

Appendix for 15.247

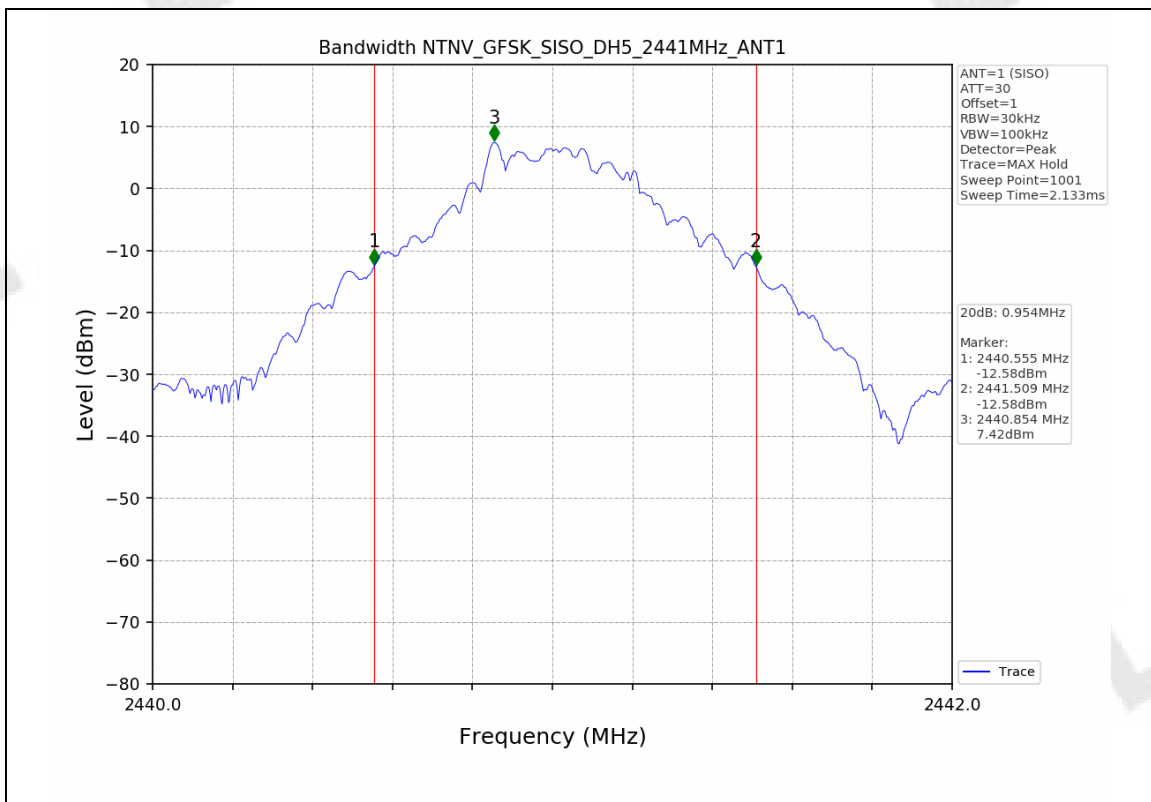
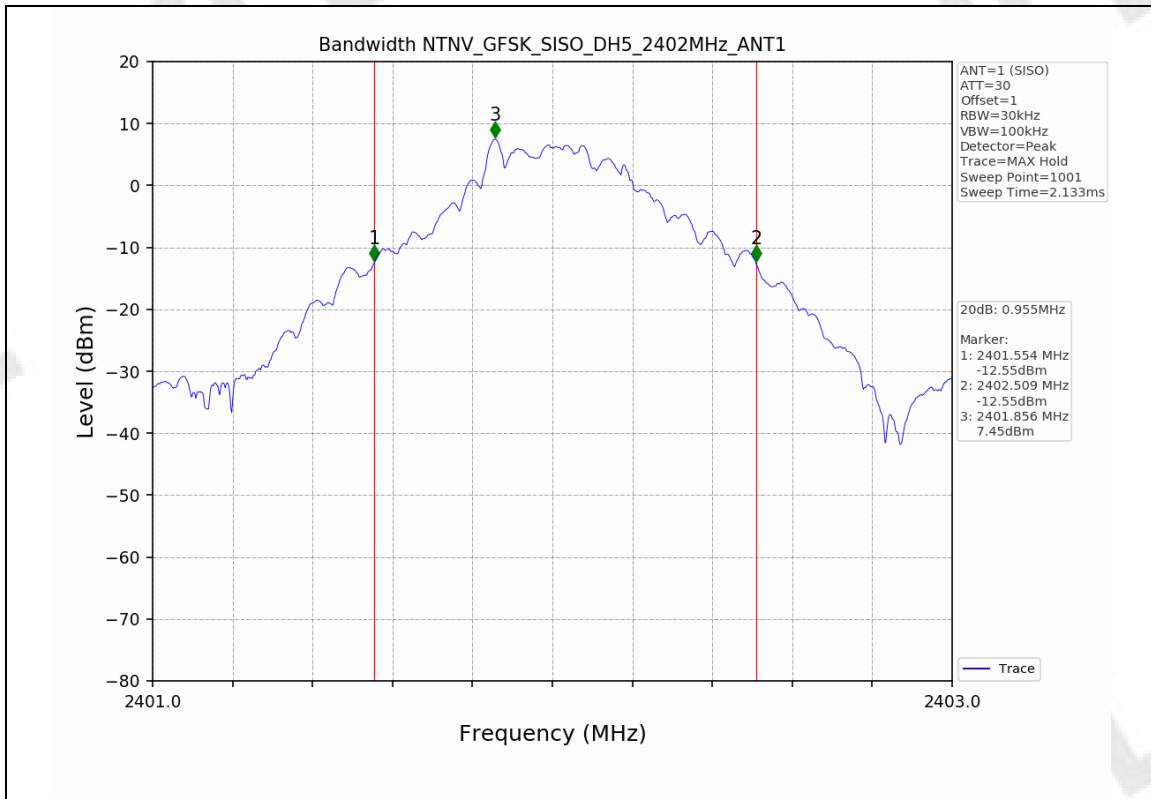
1. Bandwidth

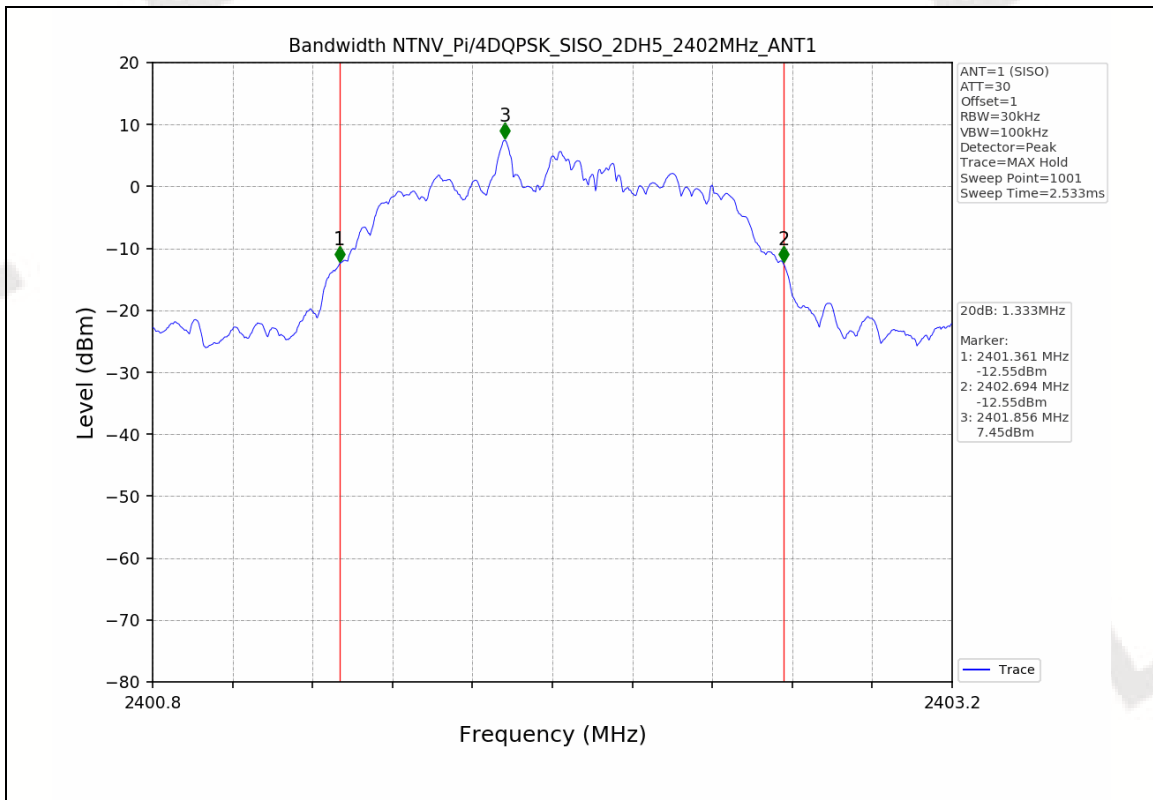
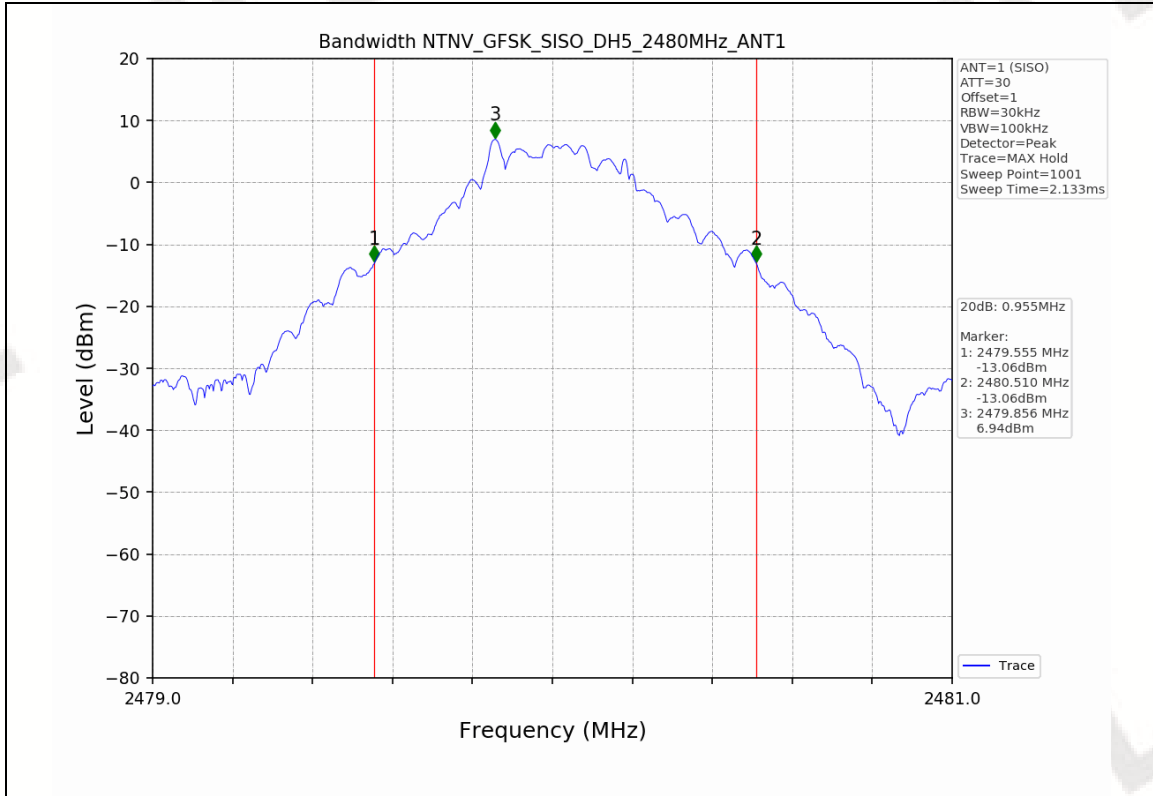
1.1 Test Result

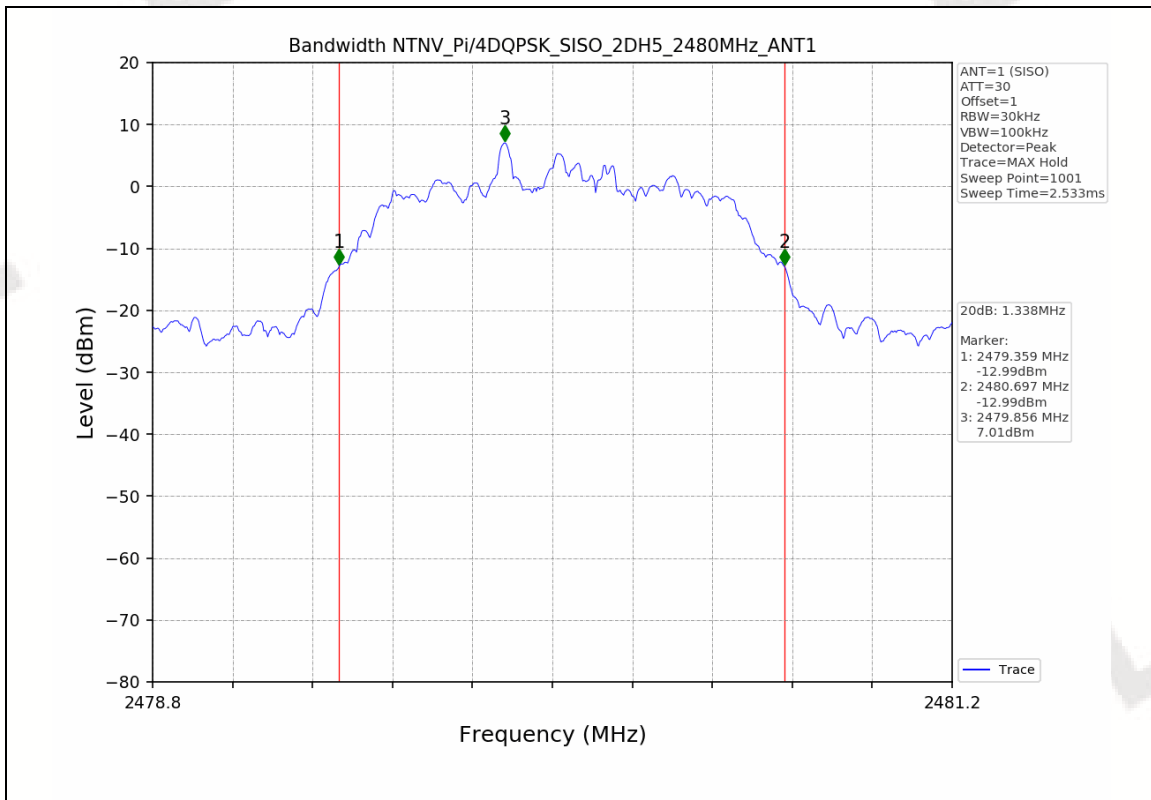
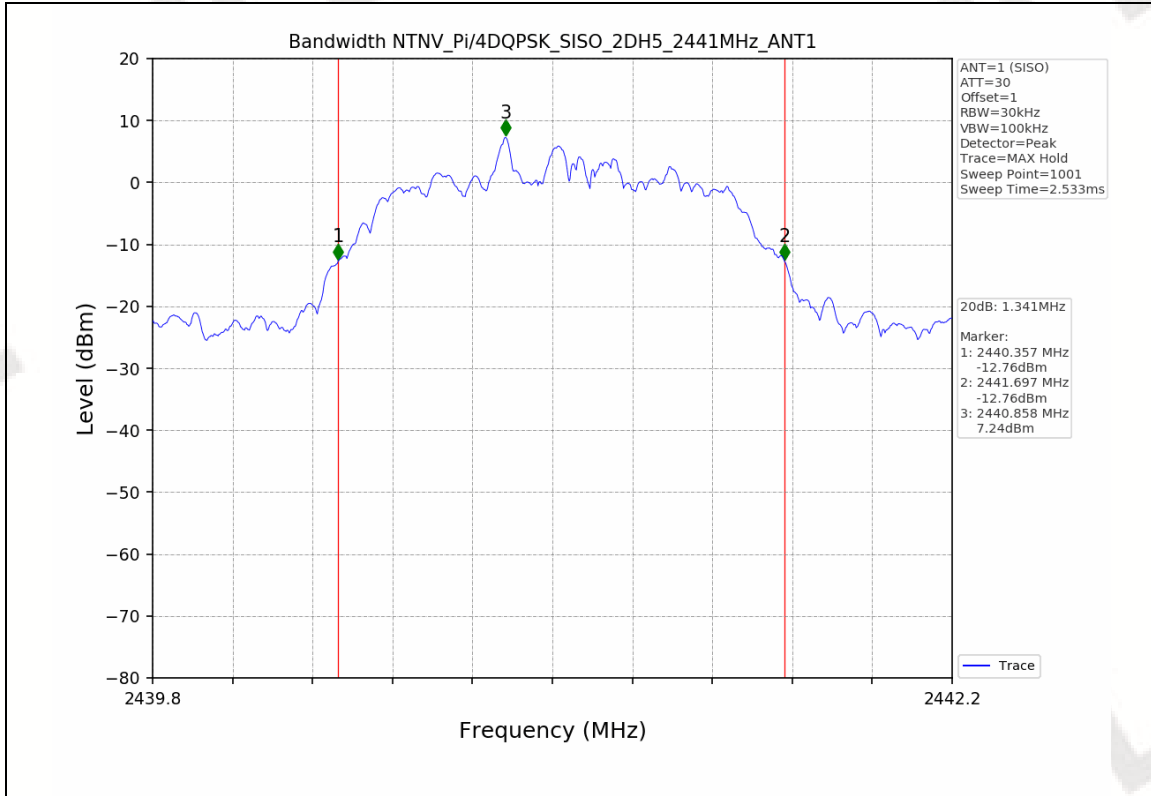
Test Mode	Frequency (MHz)	TX Type	ANT No.	20dB Bandwidth	Verdict
				Test Result (MHz)	
GFSK	2402	SISO	1	0.955	PASS
	2441	SISO	1	0.954	PASS
	2480	SISO	1	0.955	PASS
Pi/4DQPSK	2402	SISO	1	1.333	PASS
	2441	SISO	1	1.341	PASS
	2480	SISO	1	1.338	PASS
8DPSK	2402	SISO	1	1.309	PASS
	2441	SISO	1	1.313	PASS
	2480	SISO	1	1.312	PASS

