

Appendix for 15.247

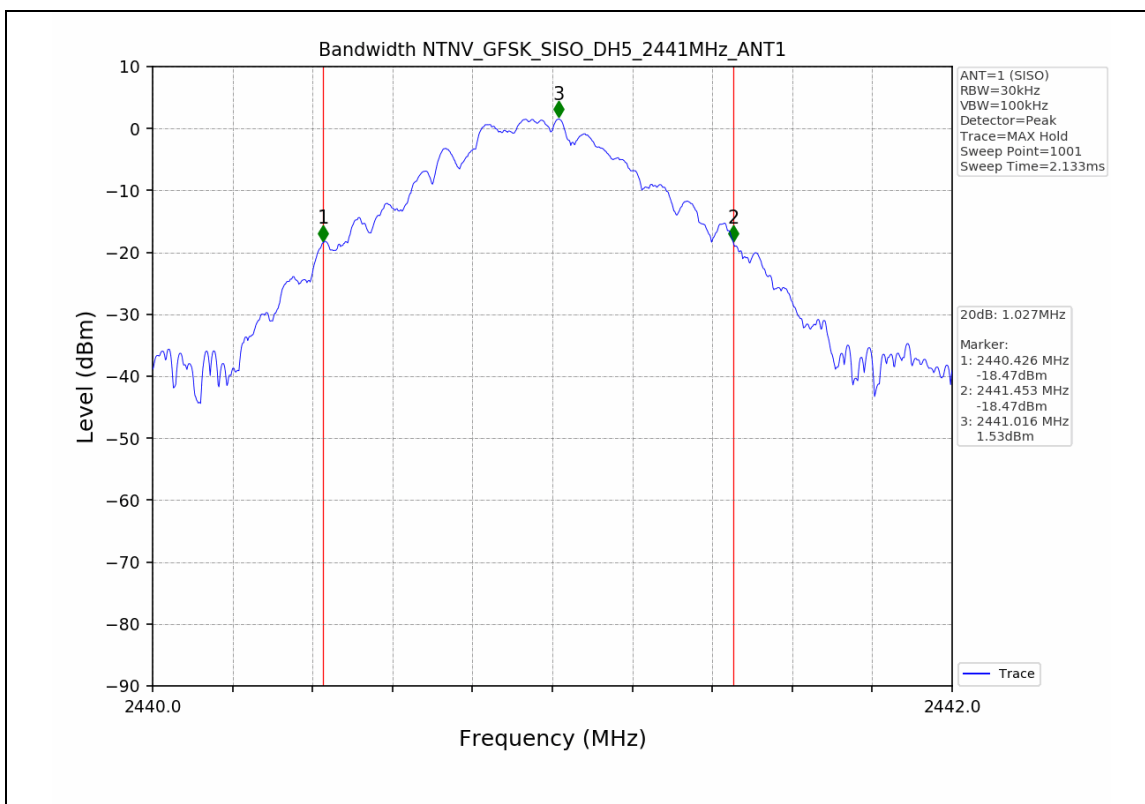
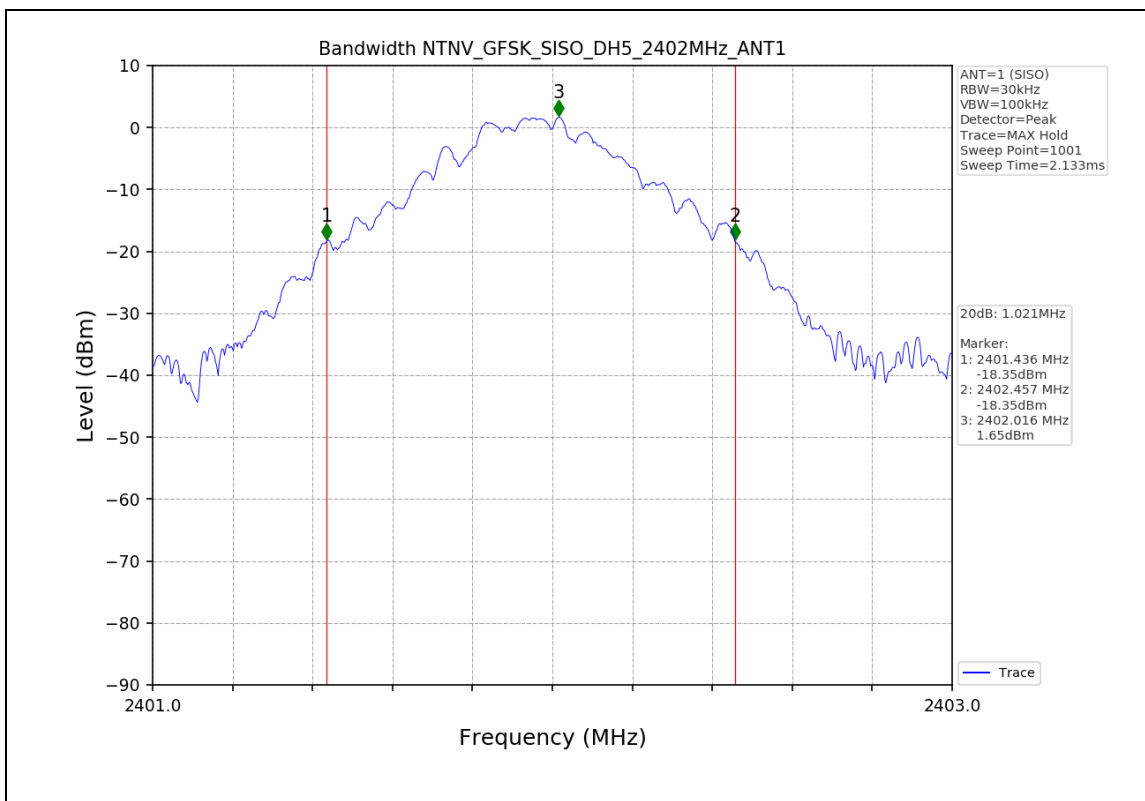
1. Bandwidth

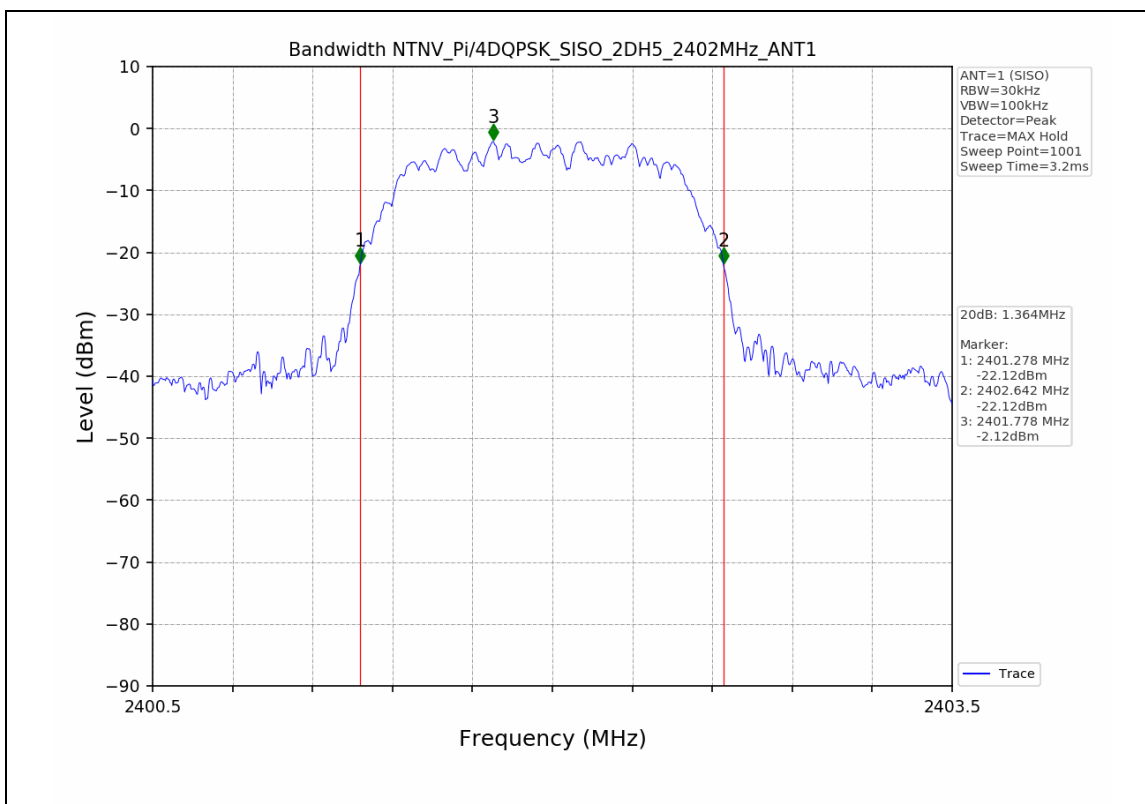
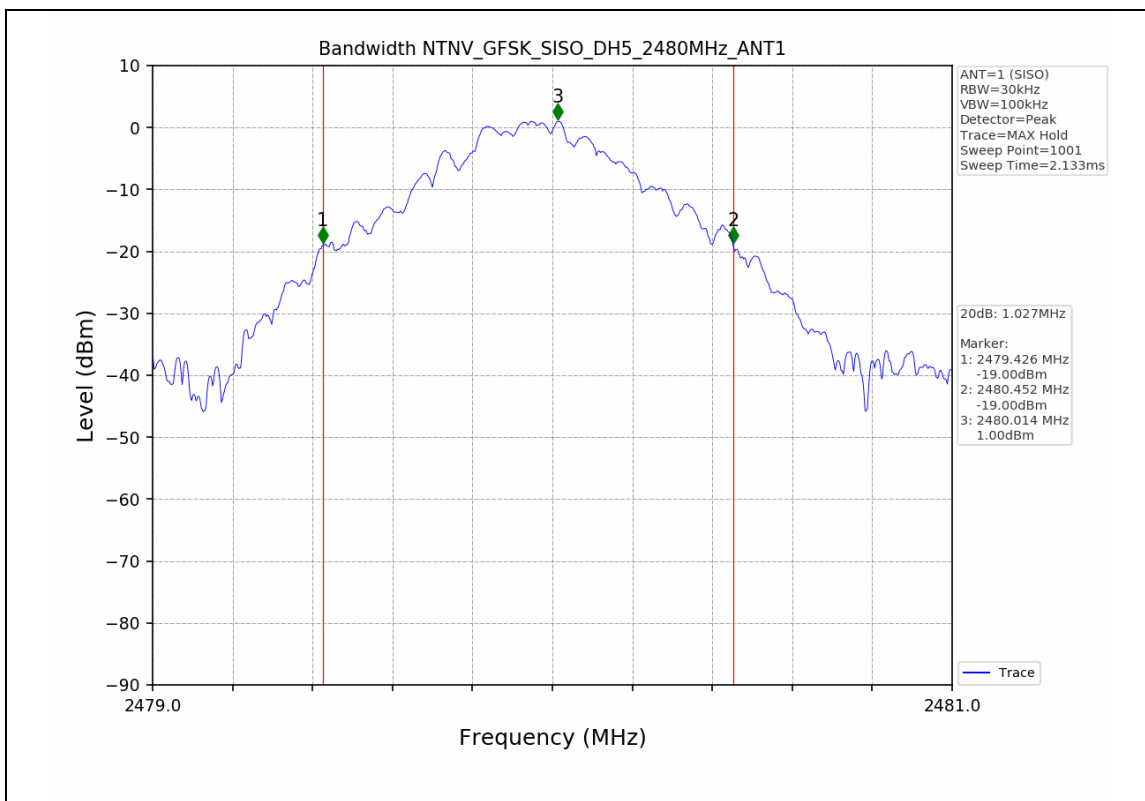
