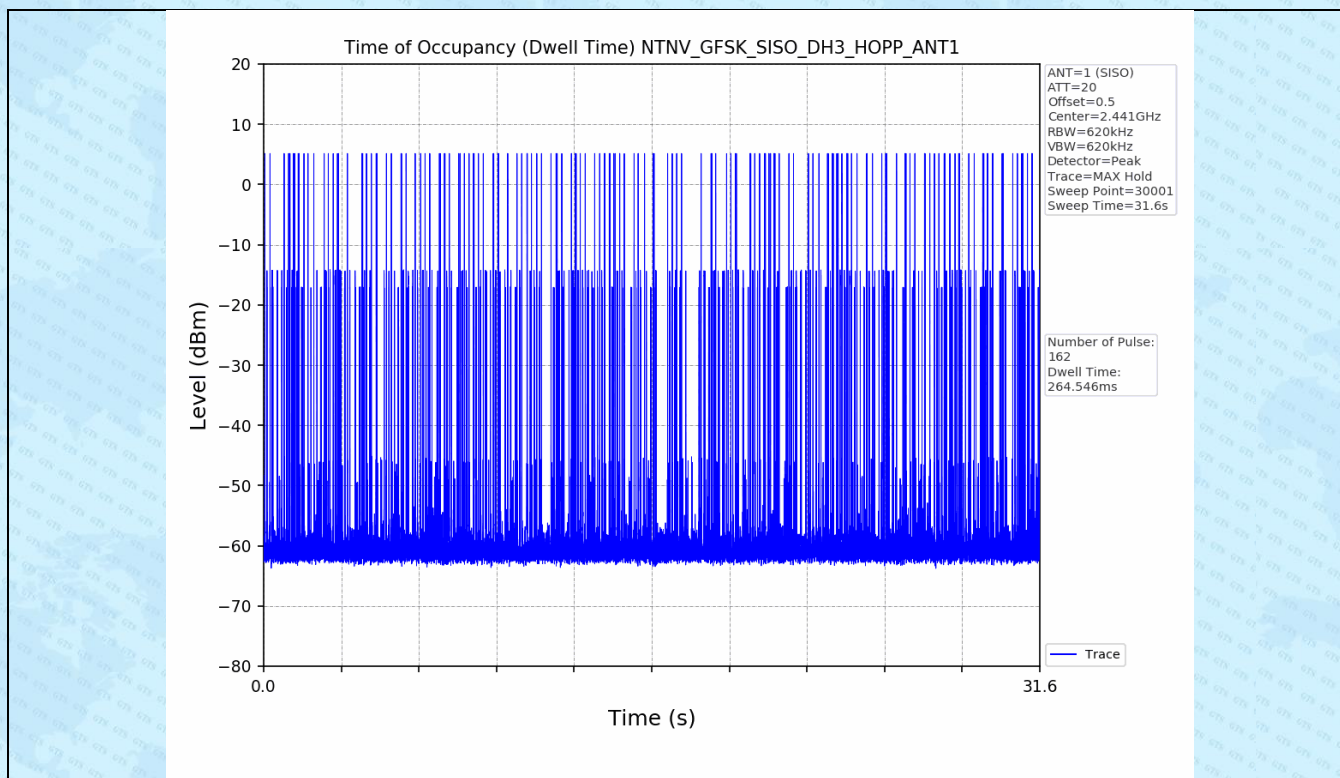
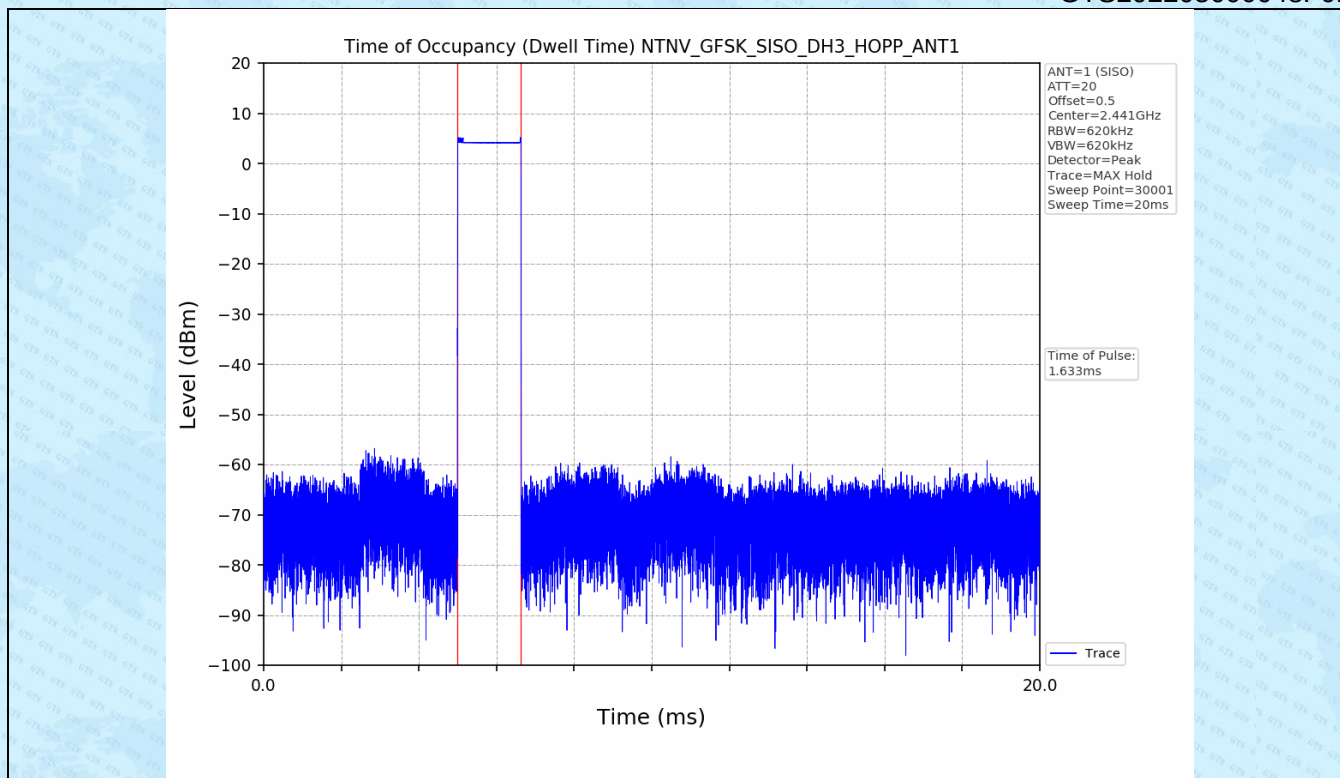
5. Time of Occupancy (Dwell Time)

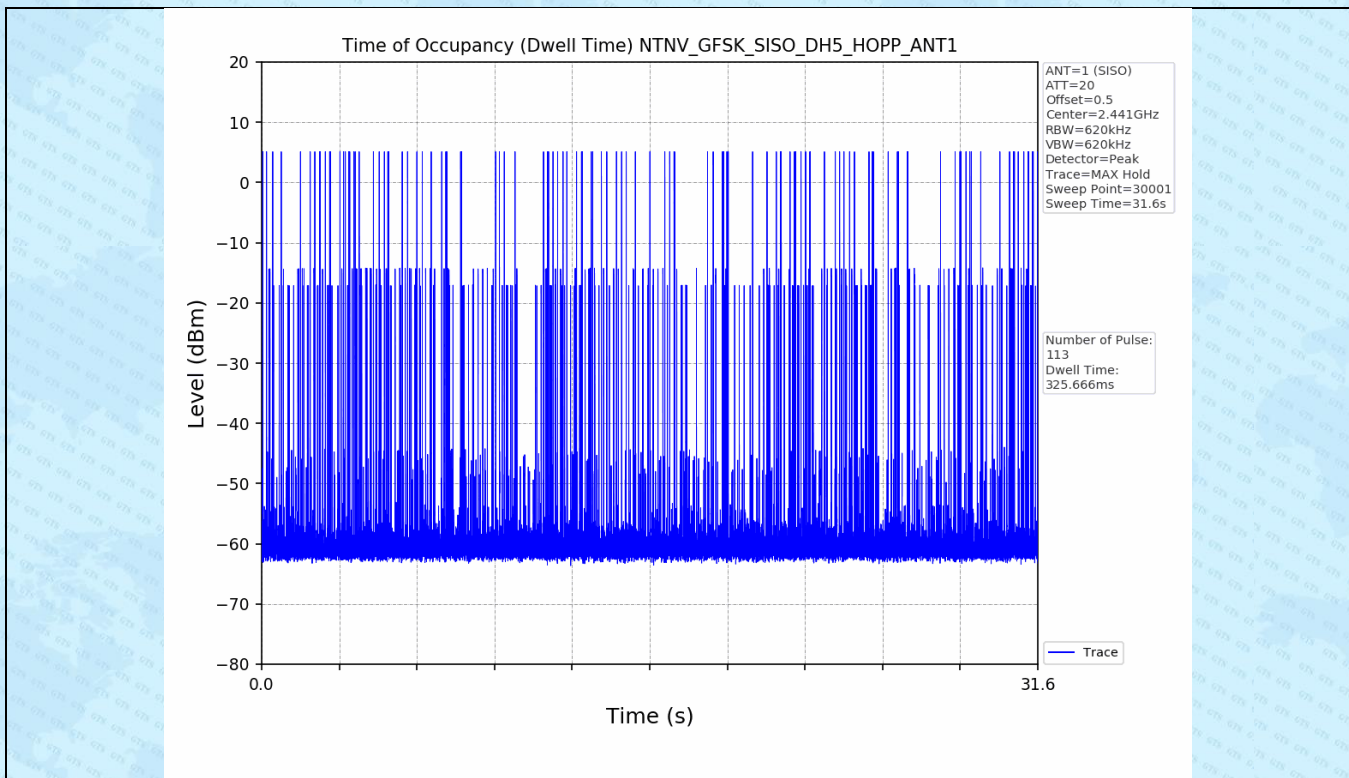
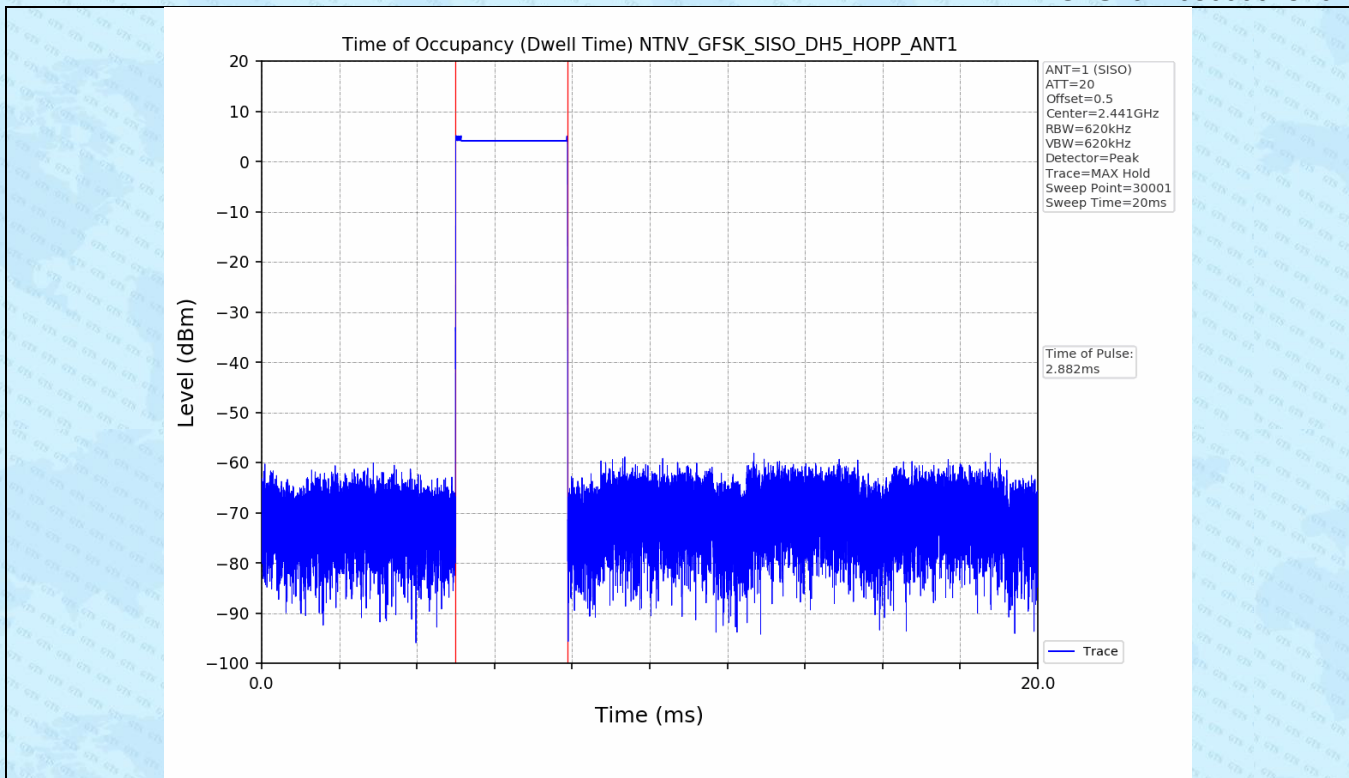
5.1 Test Result