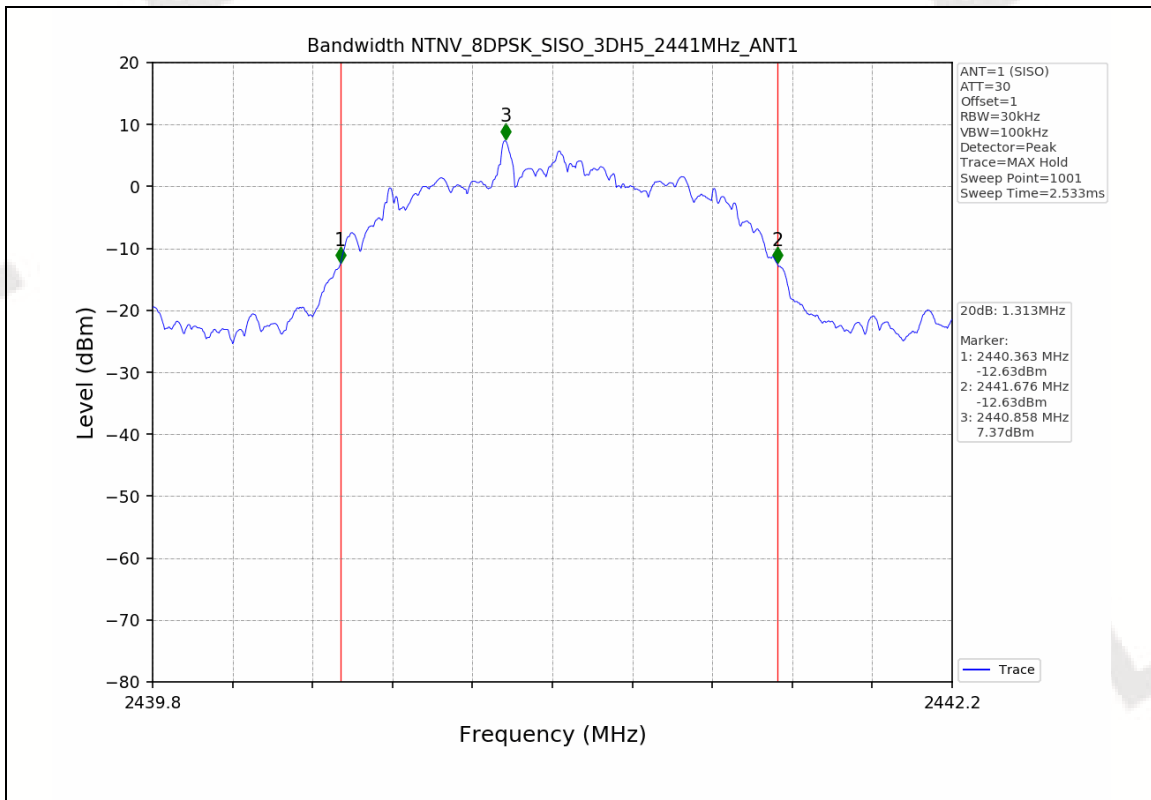
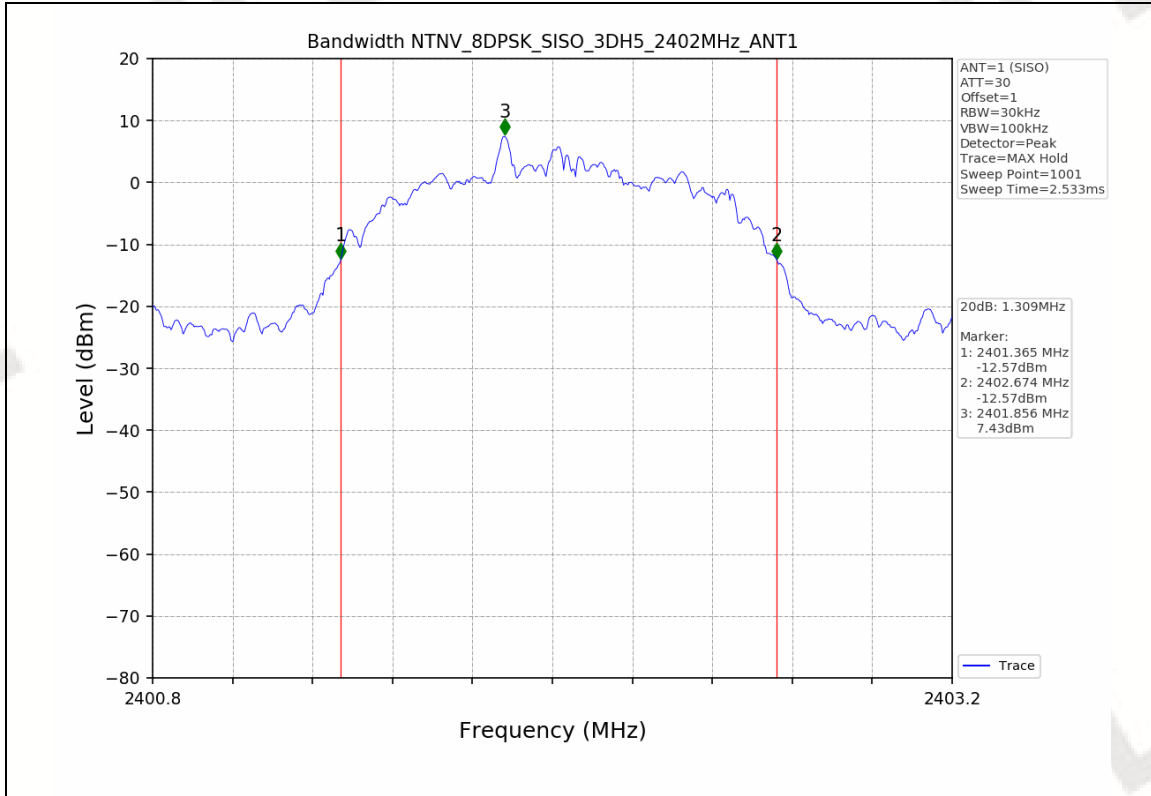
Test Mode	Frequency (MHz)	TX Type	ANT No.	99% Occupied Bandwidth	
				Test Result (MHz)	
GFSK	2402	SISO	1	0.887	Only for Report Use
	2441	SISO	1	0.890	Only for Report Use
	2480	SISO	1	0.884	Only for Report Use
Pi/4DQPSK	2402	SISO	1	1.248	Only for Report Use
	2441	SISO	1	1.256	Only for Report Use
	2480	SISO	1	1.261	Only for Report Use
8DPSK	2402	SISO	1	1.247	Only for Report Use
	2441	SISO	1	1.258	Only for Report Use
	2480	SISO	1	1.256	Only for Report Use

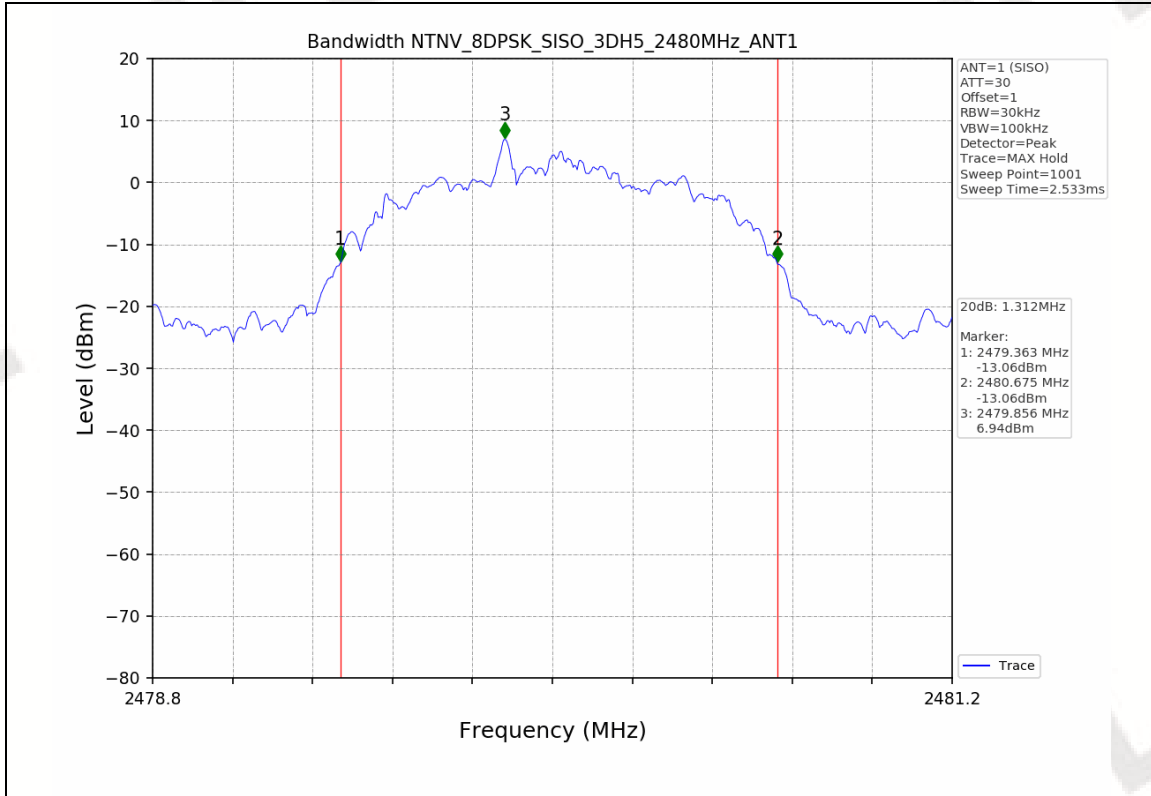
1.2 Test Graph - 20dB Bandwidth



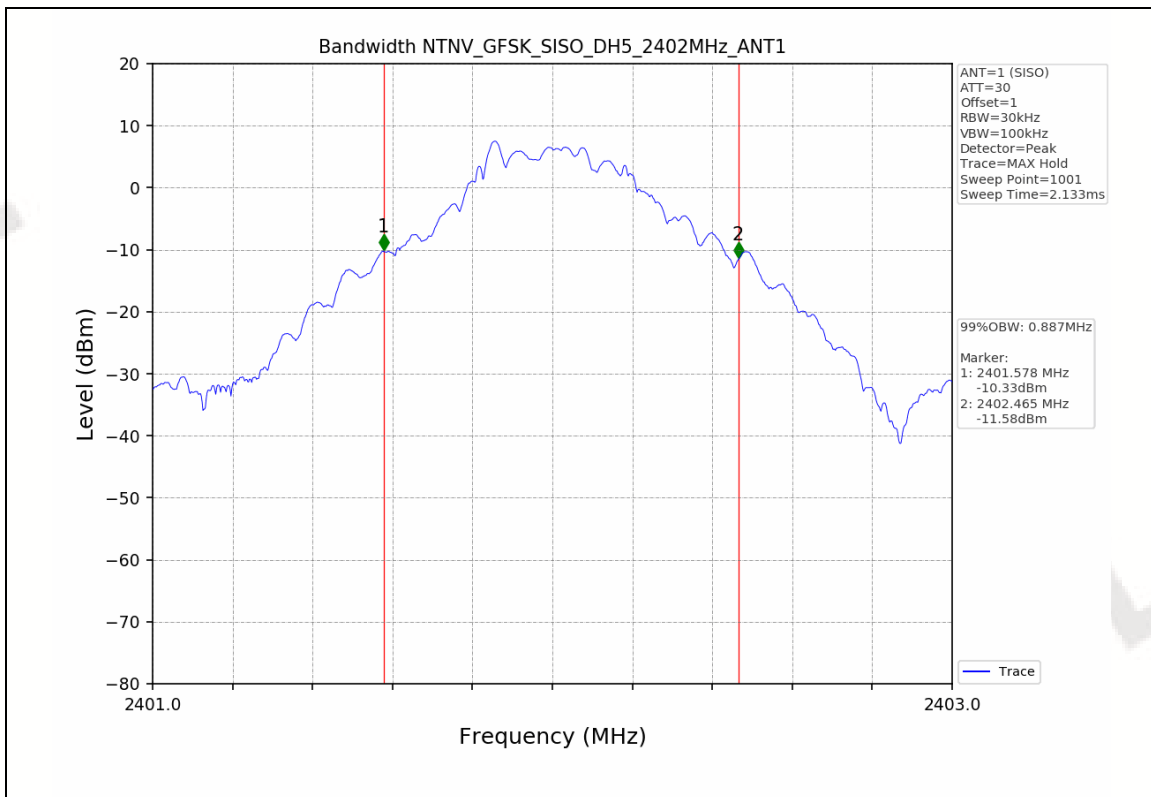


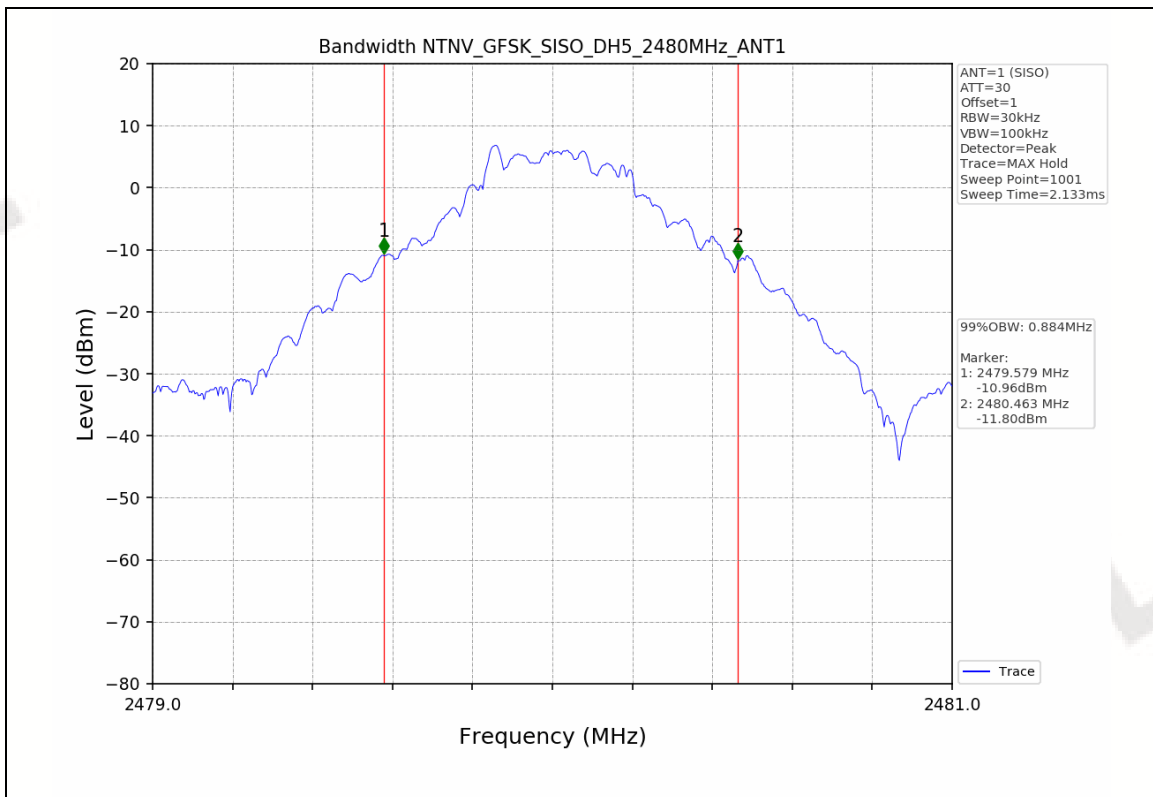
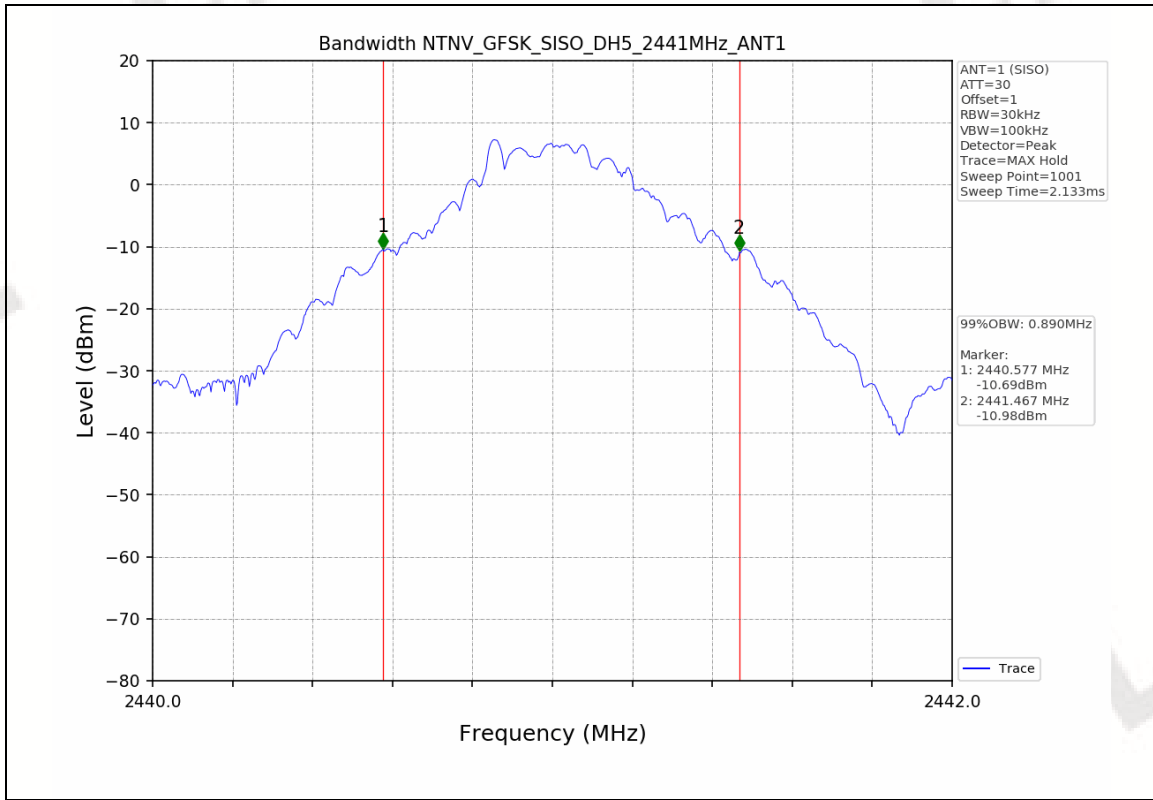


