



Appendix for 15.247

1. Bandwidth

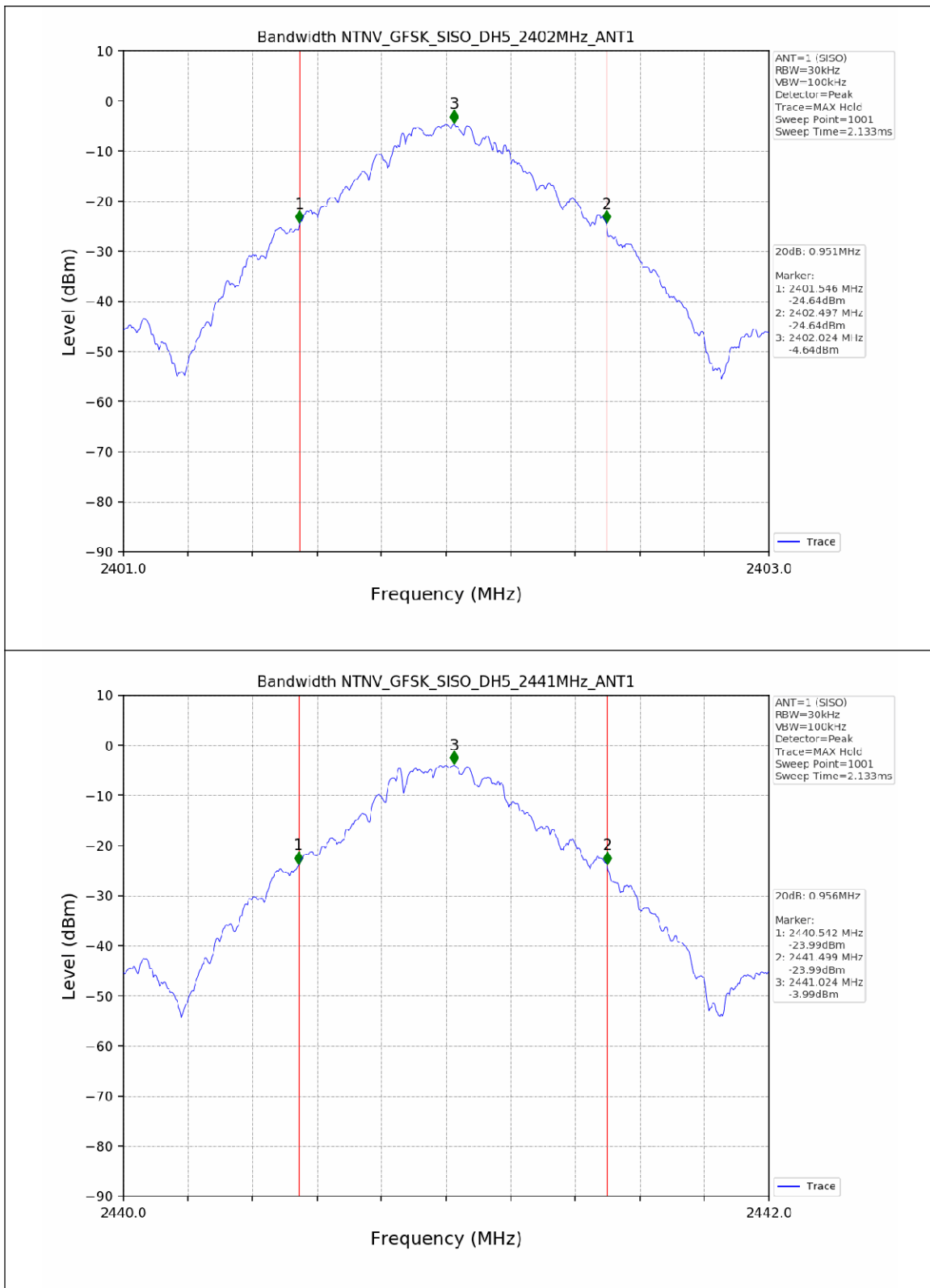
1.1 Test Result

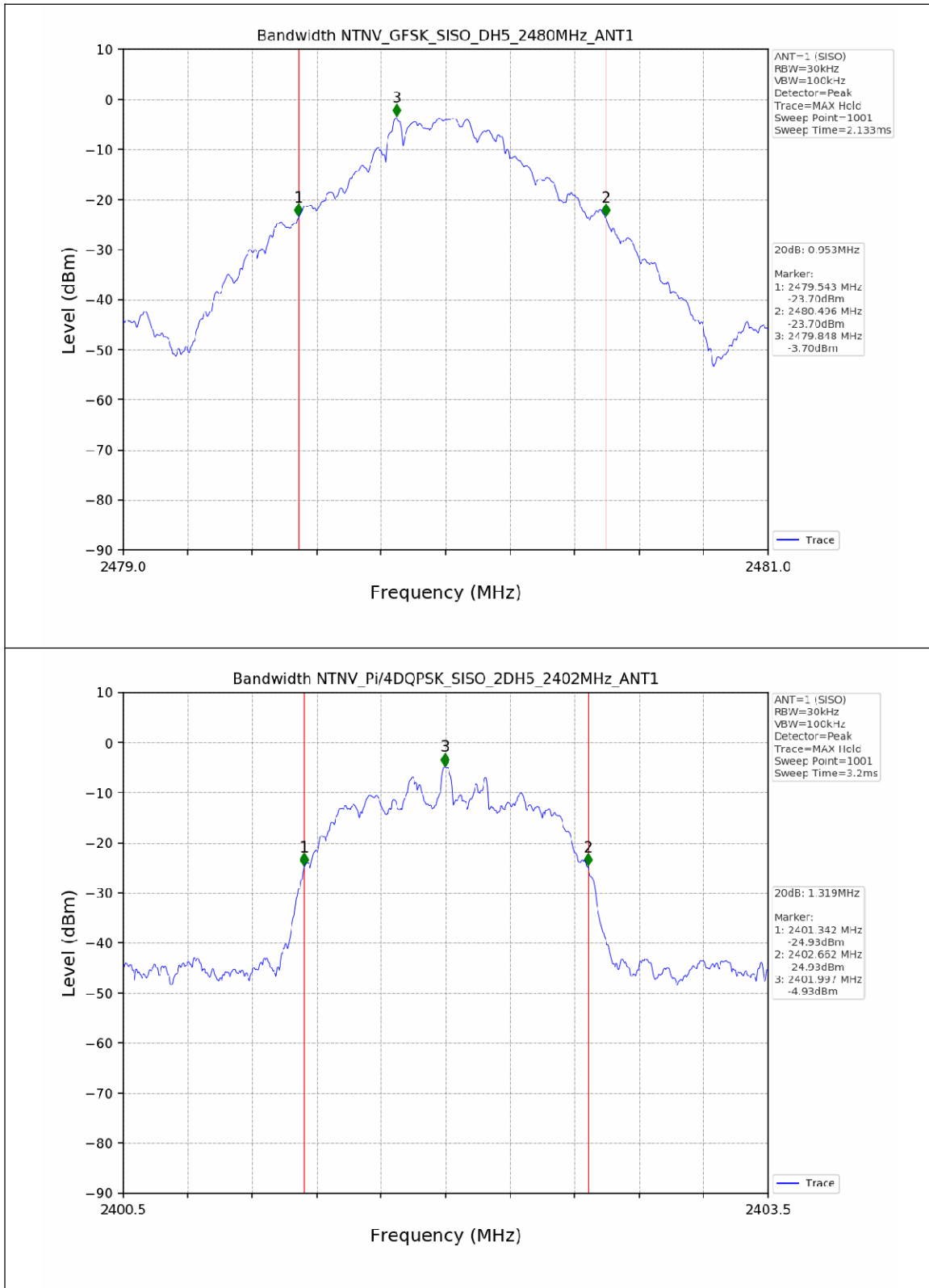
Test Mode	Frequency (MHz)	TX Type	ANT No.	20dB Bandwidth	Verdict
				Test Result (MHz)	
GFSK	2402	SISO	1	0.951	PASS
	2441	SISO	1	0.956	PASS
	2480	SISO	1	0.953	PASS
Pi/4DQPSK	2402	SISO	1	1.319	PASS
	2441	SISO	1	1.302	PASS
	2480	SISO	1	1.303	PASS
8DPSK	2402	SISO	1	1.322	PASS
	2441	SISO	1	1.328	PASS
	2480	SISO	1	1.310	PASS

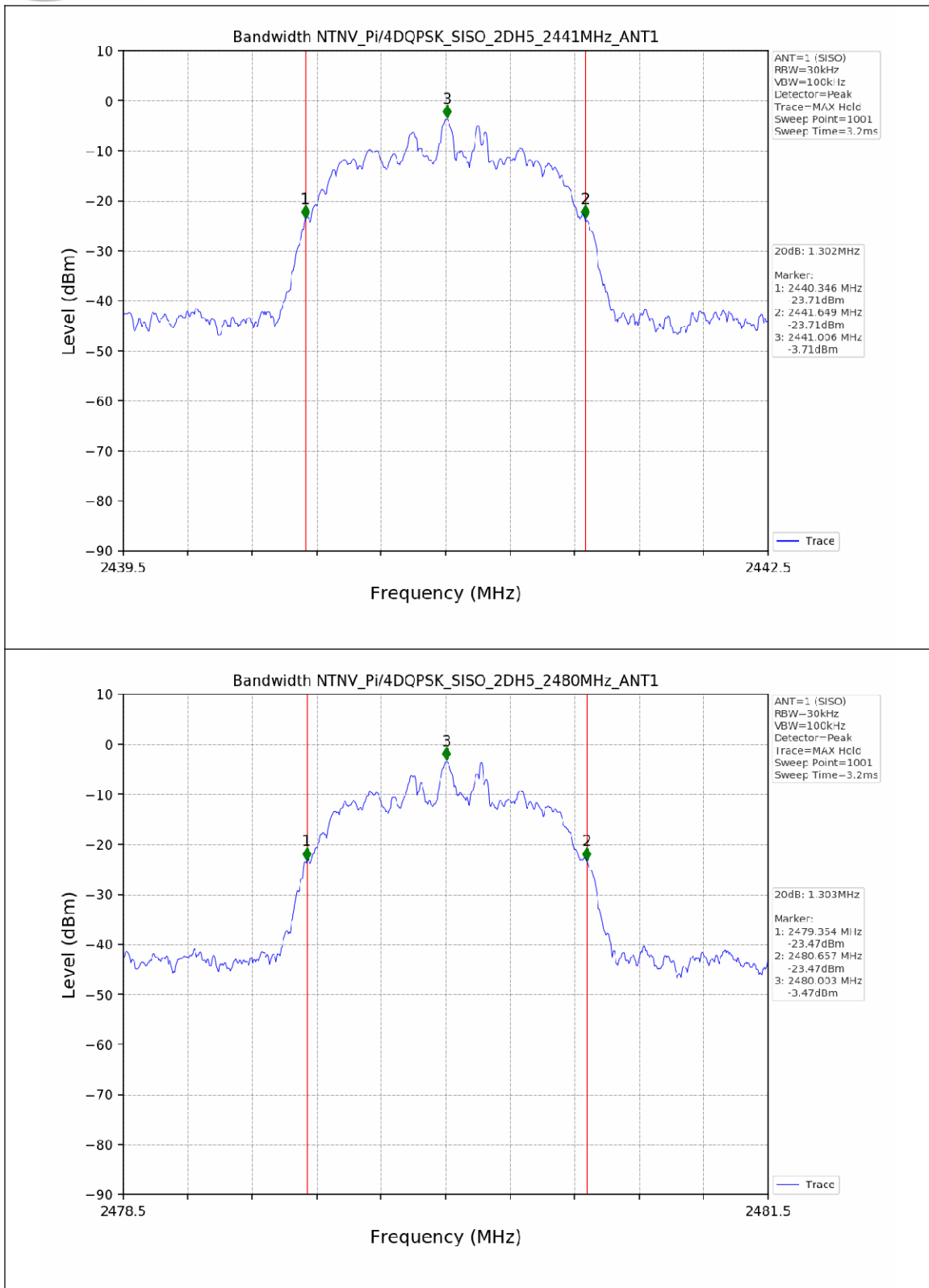
Test Mode	Frequency (MHz)	TX Type	ANT No.	99% Occupied Bandwidth	
				Test Result (MHz)	
GFSK	2402	SISO	1	0.841	Only for Report Use
	2441	SISO	1	0.853	Only for Report Use
	2480	SISO	1	0.842	Only for Report Use
Pi/4DQPSK	2402	SISO	1	1.188	Only for Report Use
	2441	SISO	1	1.178	Only for Report Use
	2480	SISO	1	1.185	Only for Report Use
8DPSK	2402	SISO	1	1.190	Only for Report Use
	2441	SISO	1	1.185	Only for Report Use
	2480	SISO	1	1.184	Only for Report Use