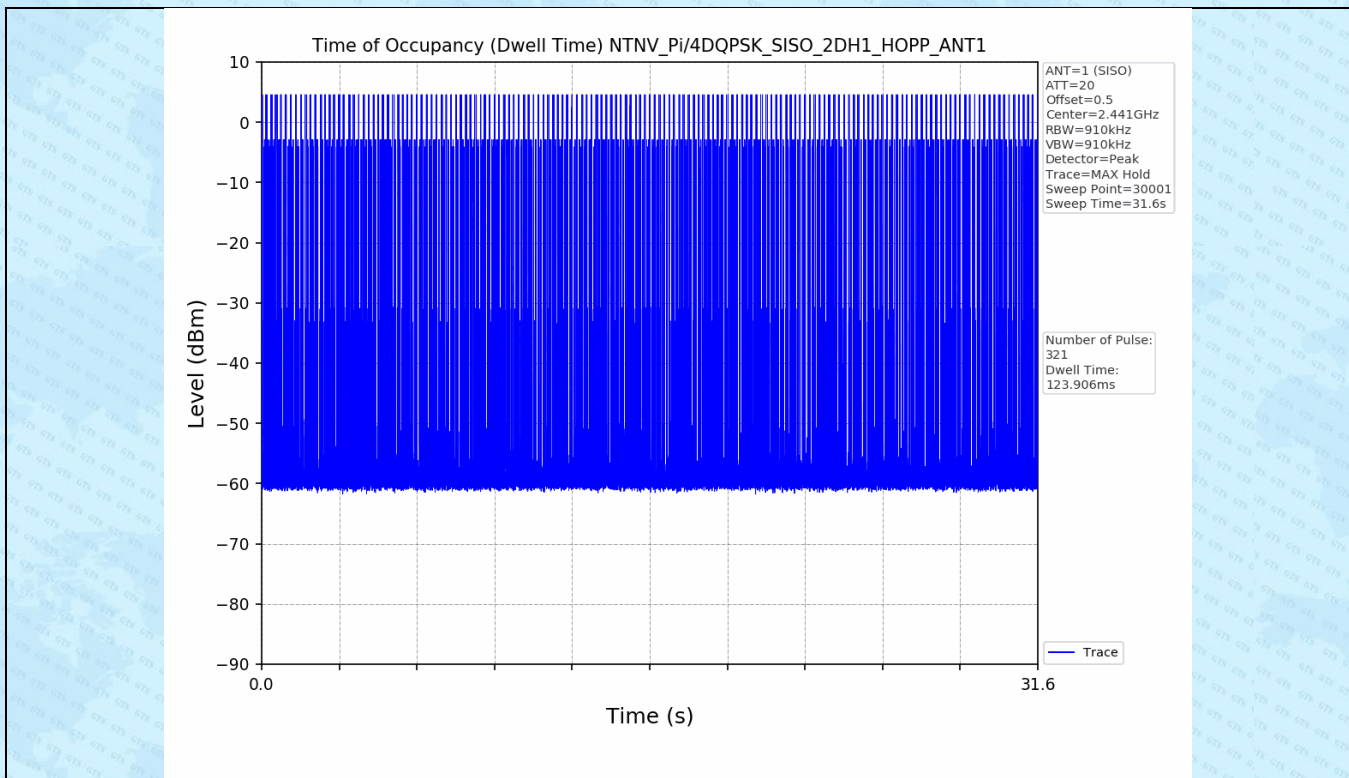
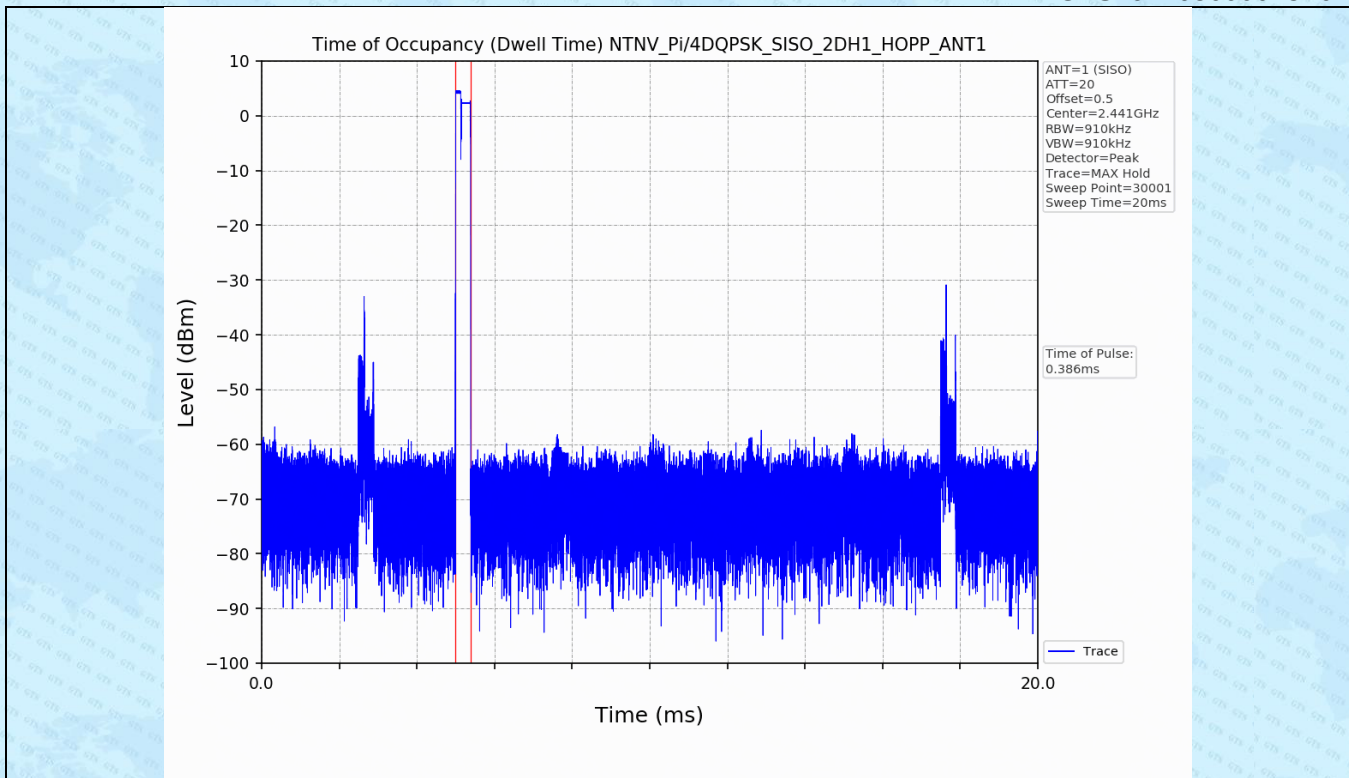
Test Mode	Packet Type	TX Type	ANT No.	Duration of Single Pulse (ms)	Observation Period (s)	Num of Pulse in Observation Period	Dwell Time (ms)	Limits (ms)	Verdict
GFSK	DH1	SISO	1	0.379	31.6	318	120.522	≤400	PASS
	DH3	SISO	1	1.633	31.6	162	264.546	≤400	PASS
	DH5	SISO	1	2.882	31.6	113	325.666	≤400	PASS
Pi/4DQ PSK	2DH1	SISO	1	0.386	31.6	321	123.906	≤400	PASS
	2DH3	SISO	1	1.639	31.6	161	263.879	≤400	PASS
	2DH5	SISO	1	2.817	31.6	112	315.504	≤400	PASS
8DPSK	3DH1	SISO	1	0.387	31.6	320	123.840	≤400	PASS
	3DH3	SISO	1	1.631	31.6	164	267.484	≤400	PASS
	3DH5	SISO	1	2.819	31.6	109	307.271	≤400	PASS

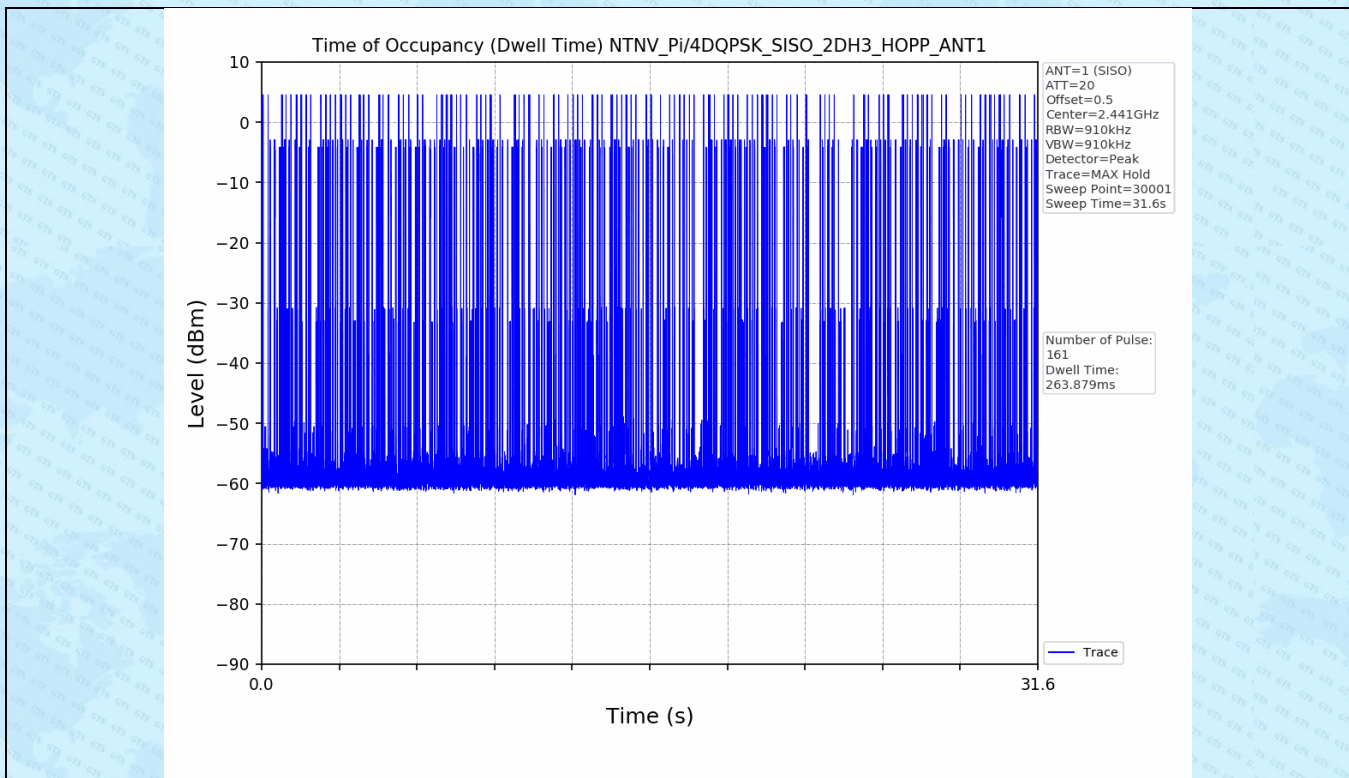
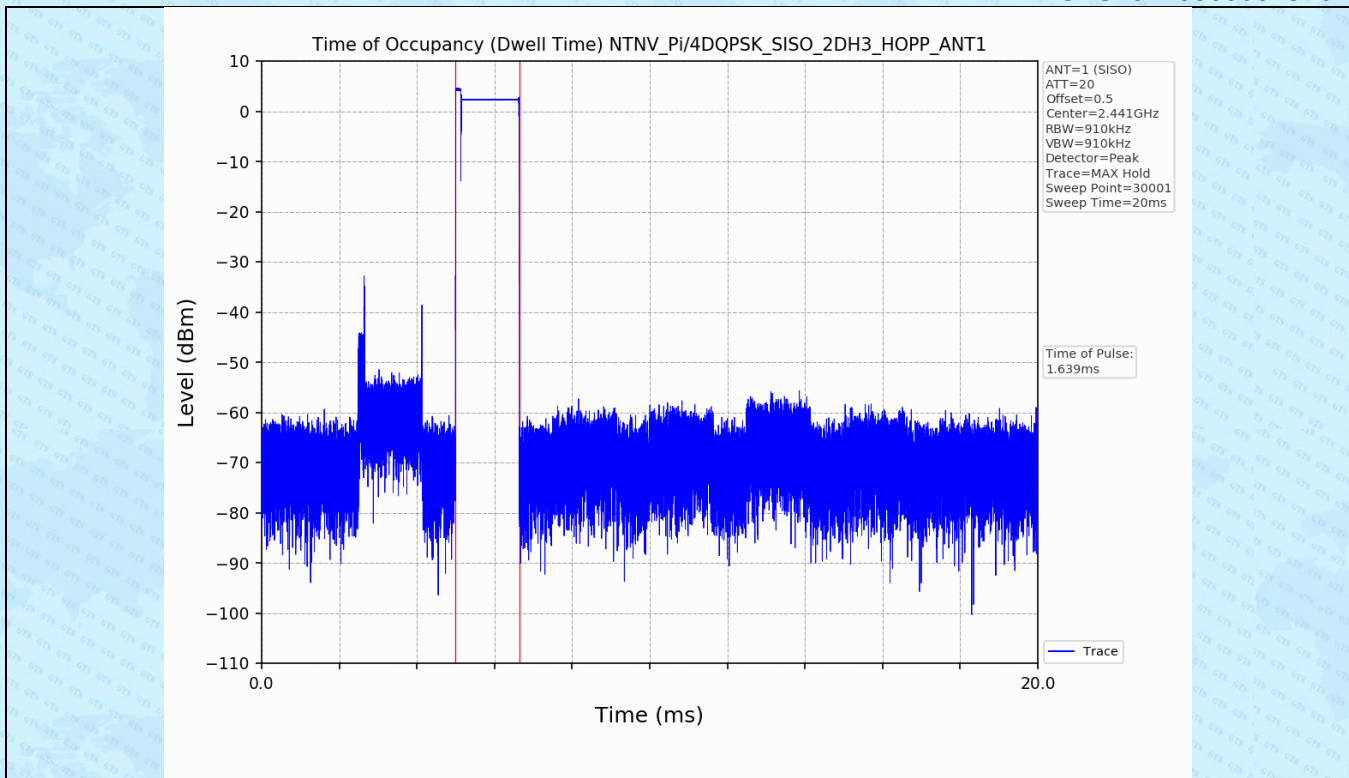
5.2 Test Graph

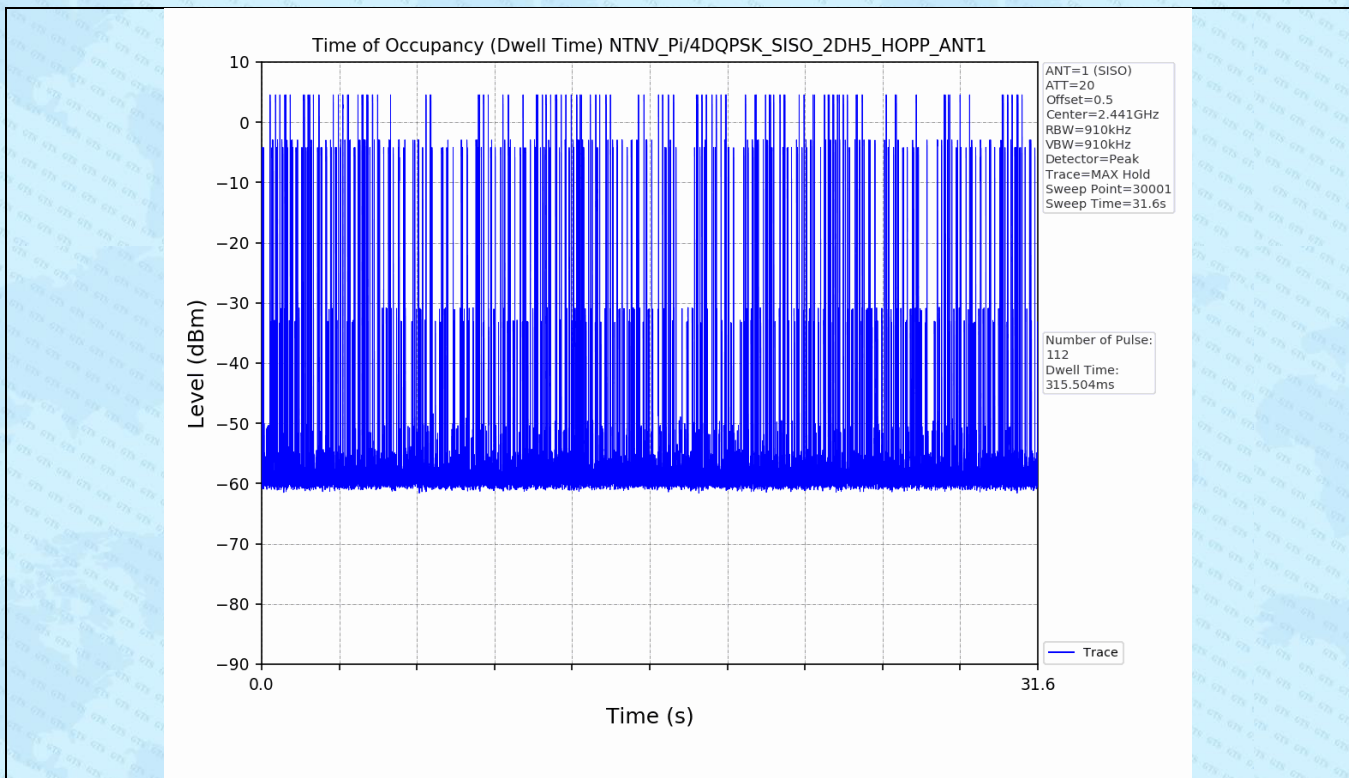
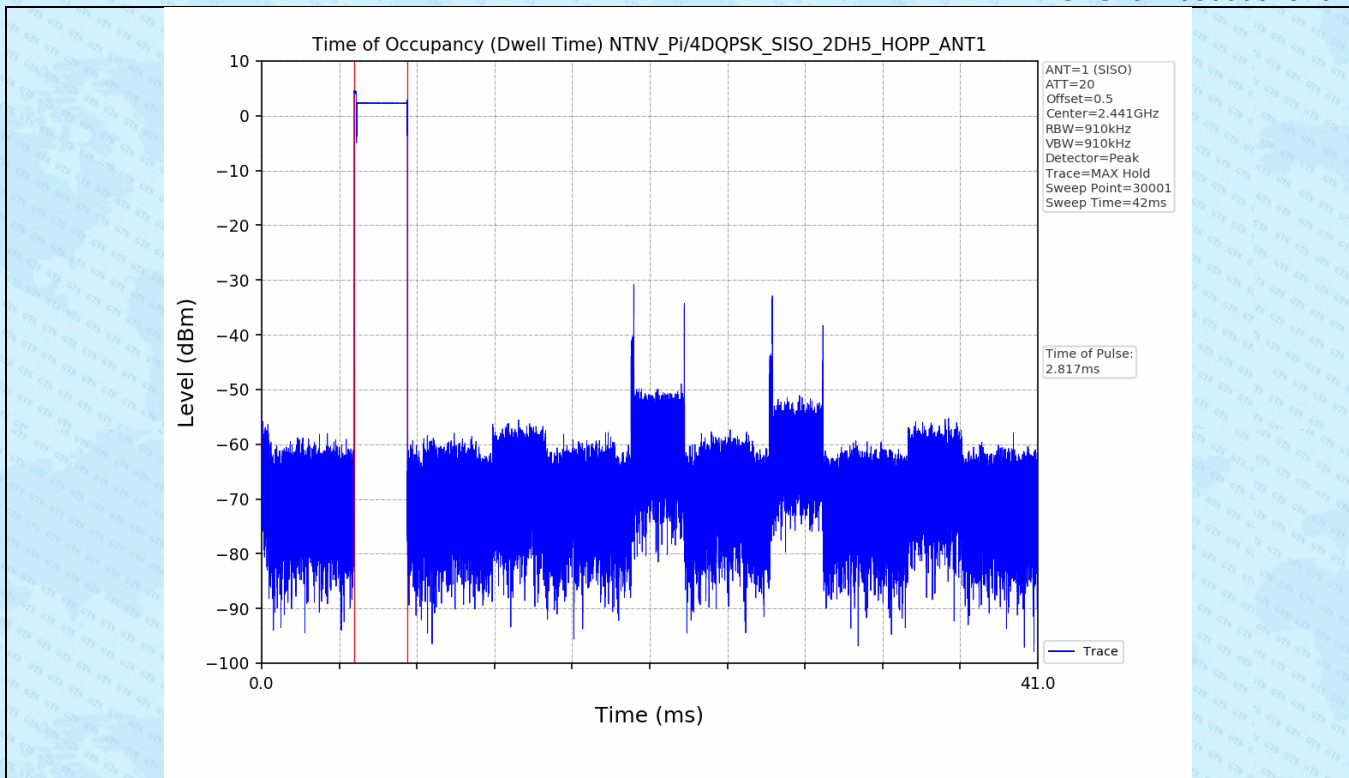