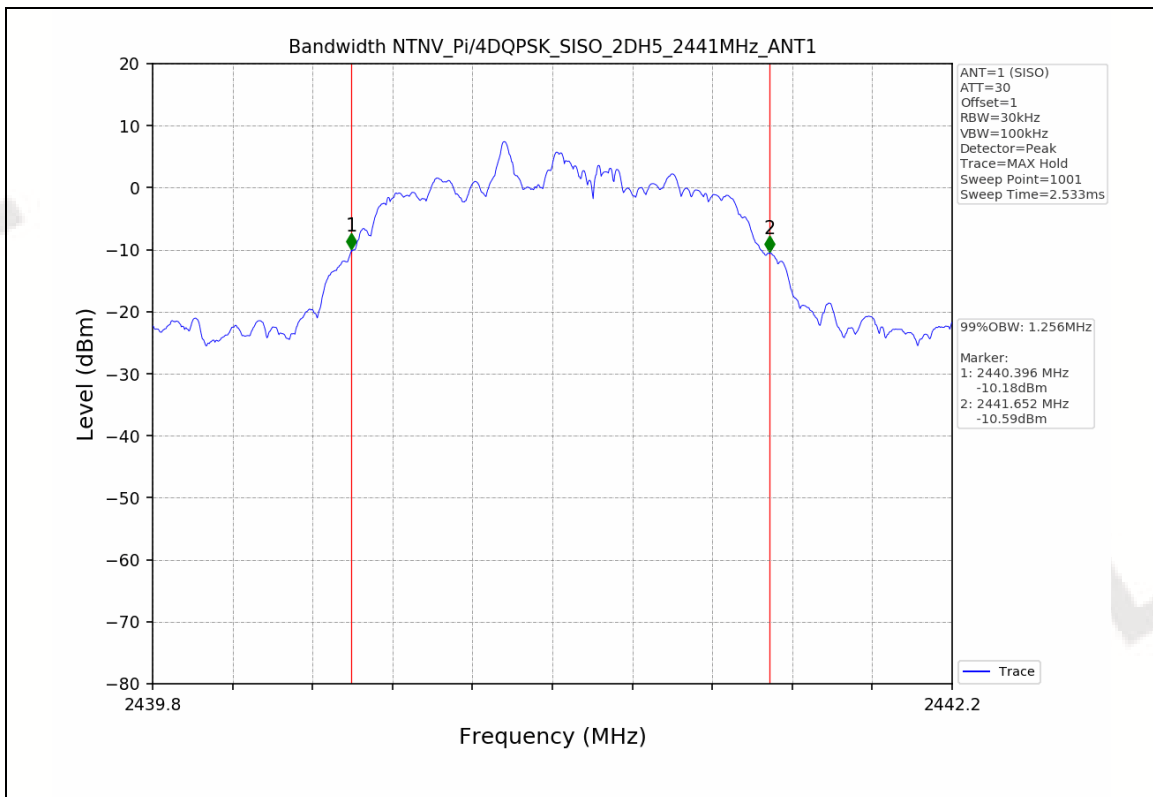
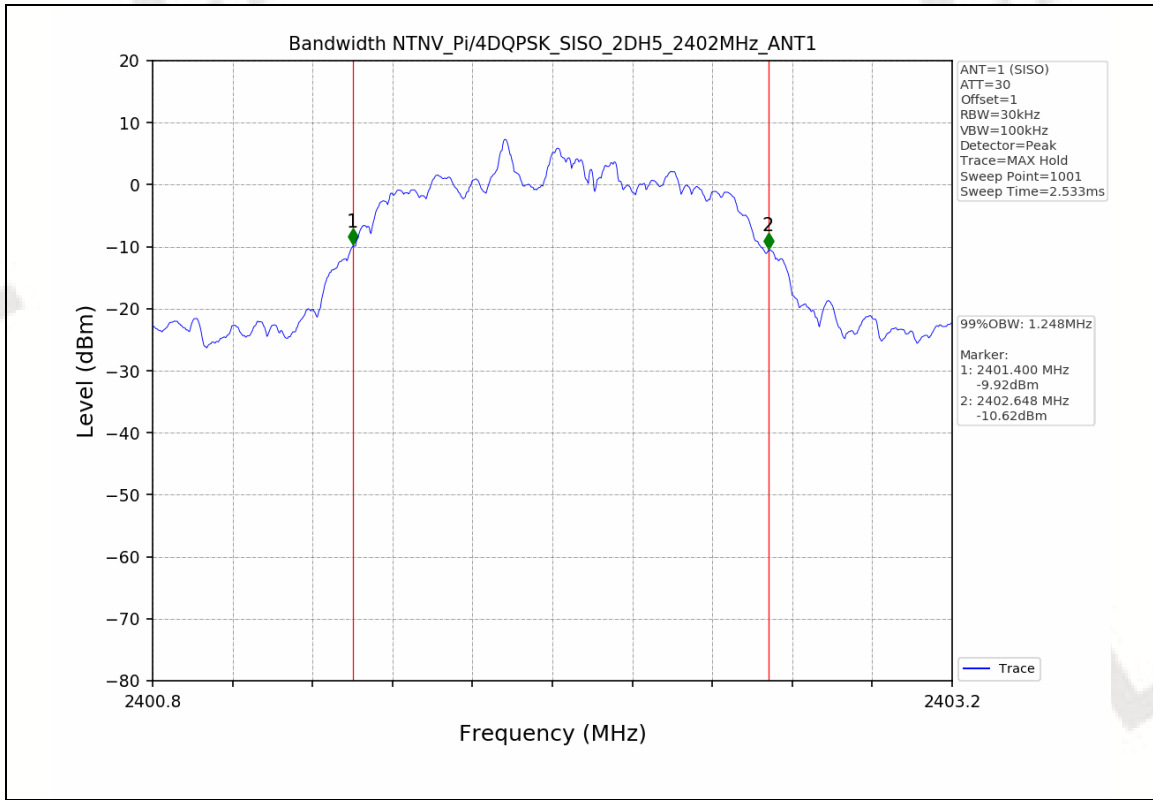


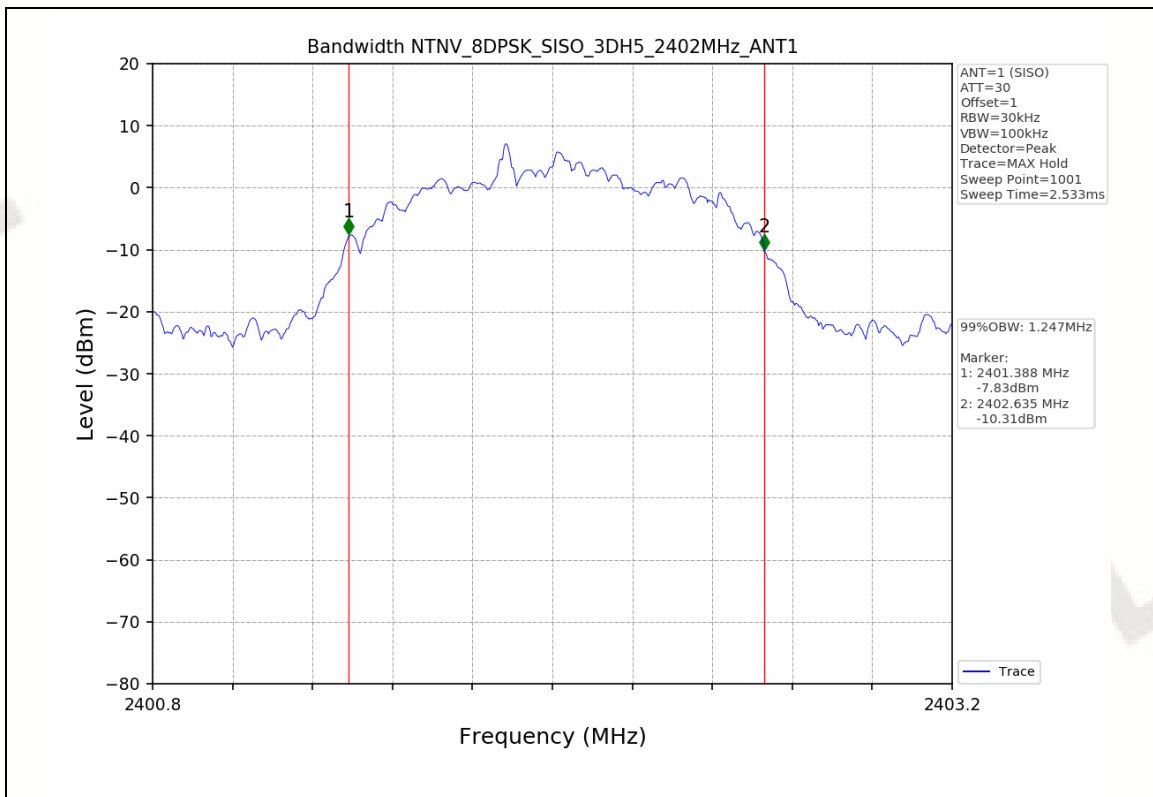
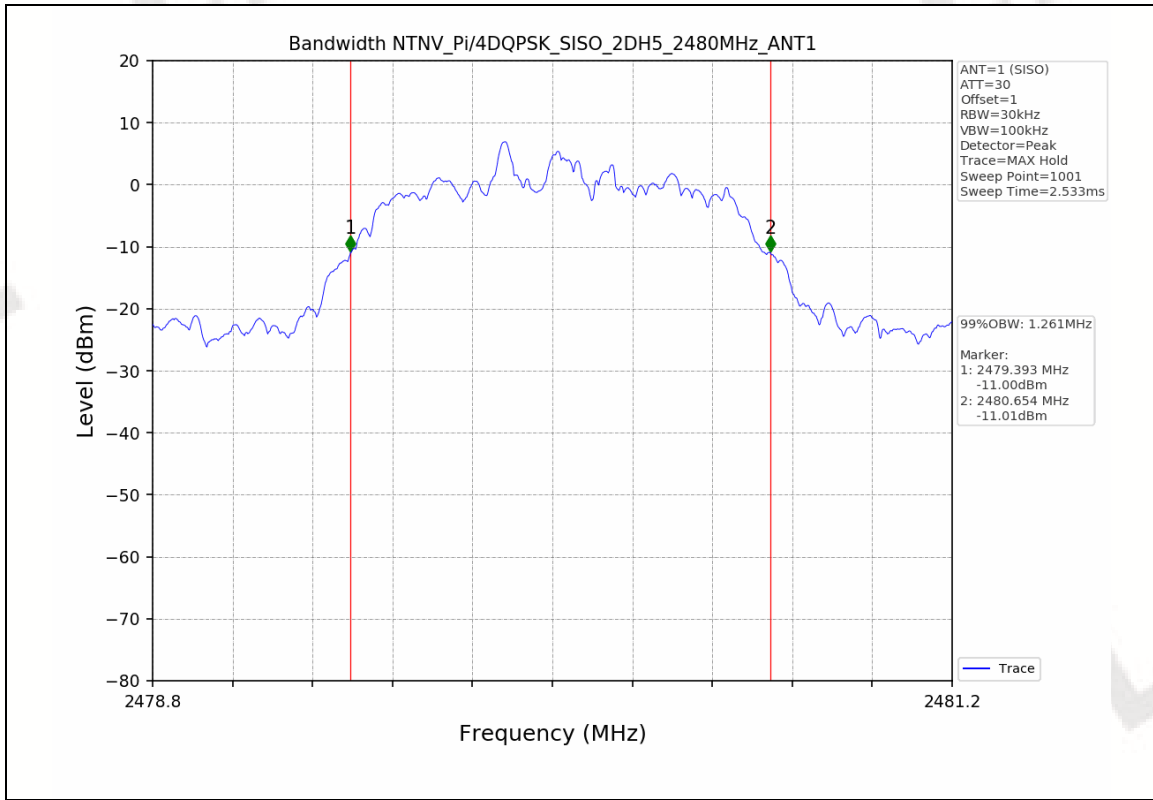


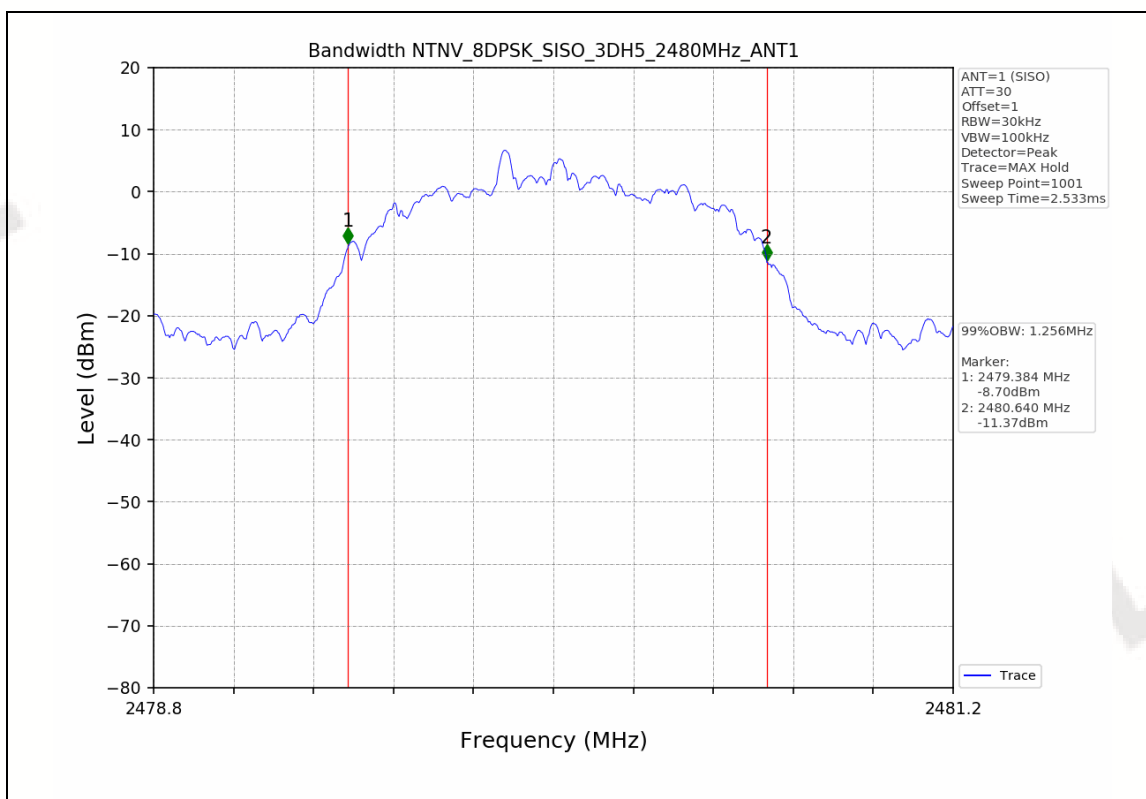
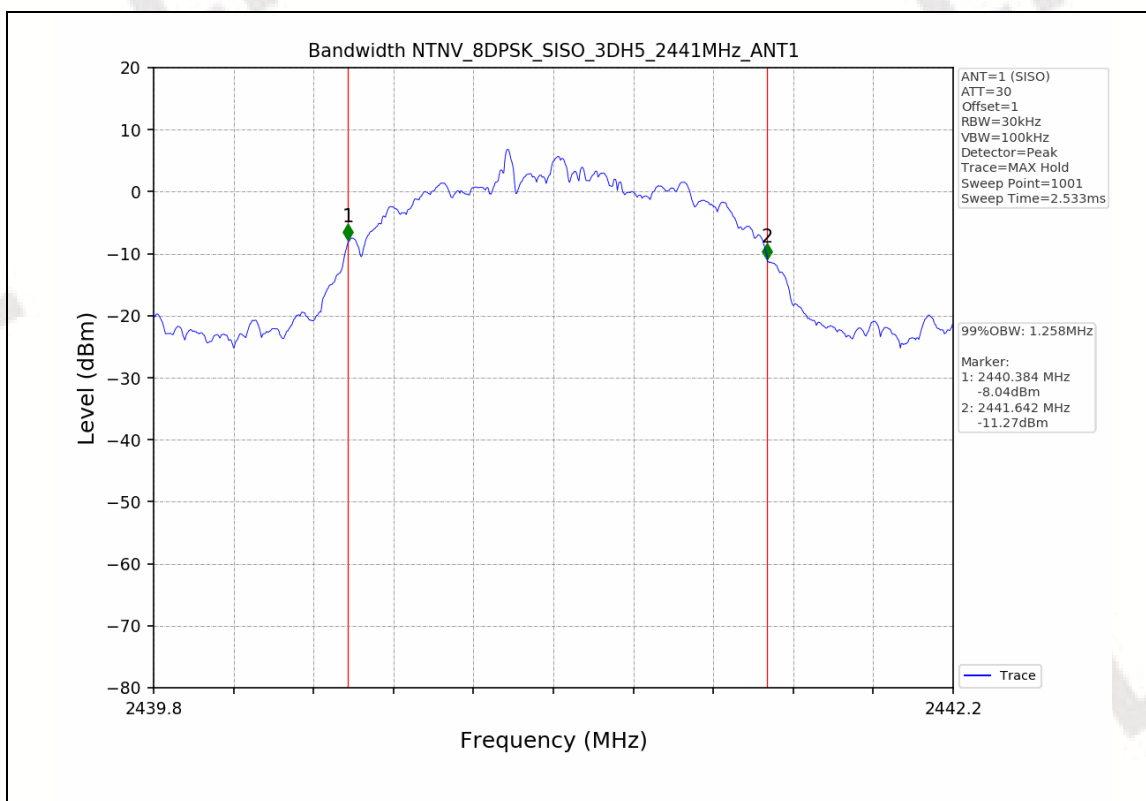
1.3 Test Graph - 99% Occupied Bandwidth