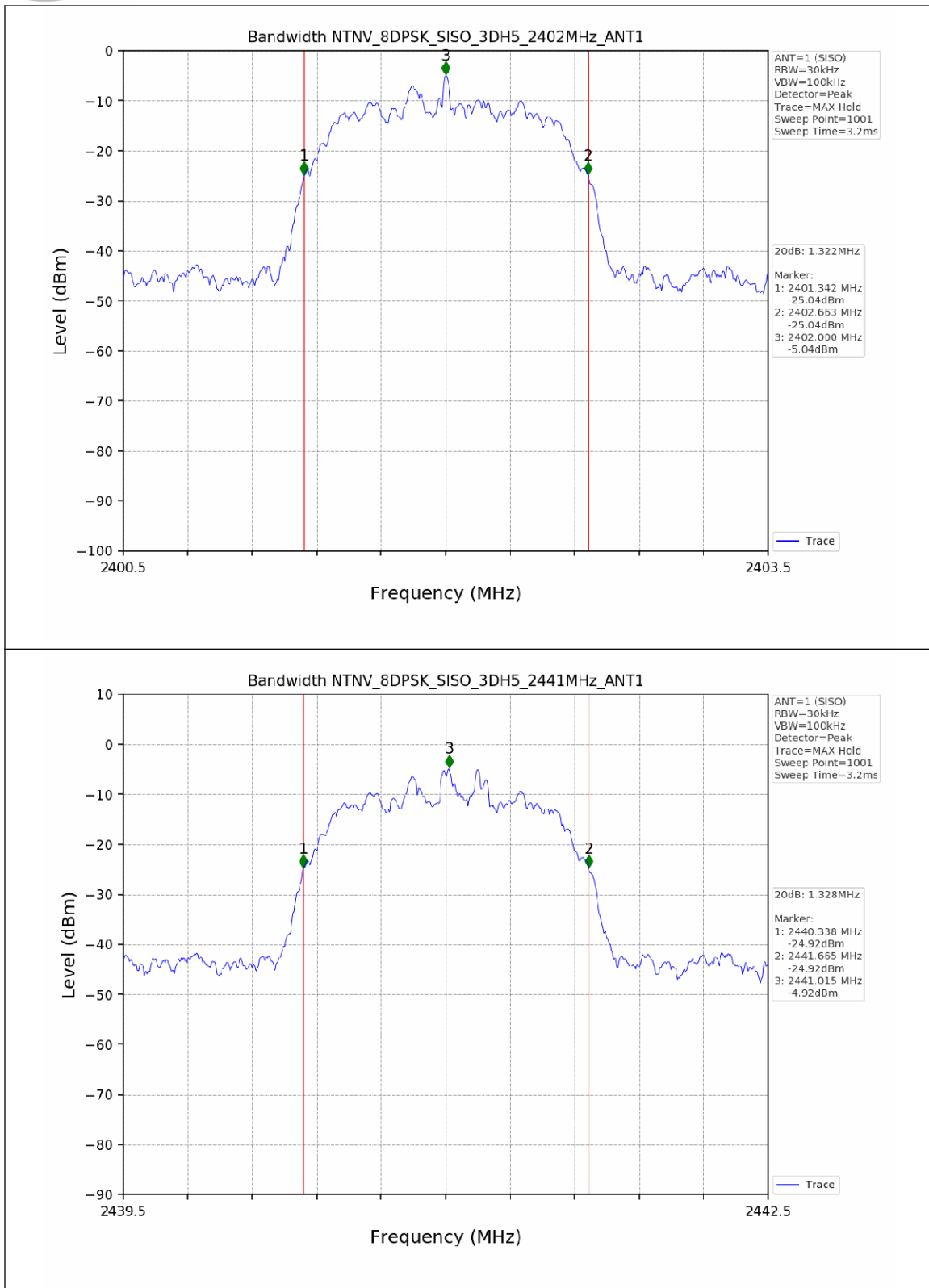


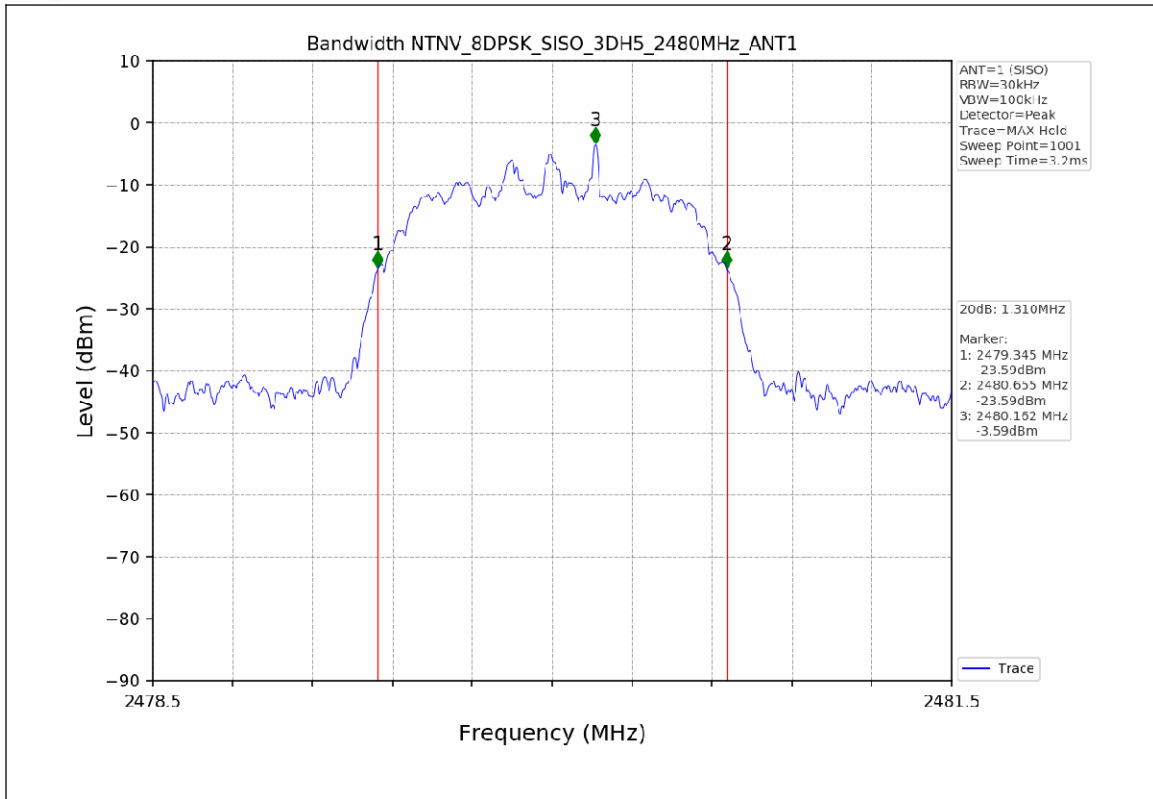
1.2 Test Graph - 20dB Bandwidth





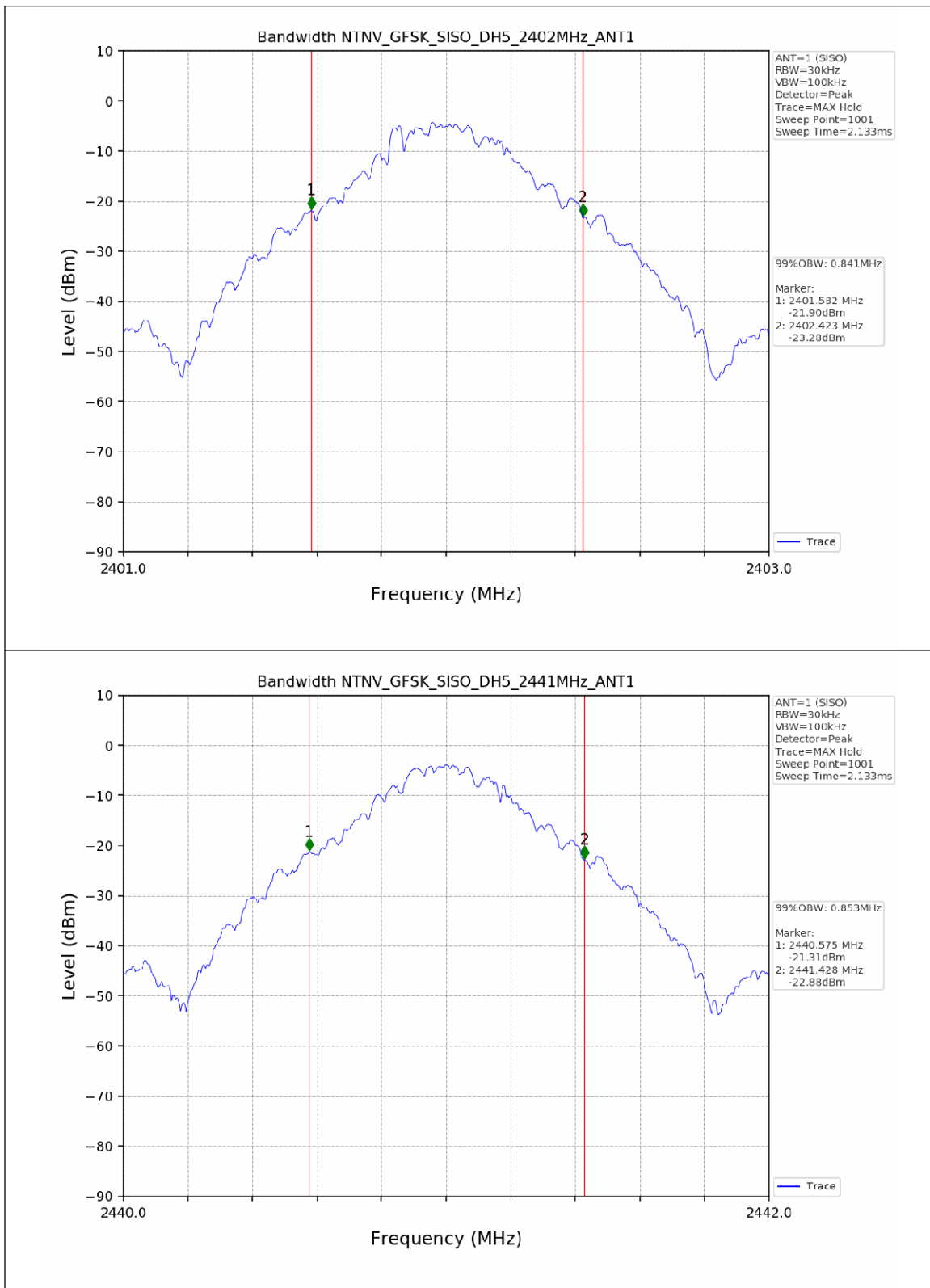


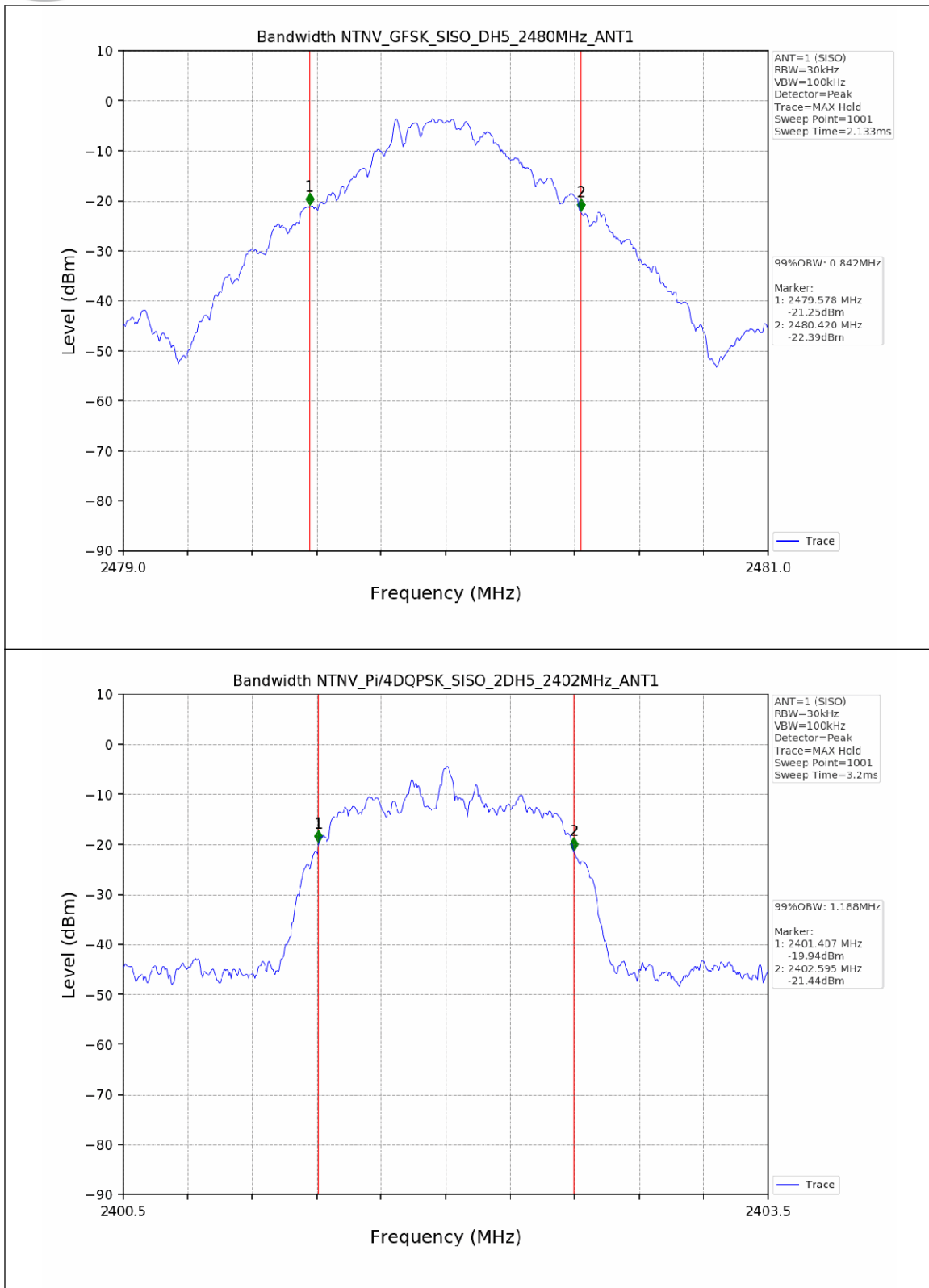


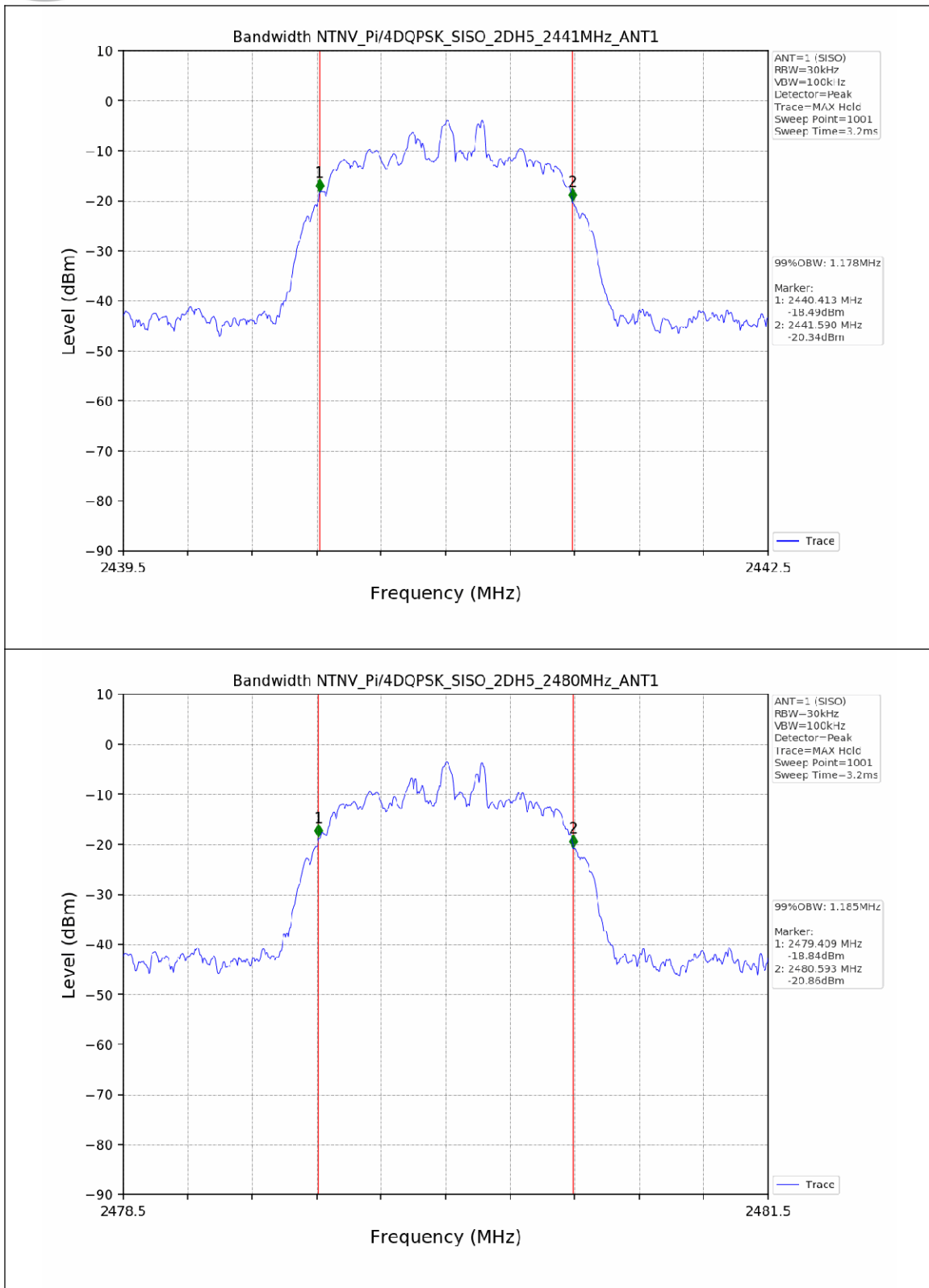


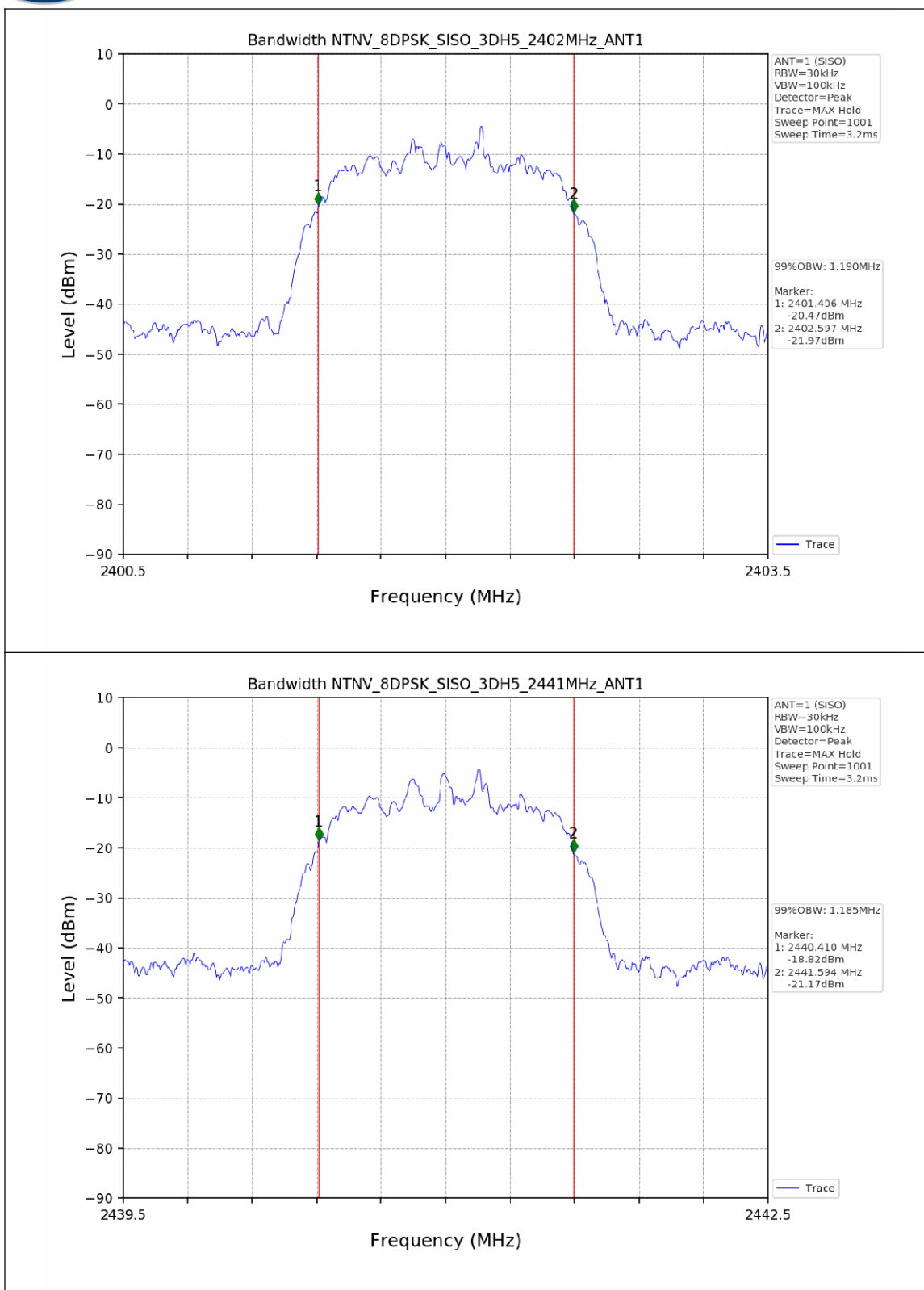