1.1 Test Result

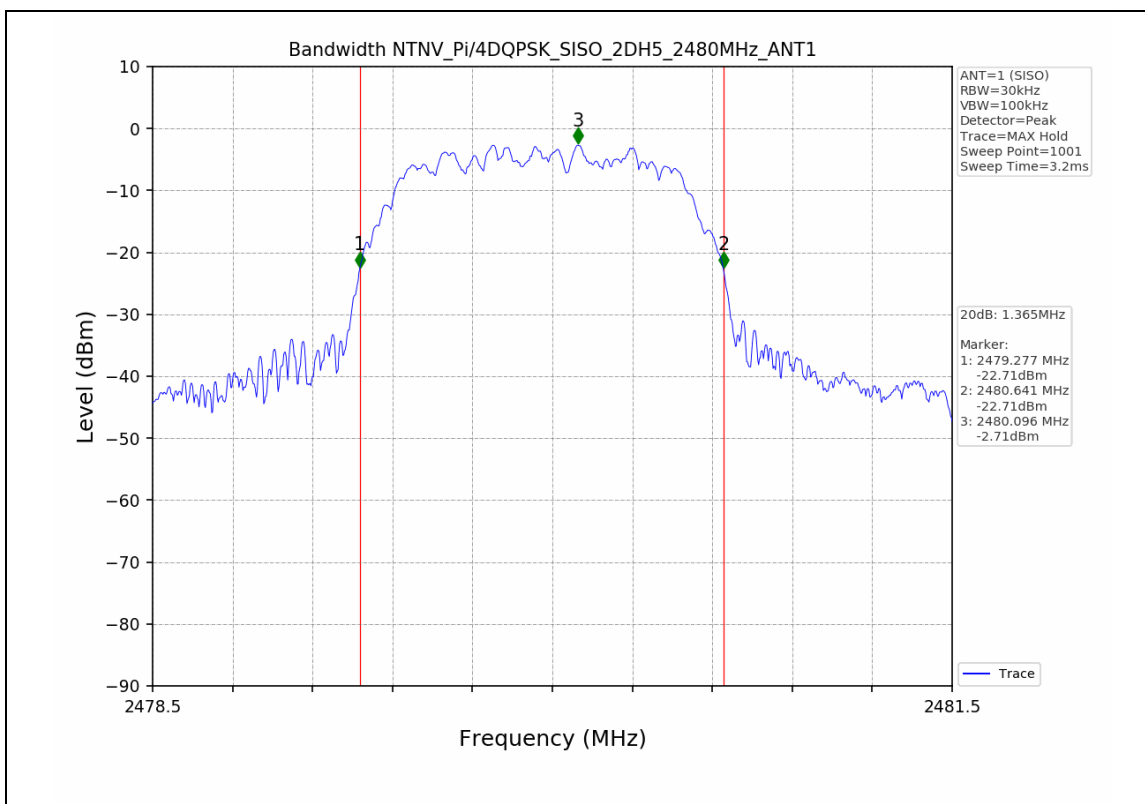
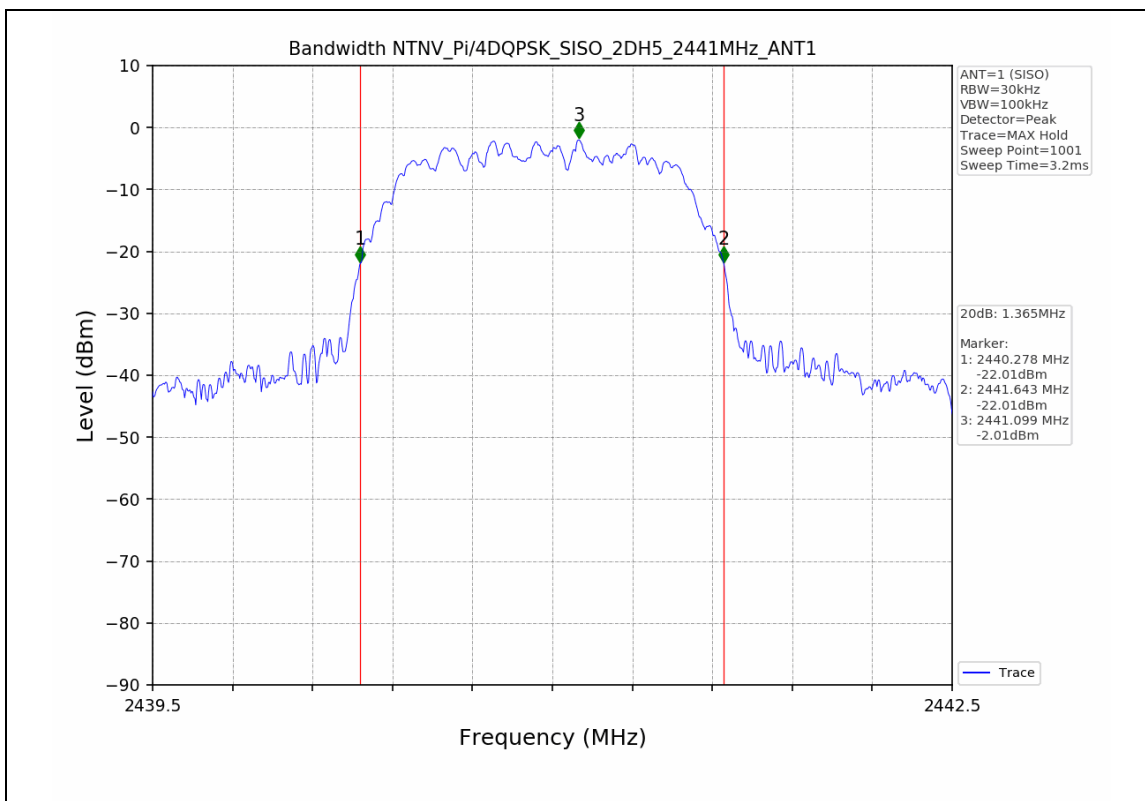
Test Mode	Frequency (MHz)	TX Type	ANT No.	20dB Bandwidth	Verdict
				Test Result (MHz)	