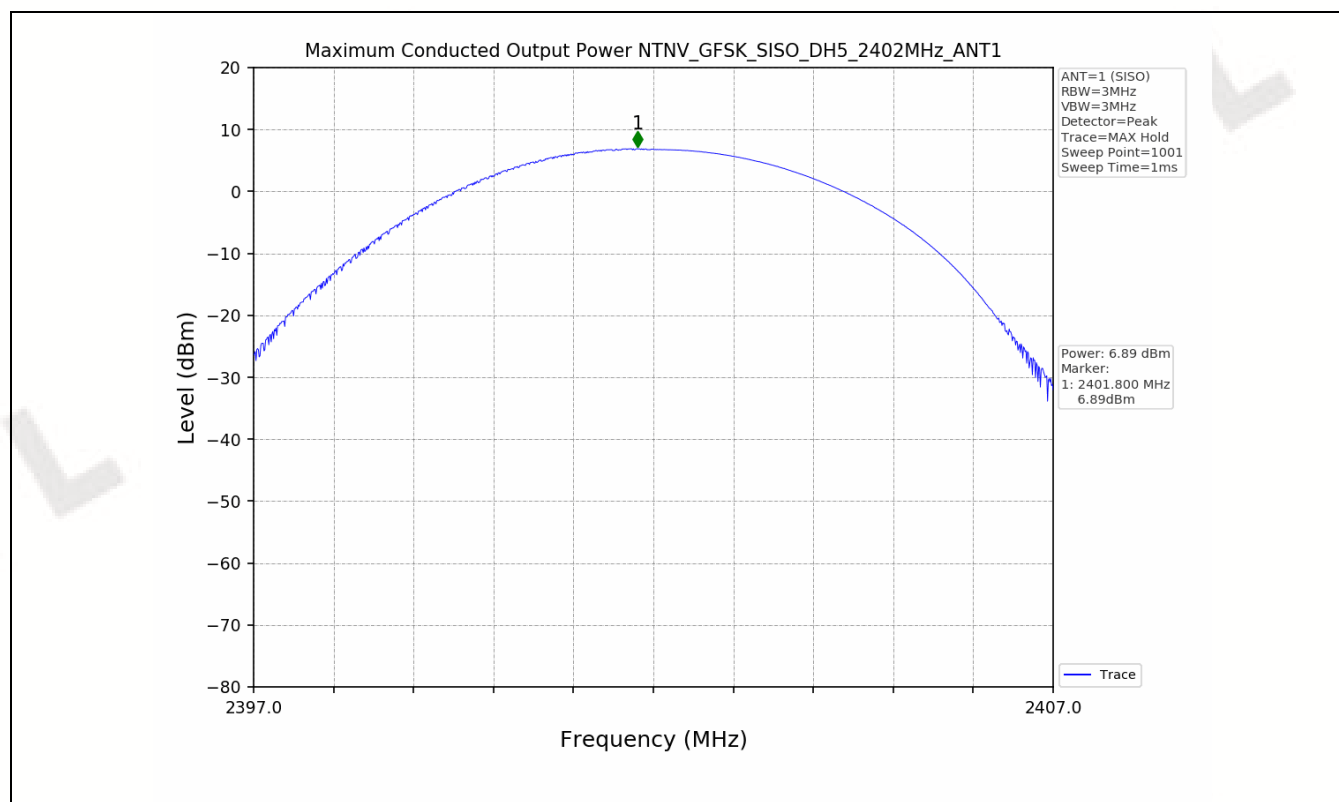


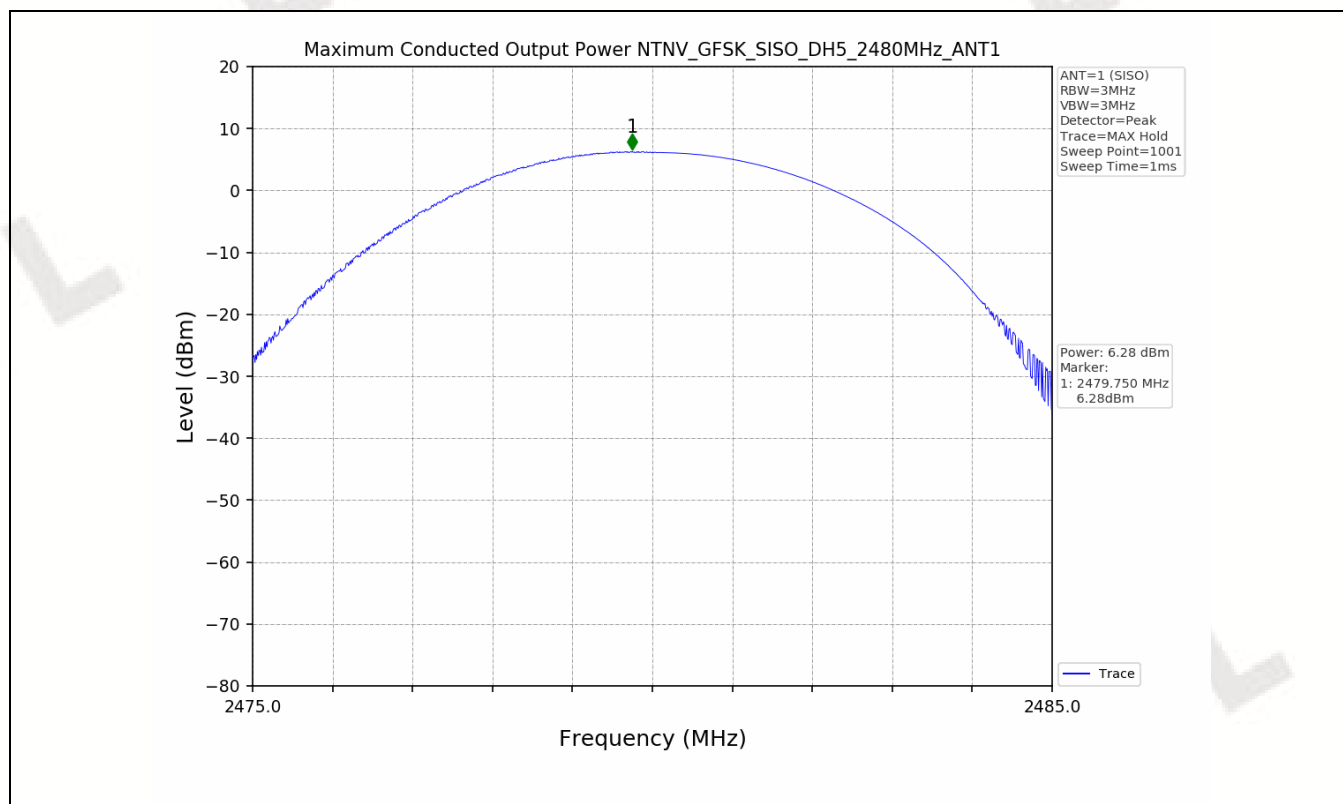
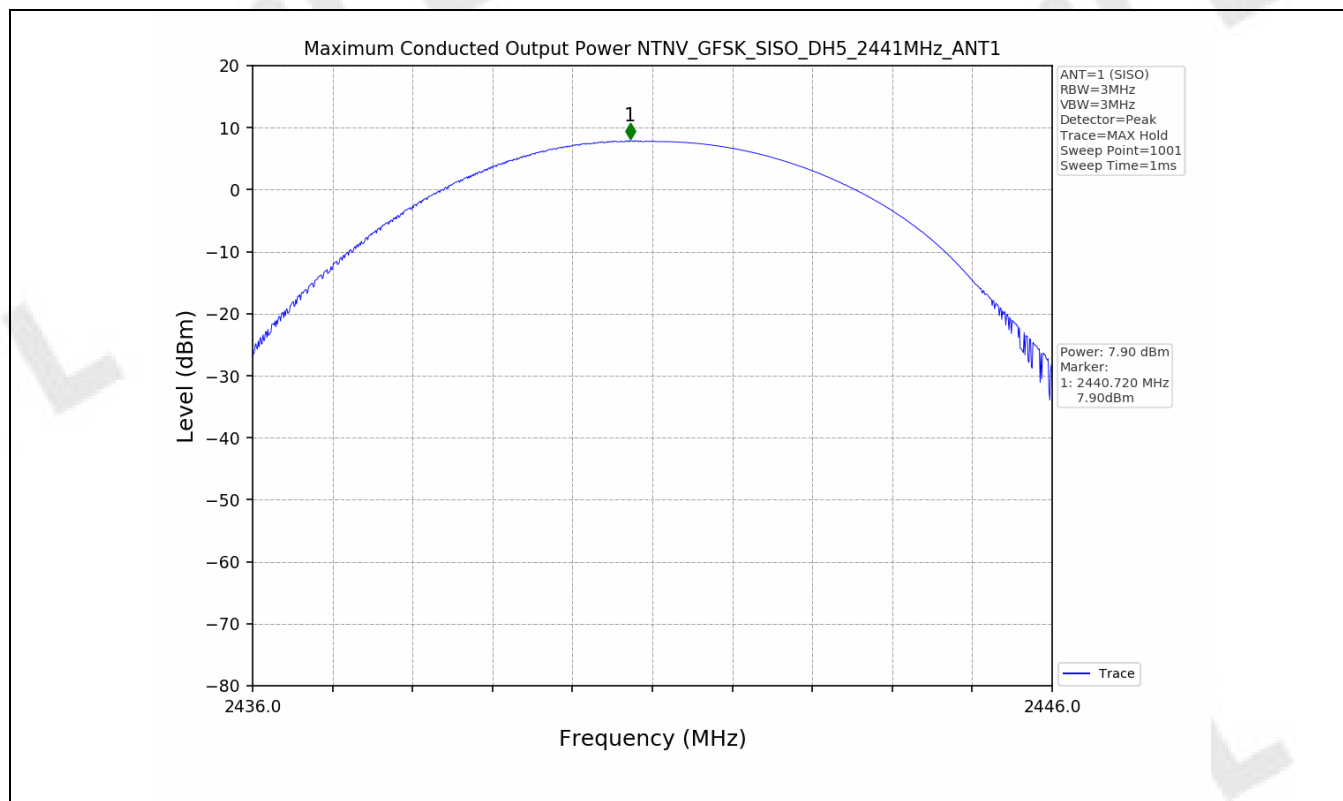
2. Maximum Conducted Output Power

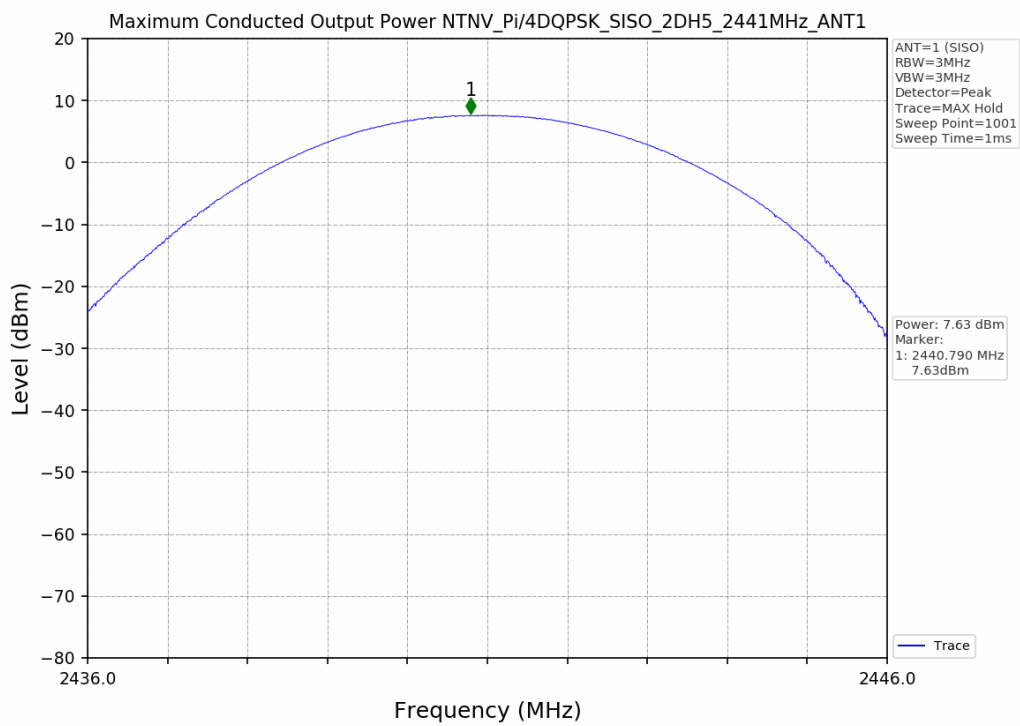
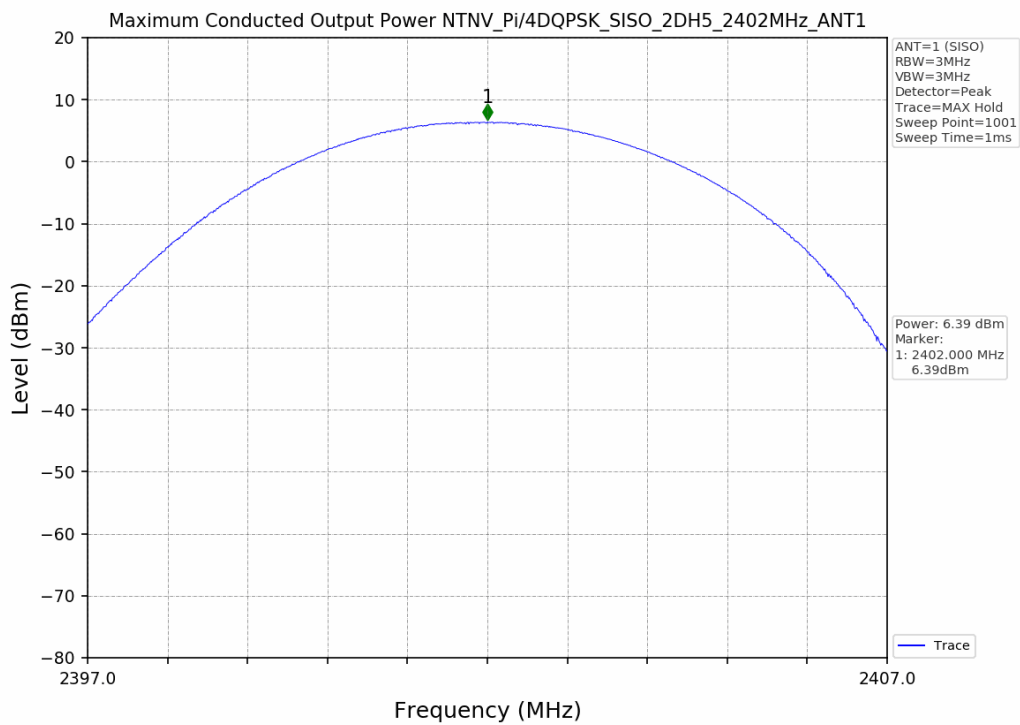
2.1 Test Result

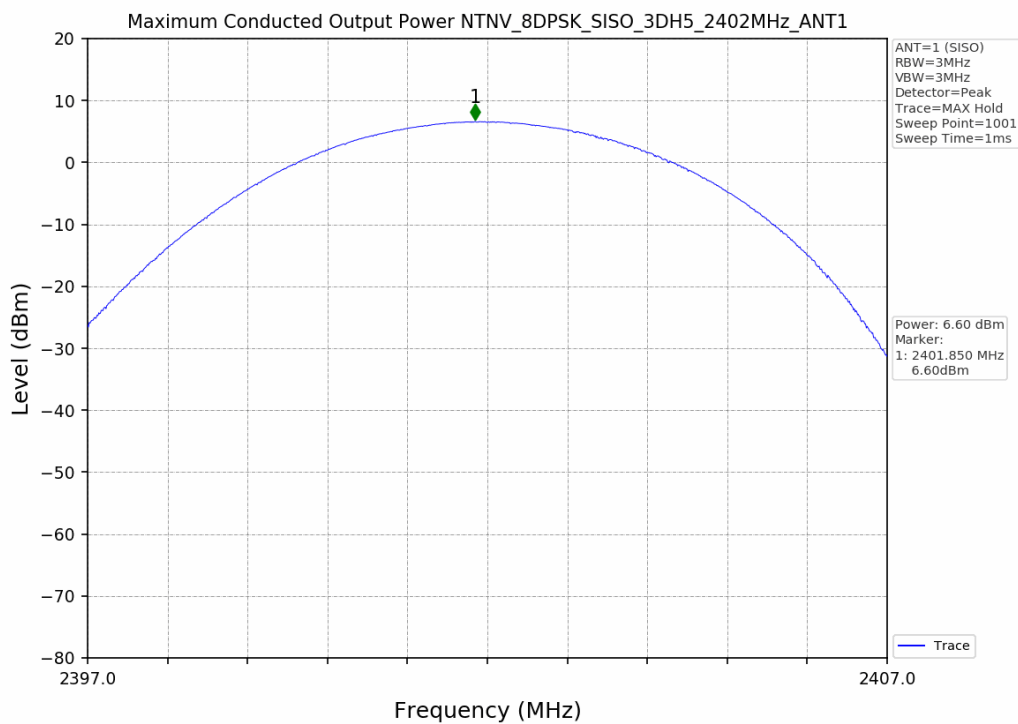
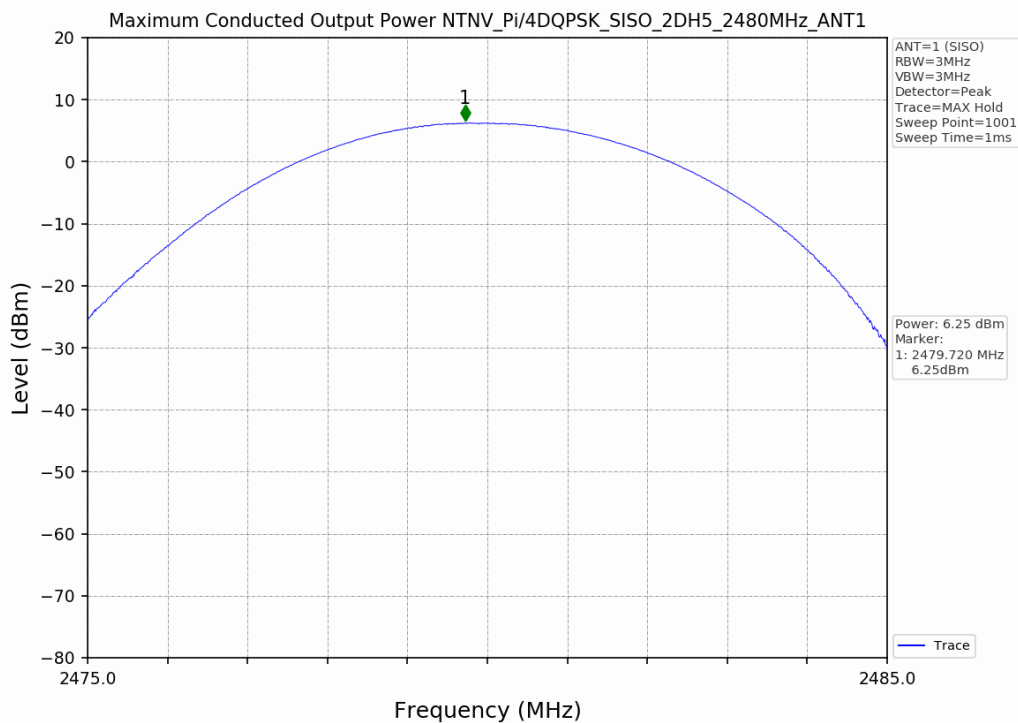
Test Mode	Frequency (MHz)	Tx Type	Measured Peak Output Power (dBm)	Limits (dBm)	Verdict
			Ant 1		
GFSK	2402	SISO	6.89	30	PASS
	2441	SISO	7.90	30	PASS
	2480	SISO	6.28	30	PASS
Pi/4DQPSK	2402	SISO	6.39	20.97	PASS
	2441	SISO	7.63	20.97	PASS
	2480	SISO	6.25	20.97	PASS
8DPSK	2402	SISO	6.60	20.97	PASS
	2441	SISO	7.78	20.97	PASS
	2480	SISO	6.44	20.97	PASS