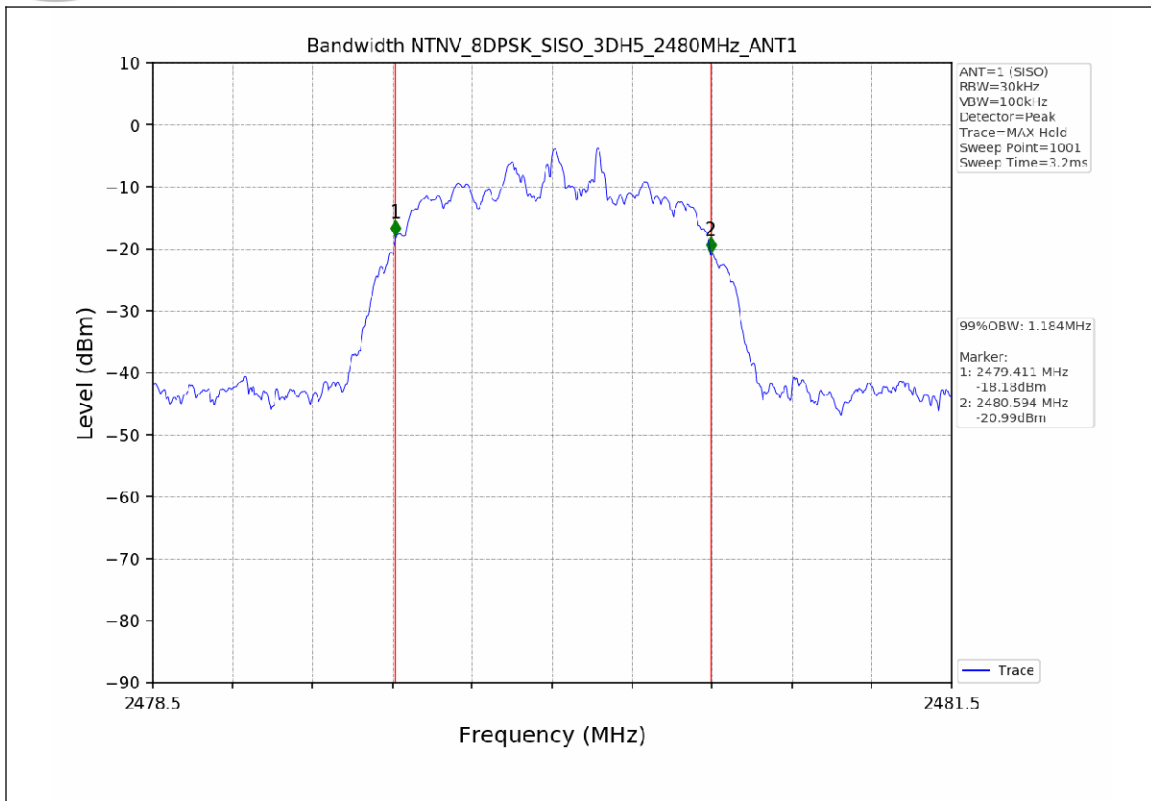
1.3 Test Graph - 99% Occupied Bandwidth











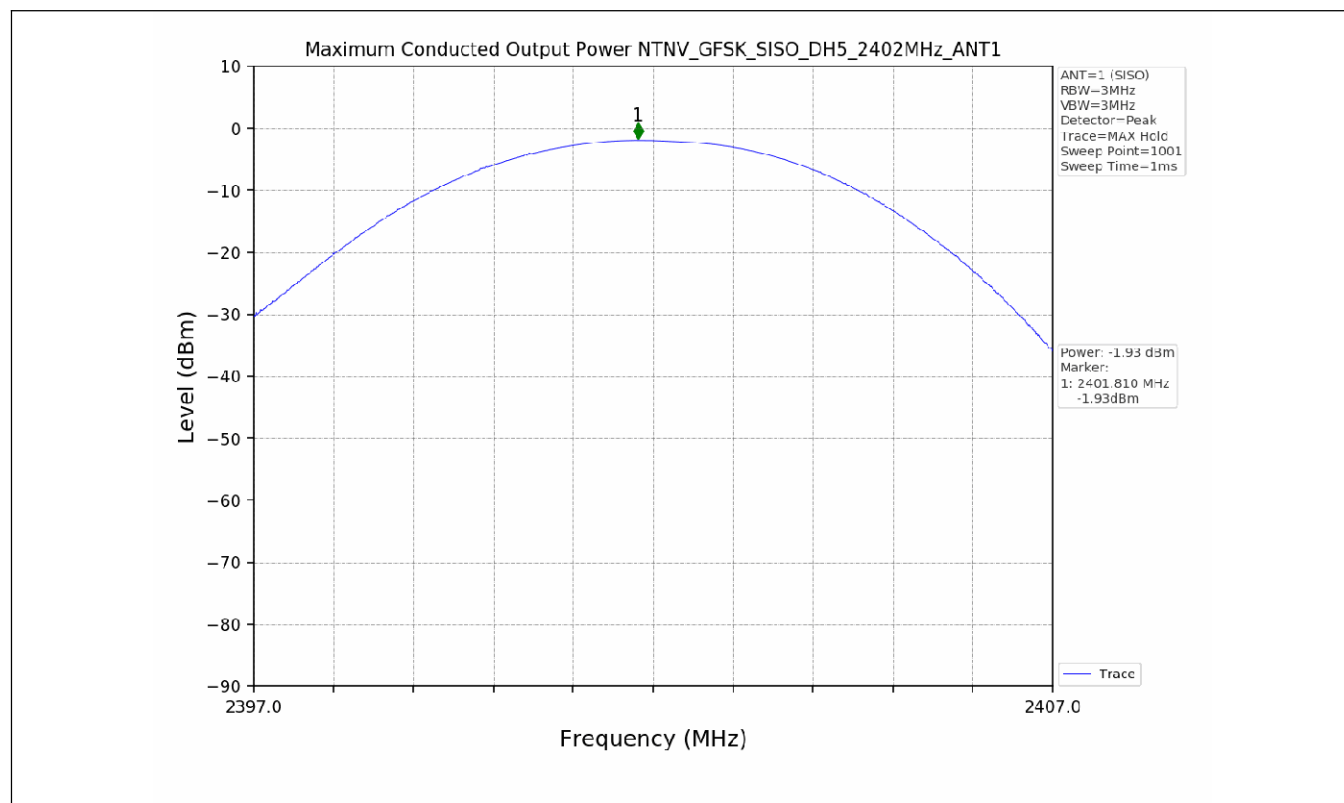


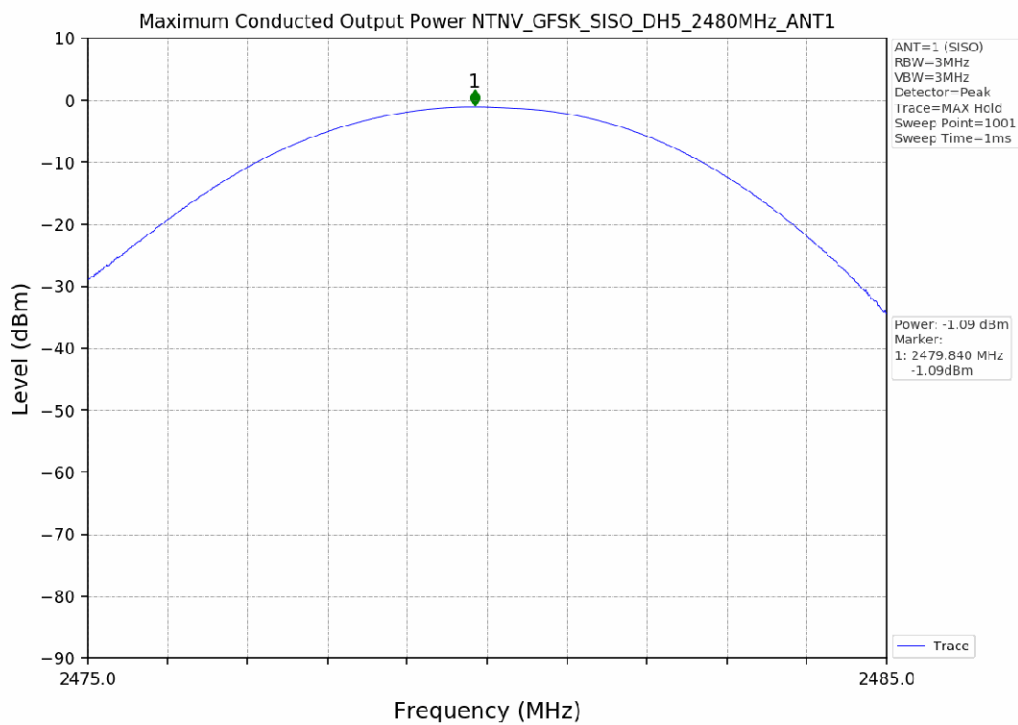
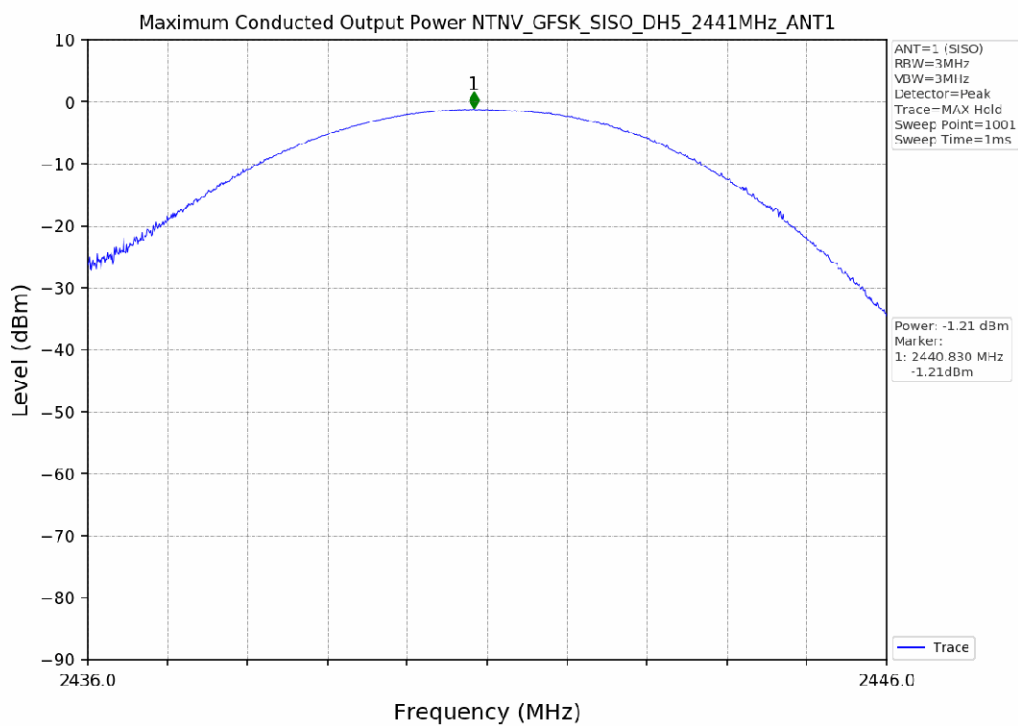
2. Maximum Conducted Output Power