GFSK	2402	SISO	1	1.021	PASS
	2441	SISO	1	1.027	PASS
	2480	SISO	1	1.027	PASS
Pi/4DQPSK	2402	SISO	1	1.364	PASS
	2441	SISO	1	1.365	PASS
	2480	SISO	1	1.365	PASS
8DPSK	2402	SISO	1	1.347	PASS
	2441	SISO	1	1.348	PASS
	2480	SISO	1	1.353	PASS

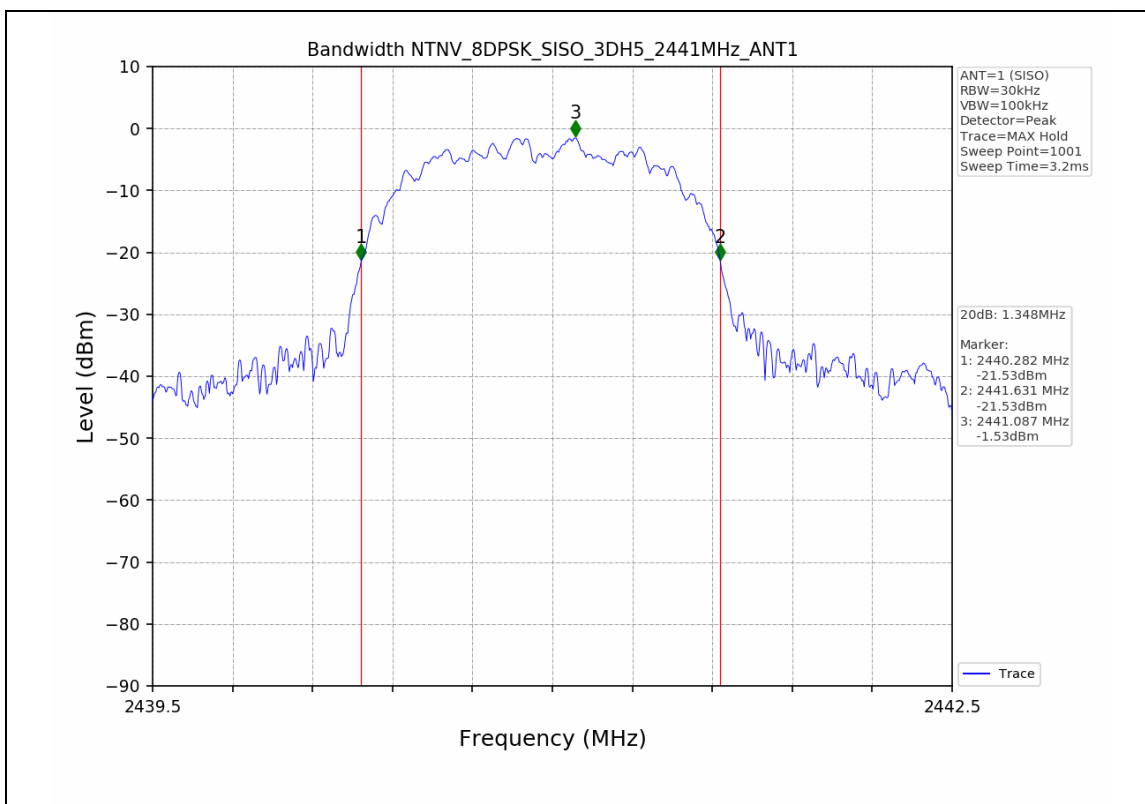
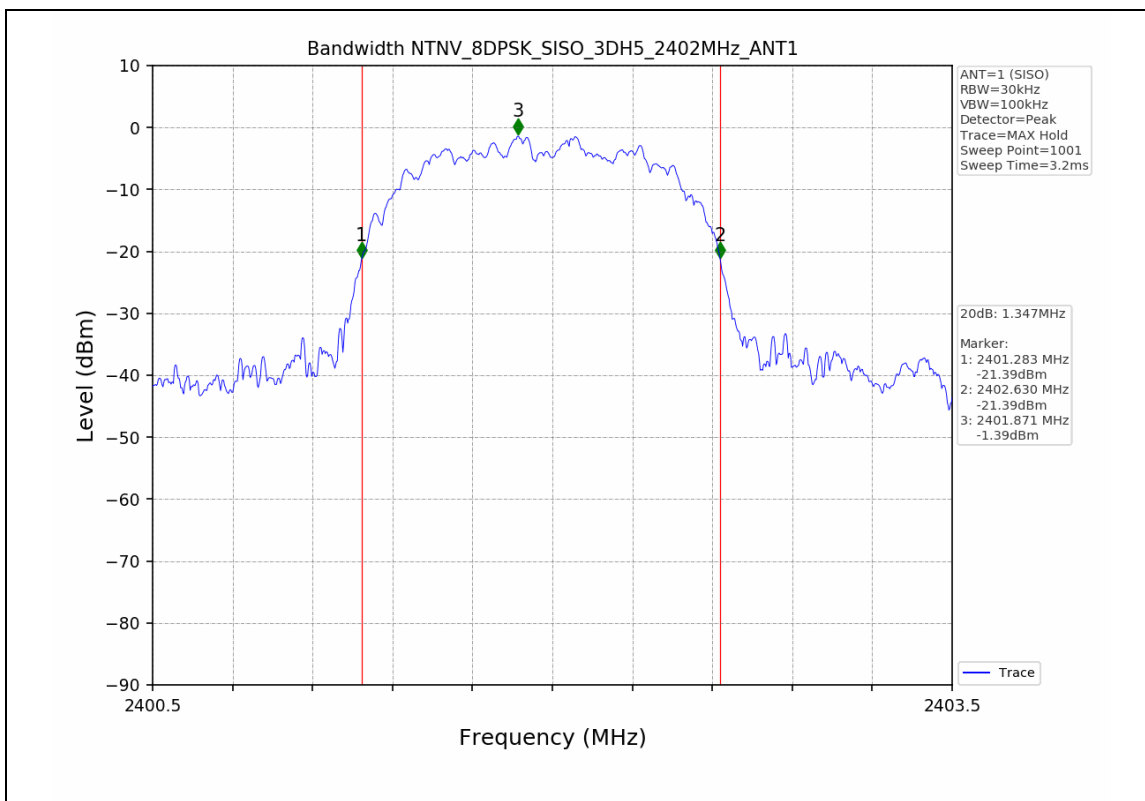
Test Mode	Frequency (MHz)	TX Type	ANT No.	99% Occupied Bandwidth	
				Test Result (MHz)	