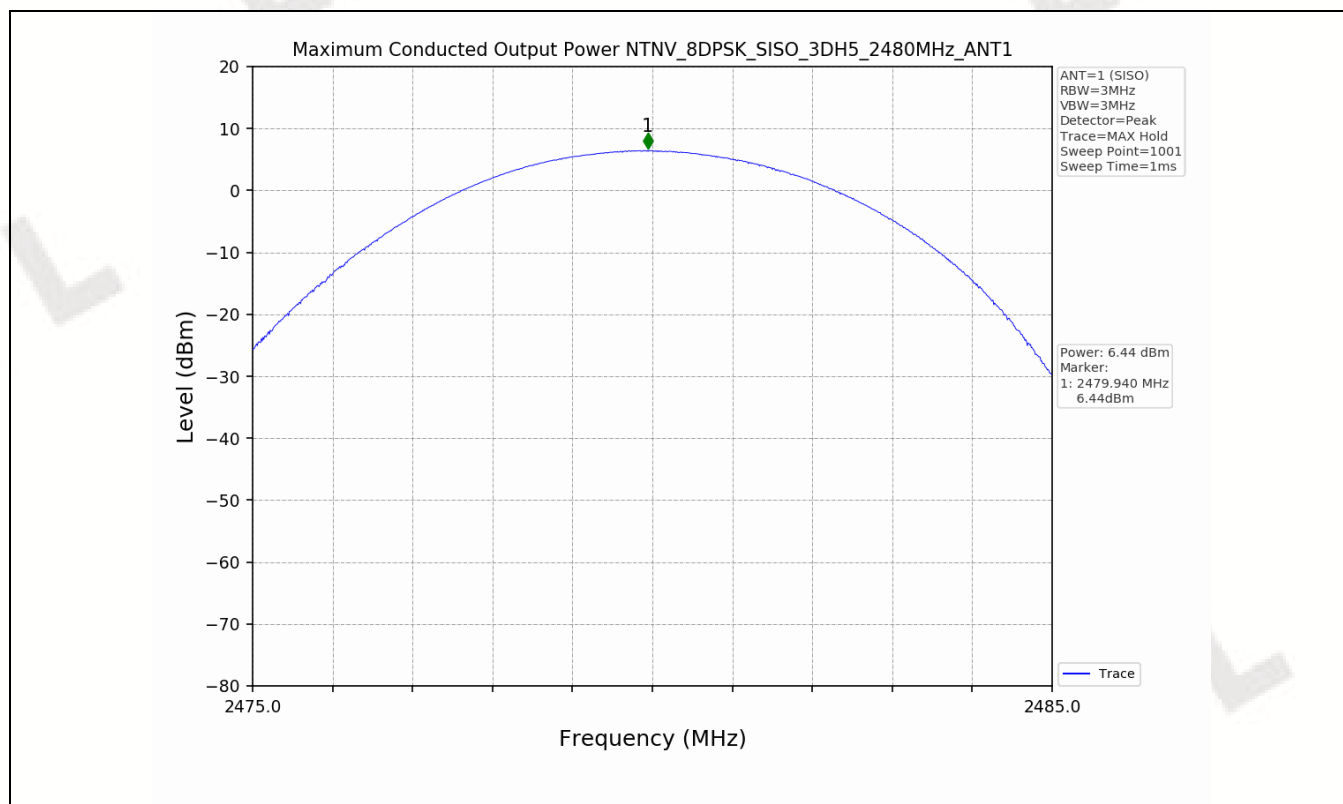
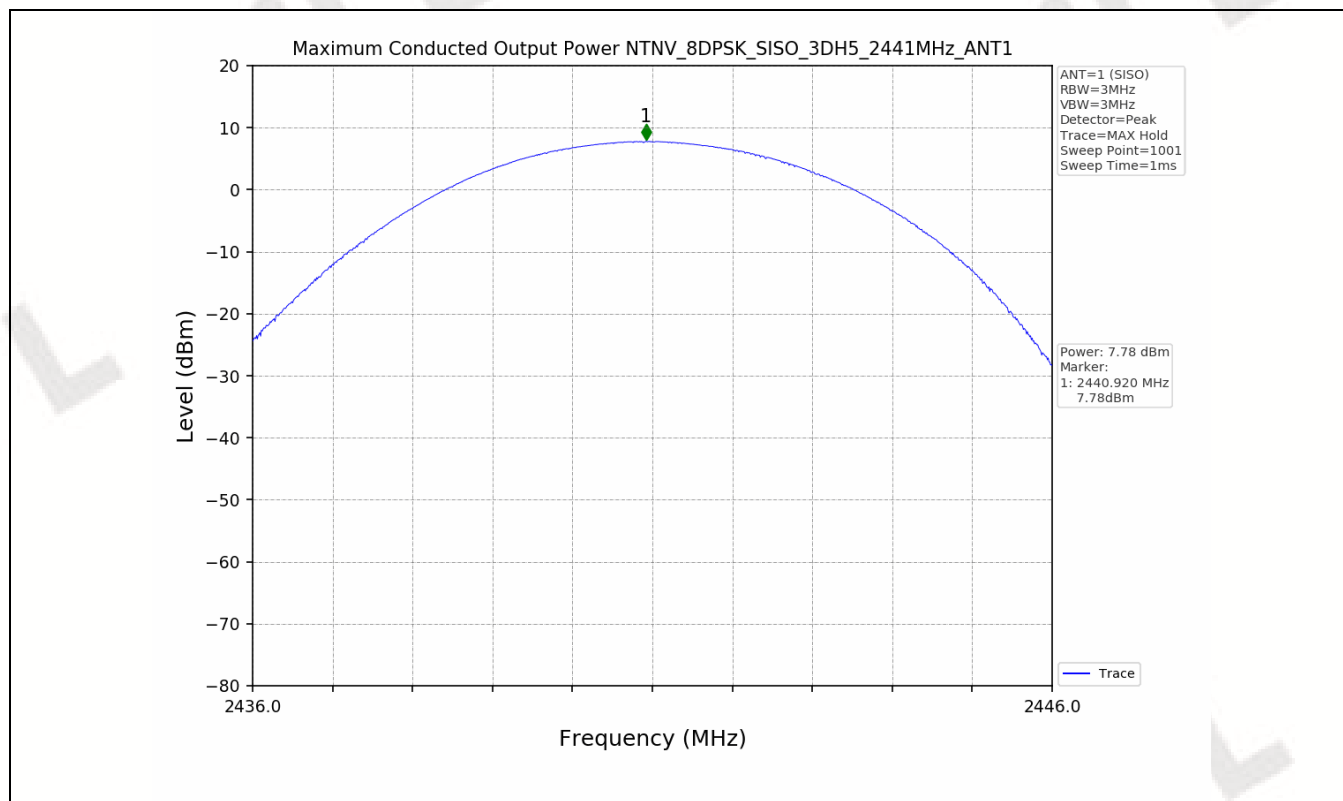
2.2 Test Graph









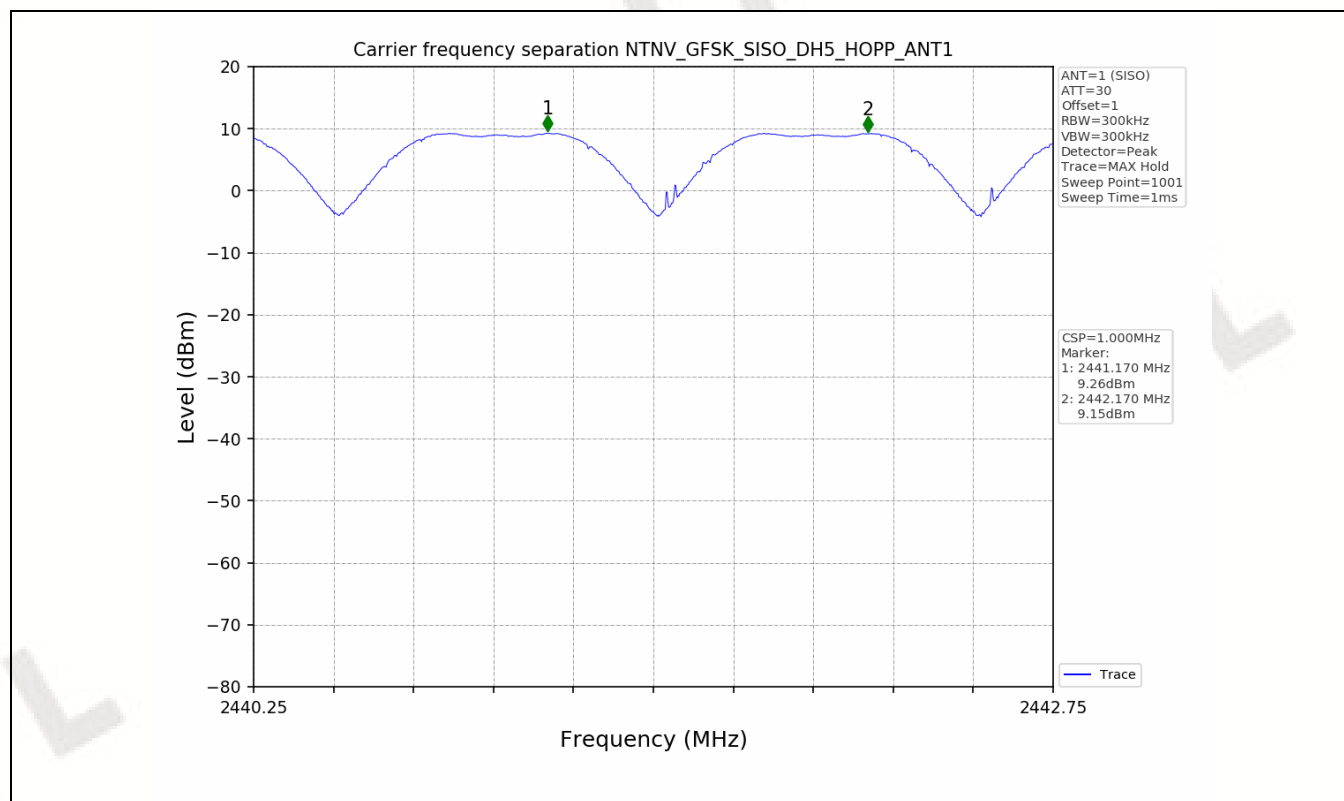


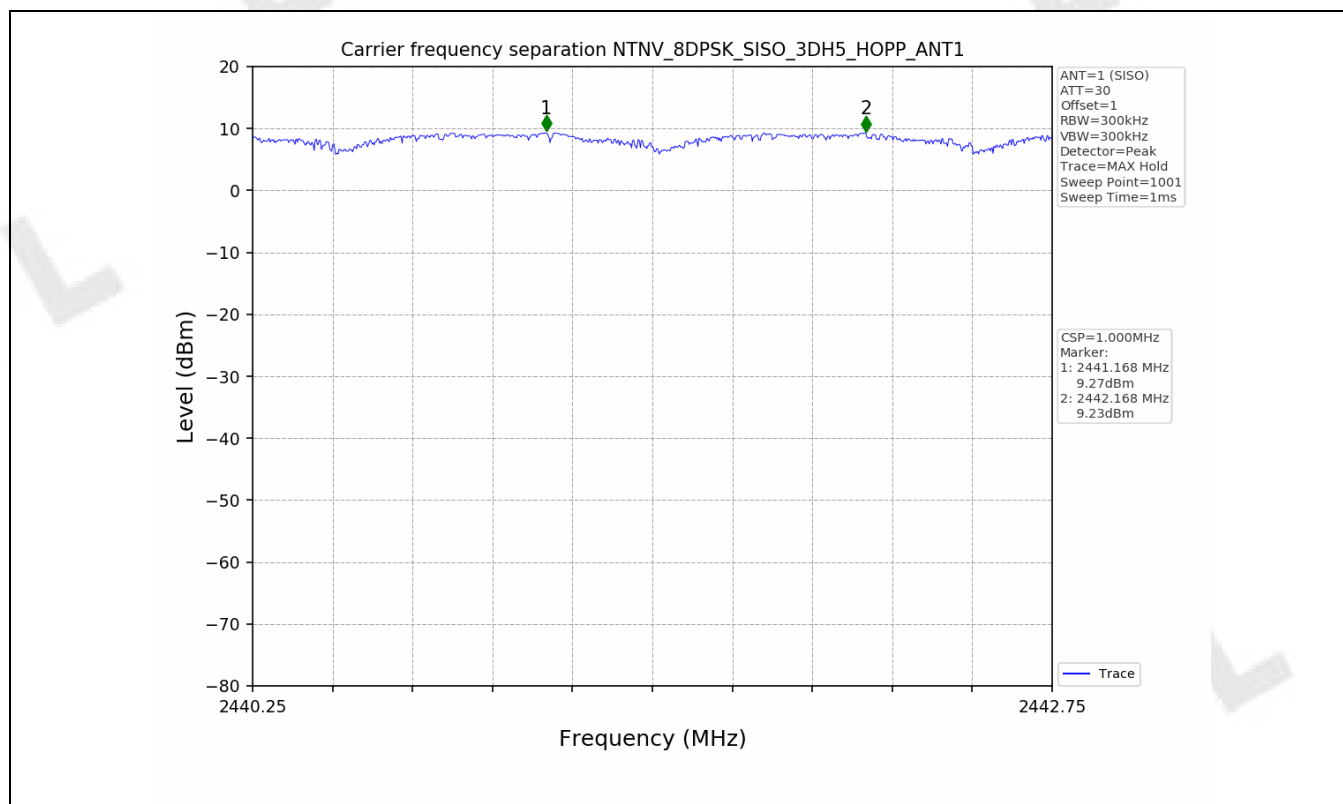
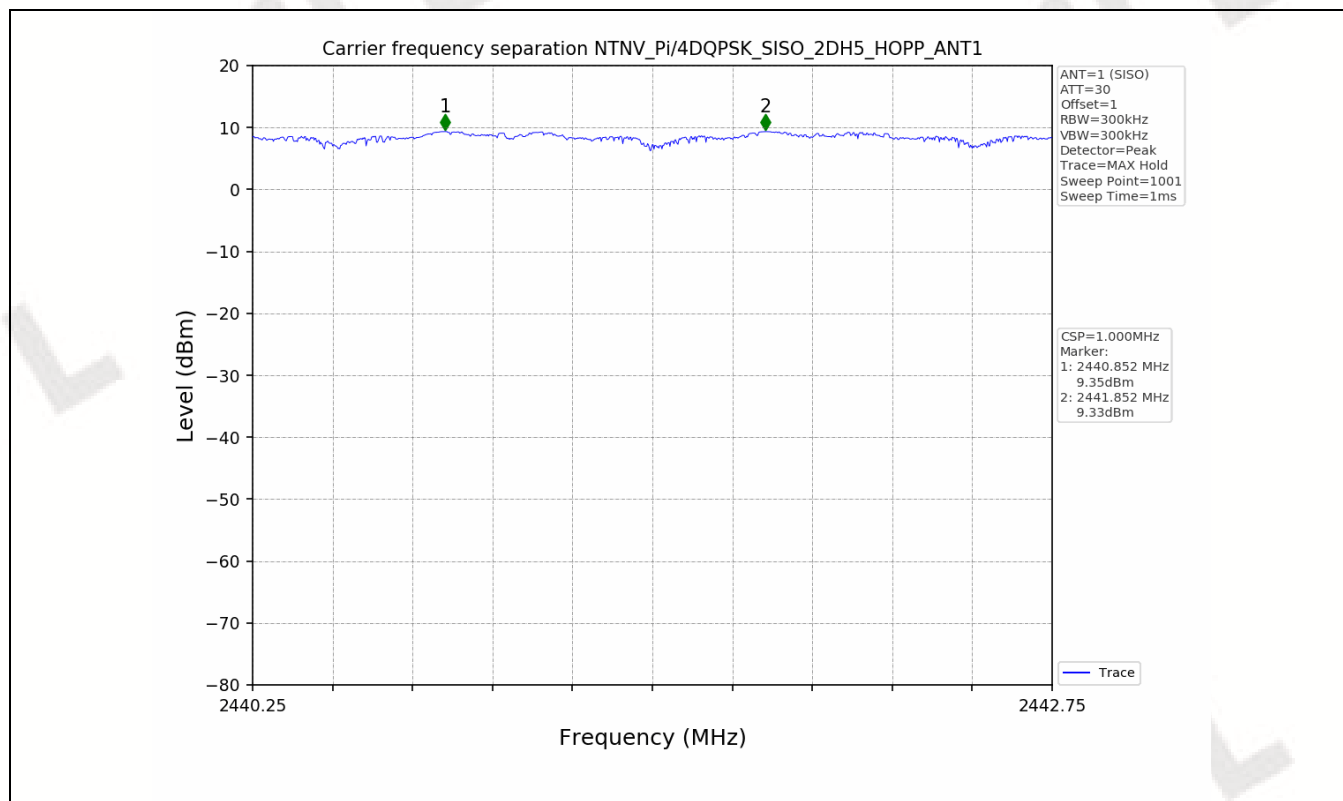
3. Carrier frequency separation

3.1 Test Result

Test Mode	TX Type	ANT No.	Channel Separation (MHz)	20dB Bandwidth (MHz)	Limits (MHz)	Verdict
GFSK	SISO	1	1.000	0.955	≥ 0.955	PASS
Pi/4DQPSK	SISO	1	1.000	1.341	≥ 0.894	PASS
8DPSK	SISO	1	1.000	1.313	≥ 0.875	PASS