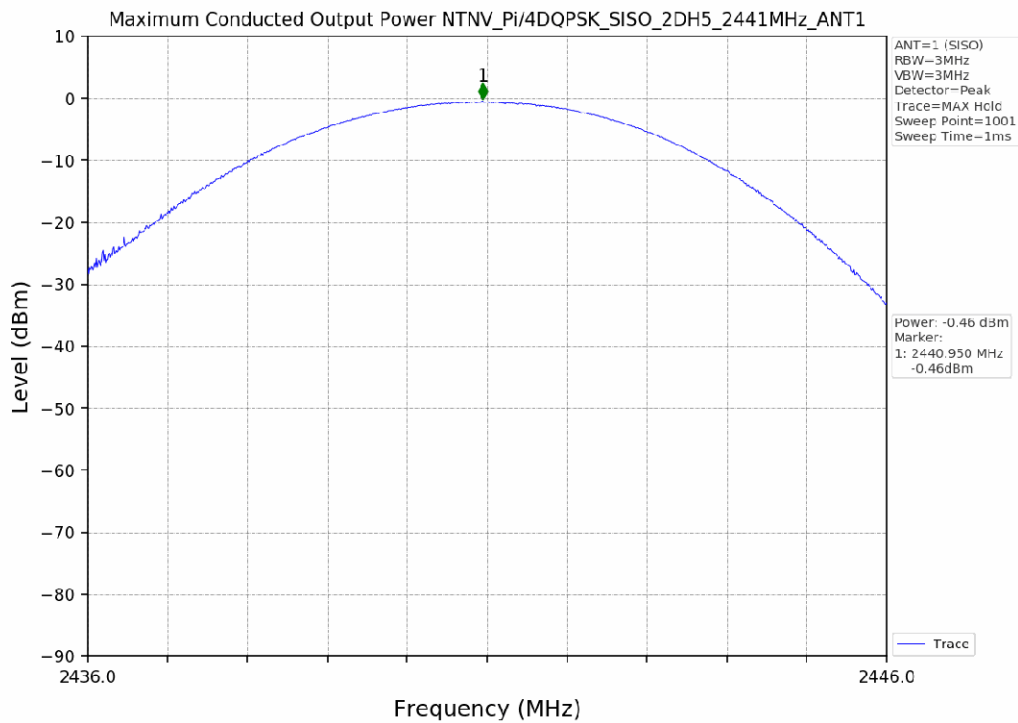
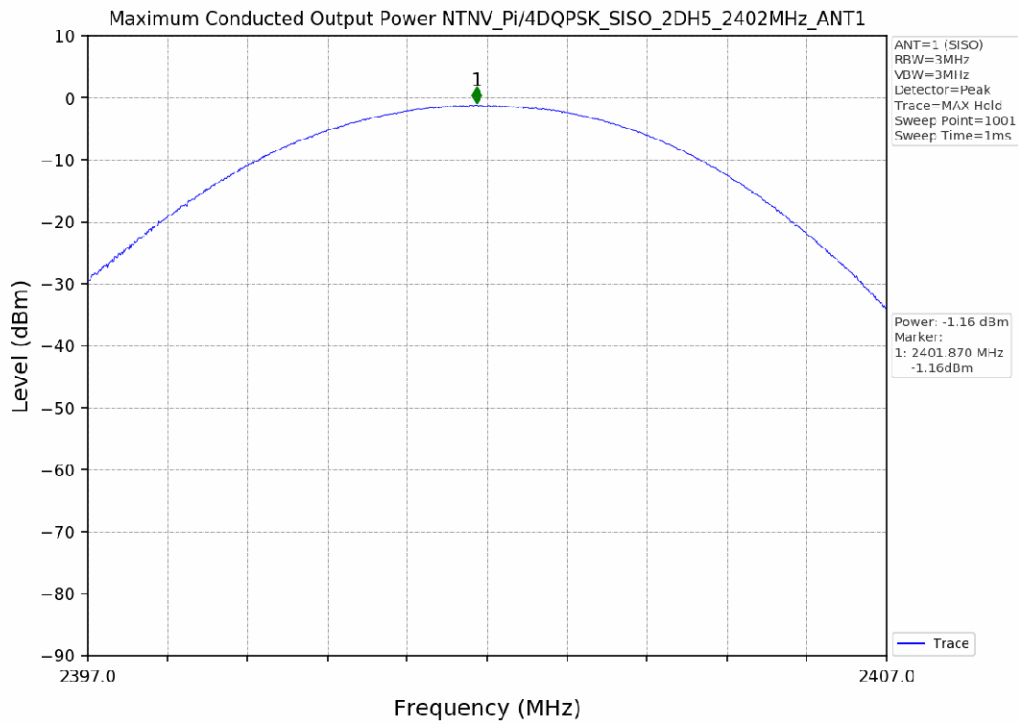
2.1 Test Result

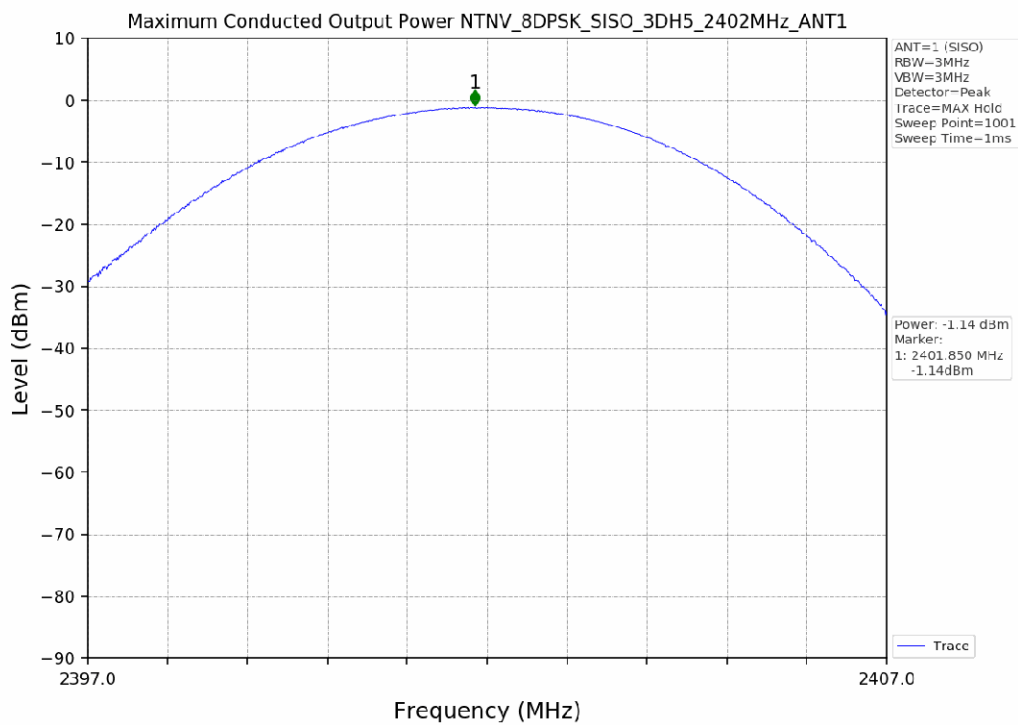
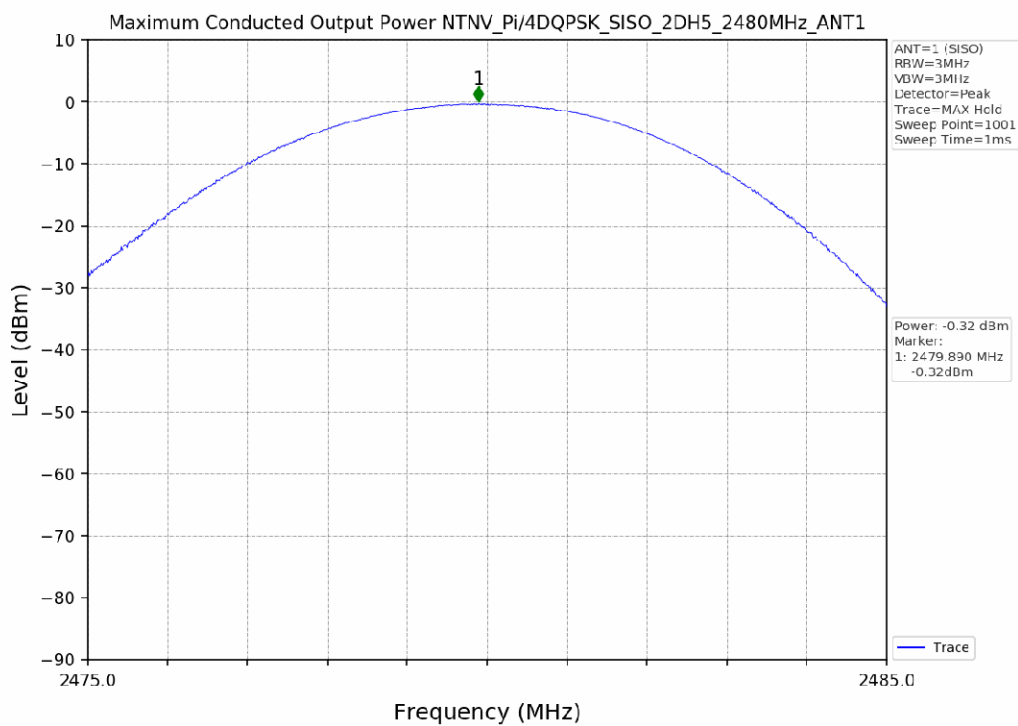
Test Mode	Frequency (MHz)	Tx Type	Measured Peak Output Power (dBm)	Limits (dBm)	Verdict
			Ant 1		
GFSK	2402	SISO	-1.93	30	PASS
	2441	SISO	-1.21	30	PASS
	2480	SISO	-1.09	30	PASS
Pi/4DQPSK	2402	SISO	-1.16	20.97	PASS
	2441	SISO	-0.46	20.97	PASS
	2480	SISO	-0.32	20.97	PASS
8DPSK	2402	SISO	-1.14	20.97	PASS
	2441	SISO	-0.48	20.97	PASS
	2480	SISO	-0.29	20.97	PASS

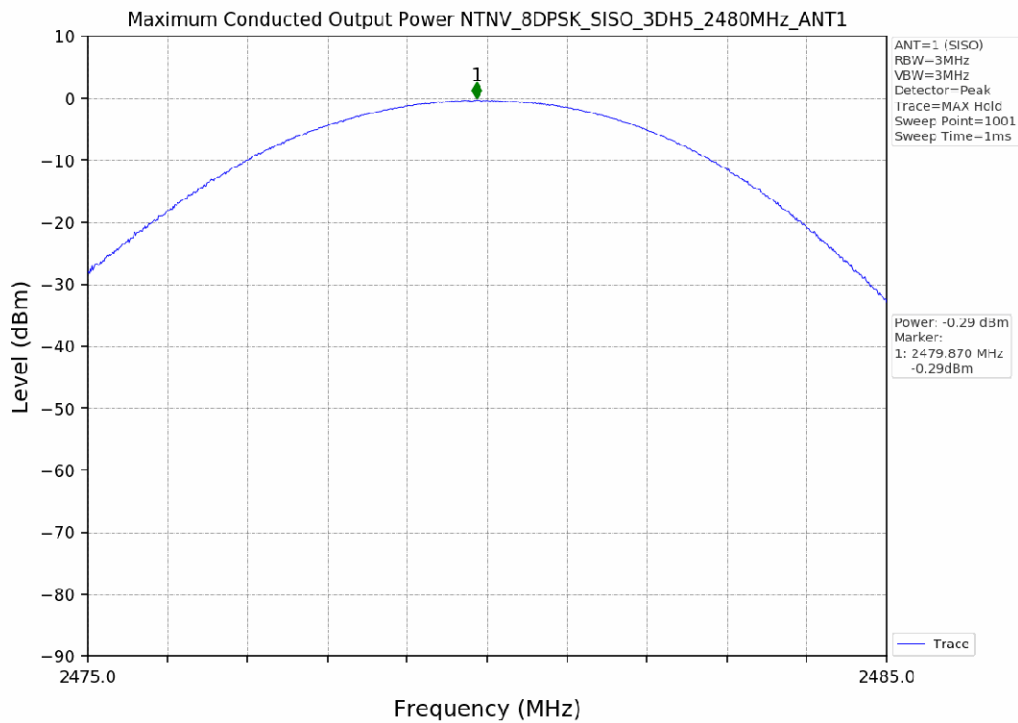
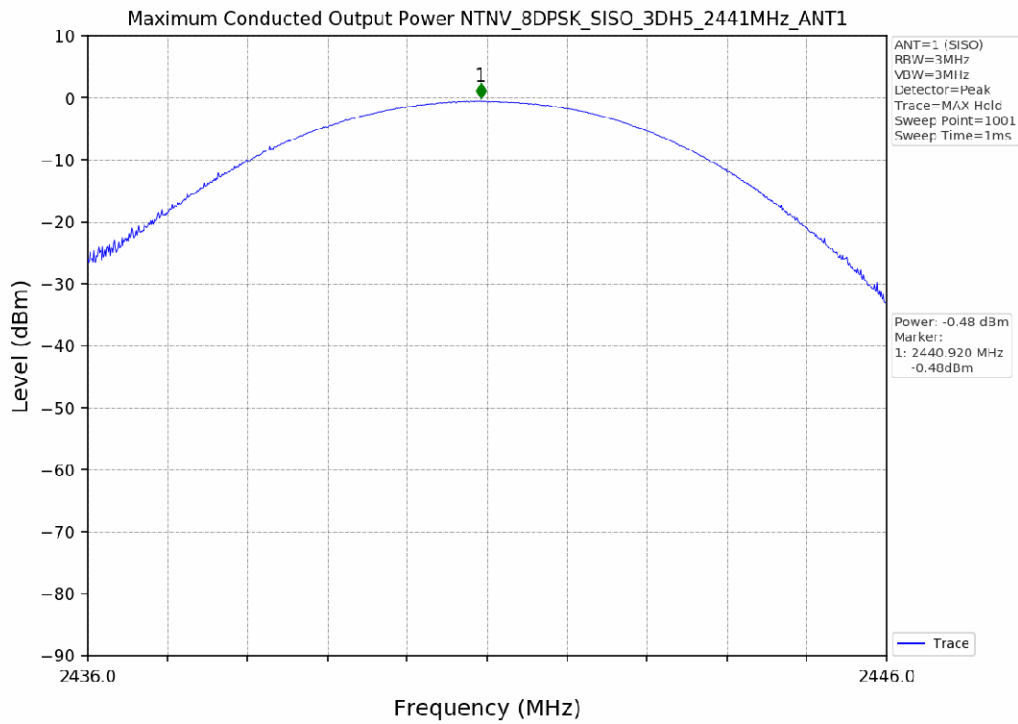
2.2 Test Graph