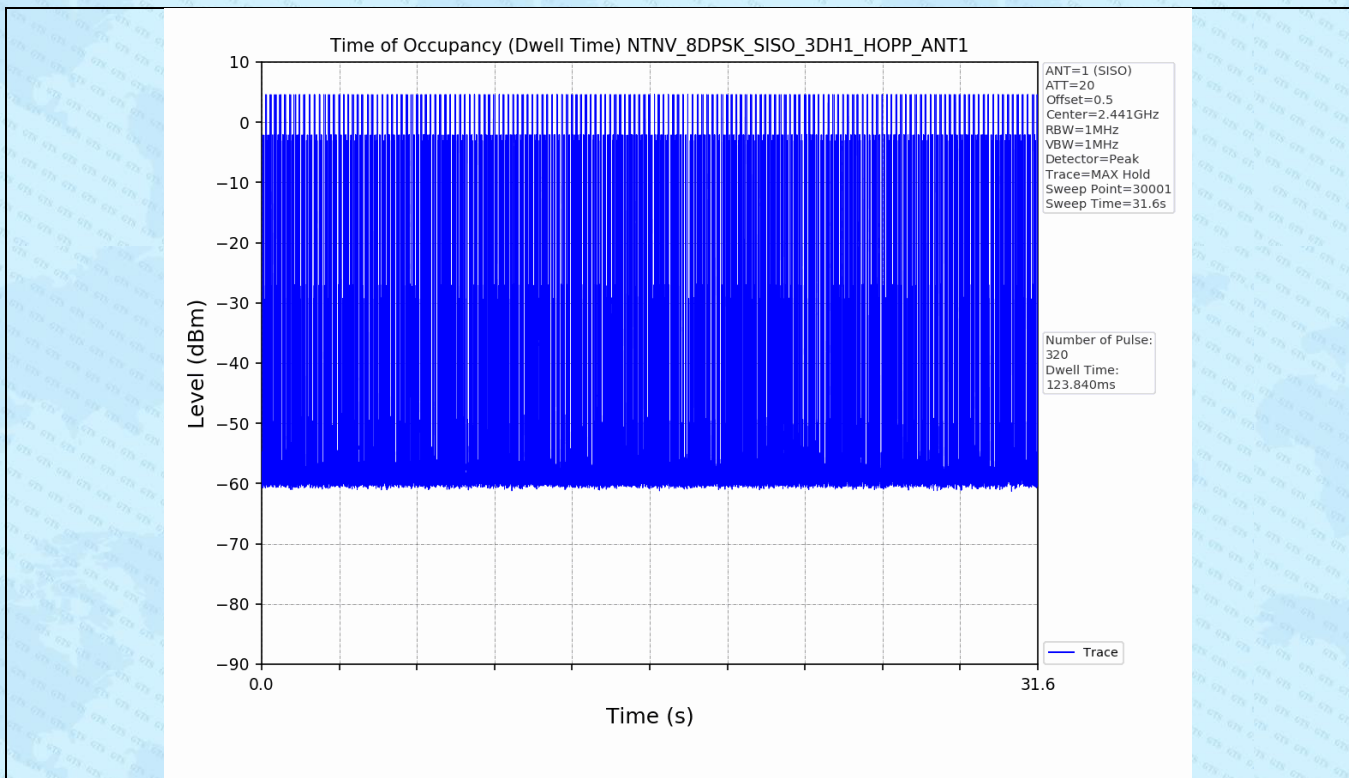
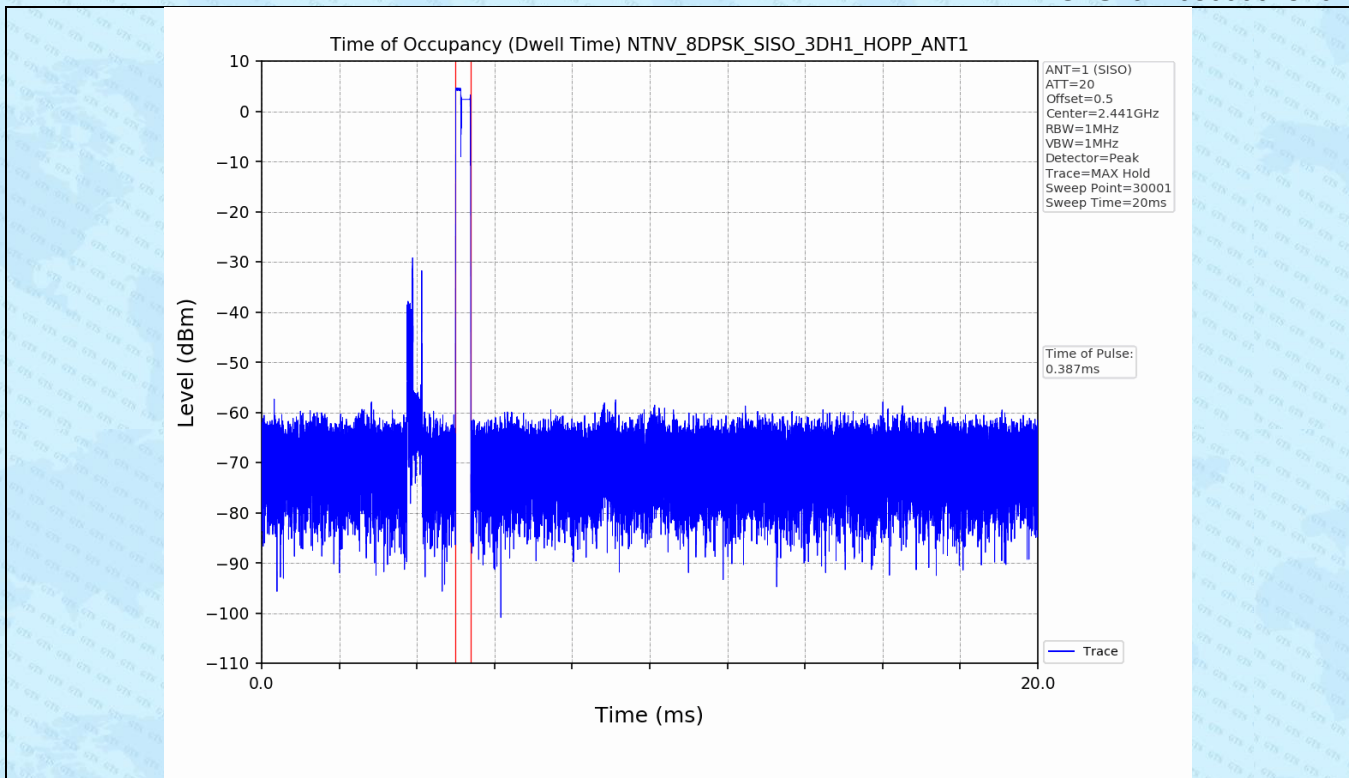


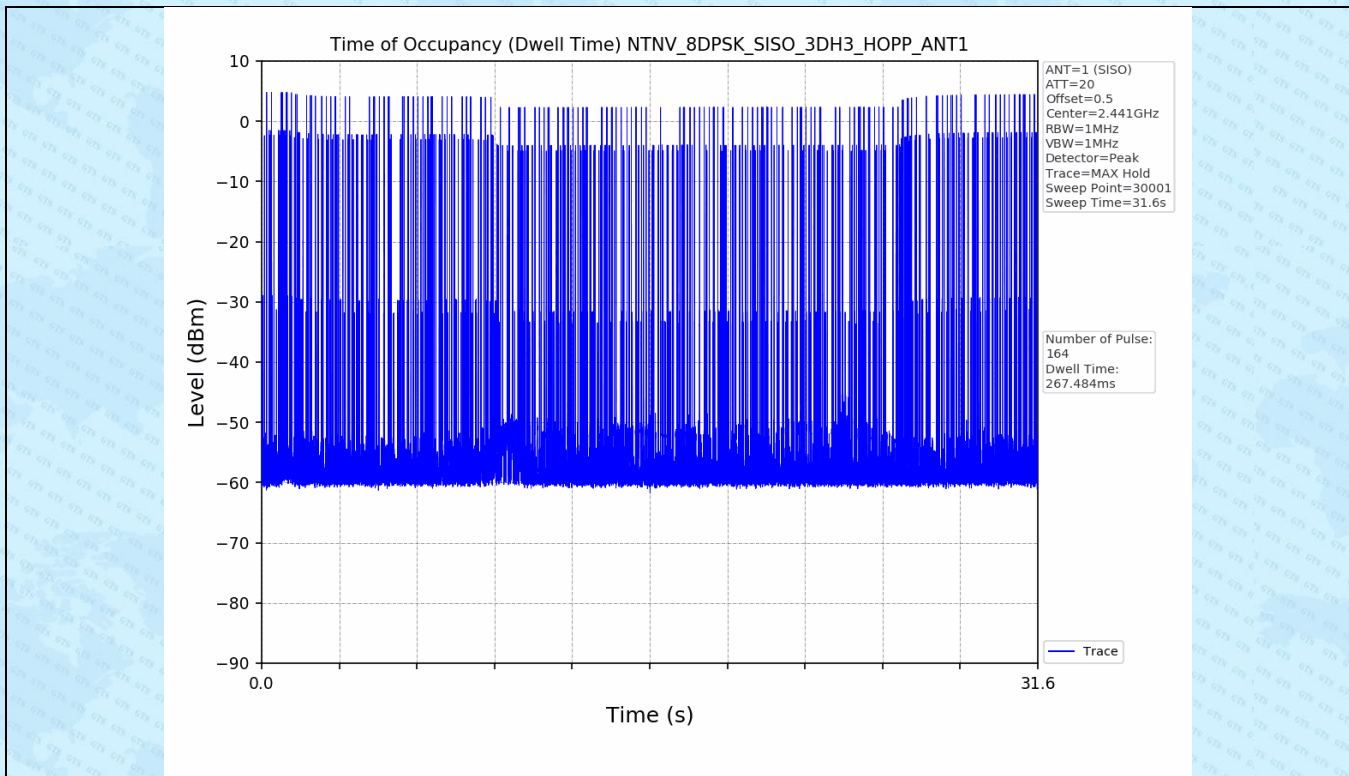
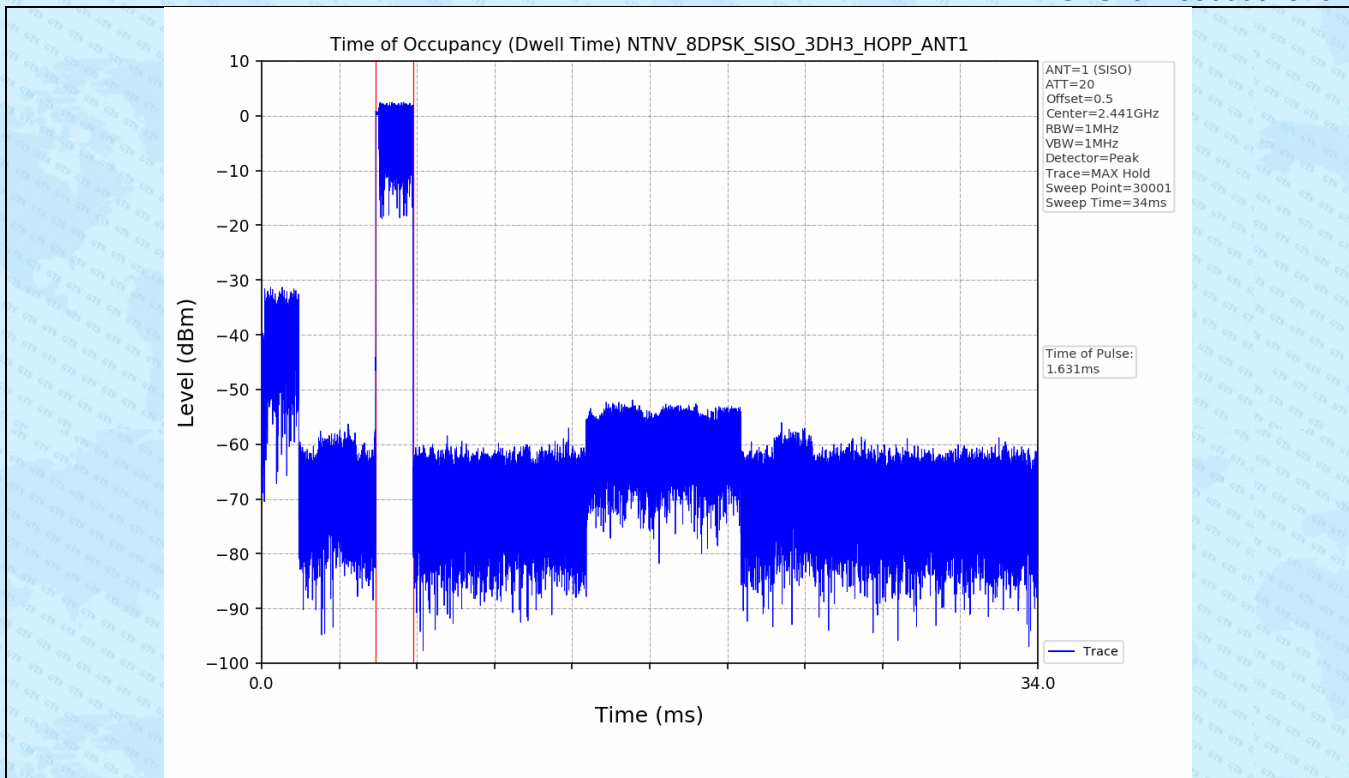