3.2 Test Graph



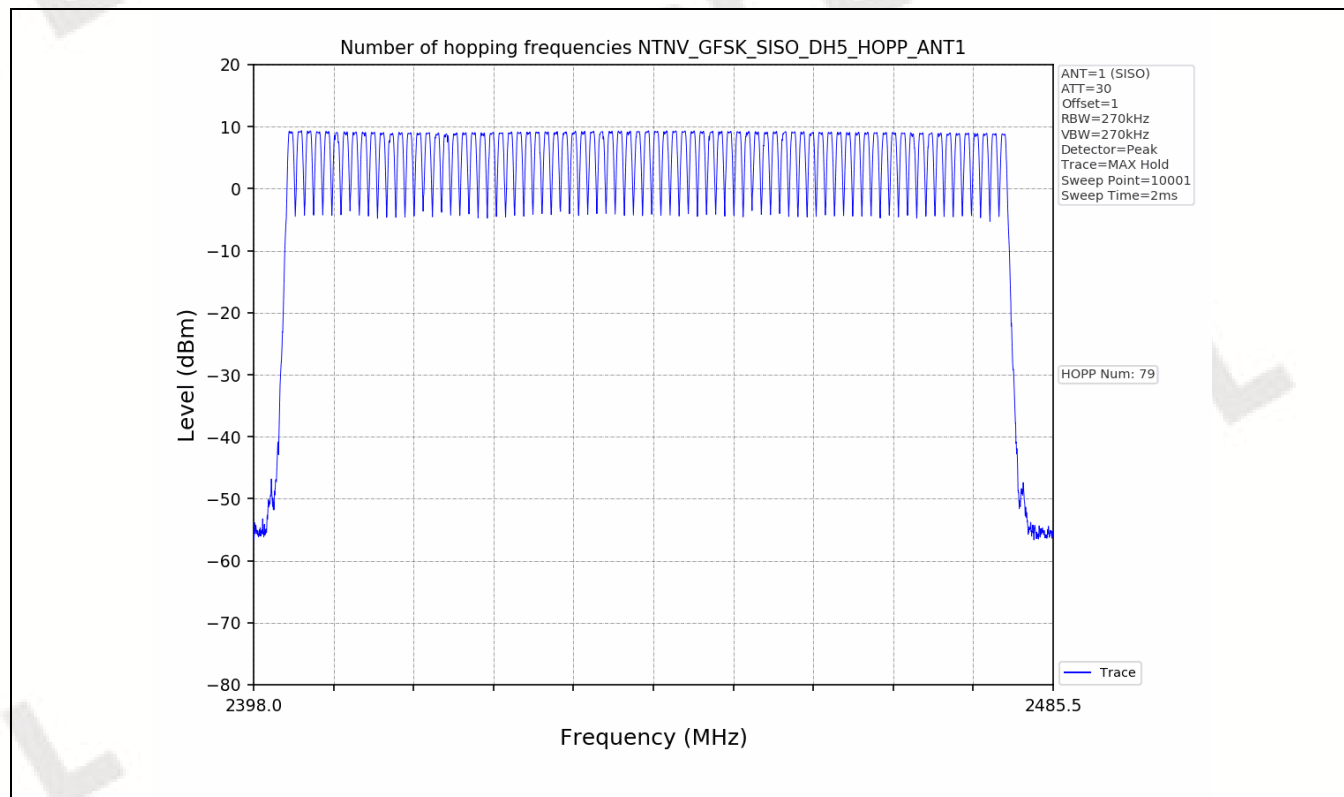


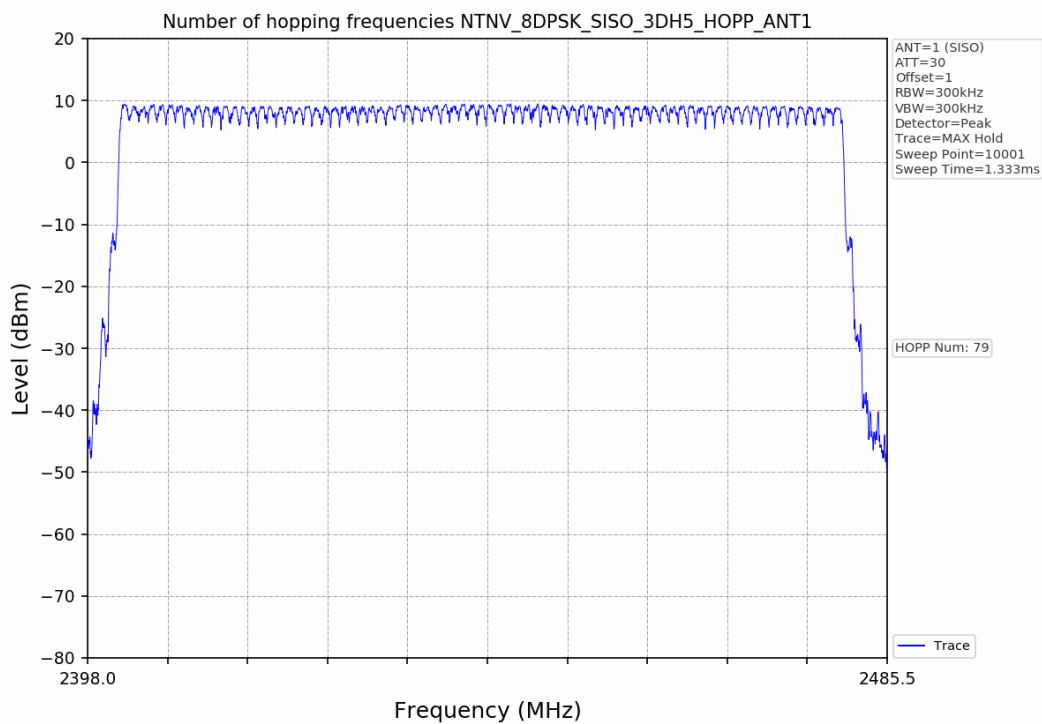
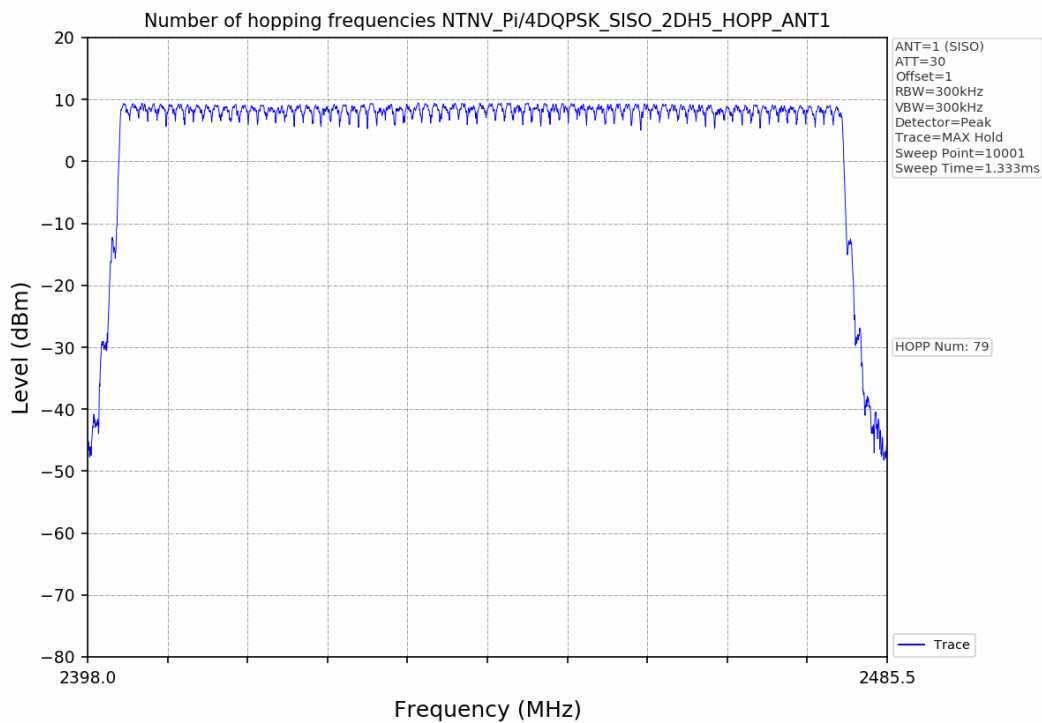
4. Number of hopping frequencies

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



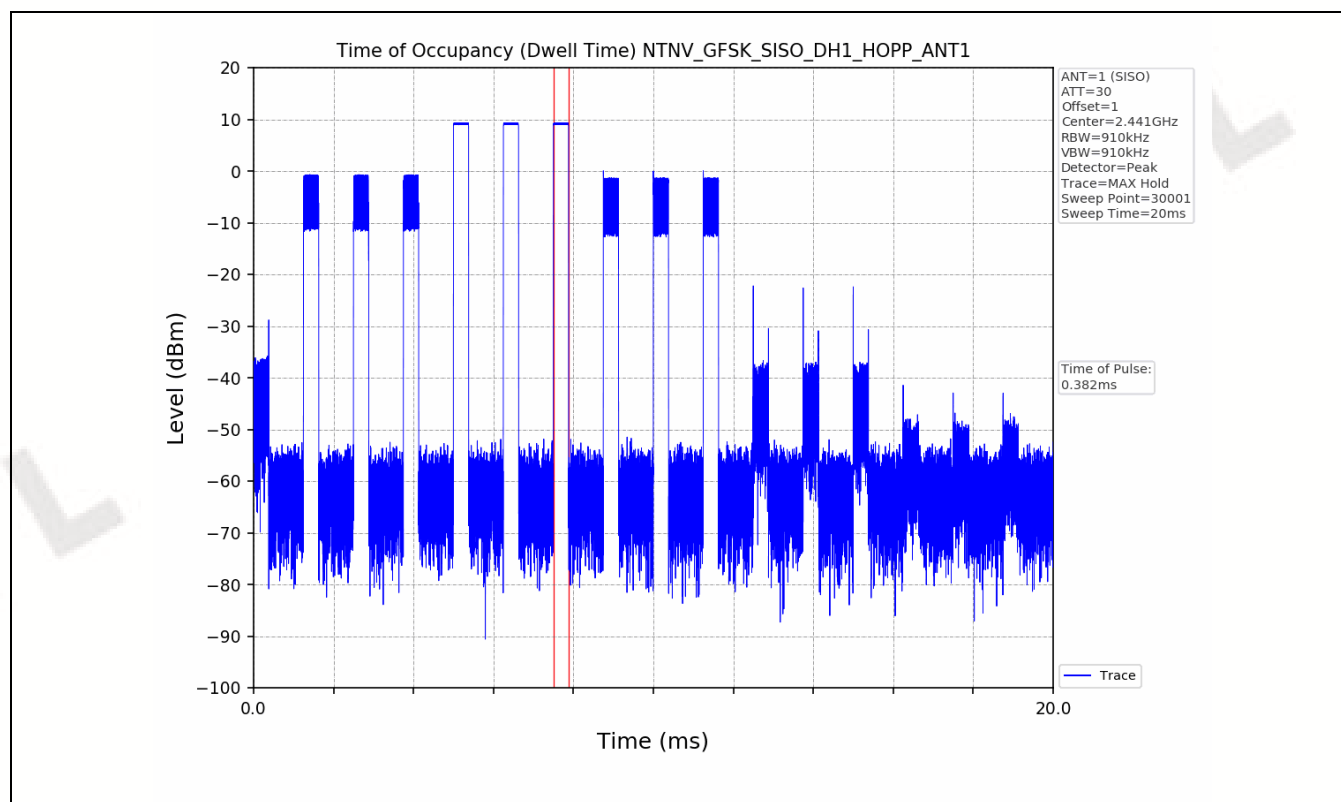


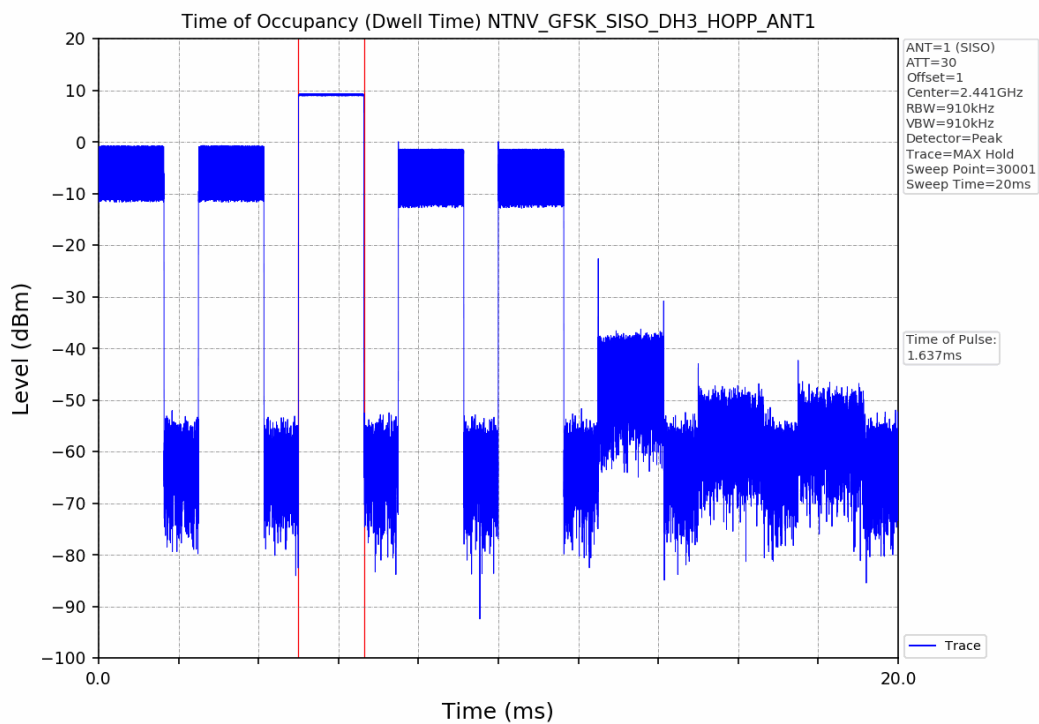
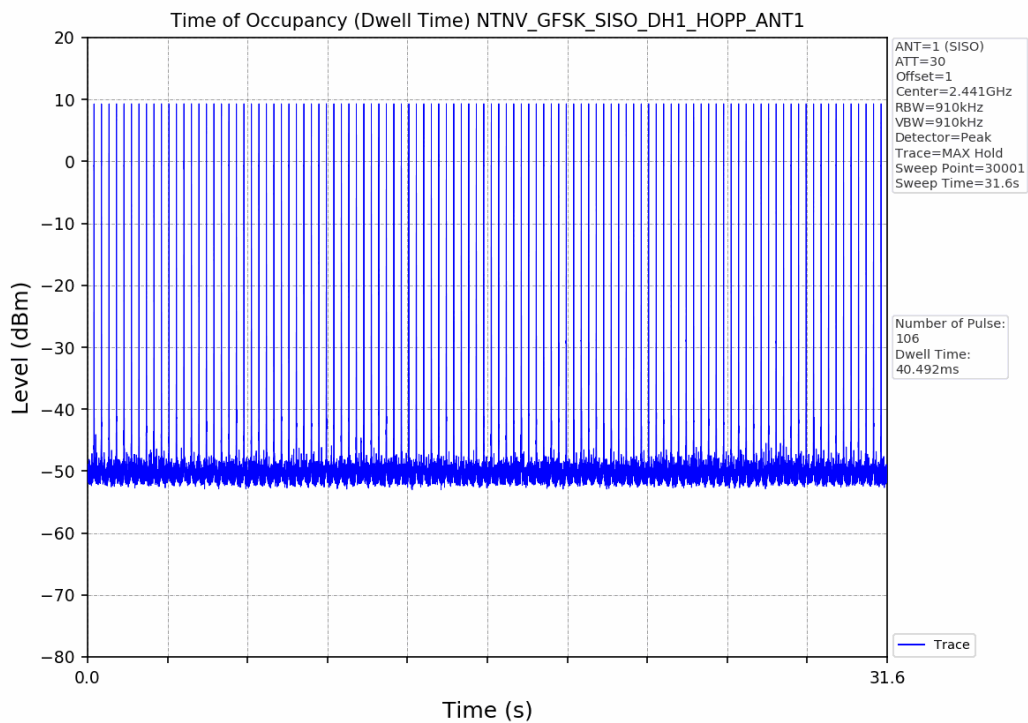
5. Time of Occupancy (Dwell Time)

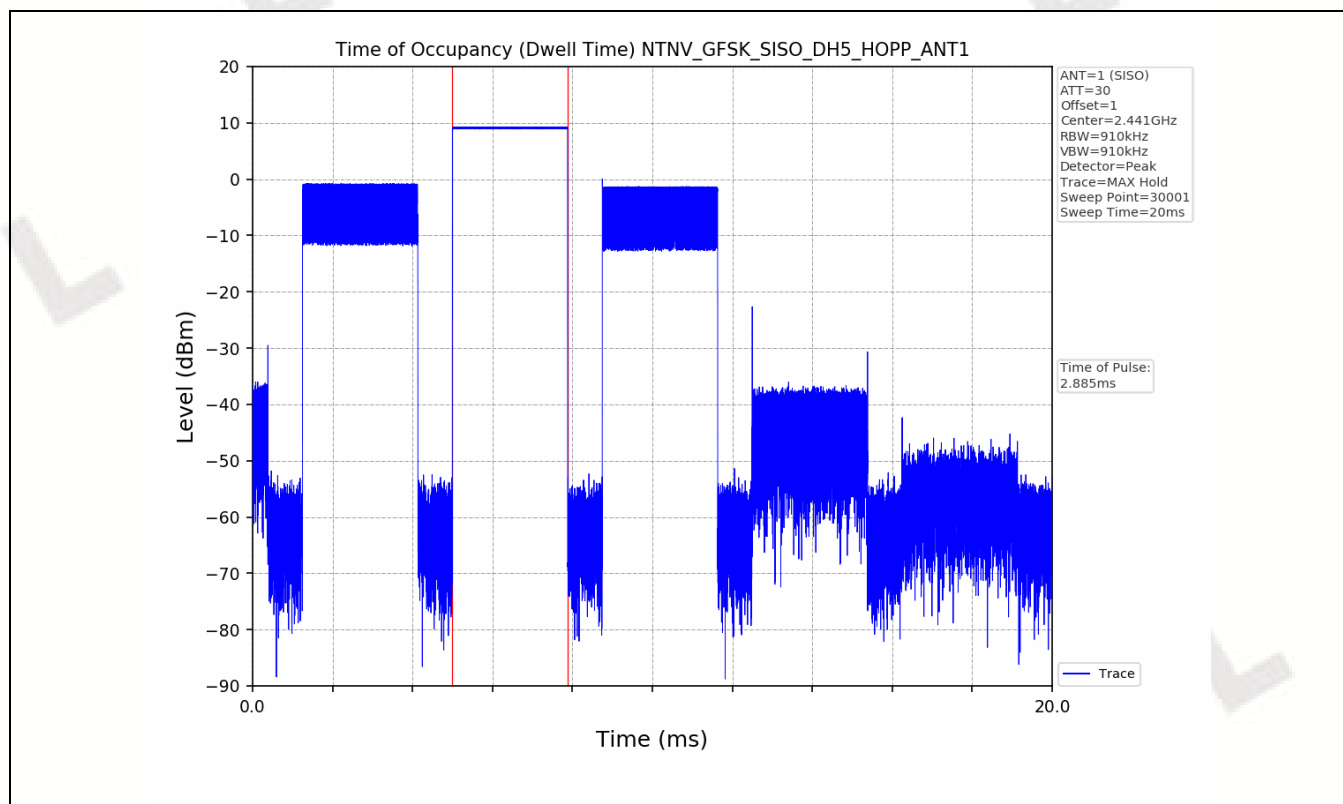
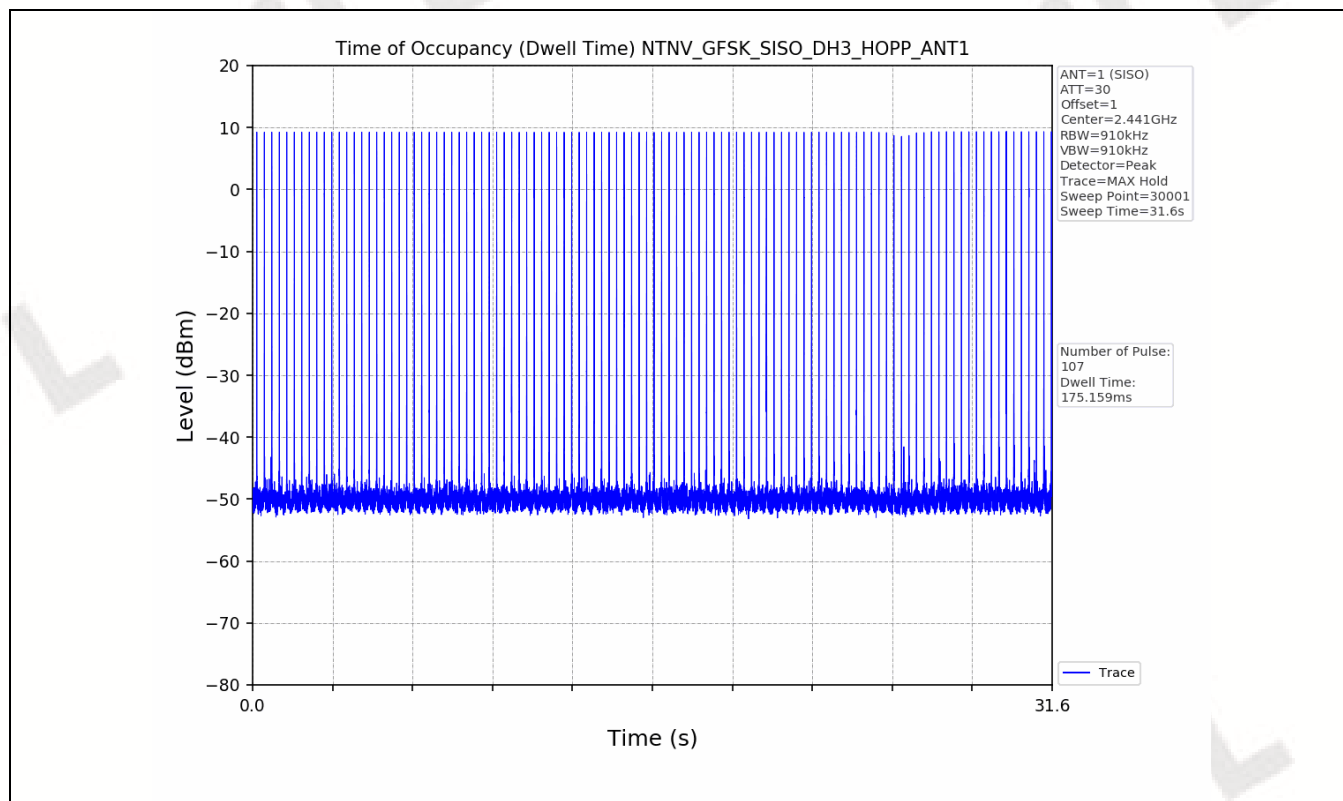
5.1 Test Result