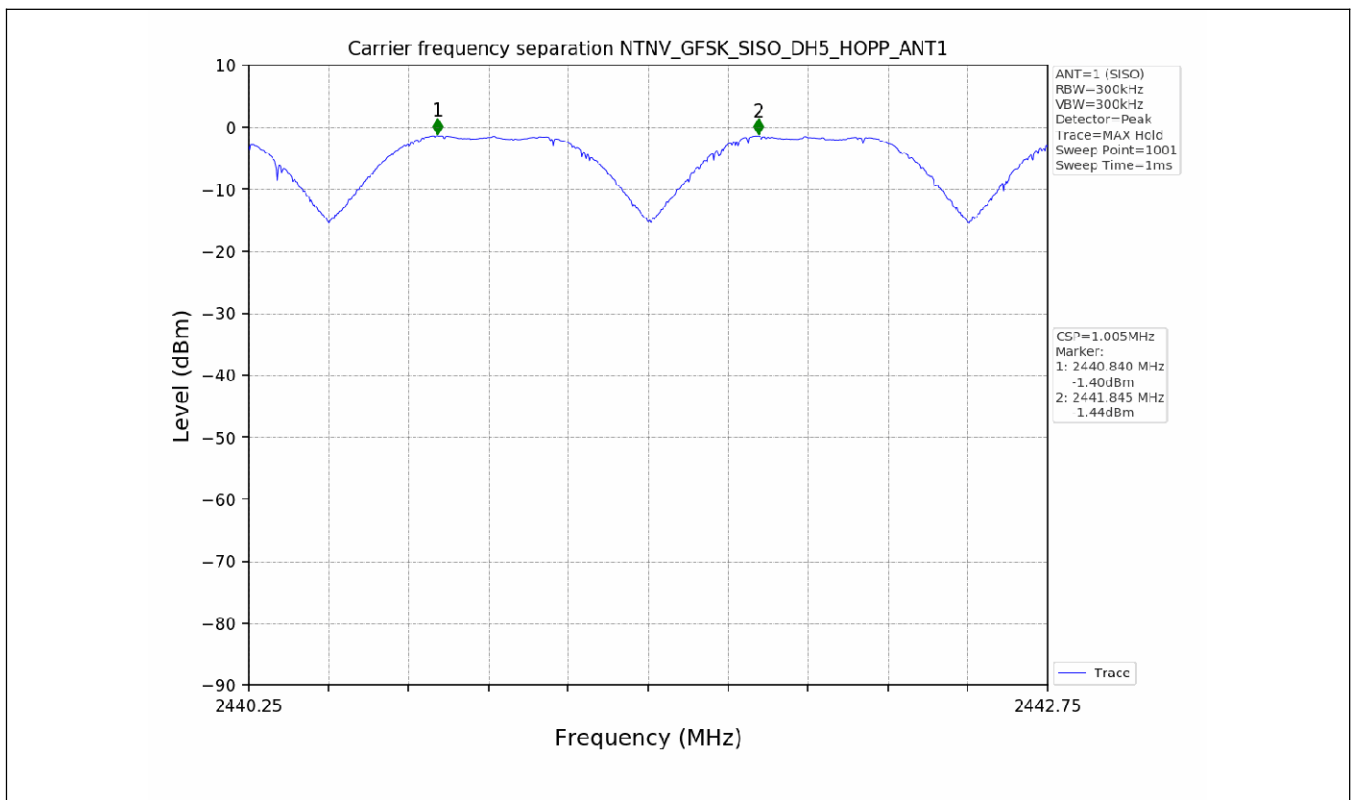


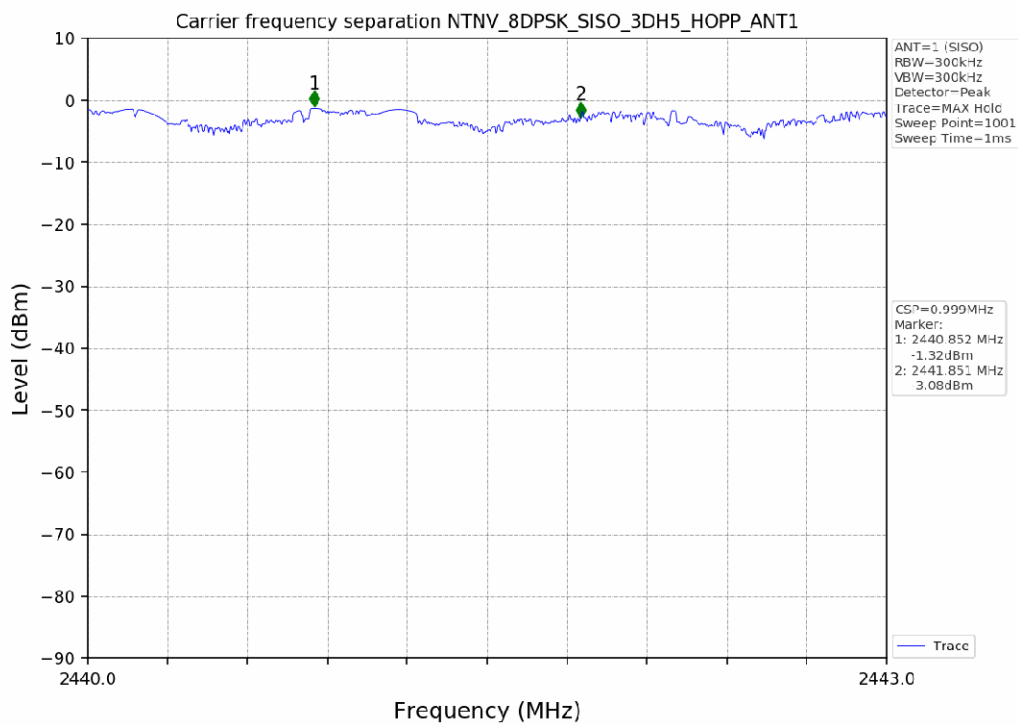
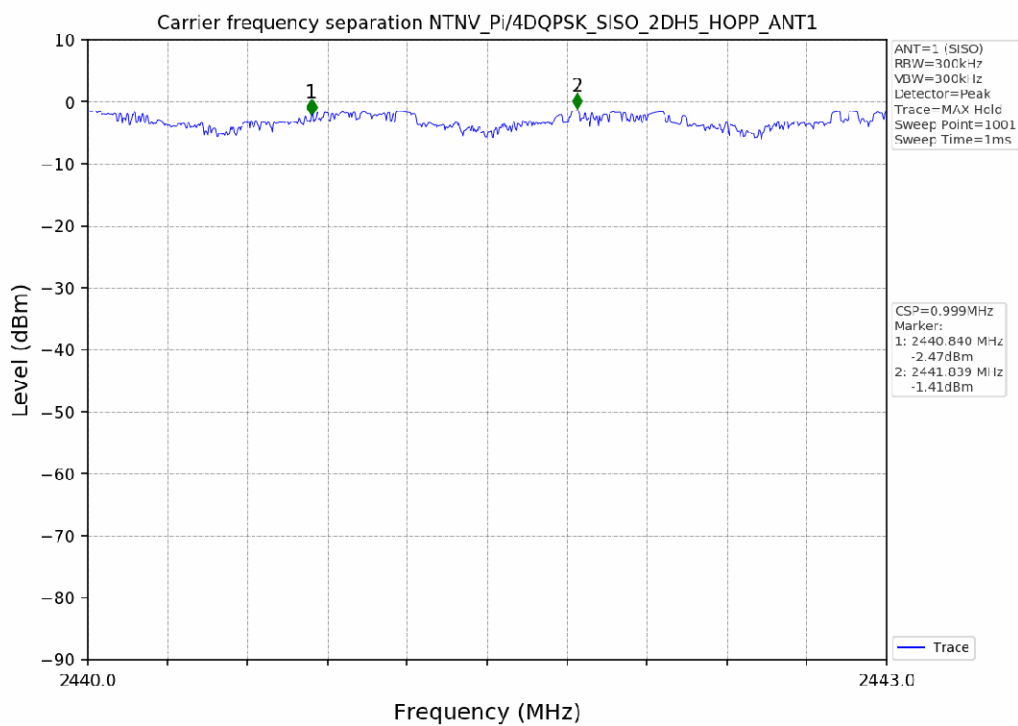
3. Carrier frequency separation

3.1 Test Result

Test Mode	TX Type	ANT No.	Channel Separation (MHz)	20dB Bandwidth (MHz)	Limits (MHz)	Verdict
GFSK	SISO	1	1.005	0.956	≥ 0.956	PASS
Pi/4DQPSK	SISO	1	0.999	1.319	≥ 0.879	PASS
8DPSK	SISO	1	0.999	1.328	≥ 0.885	PASS

3.2 Test Graph





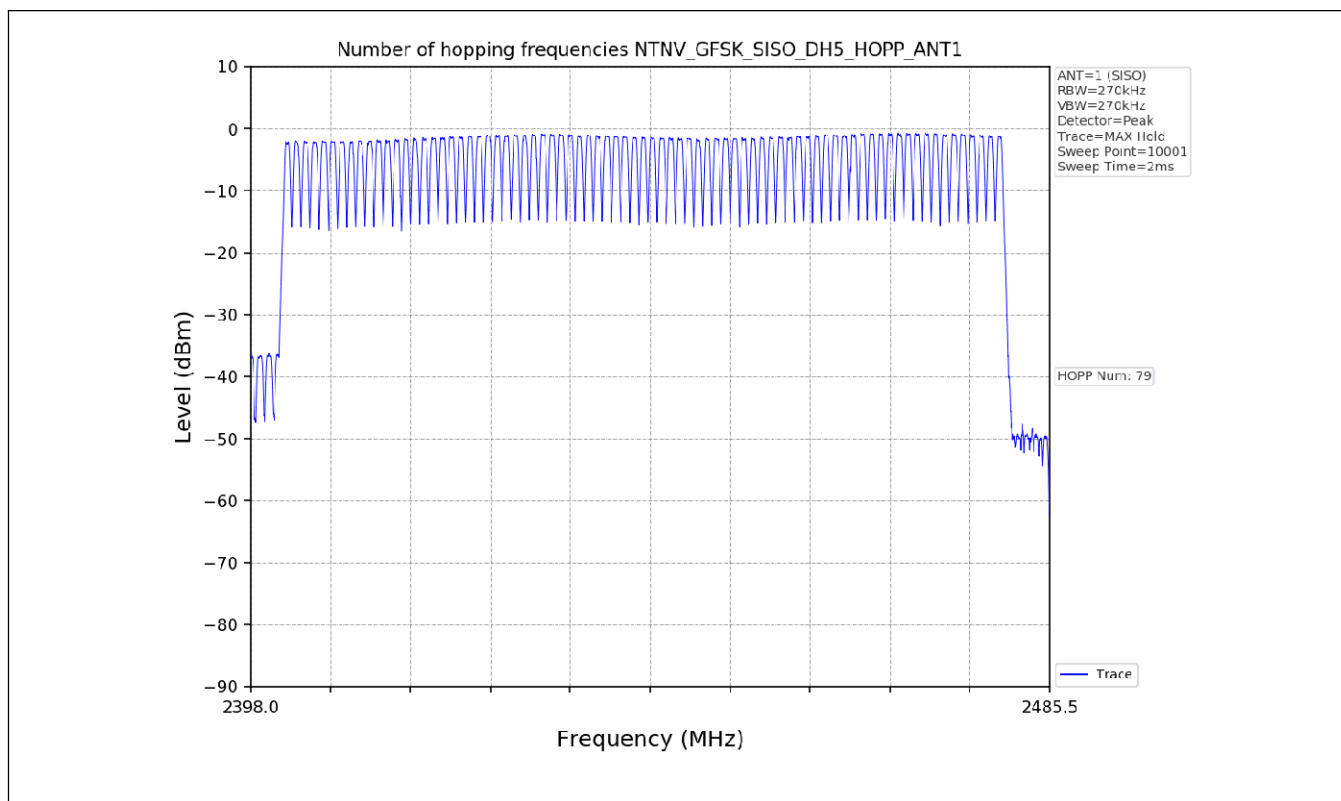


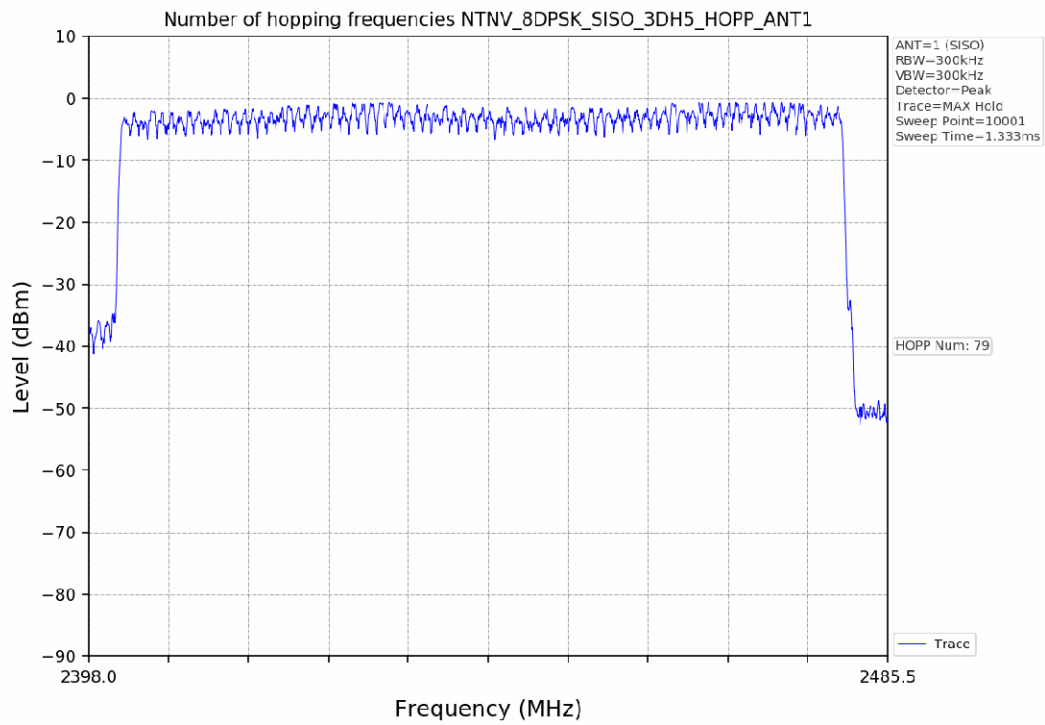
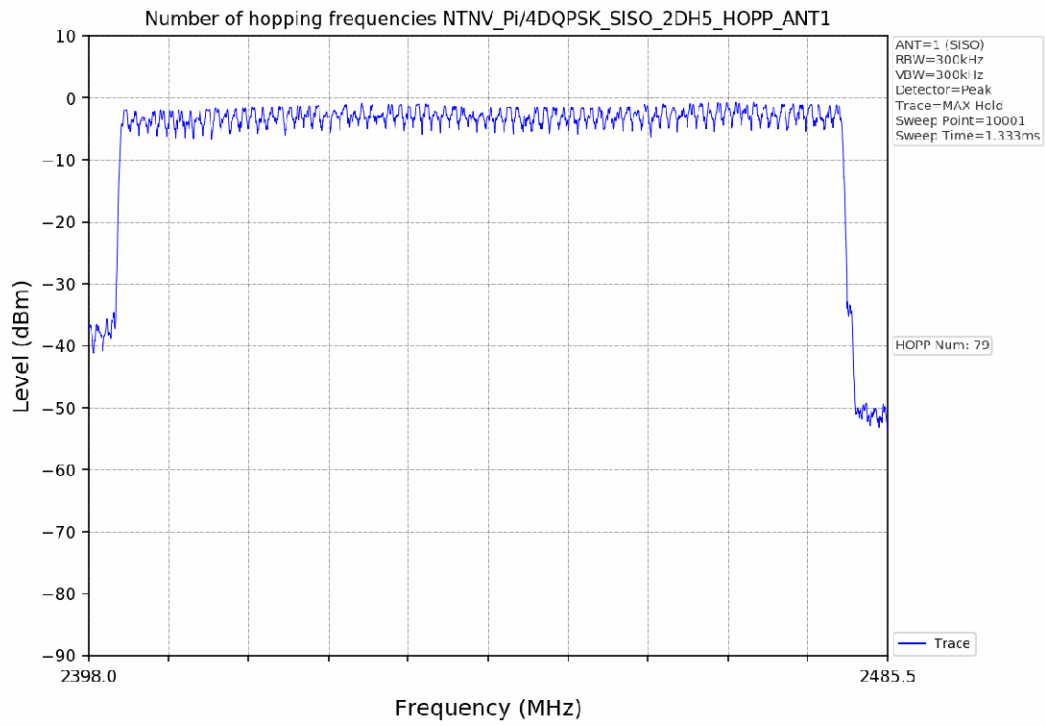
4. Number of hopping frequencies