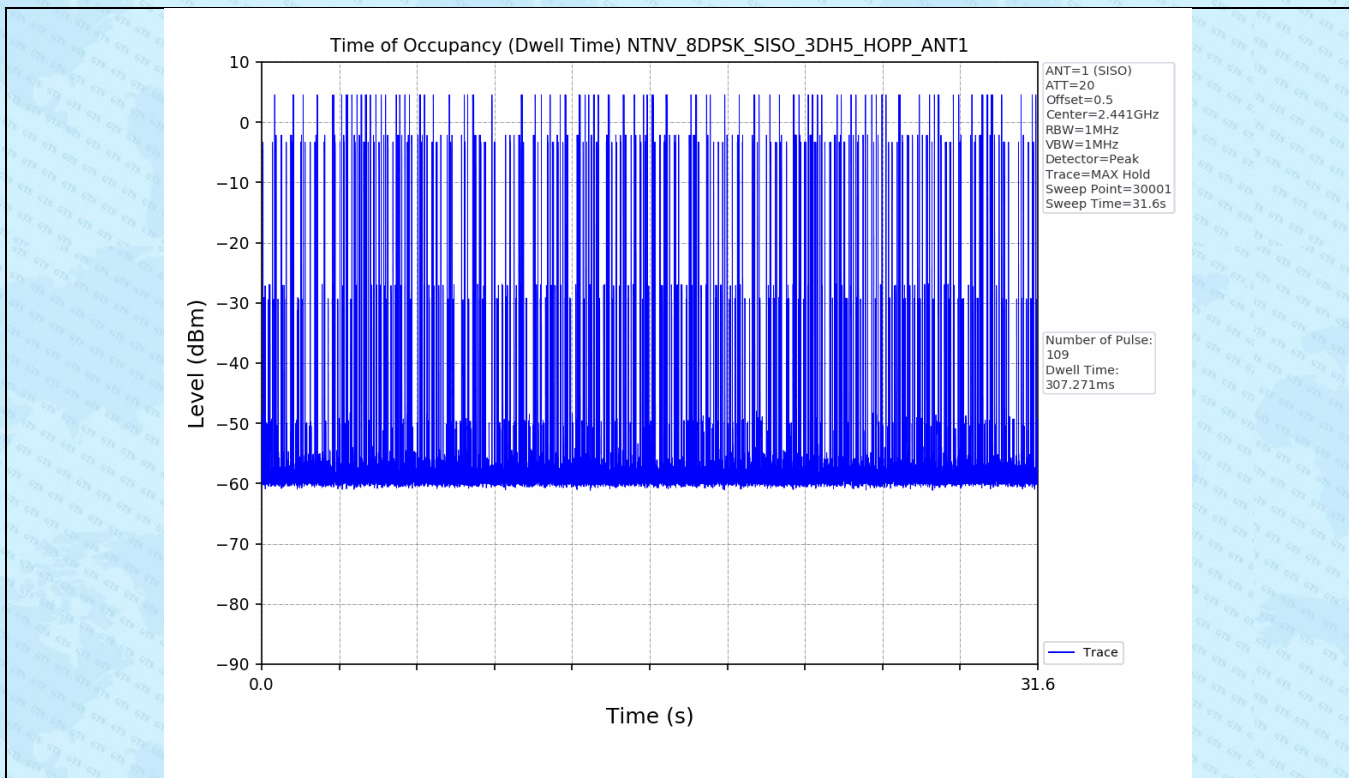
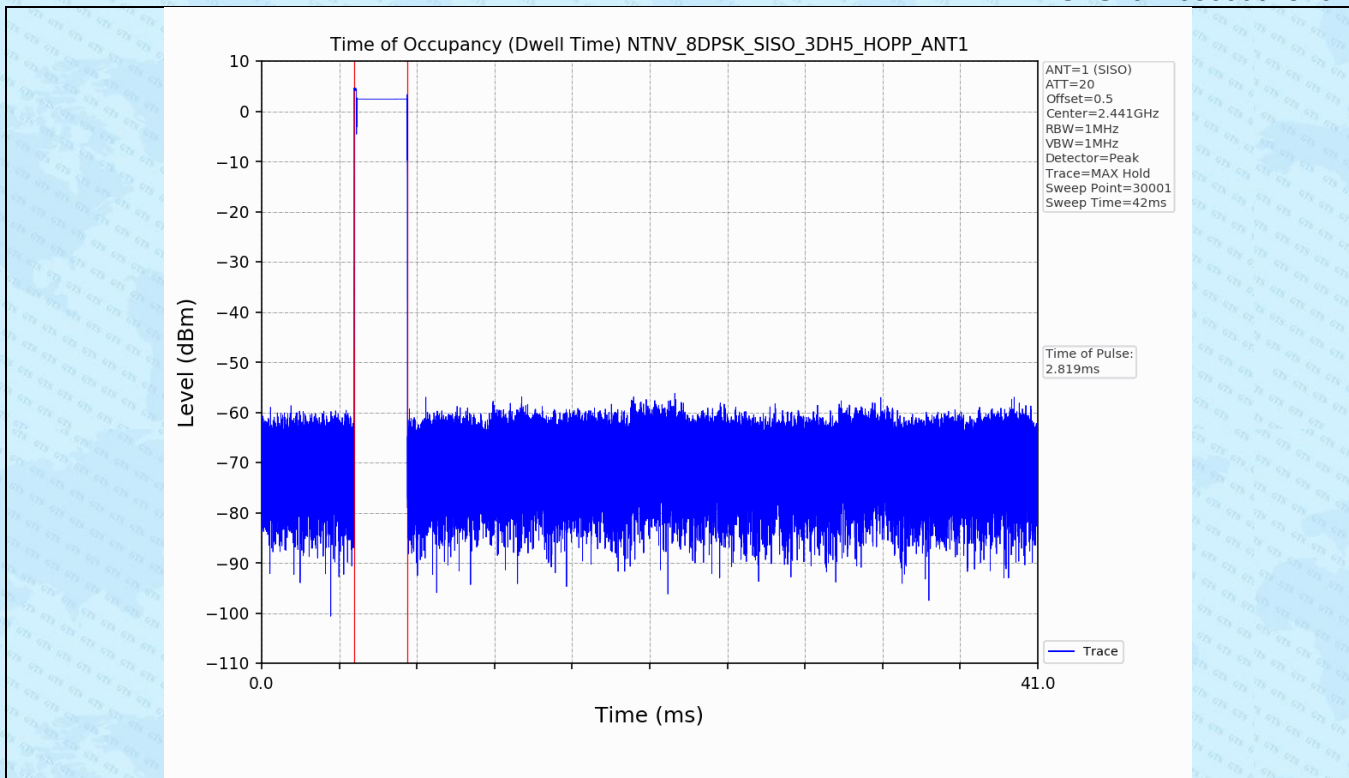










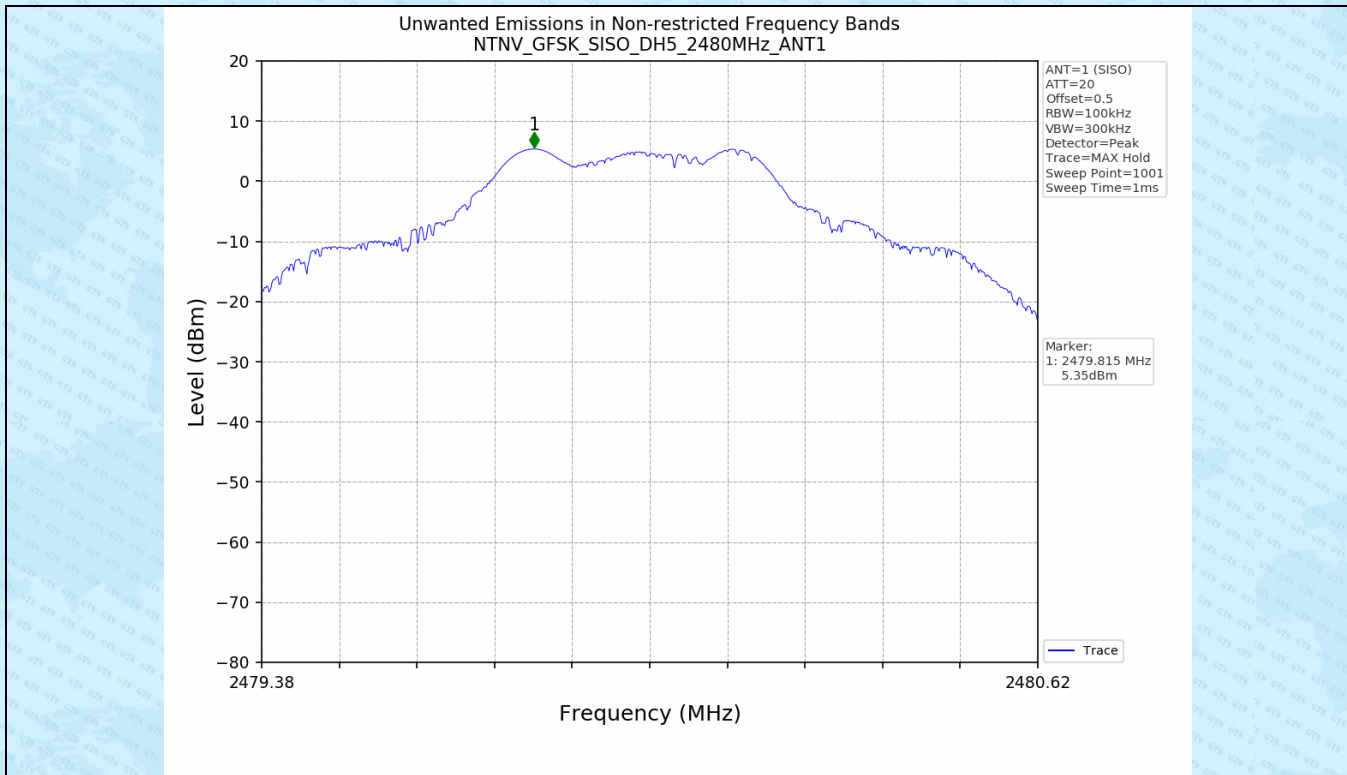


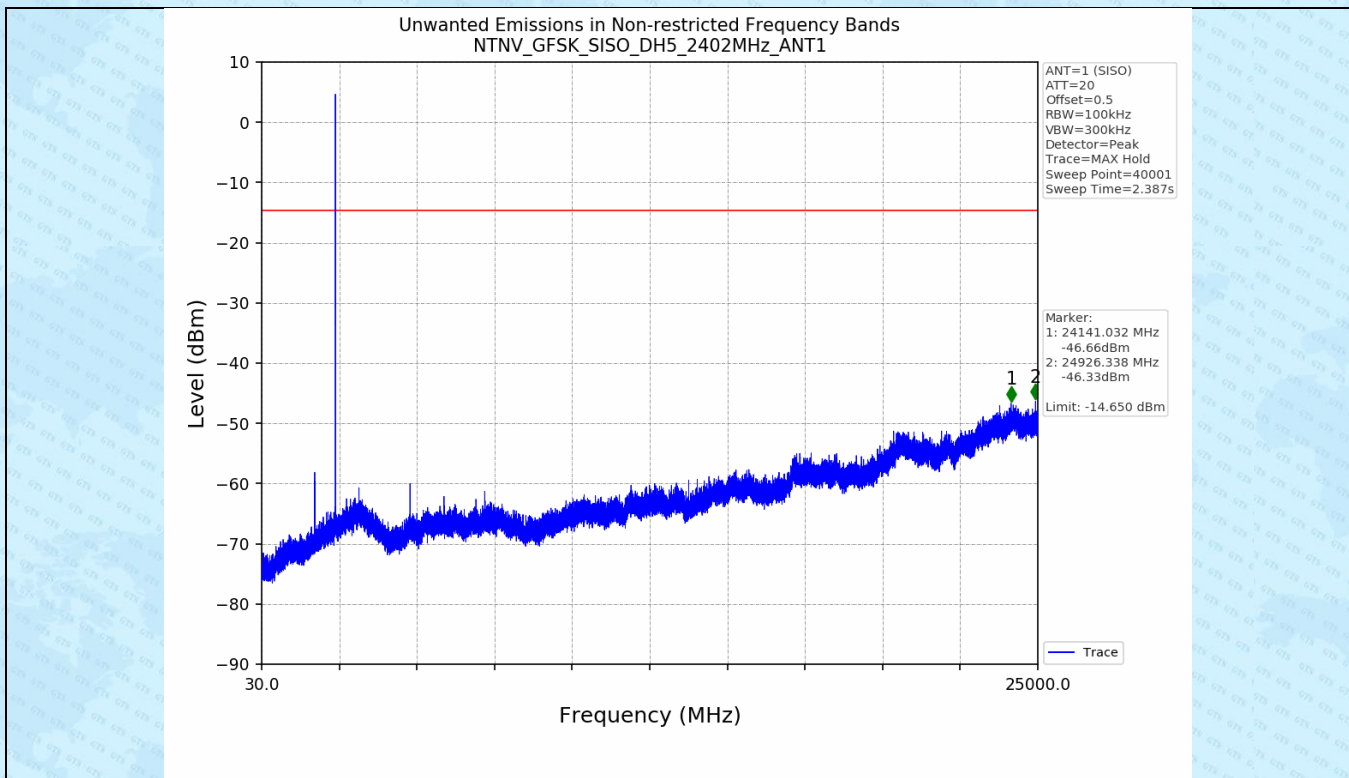
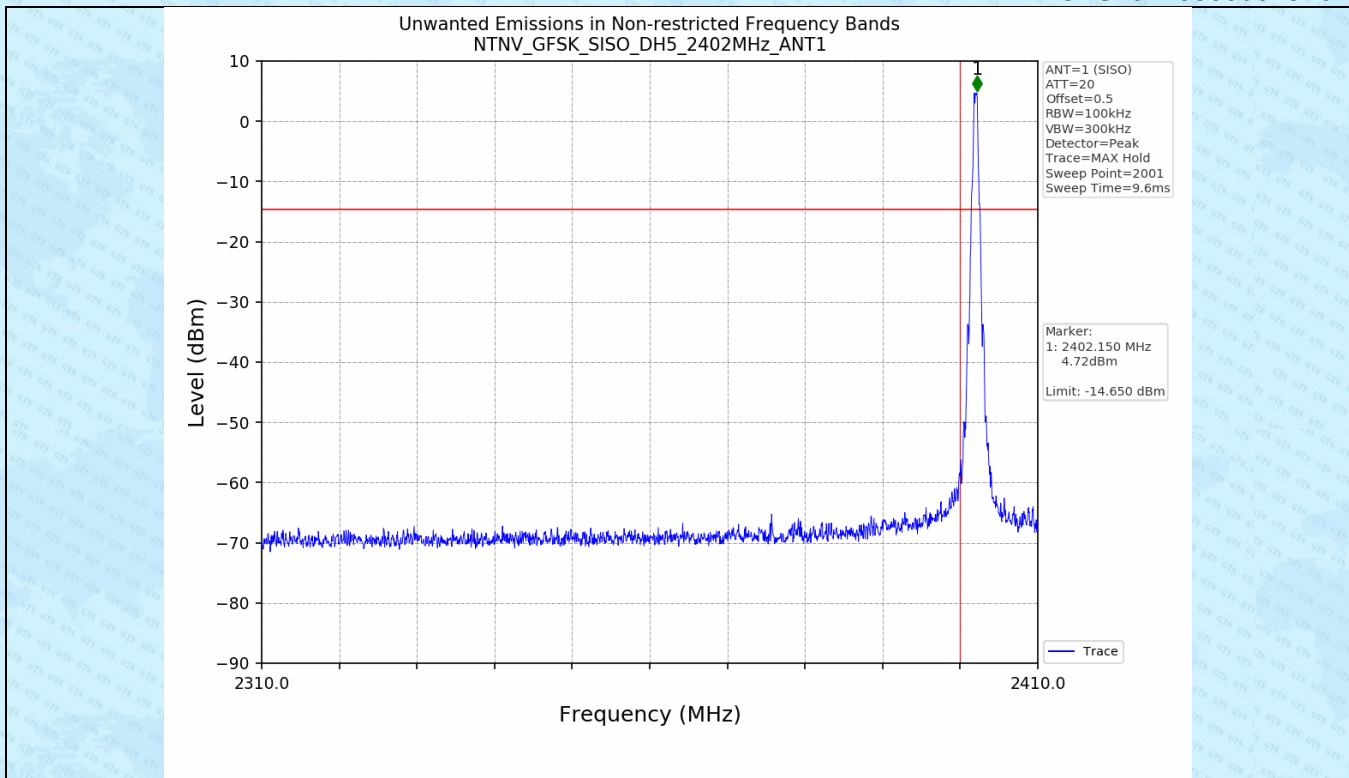
6. Unwanted Emissions in Non-restricted Frequency Bands