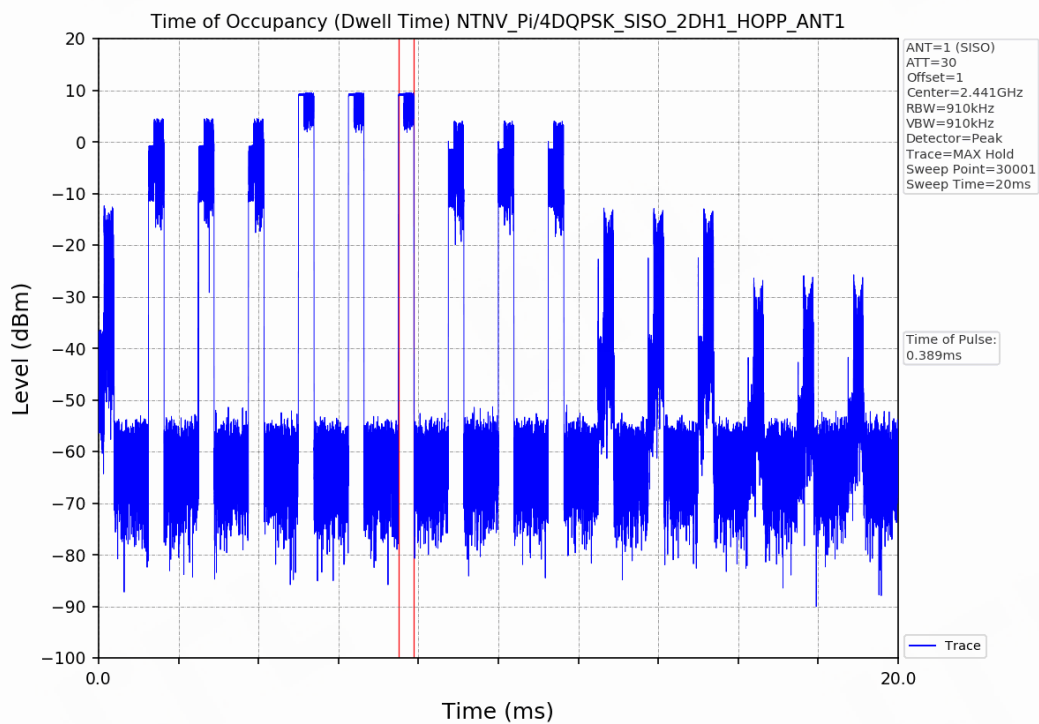
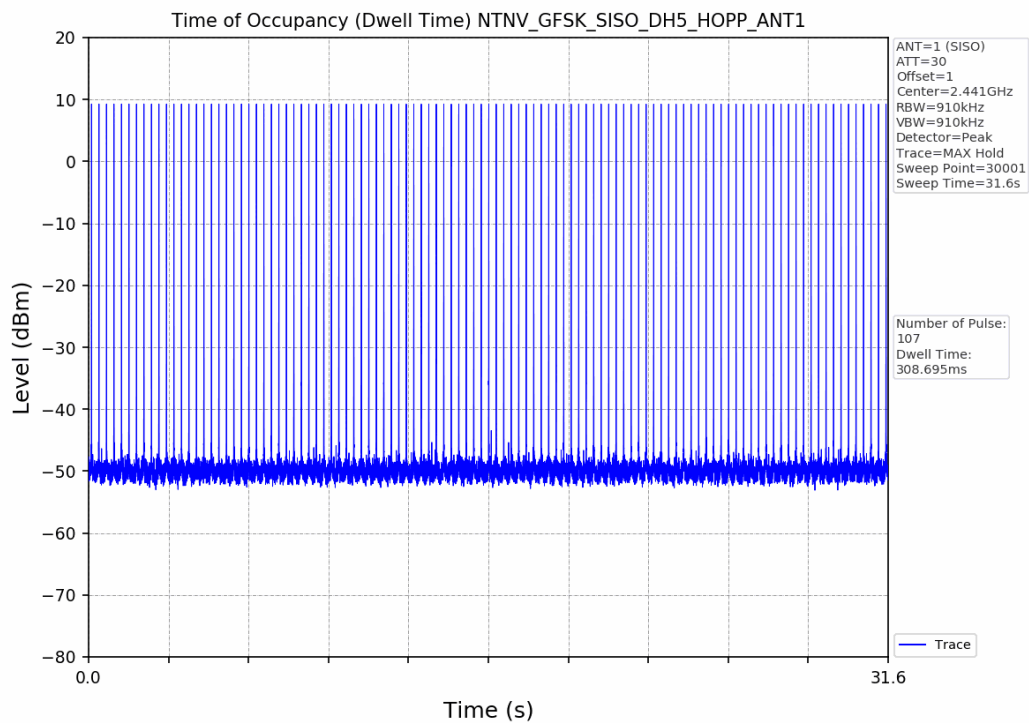
Test Mode	Packet Type	TX Type	ANT No.	Duration of Single Pulse (ms)	Obeservation Period (s)	Num of Pulse in Observation Period	Dwell Time (ms)	Limits (ms)	Verdict
GFSK	DH1	SISO	1	0.382	31.6	106	40.492	≤400	PASS
	DH3	SISO	1	1.637	31.6	107	175.159	≤400	PASS
	DH5	SISO	1	2.885	31.6	107	308.695	≤400	PASS
Pi/4DQ PSK	2DH1	SISO	1	0.389	31.6	107	41.623	≤400	PASS
	2DH3	SISO	1	1.640	31.6	107	175.480	≤400	PASS
	2DH5	SISO	1	2.888	31.6	107	309.016	≤400	PASS
8DPSK	3DH1	SISO	1	0.389	31.6	106	41.234	≤400	PASS
	3DH3	SISO	1	1.639	31.6	107	175.373	≤400	PASS
	3DH5	SISO	1	2.891	31.6	107	309.337	≤400	PASS

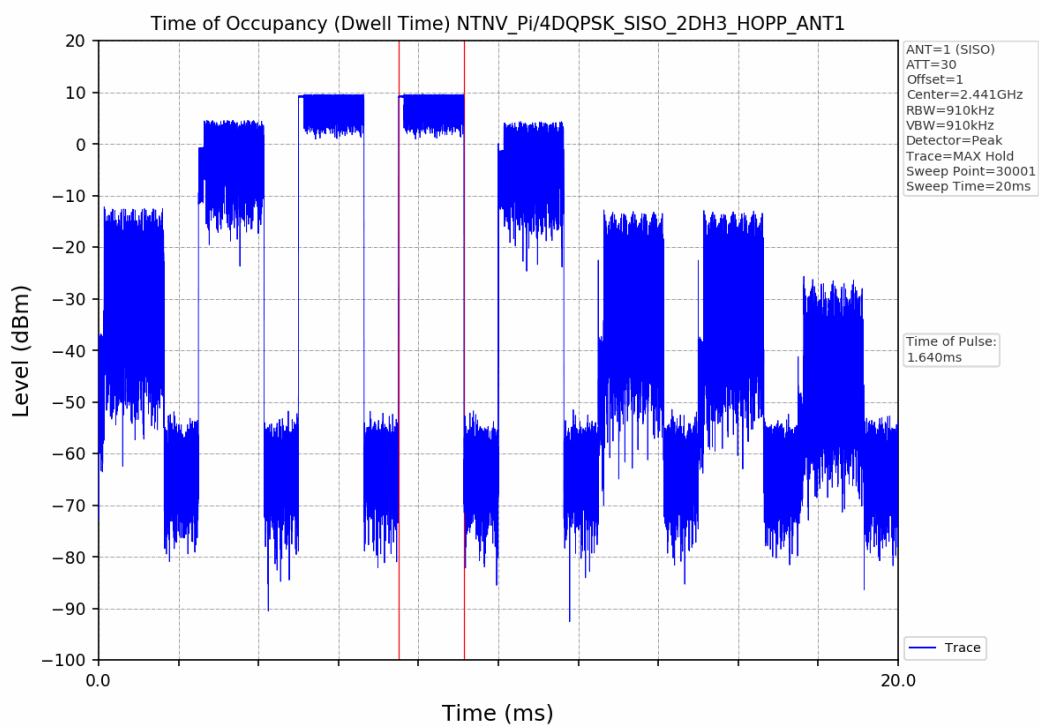
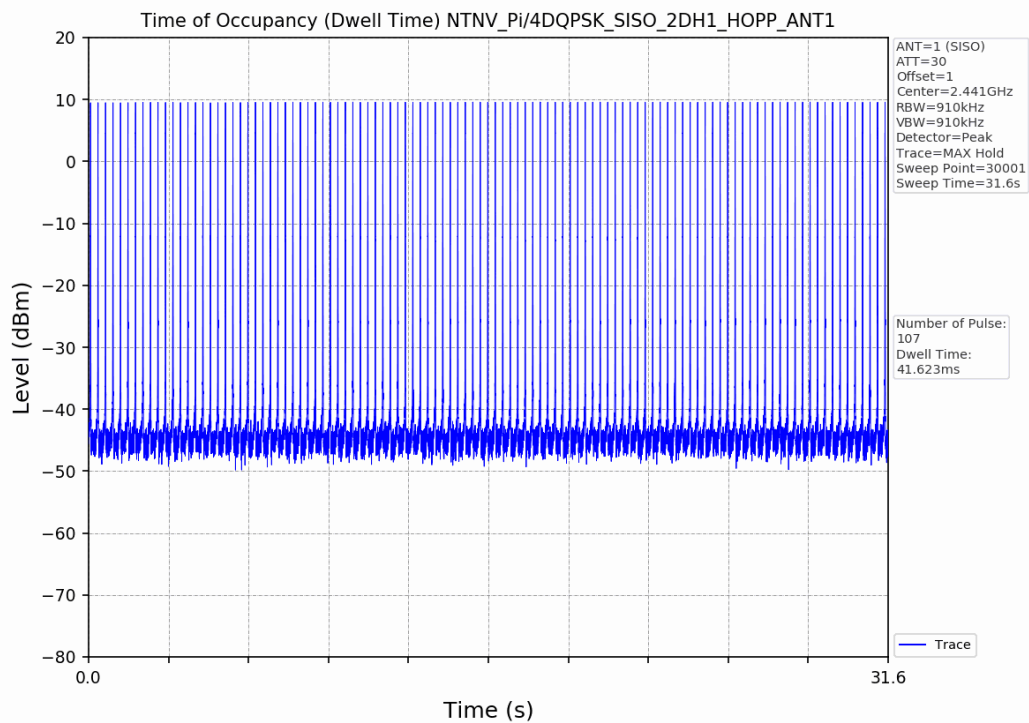
5.2 Test Graph

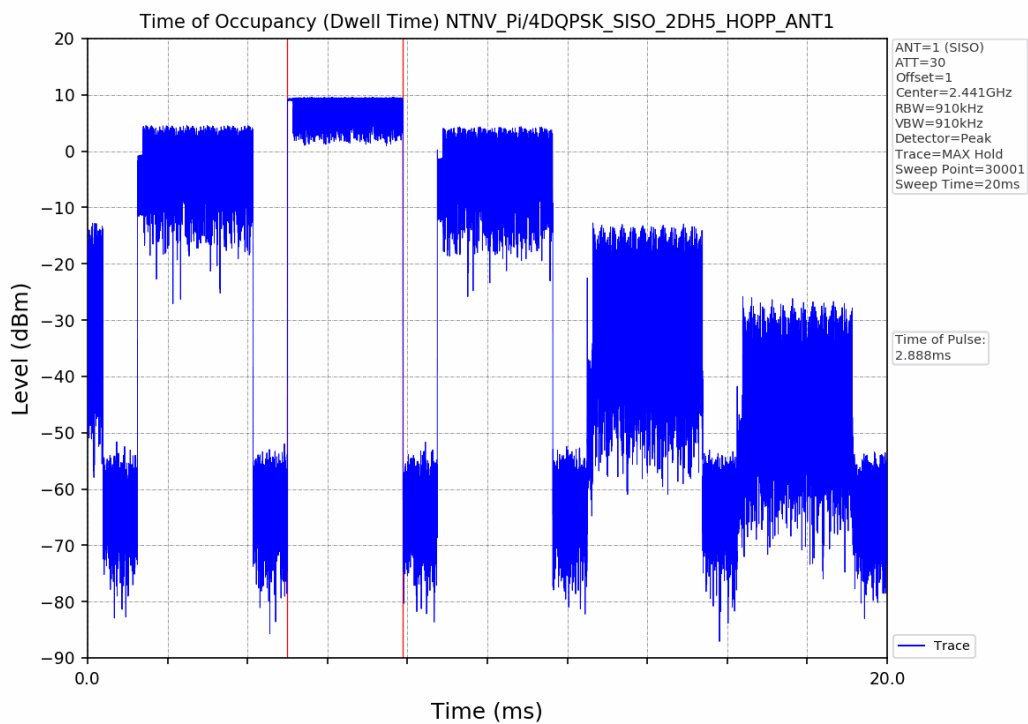
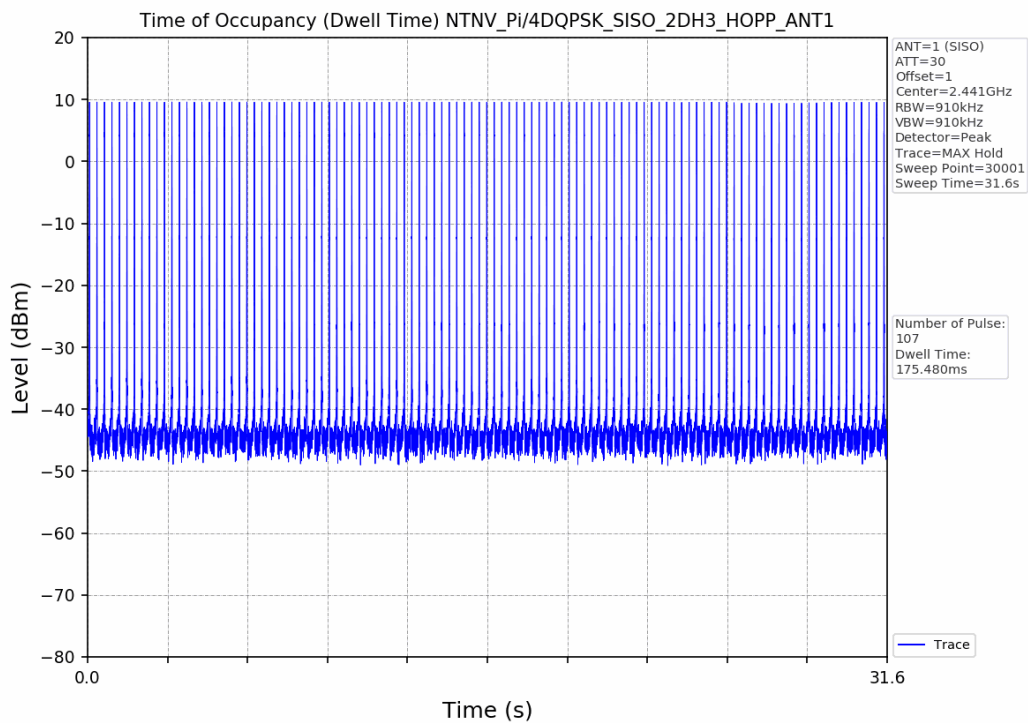