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





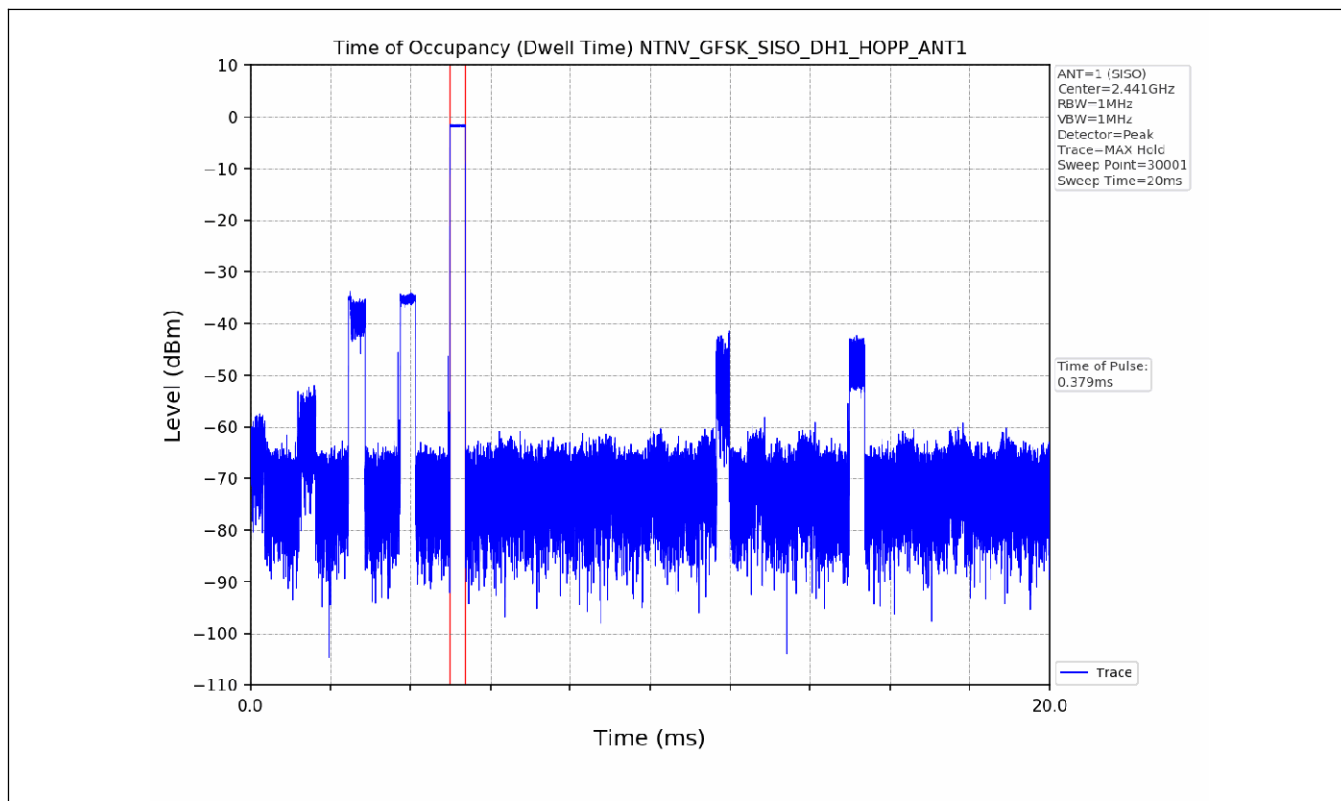


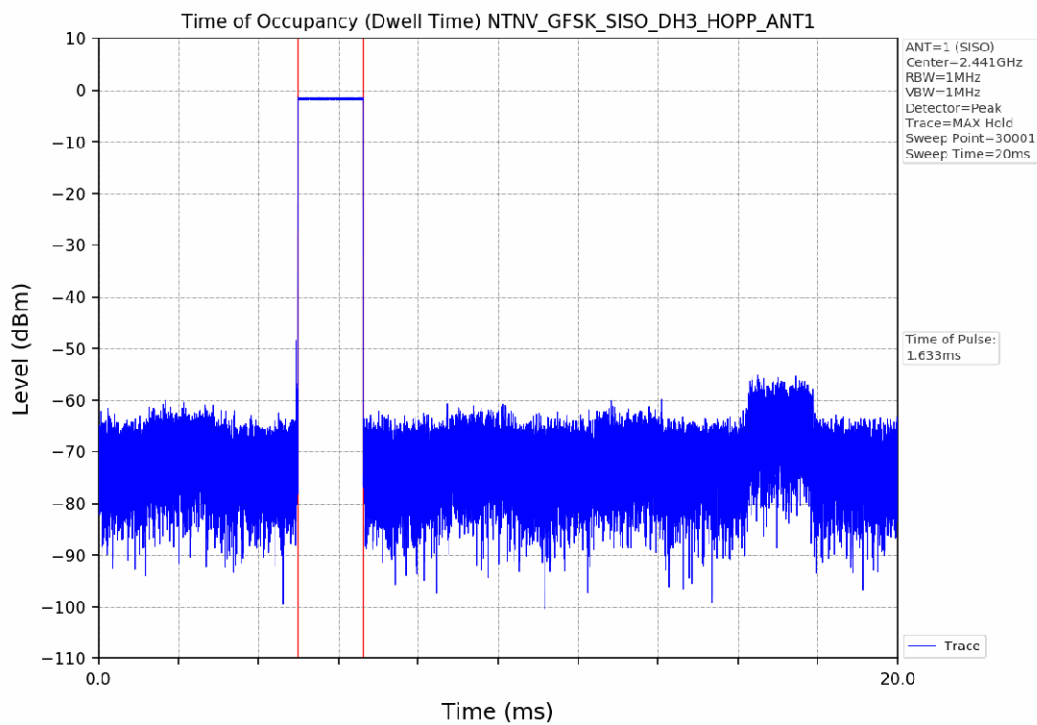
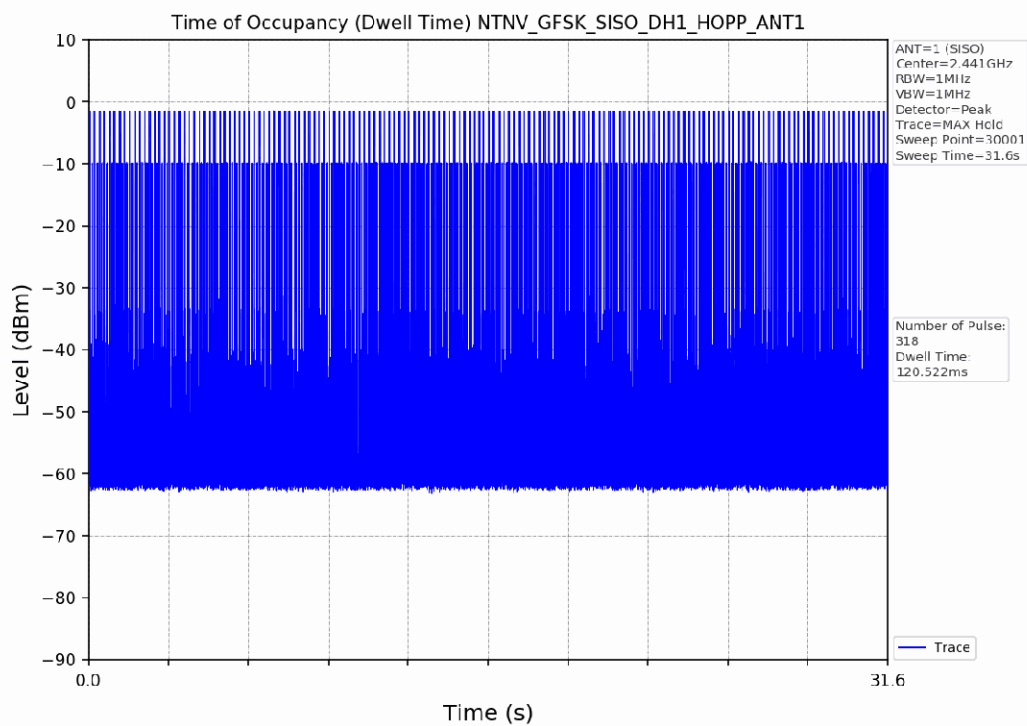
5. Time of Occupancy (Dwell Time)

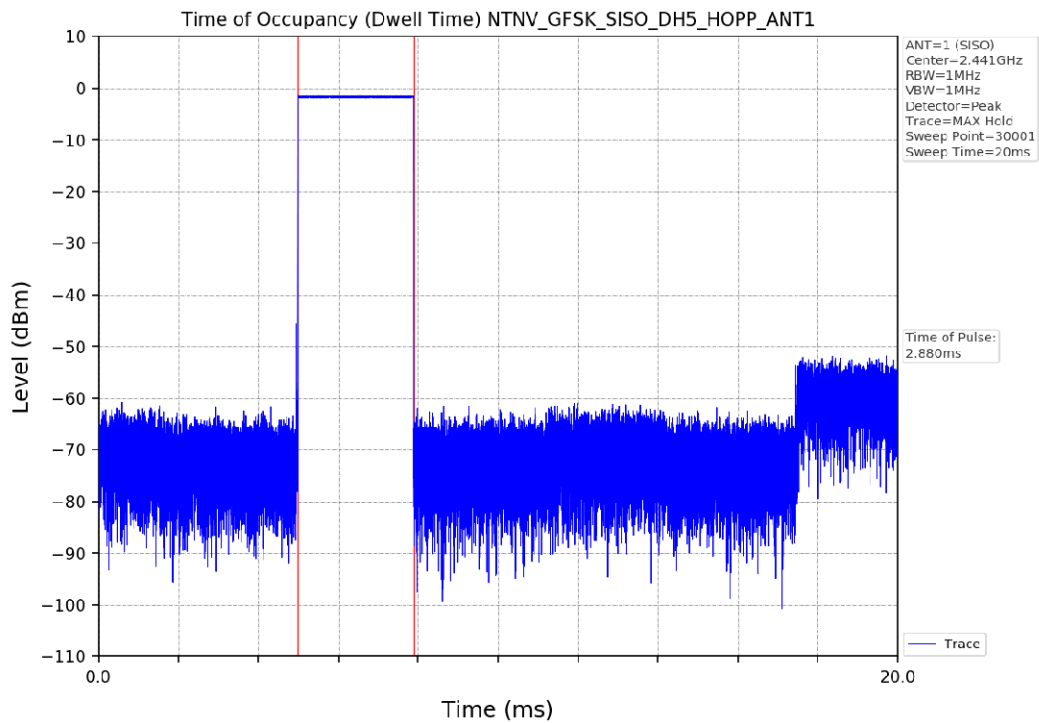
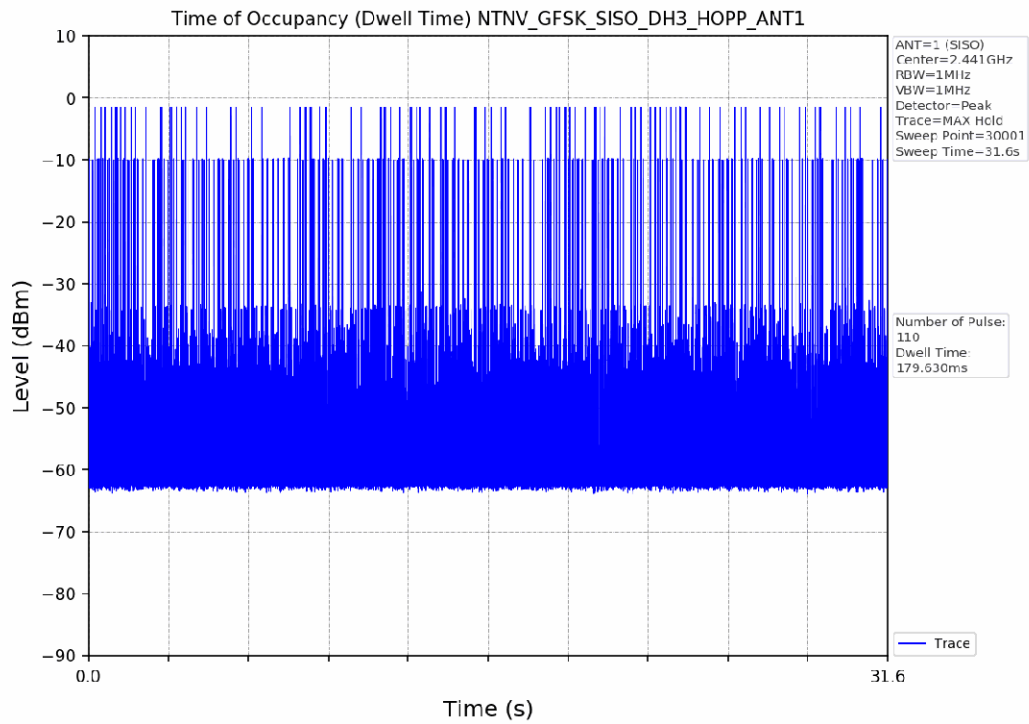
5.1 Test Result