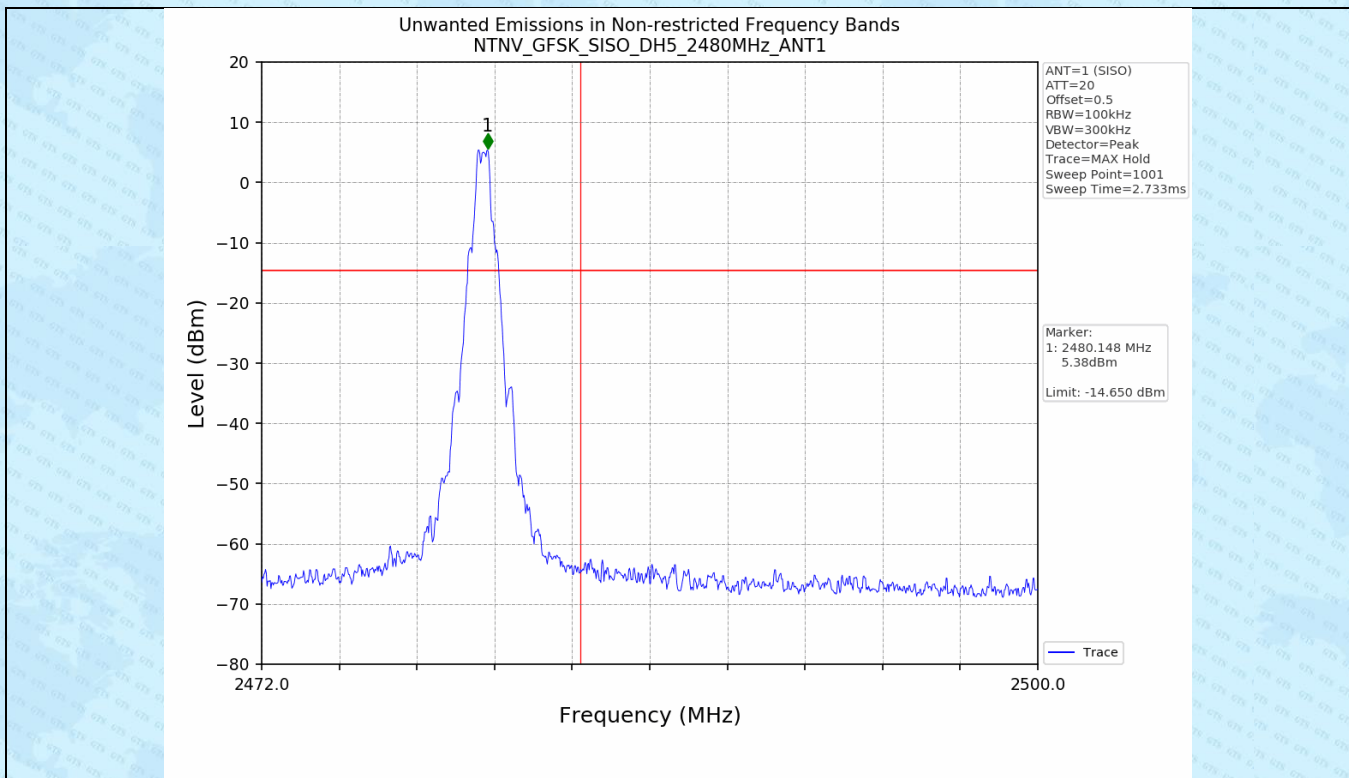
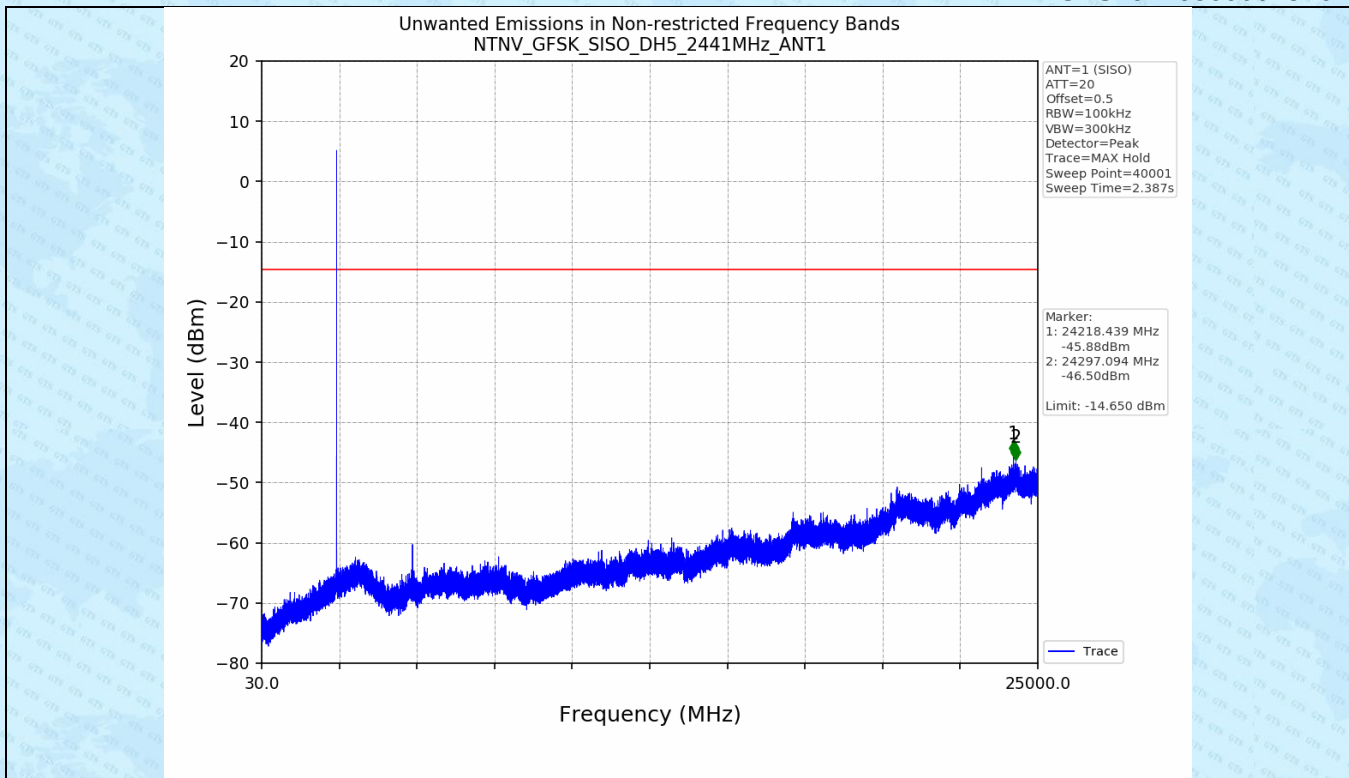
6.1 Test Result

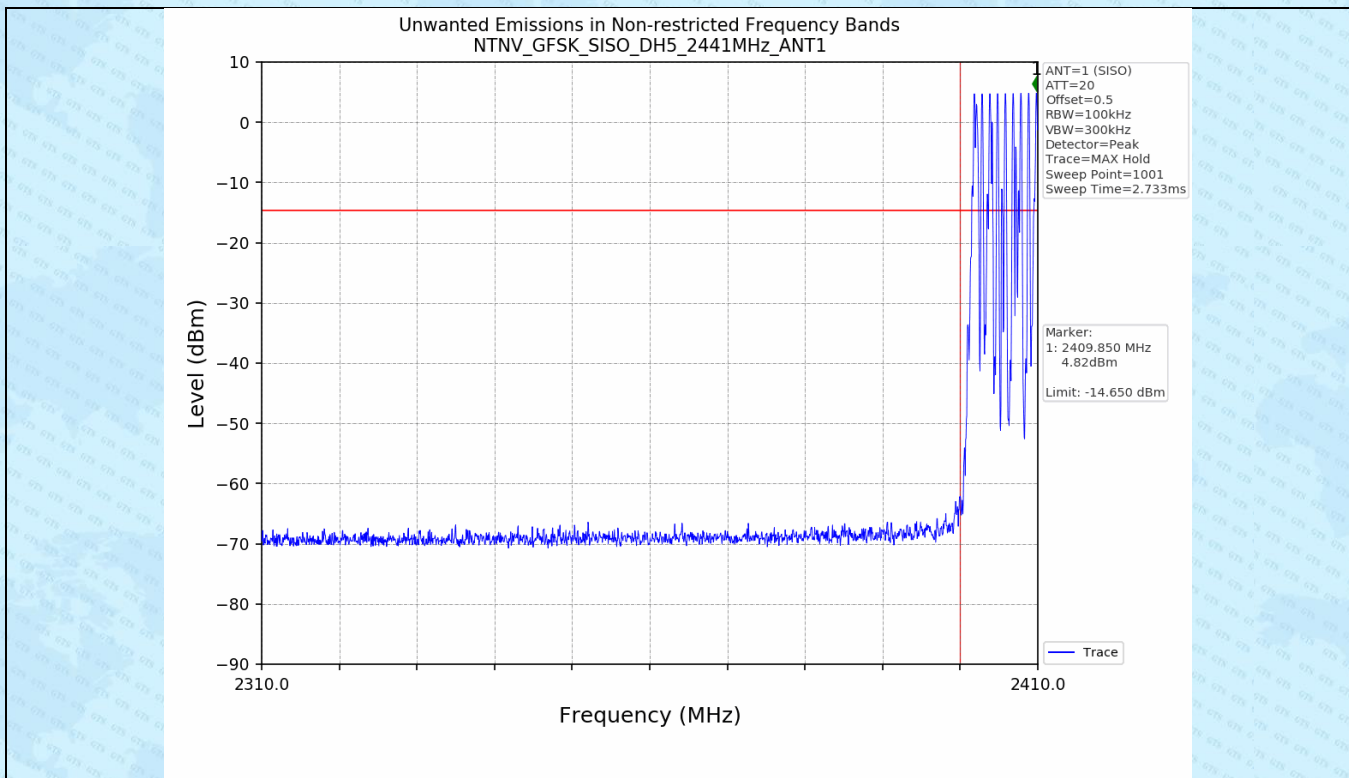
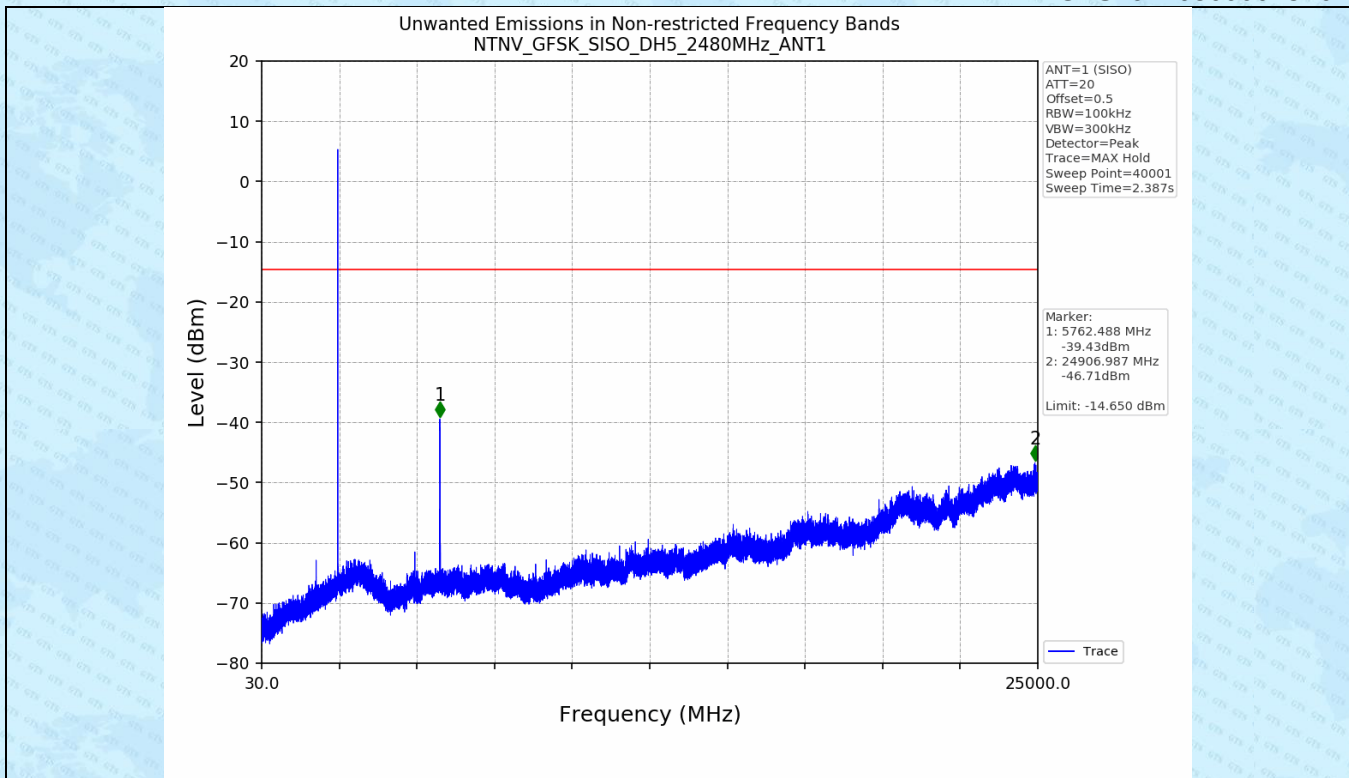
Test Mode	Frequency (MHz)	TX Type	ANT No.	Spurious Conducted Emission (dBm)	Limits (dBm)	Verdict
GFSK	2402	SISO	1	Refer to test graph	-14.65	PASS
	2441	SISO	1	Refer to test graph	-14.65	PASS
	2480	SISO	1	Refer to test graph	-14.65	PASS
	Hopping	SISO	1	Refer to test graph	-14.65	PASS
Pi/4DQPSK	2402	SISO	1	Refer to test graph	-15.34	PASS
	2441	SISO	1	Refer to test graph	-15.34	PASS
	2480	SISO	1	Refer to test graph	-15.34	PASS
	Hopping	SISO	1	Refer to test graph	-15.34	PASS
8DPSK	2402	SISO	1	Refer to test graph	-15.35	PASS
	2441	SISO	1	Refer to test graph	-15.35	PASS
	2480	SISO	1	Refer to test graph	-15.35	PASS
	Hopping	SISO	1	Refer to test graph	-15.35	PASS

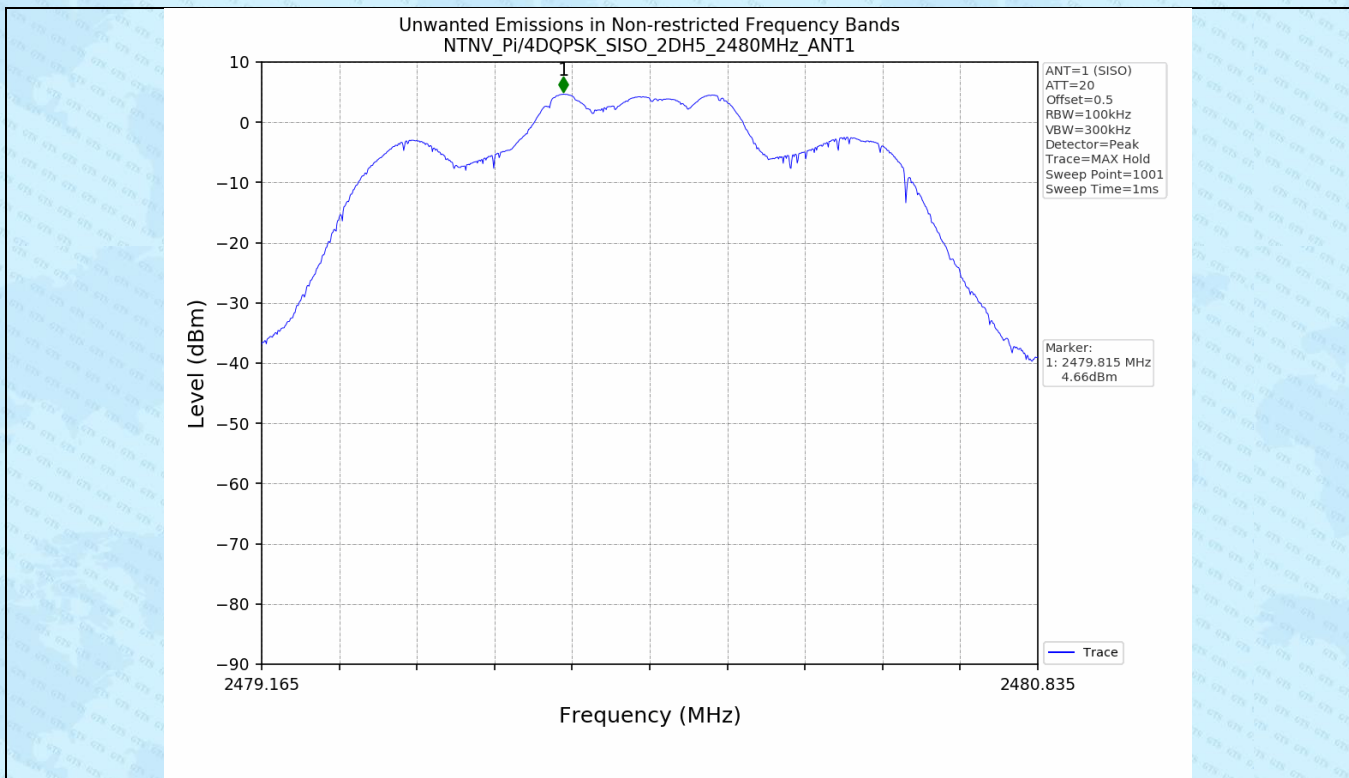
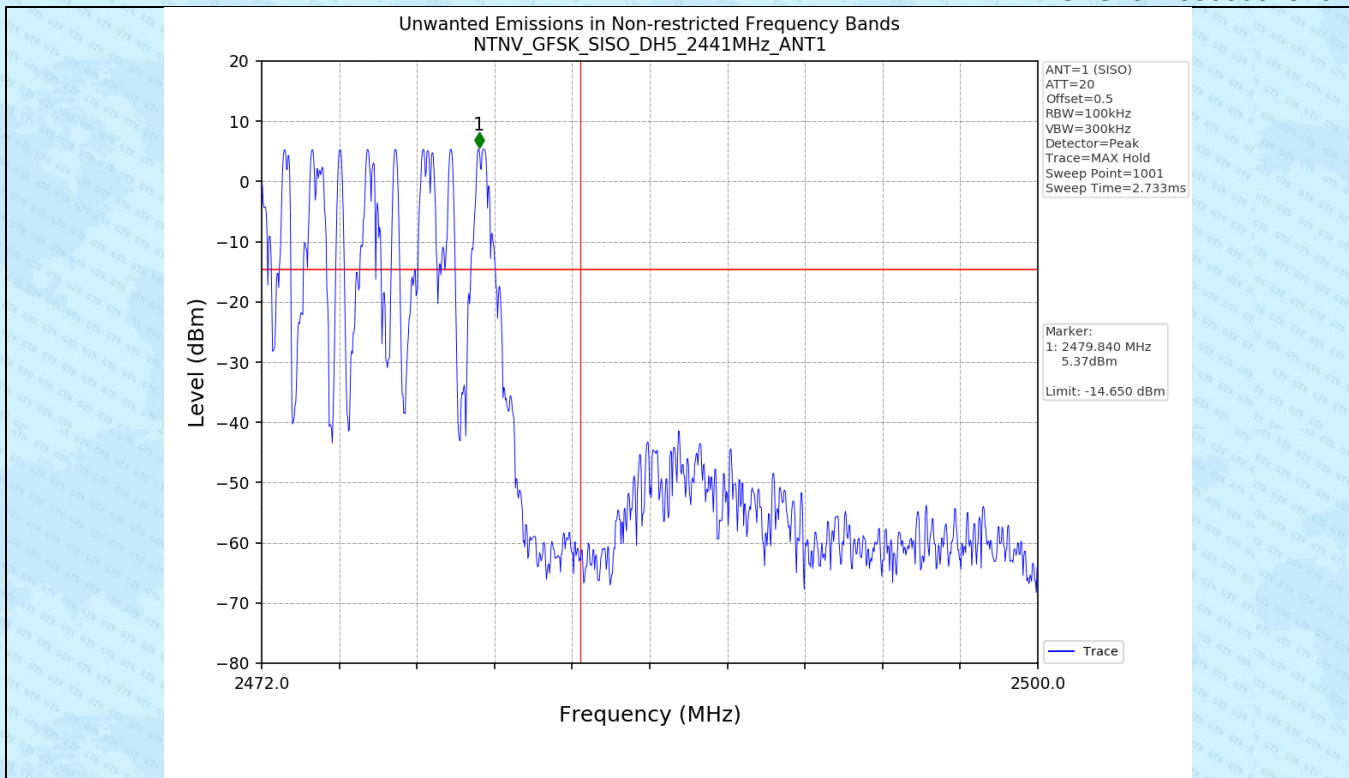
6.2 Test Graph