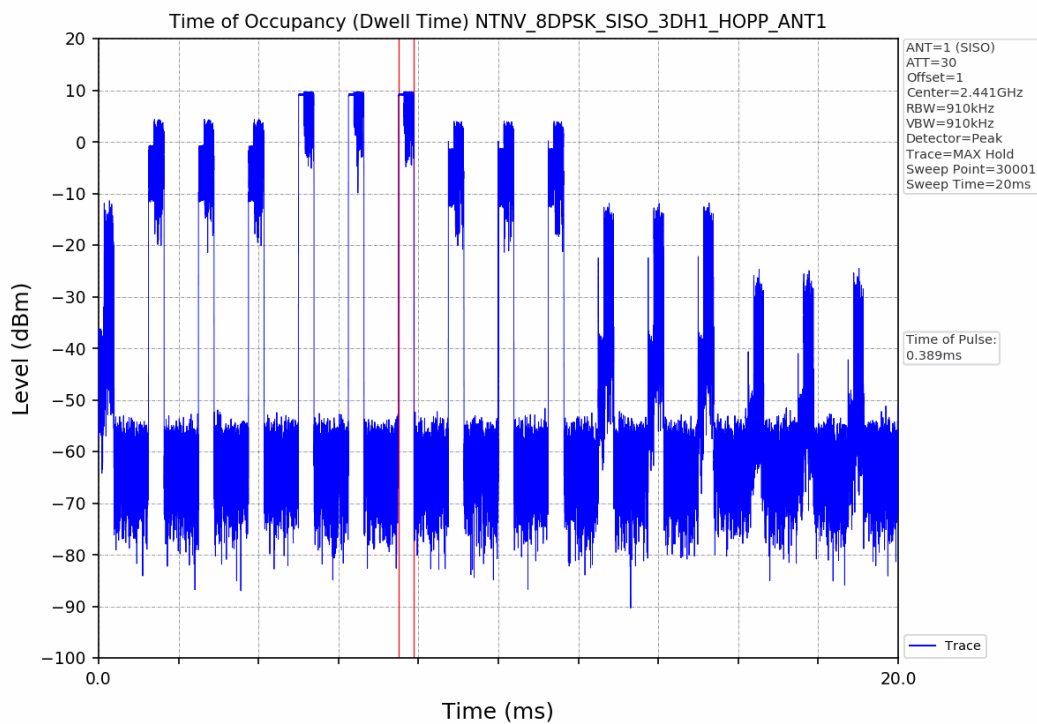
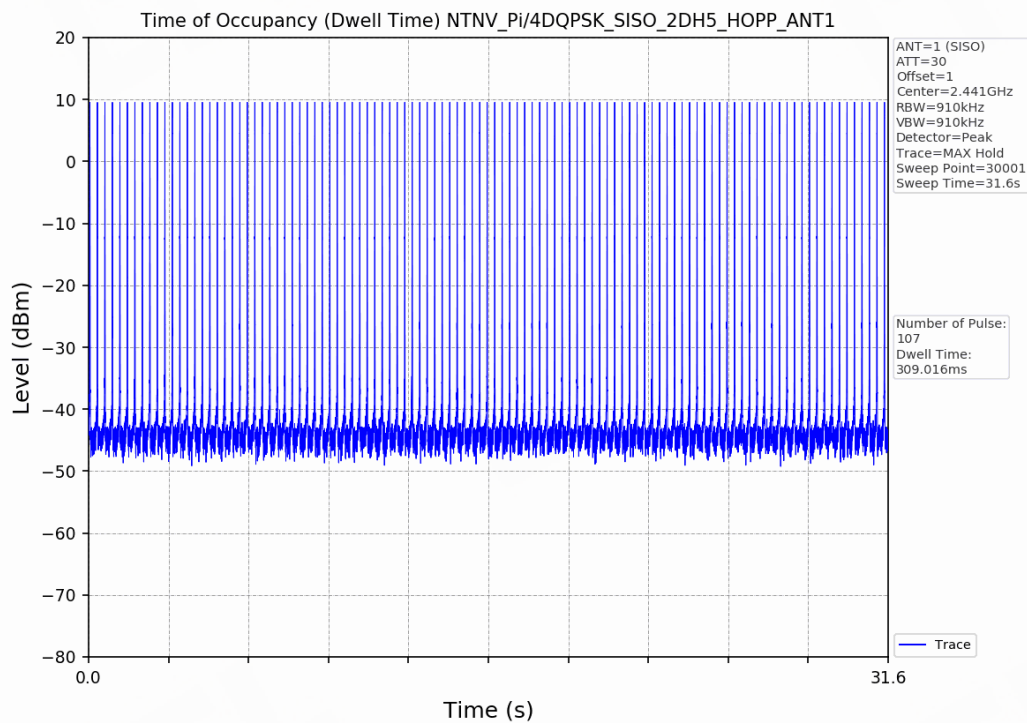


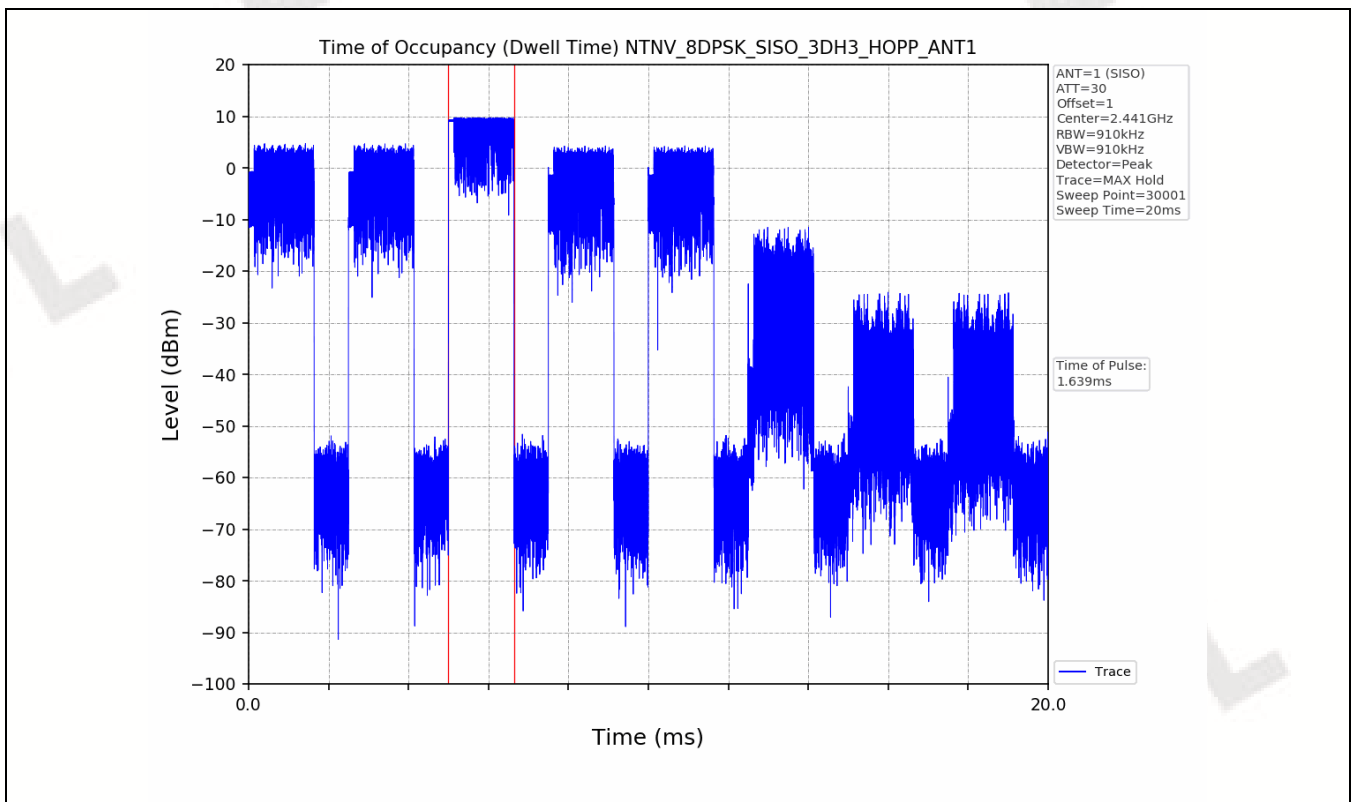
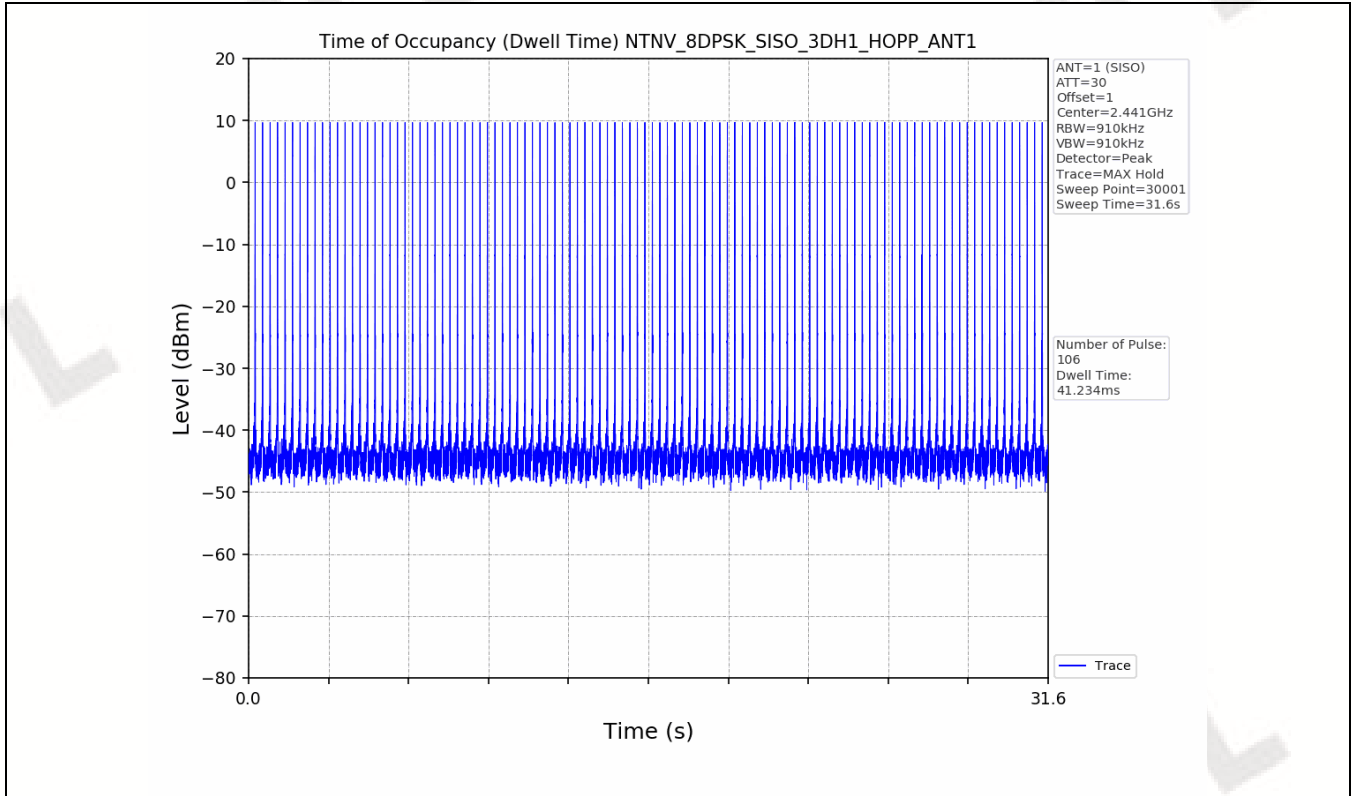


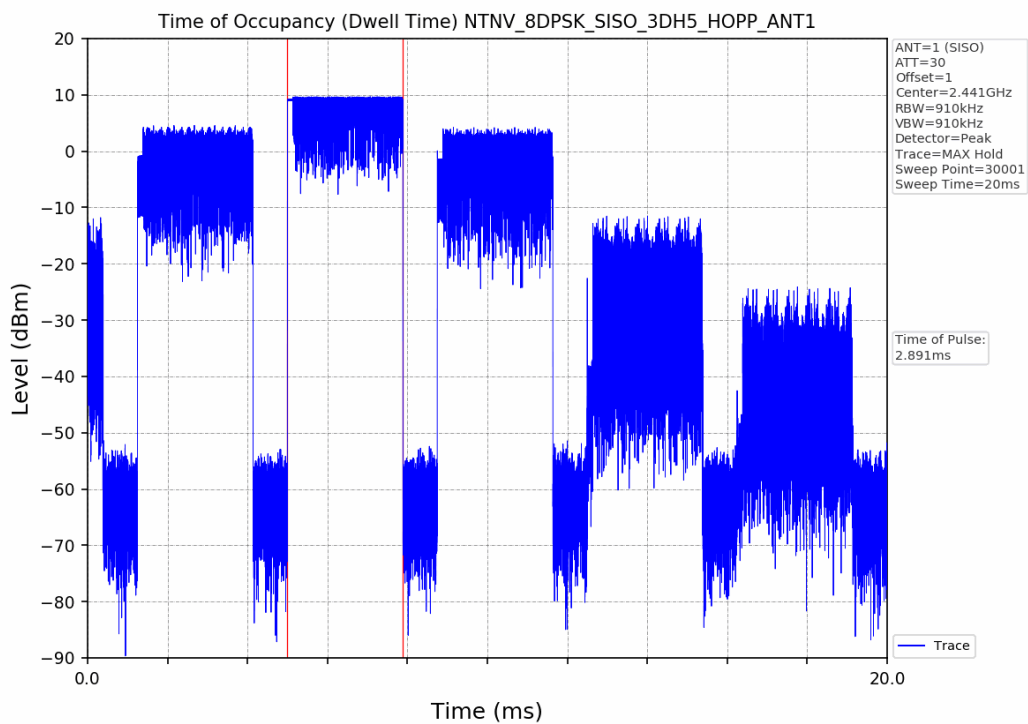
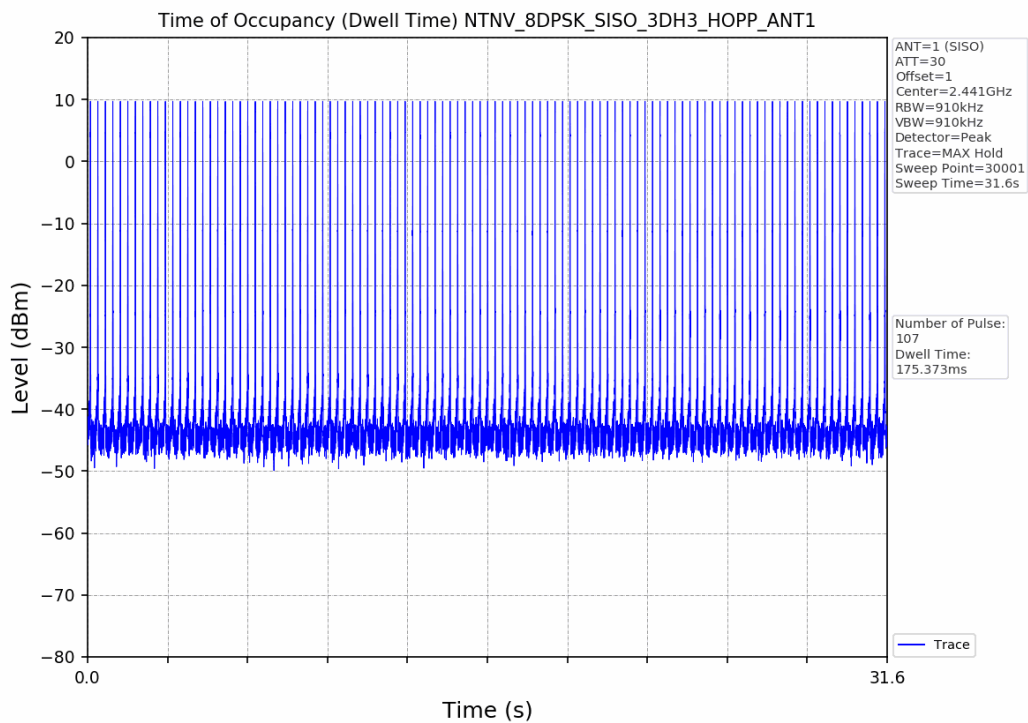


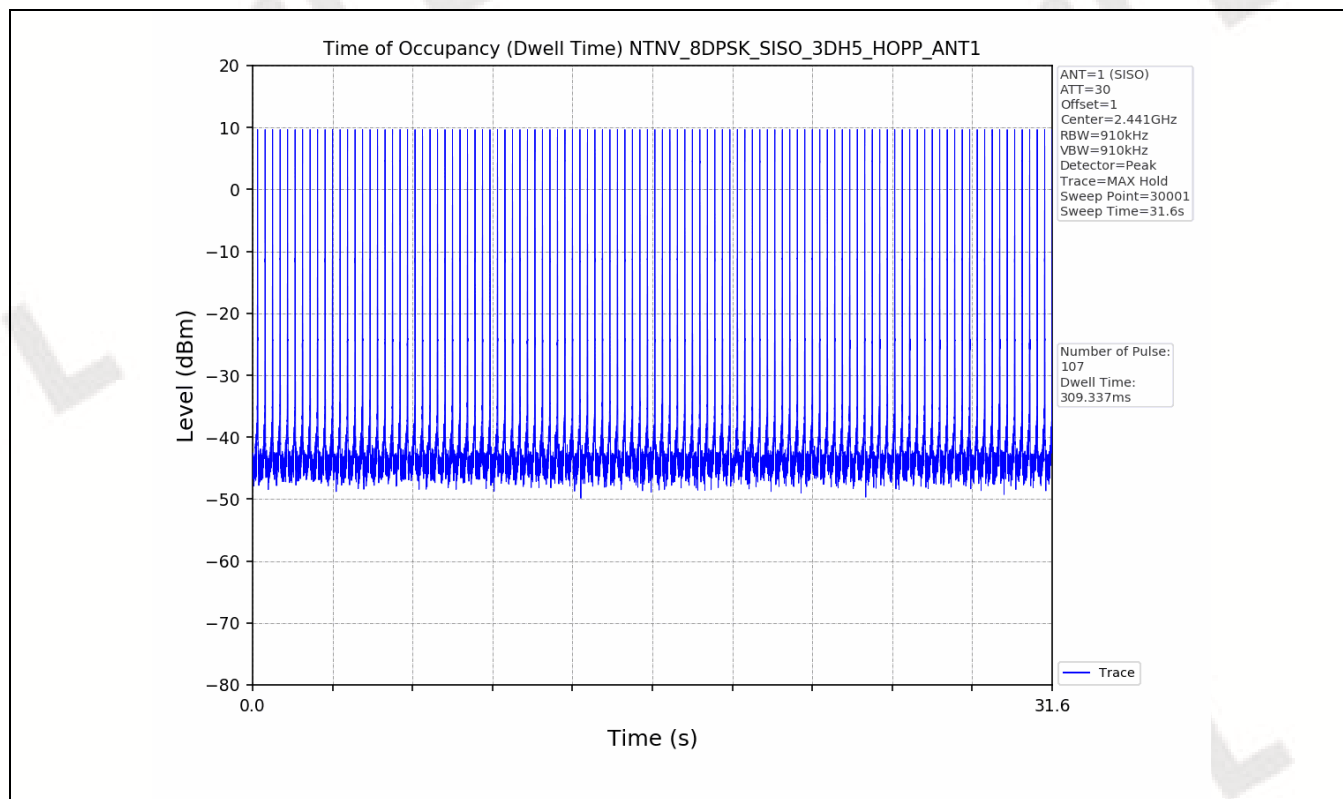












6. Unwanted Emissions in Non-restricted Frequency Bands

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	-10.92	PASS
	2441	SISO	1	Refer to test graph	-10.92	PASS
	2480	SISO	1	Refer to test graph	-10.92	PASS
	Hopping	SISO	1	Refer to test graph	-10.92	PASS
Pi/4DQPSK	2402	SISO	1	Refer to test graph	-10.91	PASS
	2441	SISO	1	Refer to test graph	-10.91	PASS
	2480	SISO	1	Refer to test graph	-10.91	PASS
	Hopping	SISO	1	Refer to test graph	-10.91	PASS
8DPSK	2402	SISO	1	Refer to test graph	-10.97	PASS
	2441	SISO	1	Refer to test graph	-10.97	PASS
	2480	SISO	1	Refer to test graph	-10.97	PASS
	Hopping	SISO	1	Refer to test graph	-10.97	PASS

6.2 Test Graph