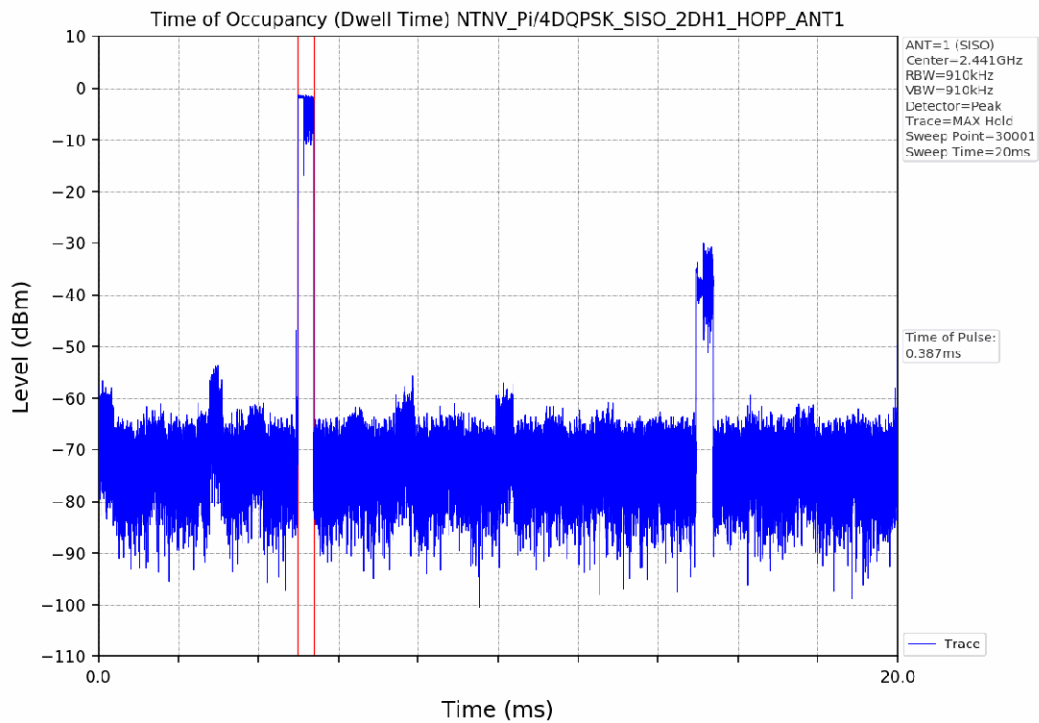
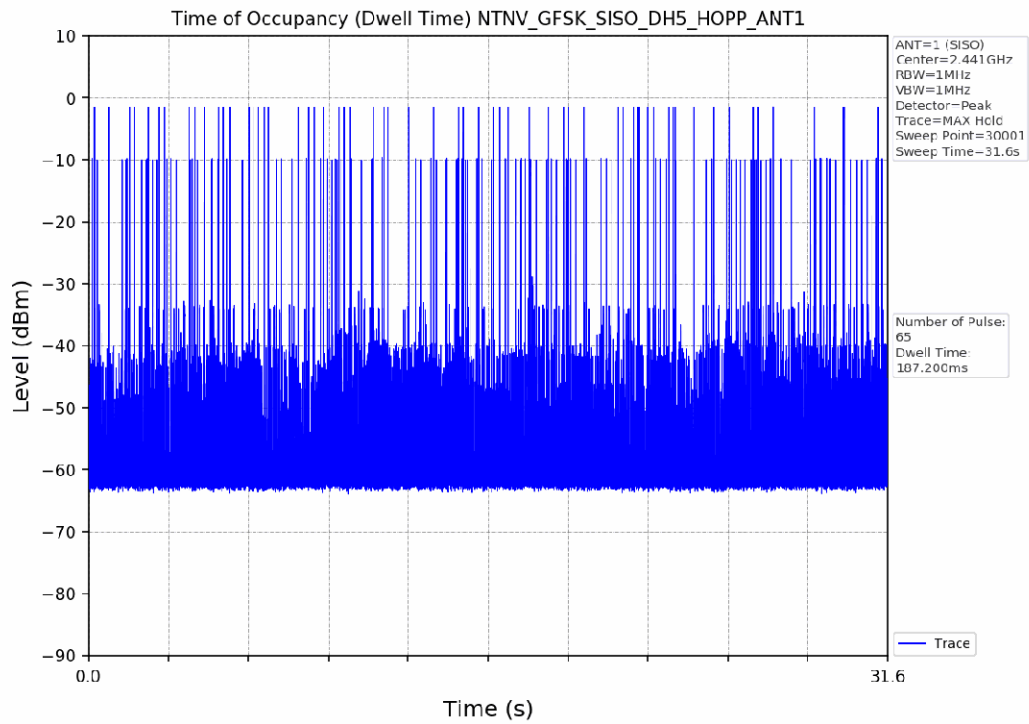
Test Mode	Packet Type	TX Type	ANT No.	Duration of Single Pulse (ms)	Observation Period (s)	Num of Pulse in Observation Period	Dwell Time (ms)	Limits (ms)	Verdict
GFSK	DH1	SISO	1	0.379	31.6	318	120.522	≤400	PASS
	DH3	SISO	1	1.633	31.6	110	179.630	≤400	PASS
	DH5	SISO	1	2.880	31.6	65	187.200	≤400	PASS
Pi/4DQPSK	2DH1	SISO	1	0.387	31.6	315	121.905	≤400	PASS
	2DH3	SISO	1	1.641	31.6	114	187.074	≤400	PASS
	2DH5	SISO	1	2.887	31.6	64	184.768	≤400	PASS
8DPSK	3DH1	SISO	1	0.388	31.6	317	122.996	≤400	PASS
	3DH3	SISO	1	1.592	31.6	111	176.712	≤400	PASS
	3DH5	SISO	1	2.887	31.6	69	199.203	≤400	PASS

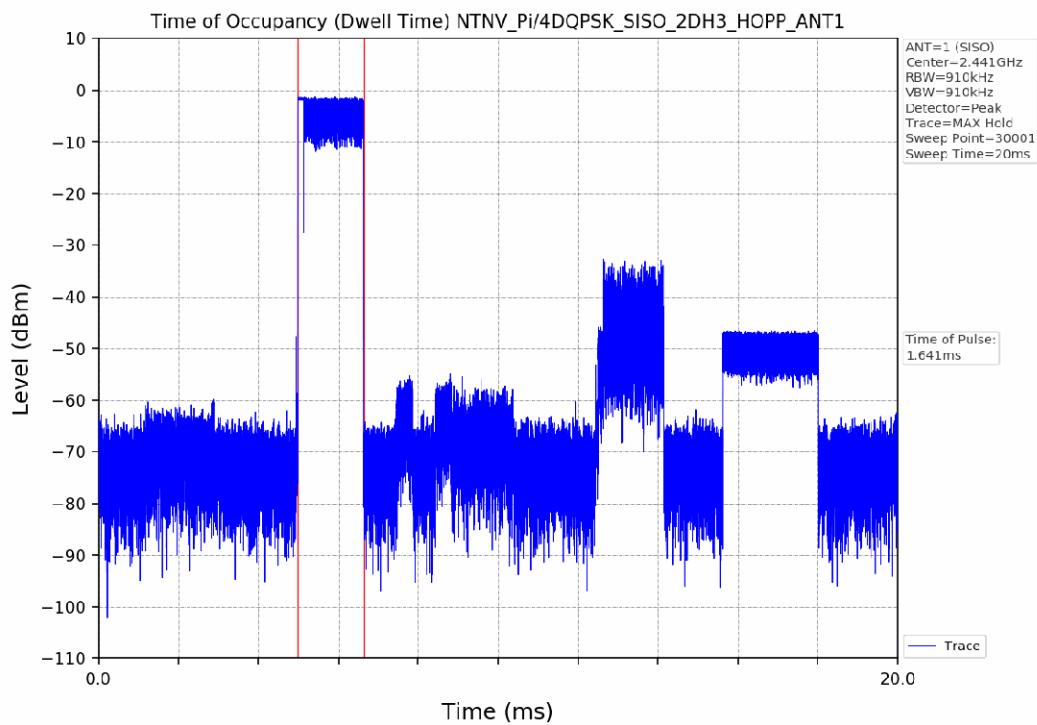
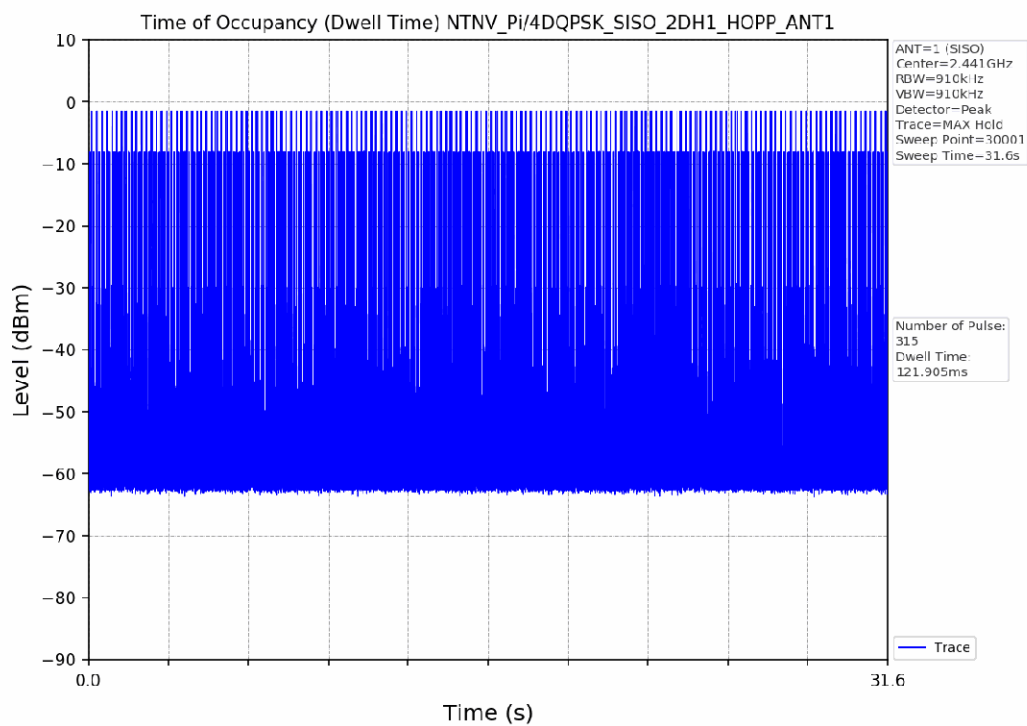
5.2 Test Graph

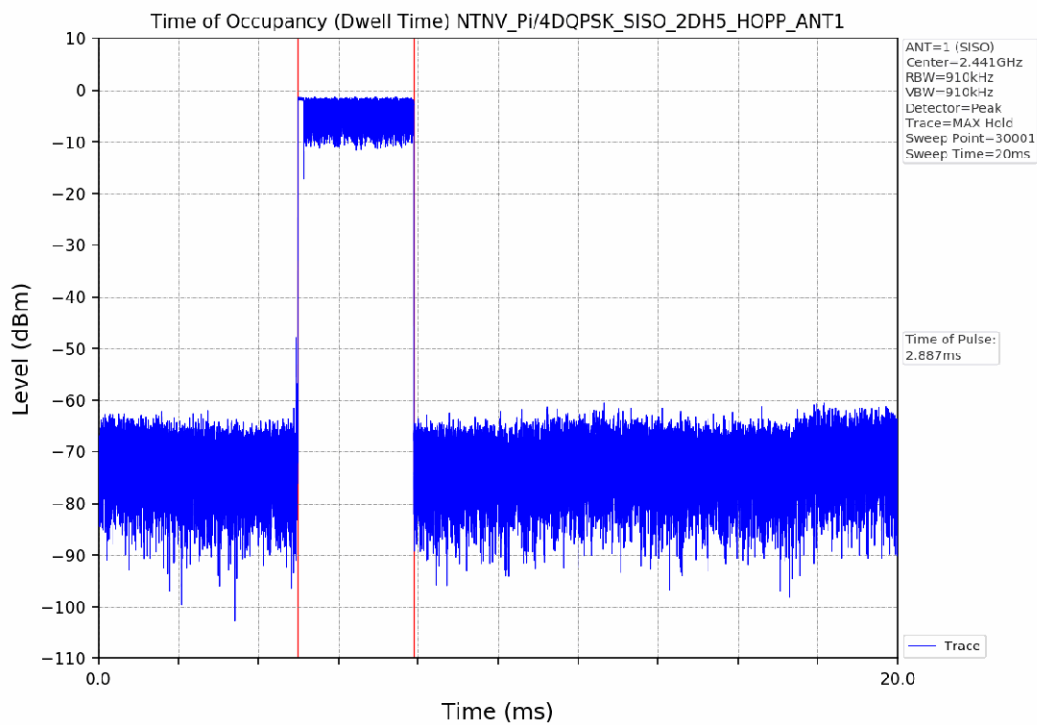
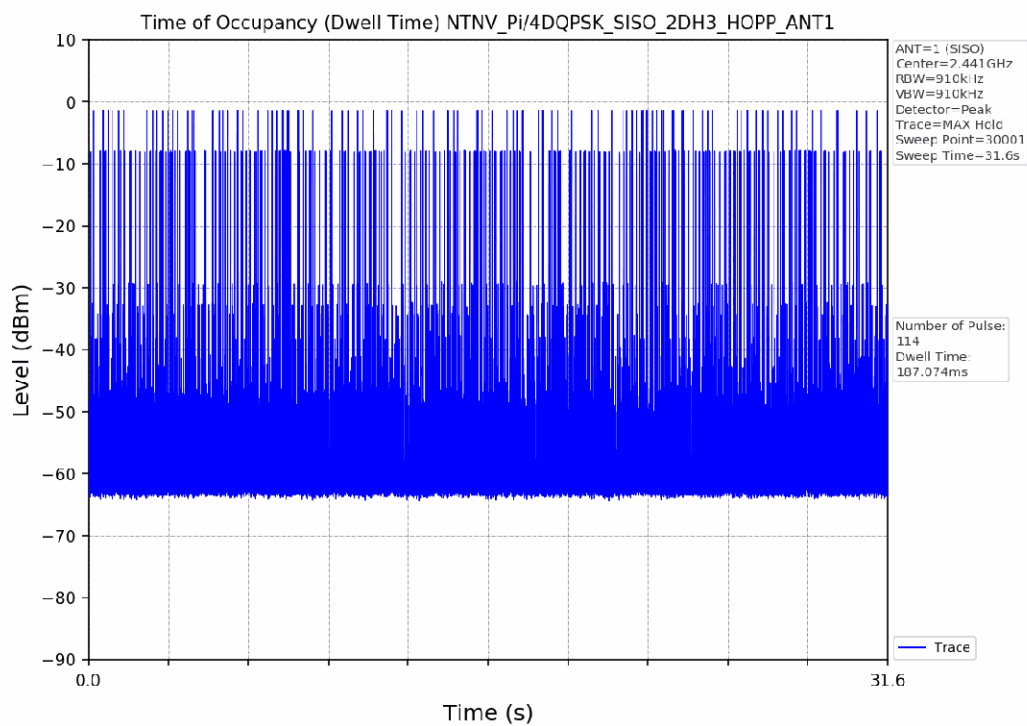