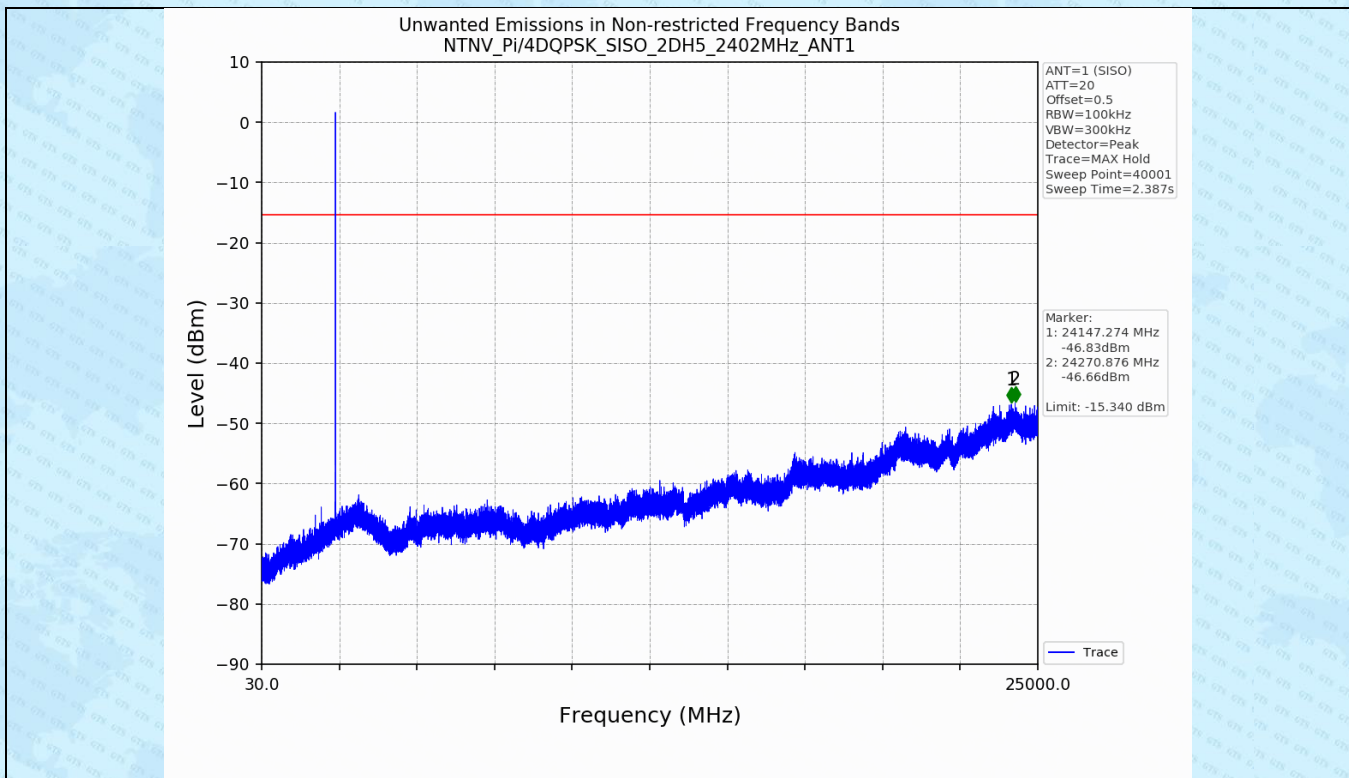
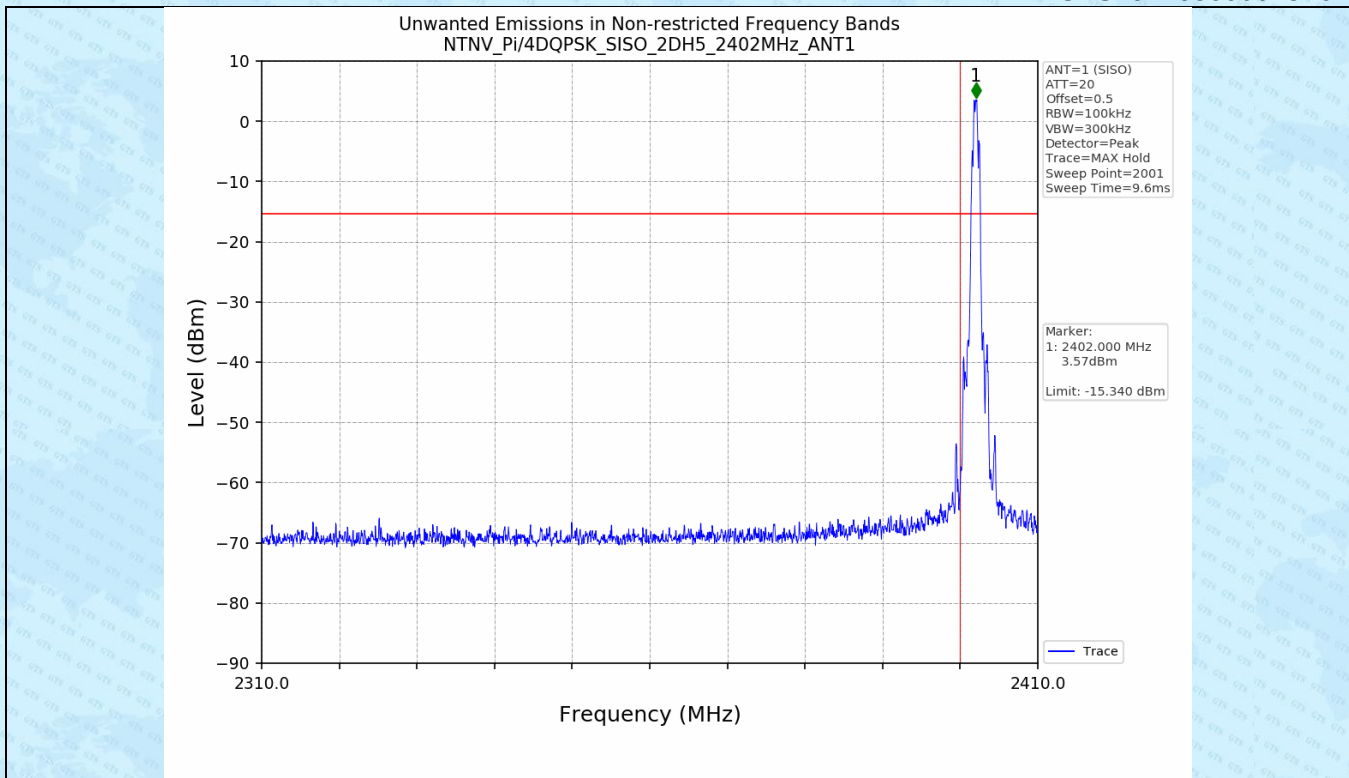


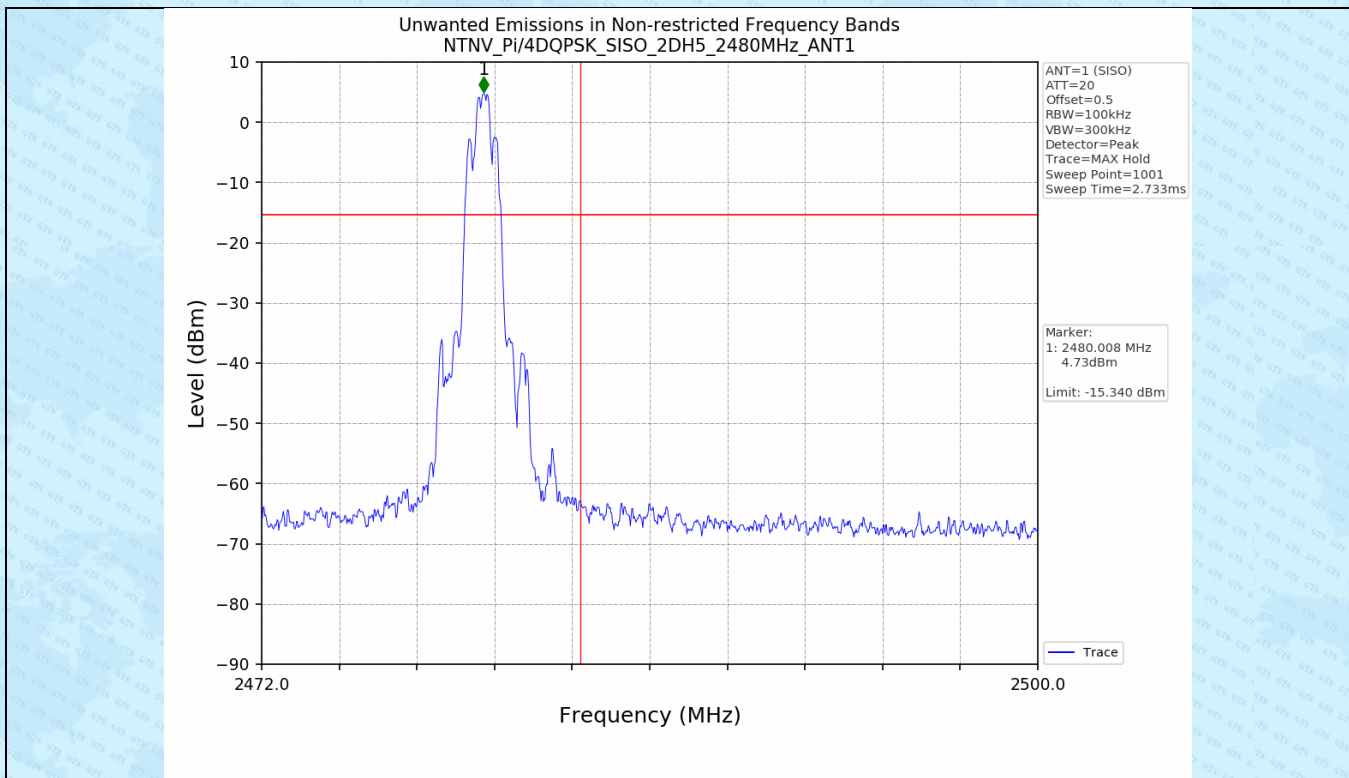
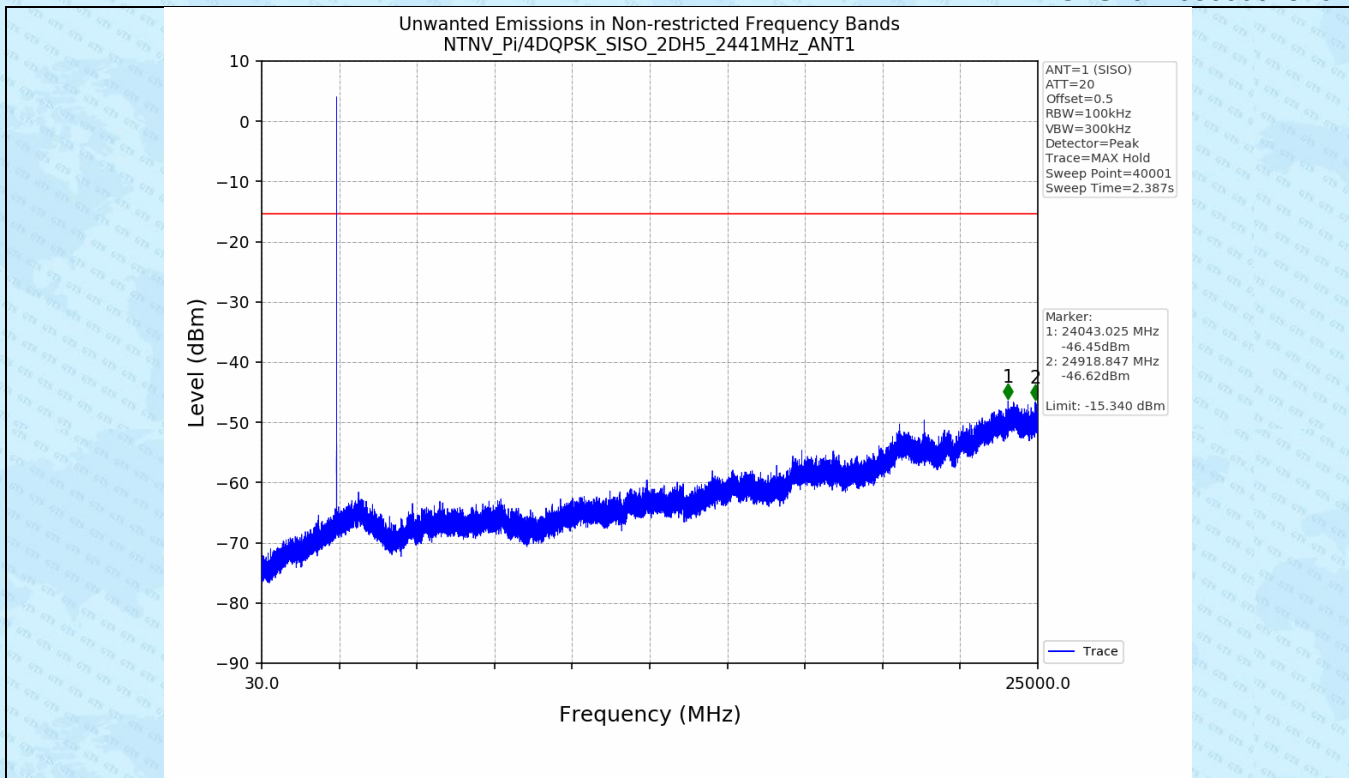