GFSK	2402	SISO	1	0.900	Only for Report Use
	2441	SISO	1	0.904	Only for Report Use
	2480	SISO	1	0.900	Only for Report Use
Pi/4DQPSK	2402	SISO	1	1.198	Only for Report Use
	2441	SISO	1	1.195	Only for Report Use
	2480	SISO	1	1.195	Only for Report Use
8DPSK	2402	SISO	1	1.208	Only for Report Use
	2441	SISO	1	1.206	Only for Report Use
	2480	SISO	1	1.204	Only for Report Use

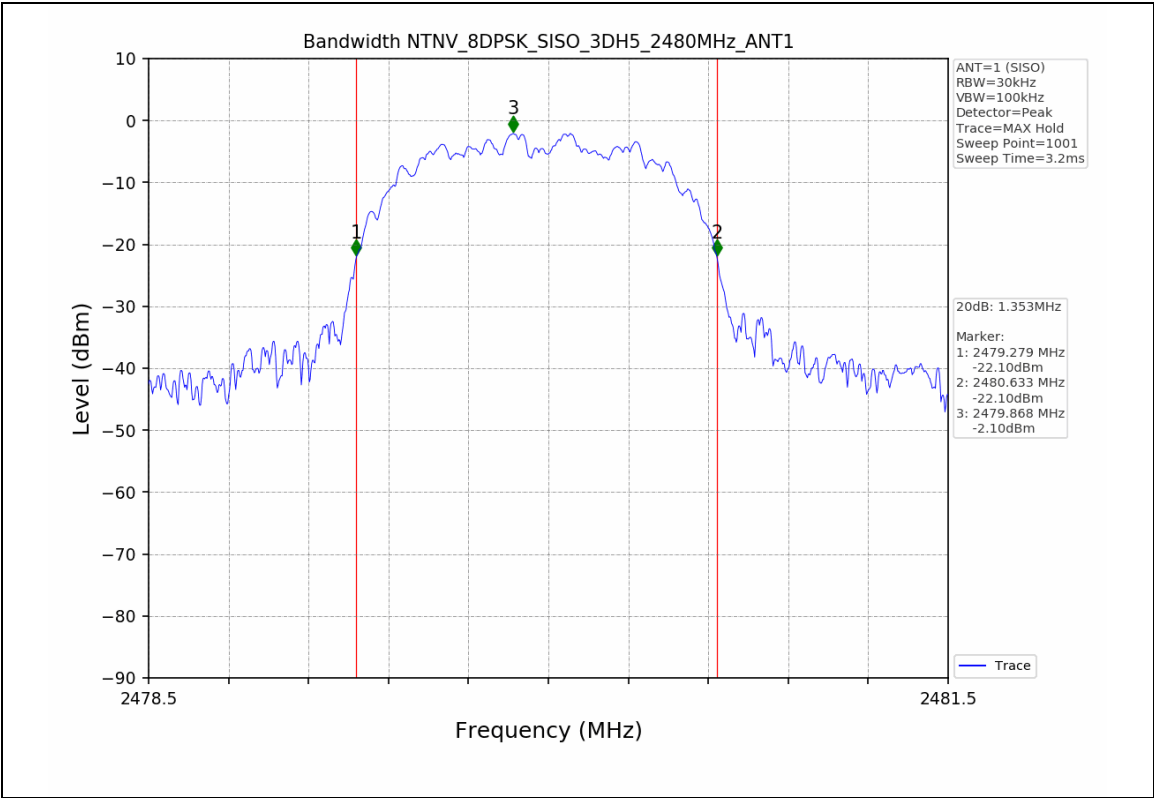
1.2 Test Graph - 20dB Bandwidth



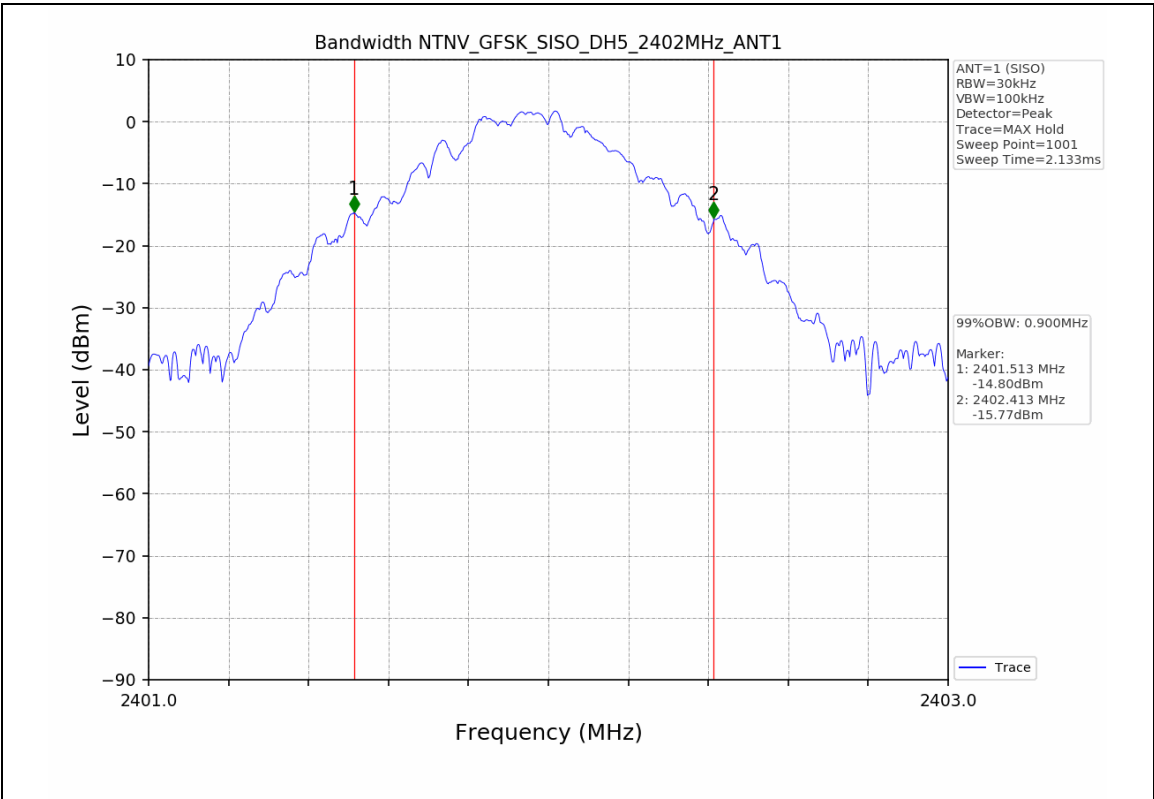


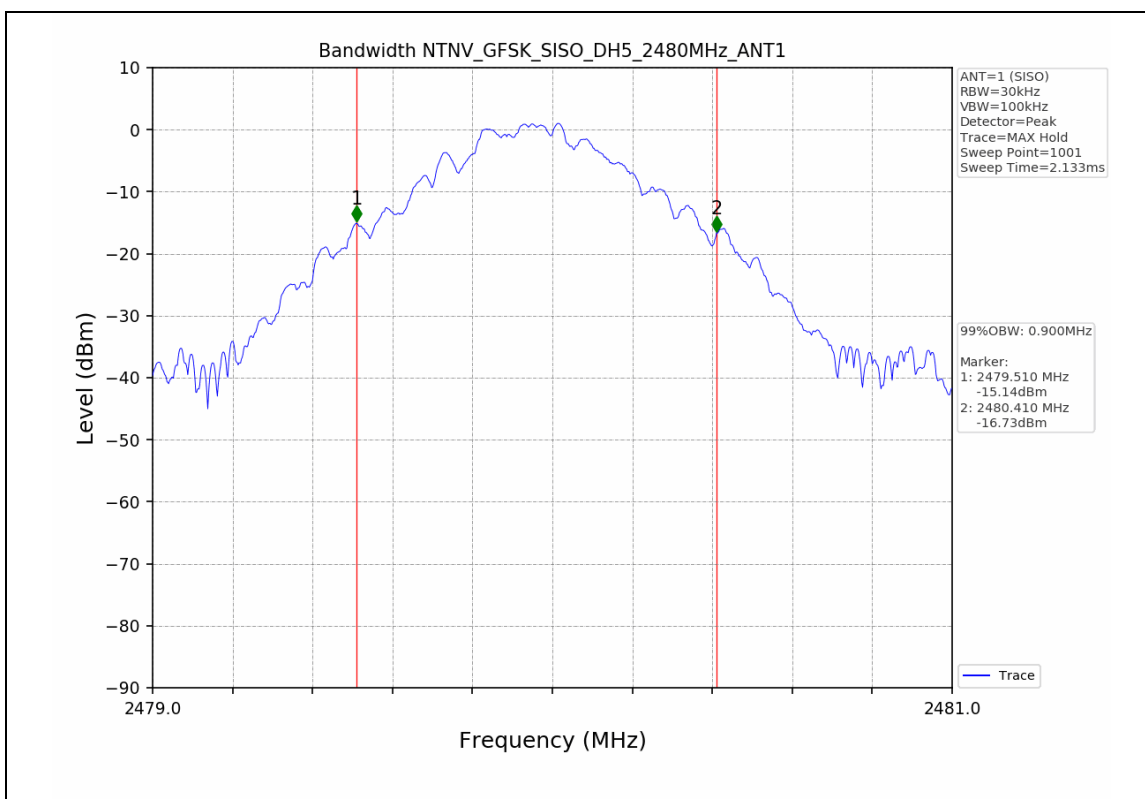
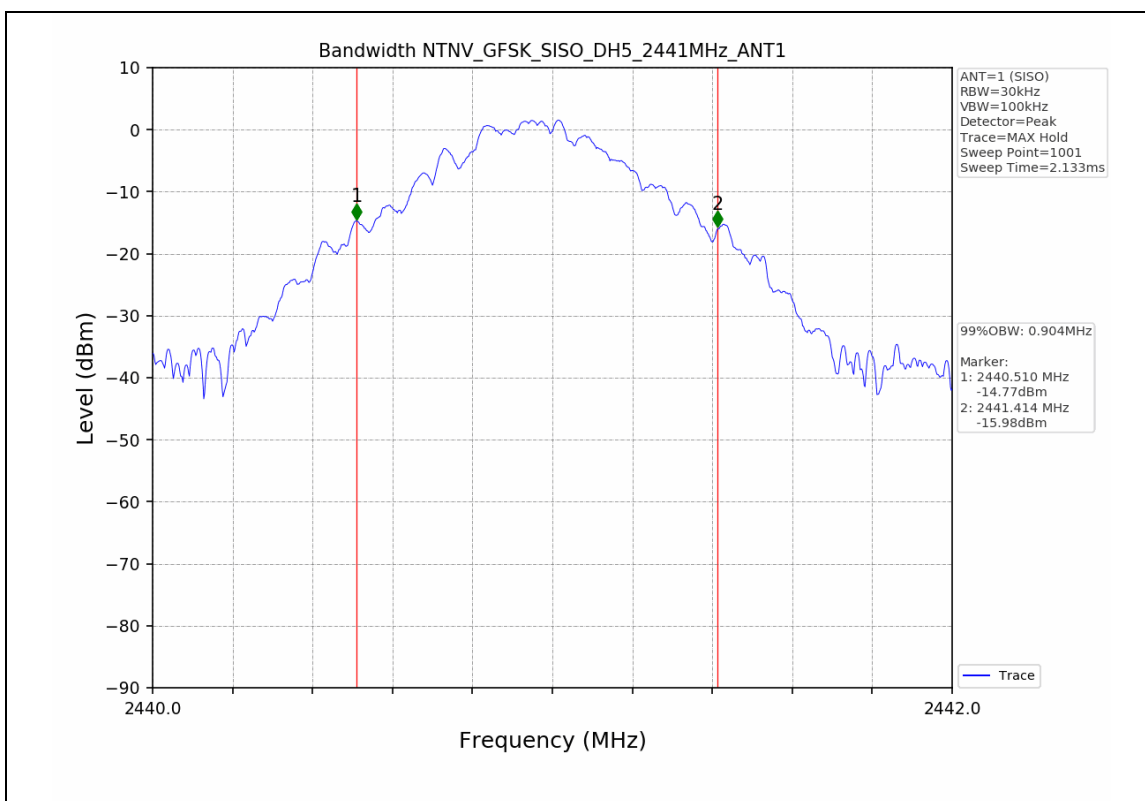