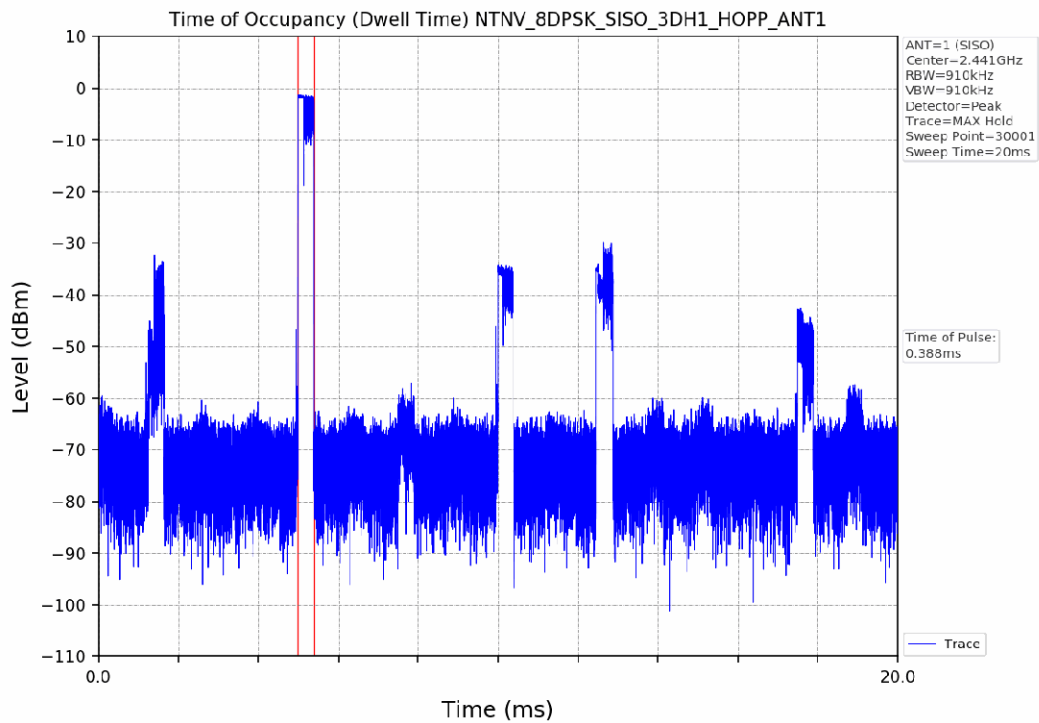
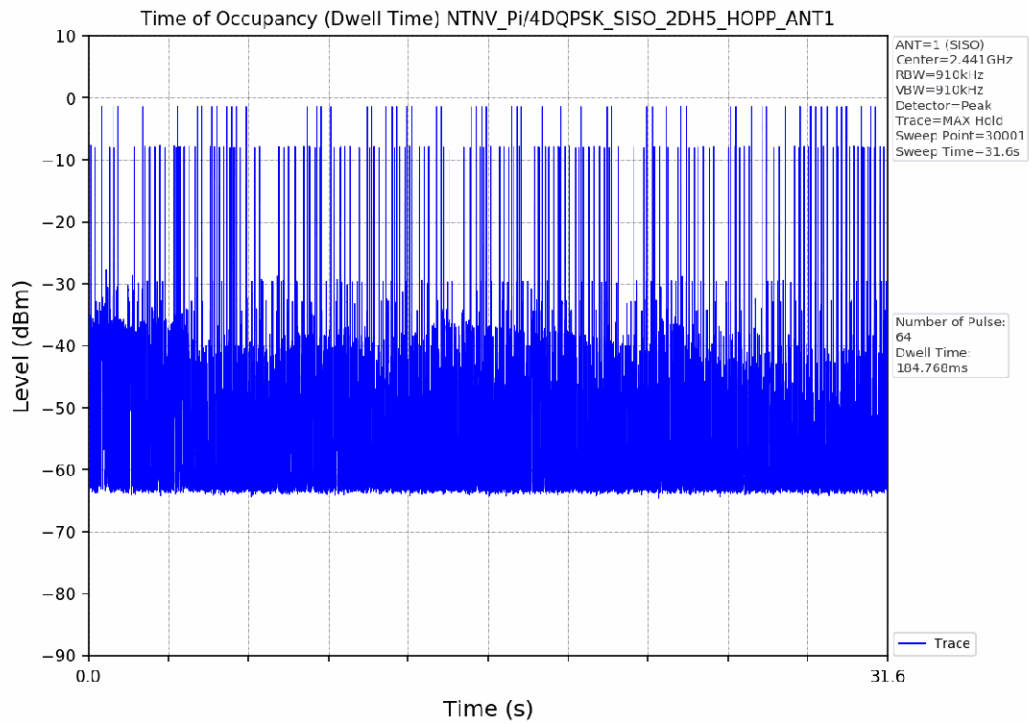


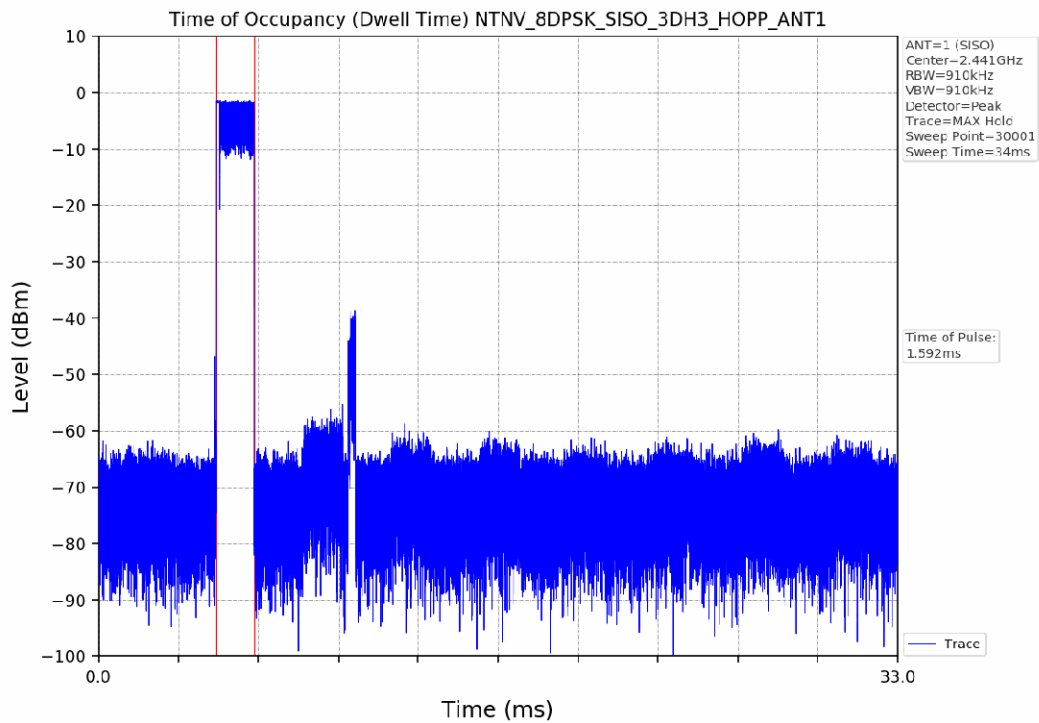
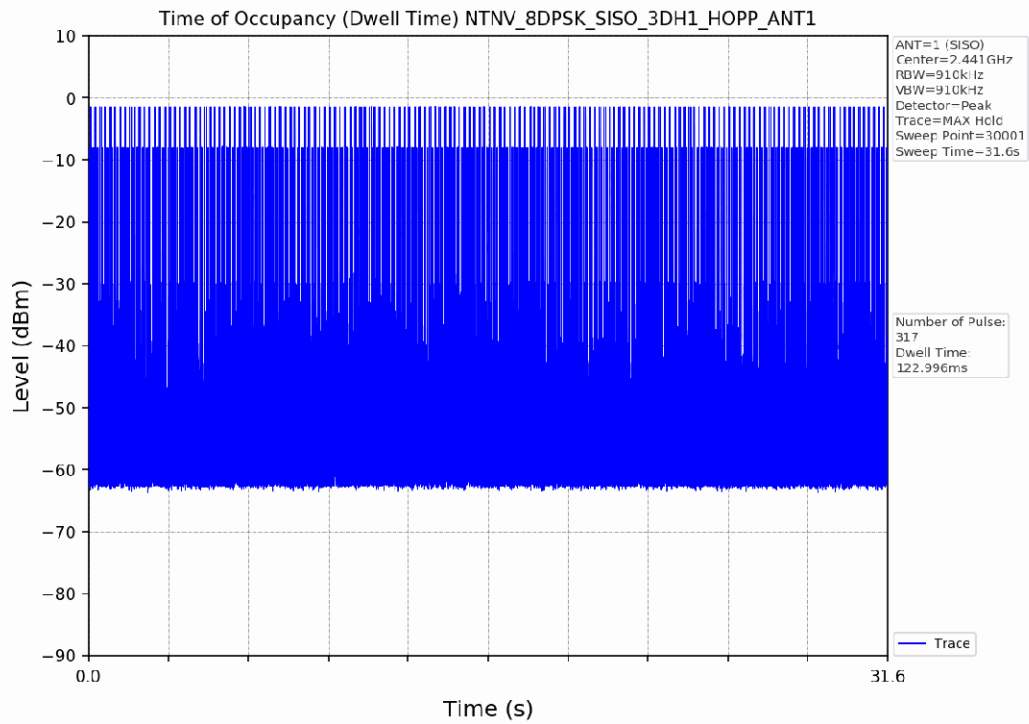


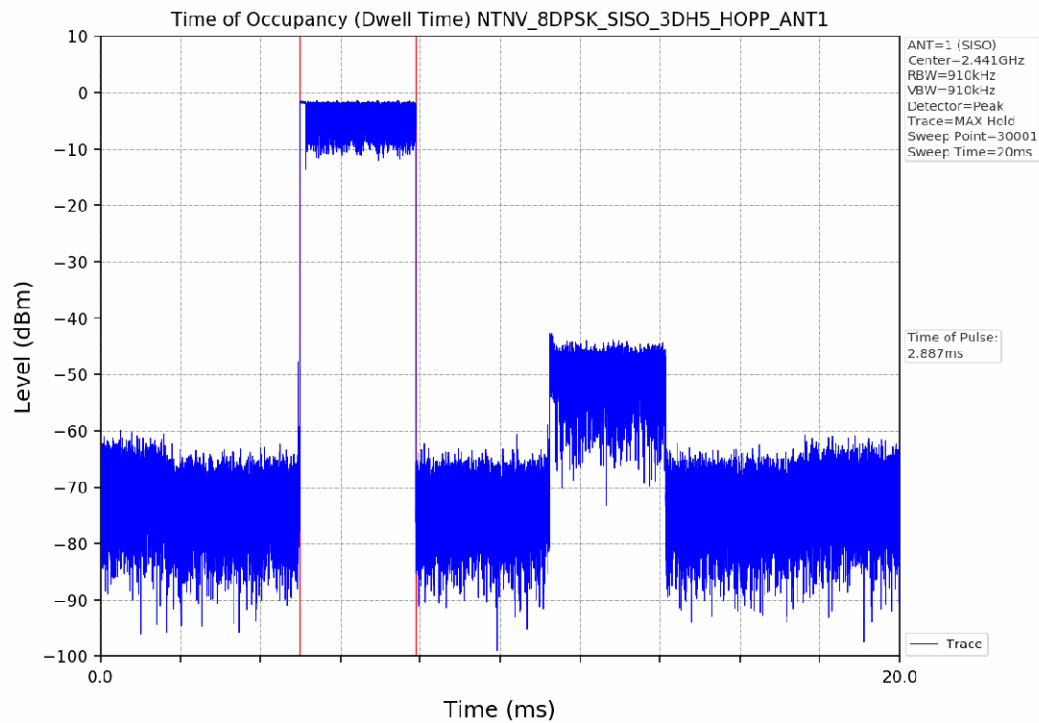
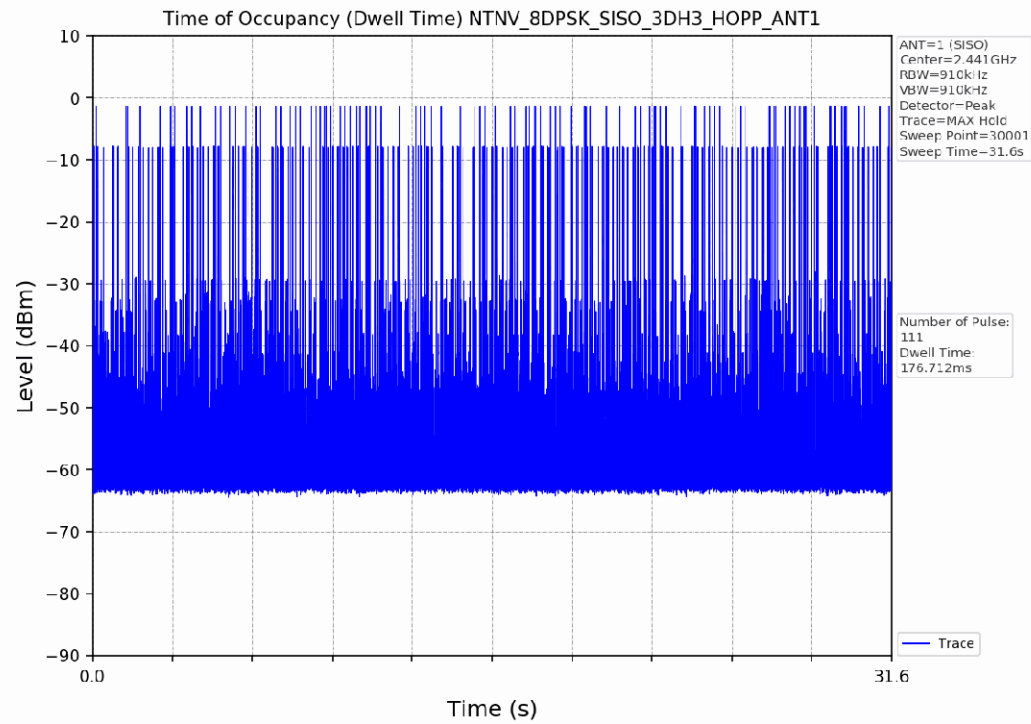


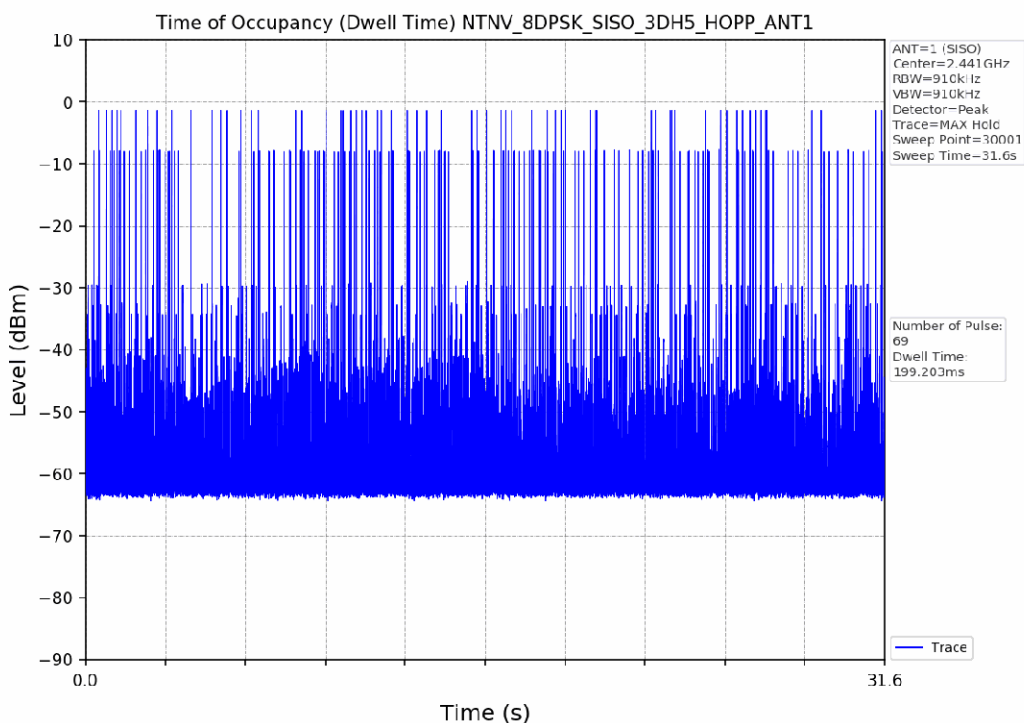












6. Unwanted Emissions in Non-restricted Frequency Bands

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	-21.29	PASS
	2441	SISO	1	Refer to test graph	-21.29	PASS
	2480	SISO	1	Refer to test graph	-21.29	PASS
	Hopping	SISO	1	Refer to test graph	-21.29	PASS
Pi/4DQPSK	2402	SISO	1	Refer to test graph	-21.35	PASS
	2441	SISO	1	Refer to test graph	-21.35	PASS
	2480	SISO	1	Refer to test graph	-21.35	PASS
	Hopping	SISO	1	Refer to test graph	-21.35	PASS
8DPSK	2402	SISO	1	Refer to test graph	-21.36	PASS
	2441	SISO	1	Refer to test graph	-21.36	PASS
	2480	SISO	1	Refer to test graph	-21.36	PASS
	Hopping	SISO	1	Refer to test graph	-21.36	PASS



6.2 Test Graph