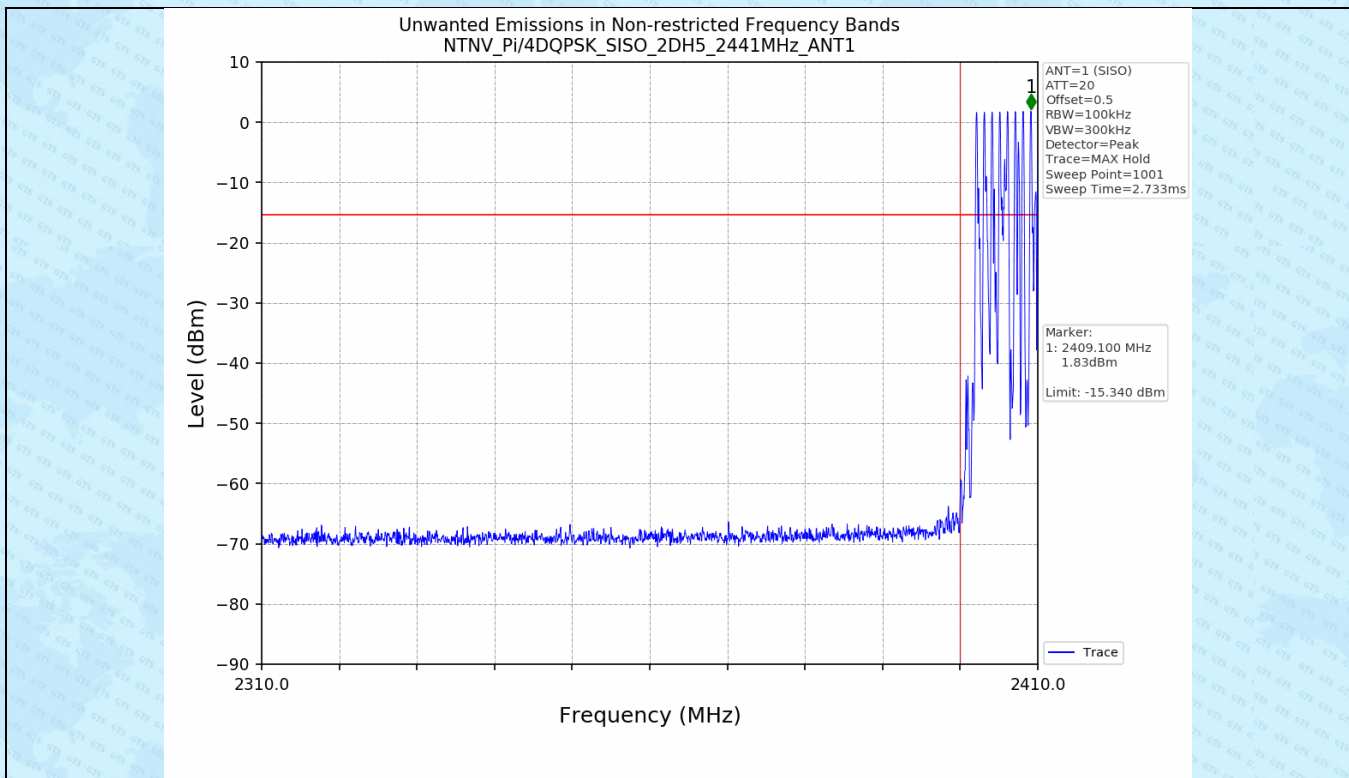
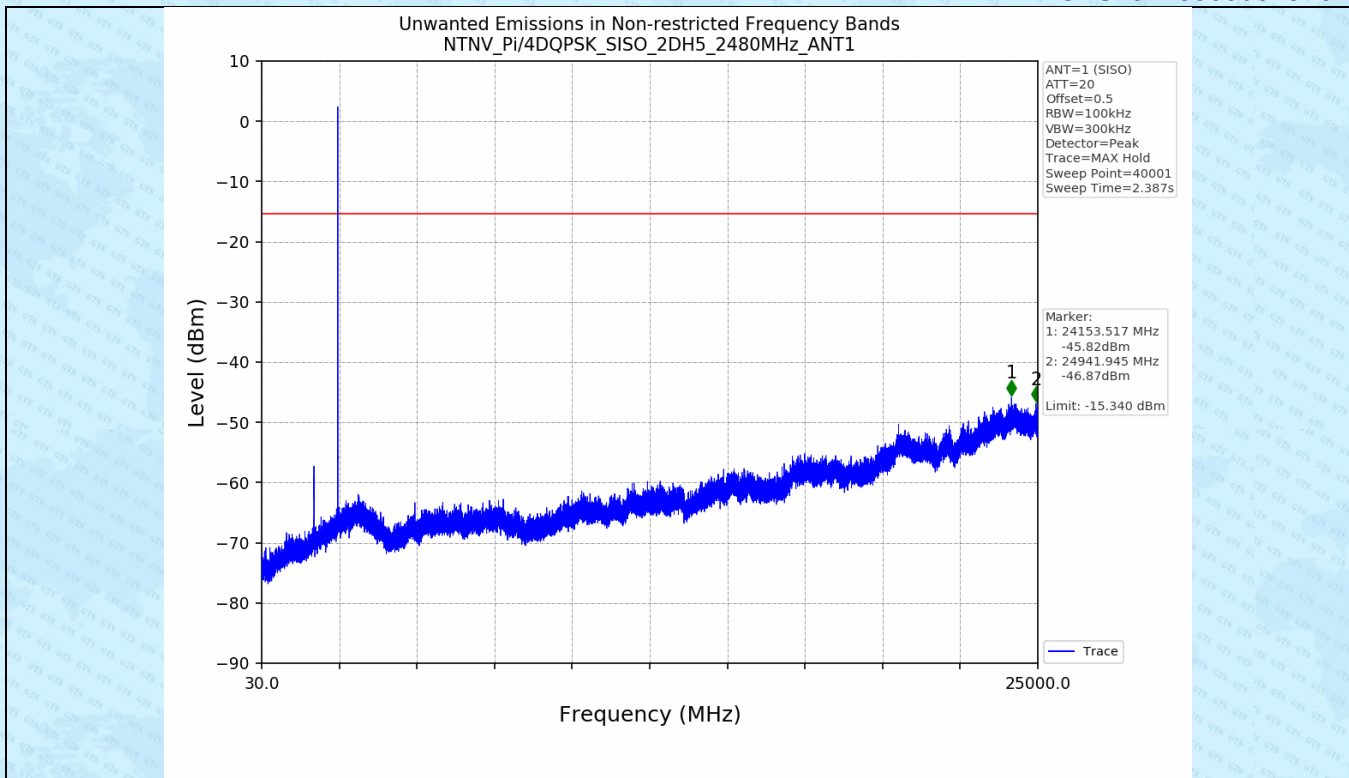


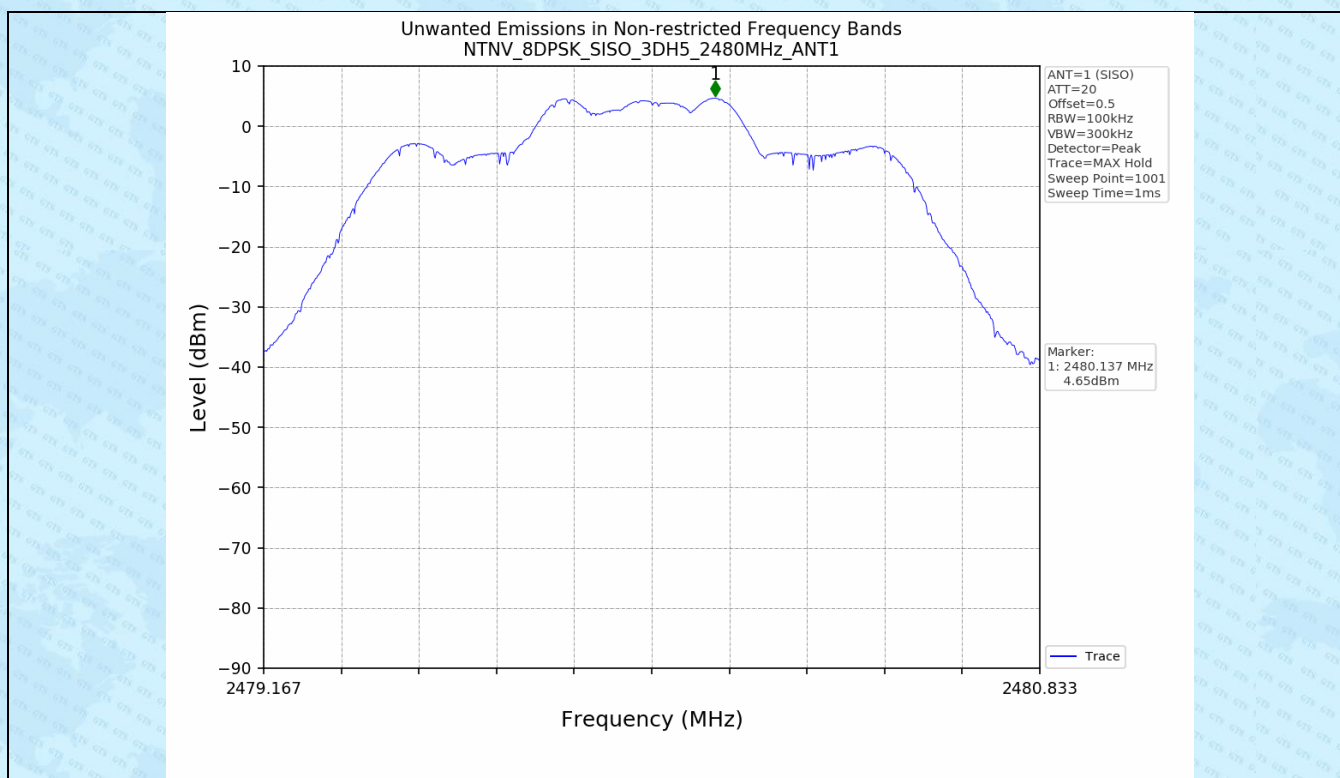
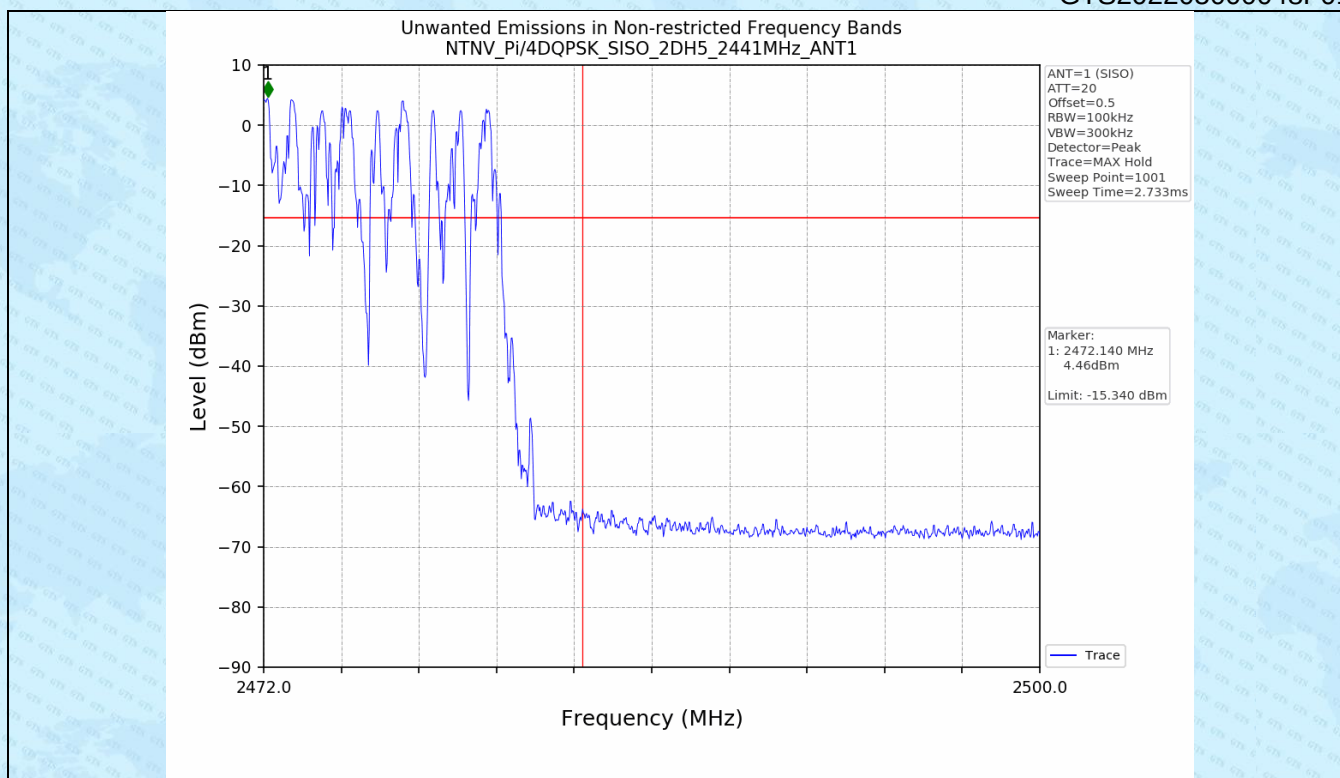


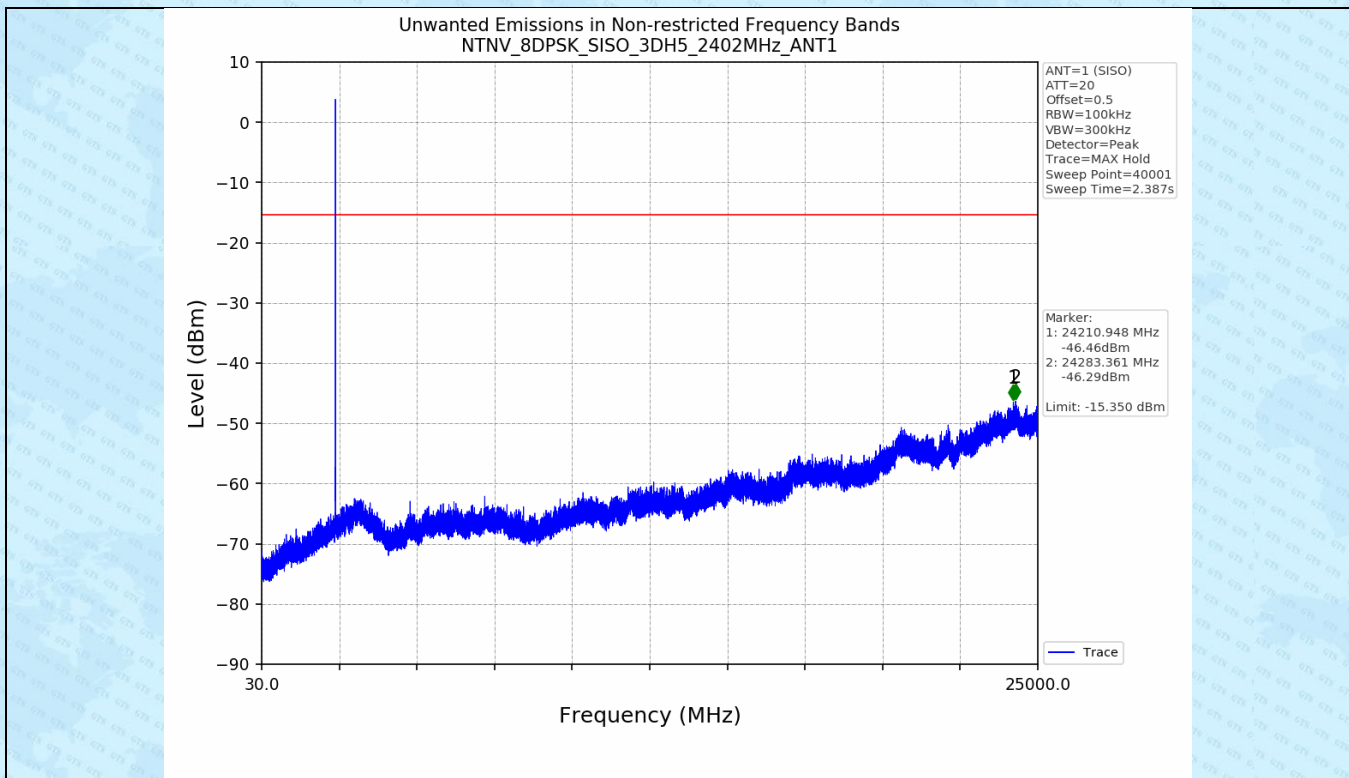
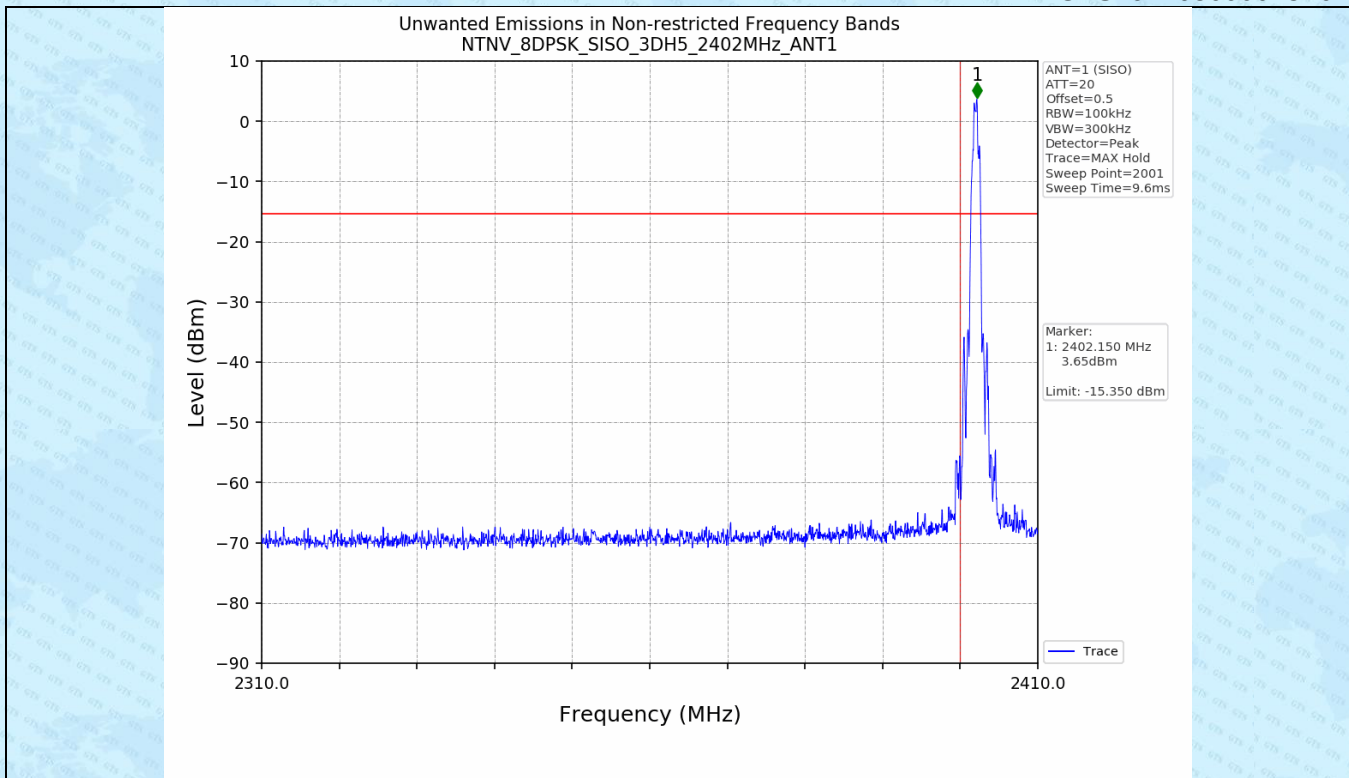


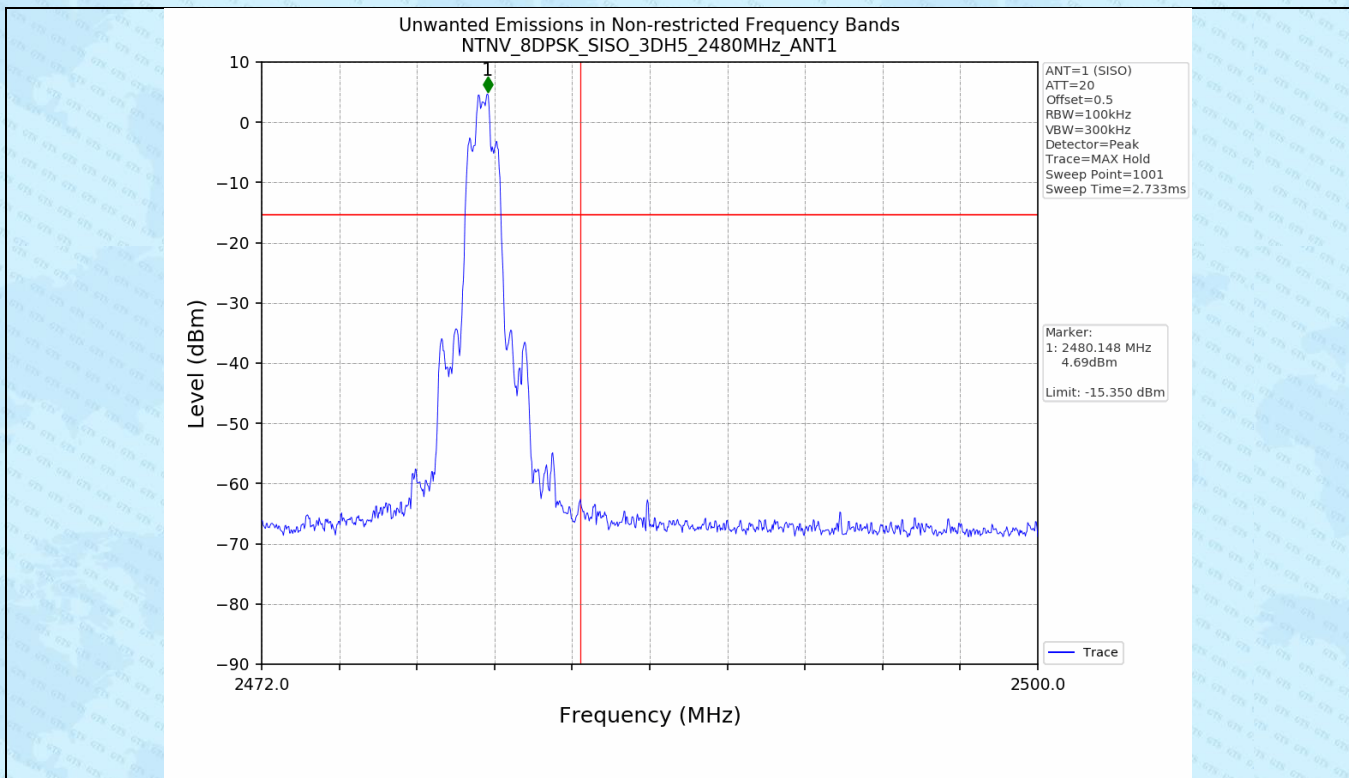
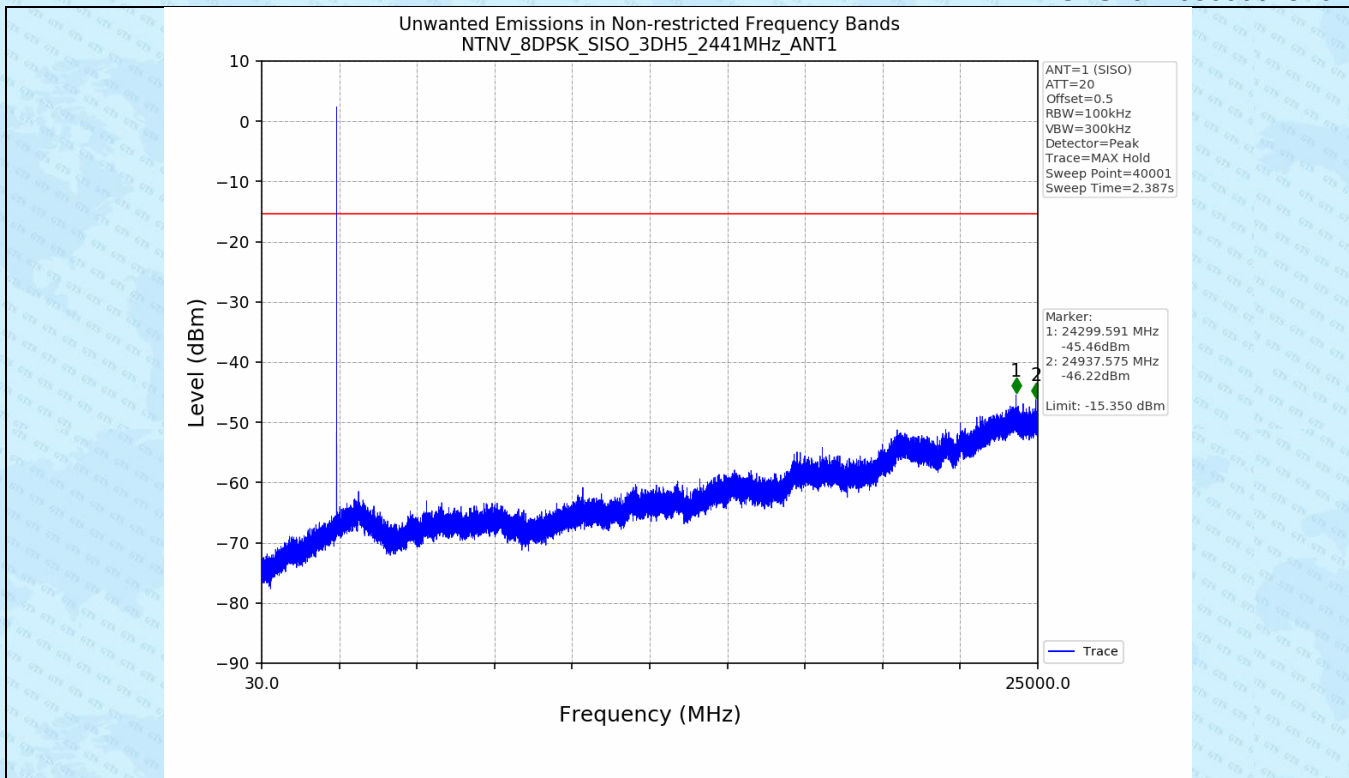


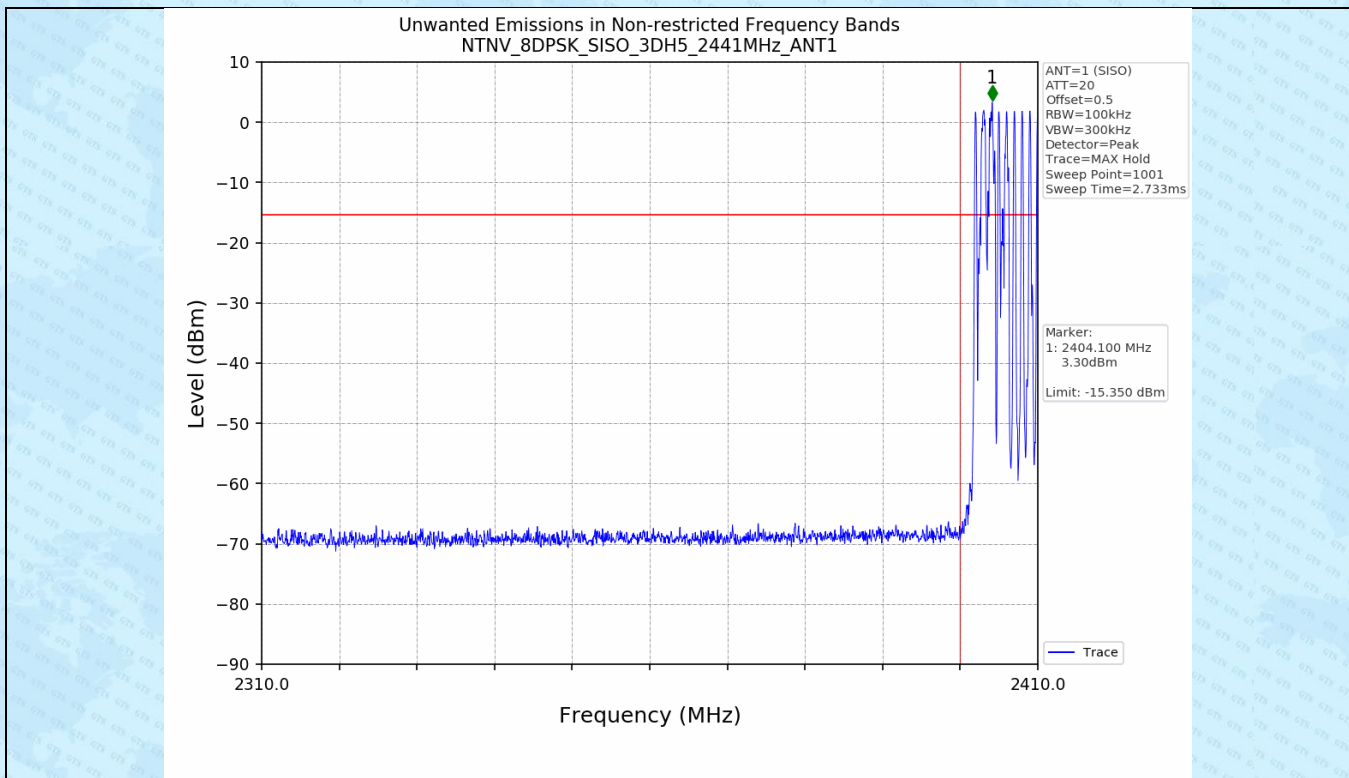
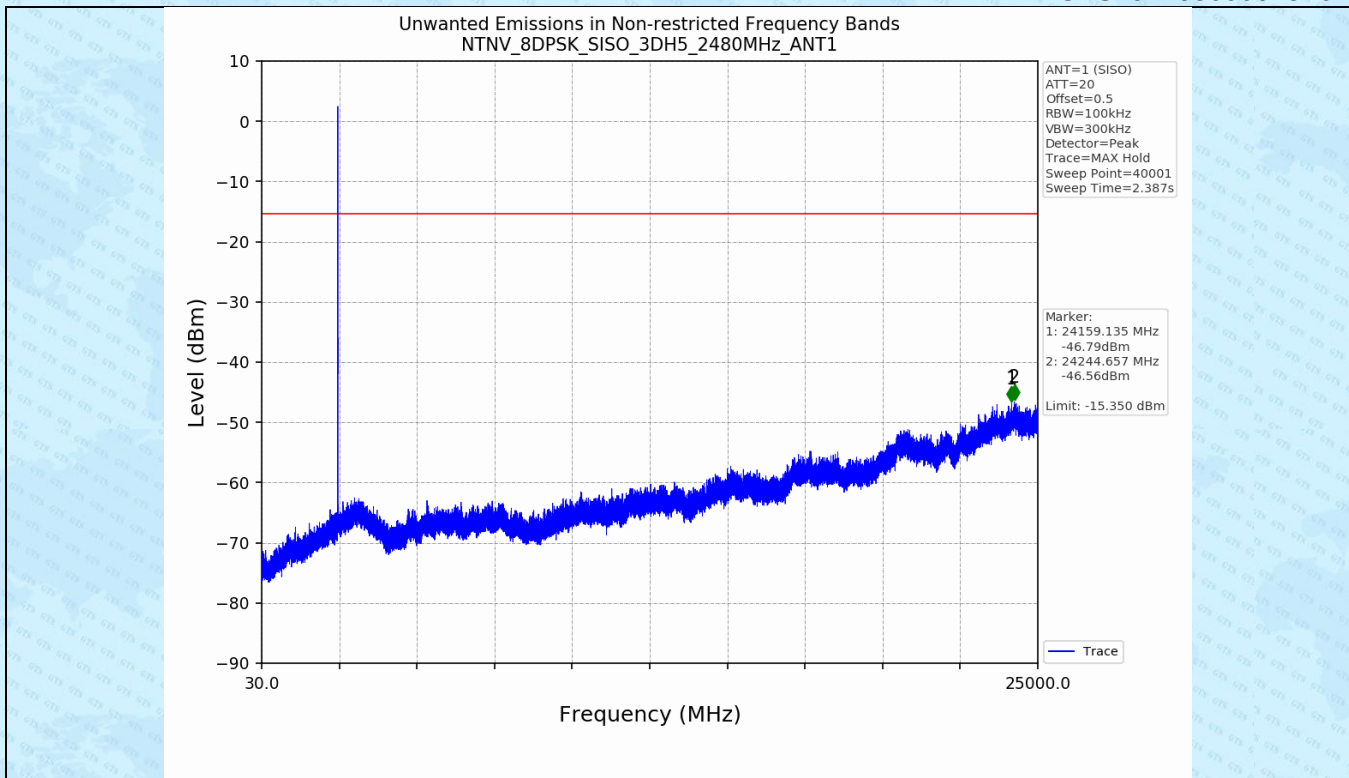


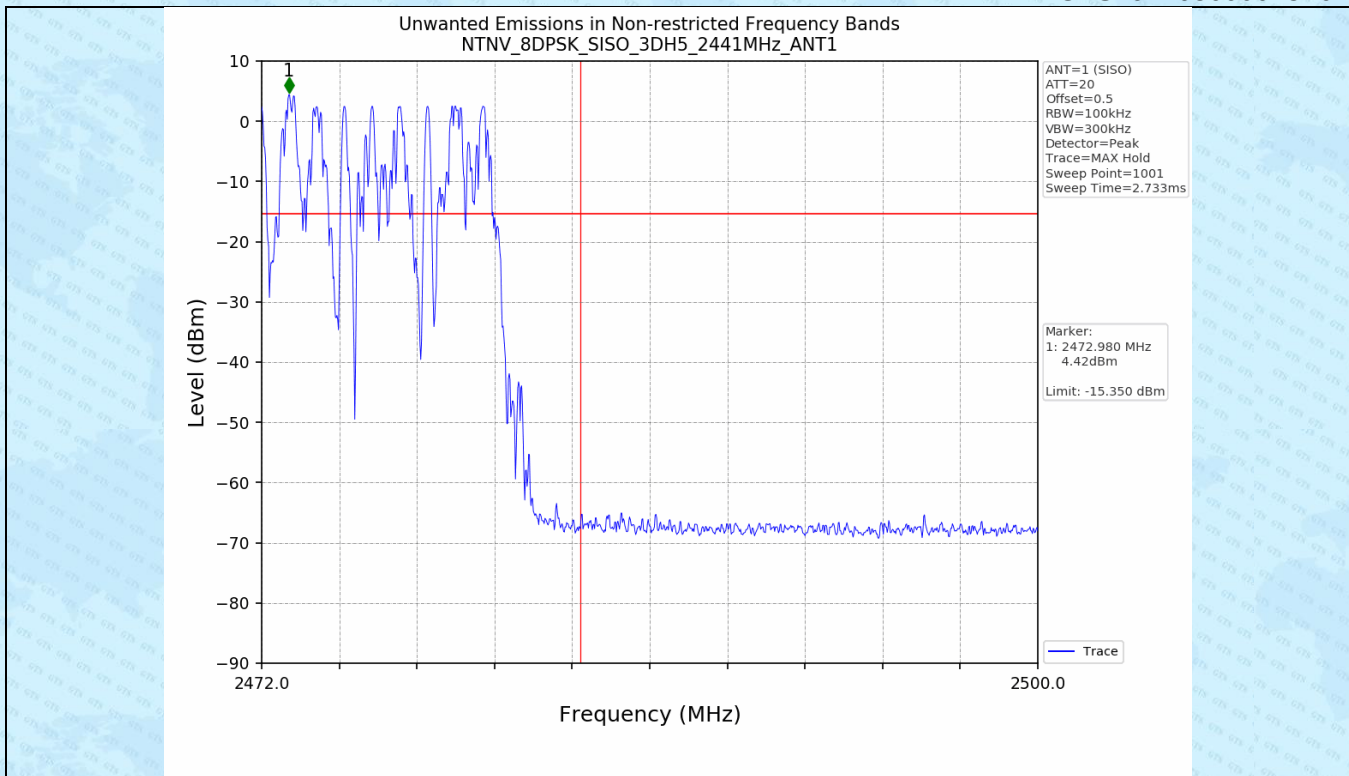












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