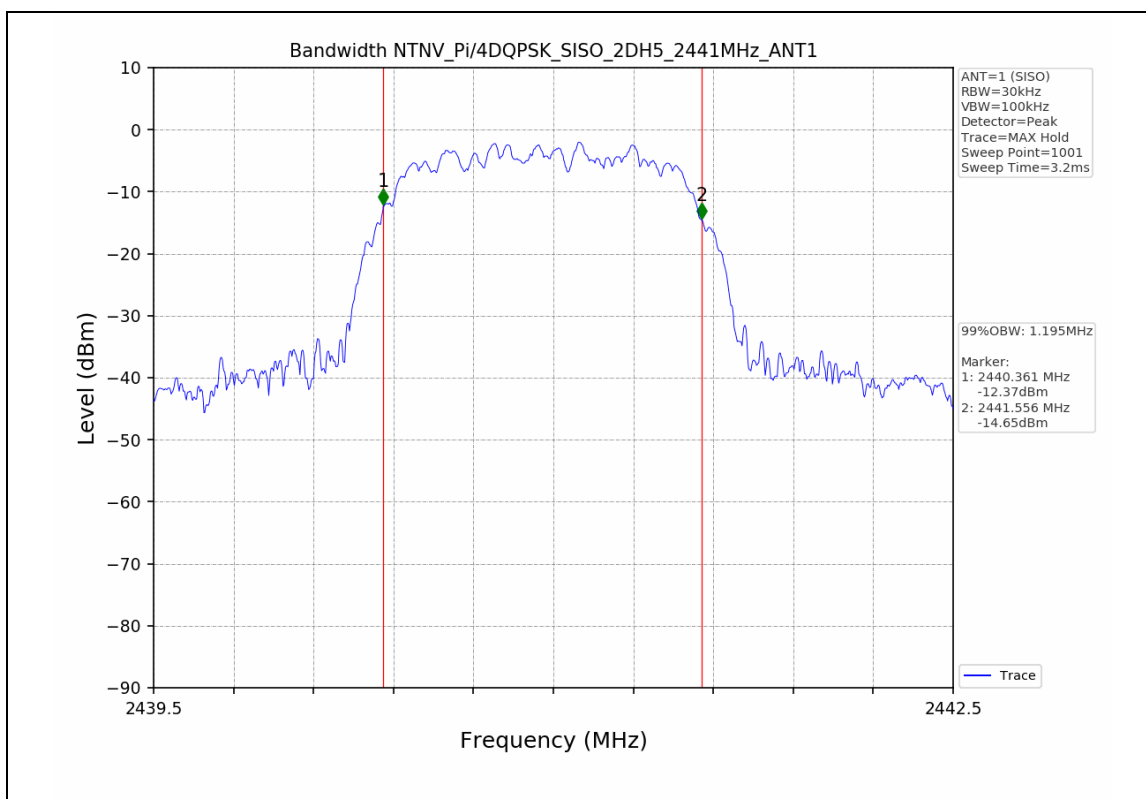
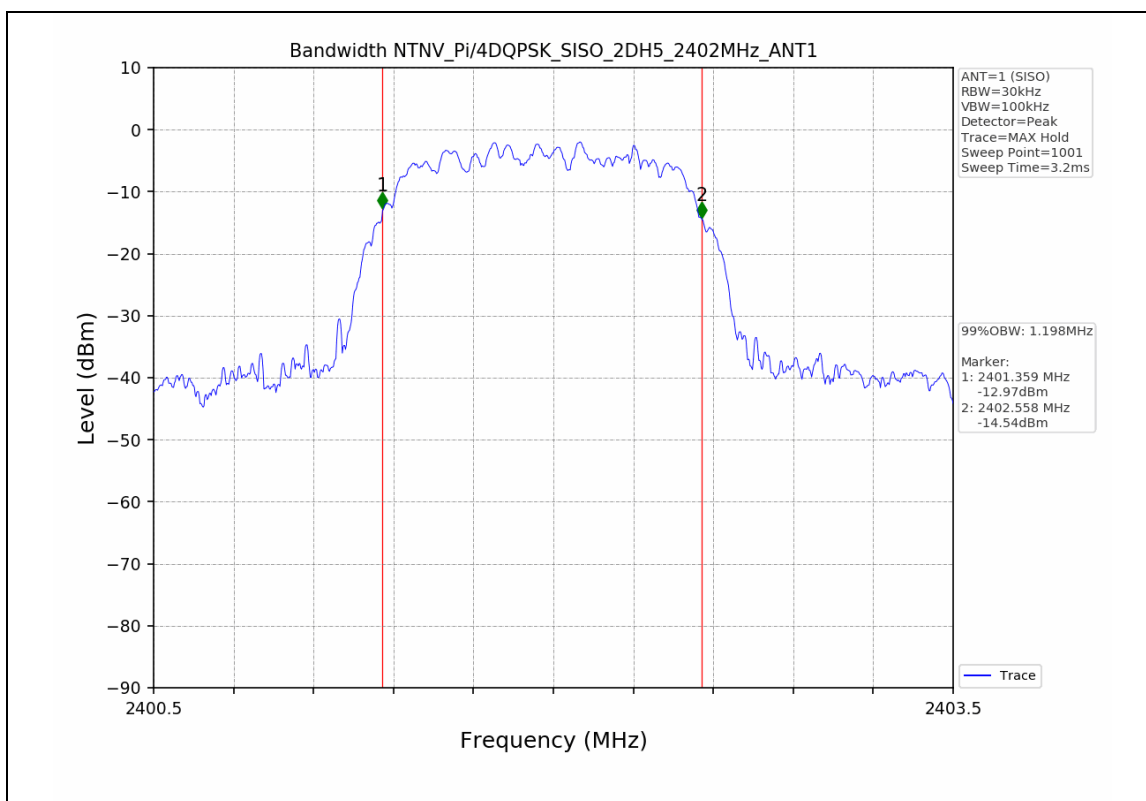


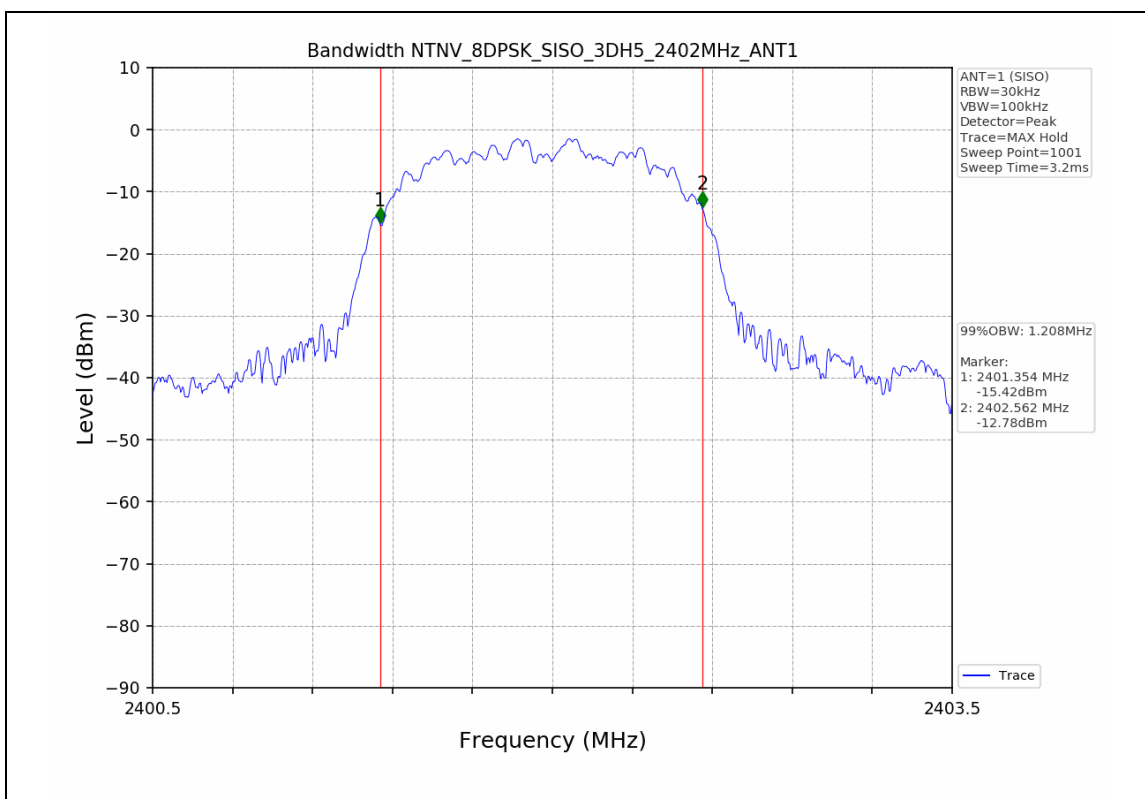
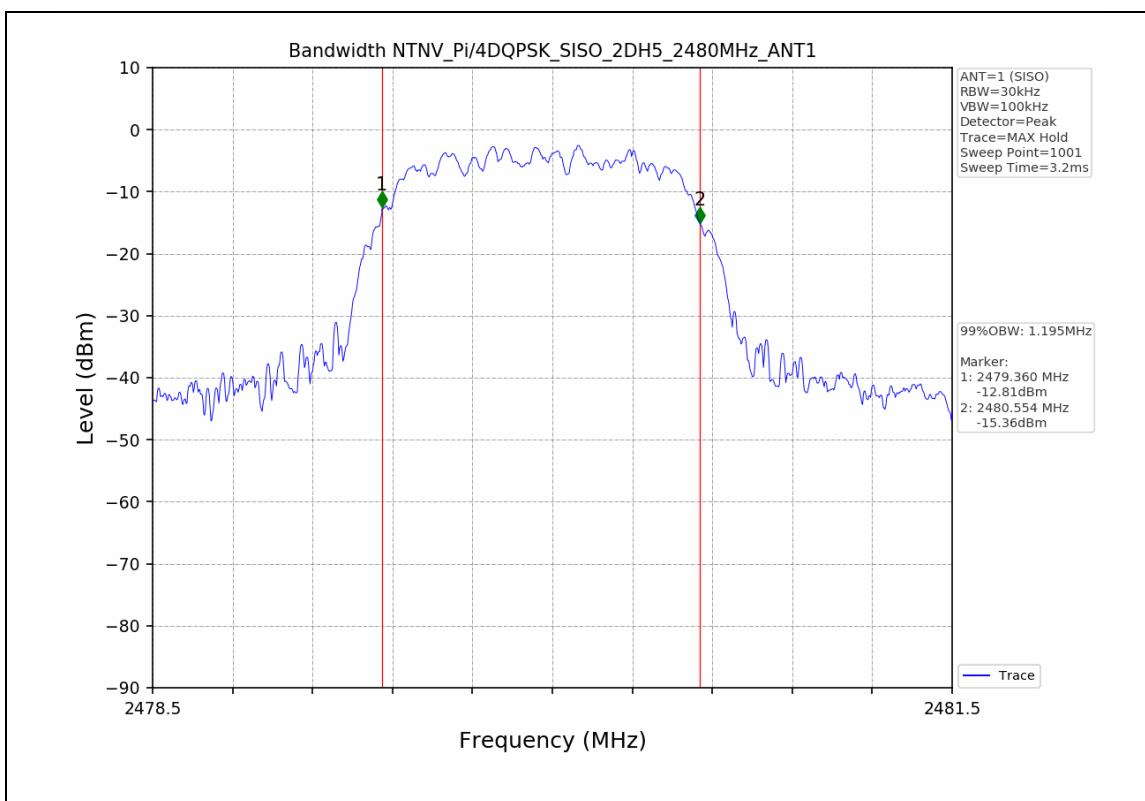


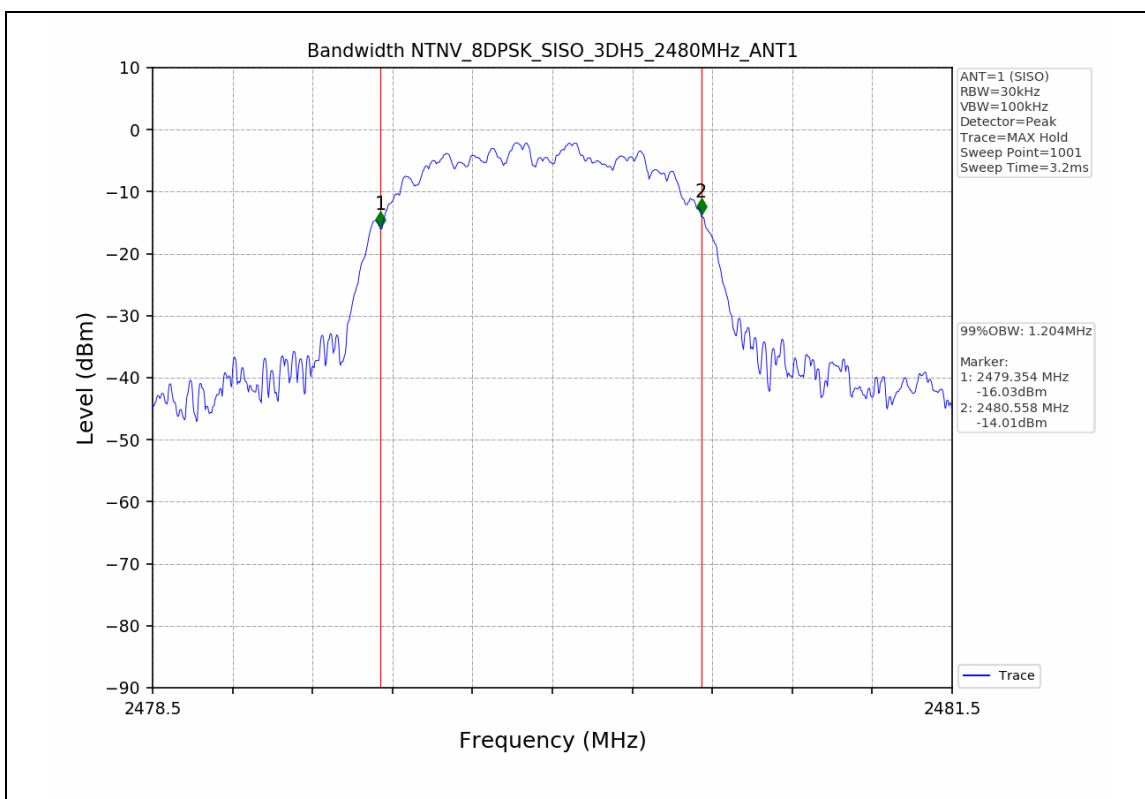
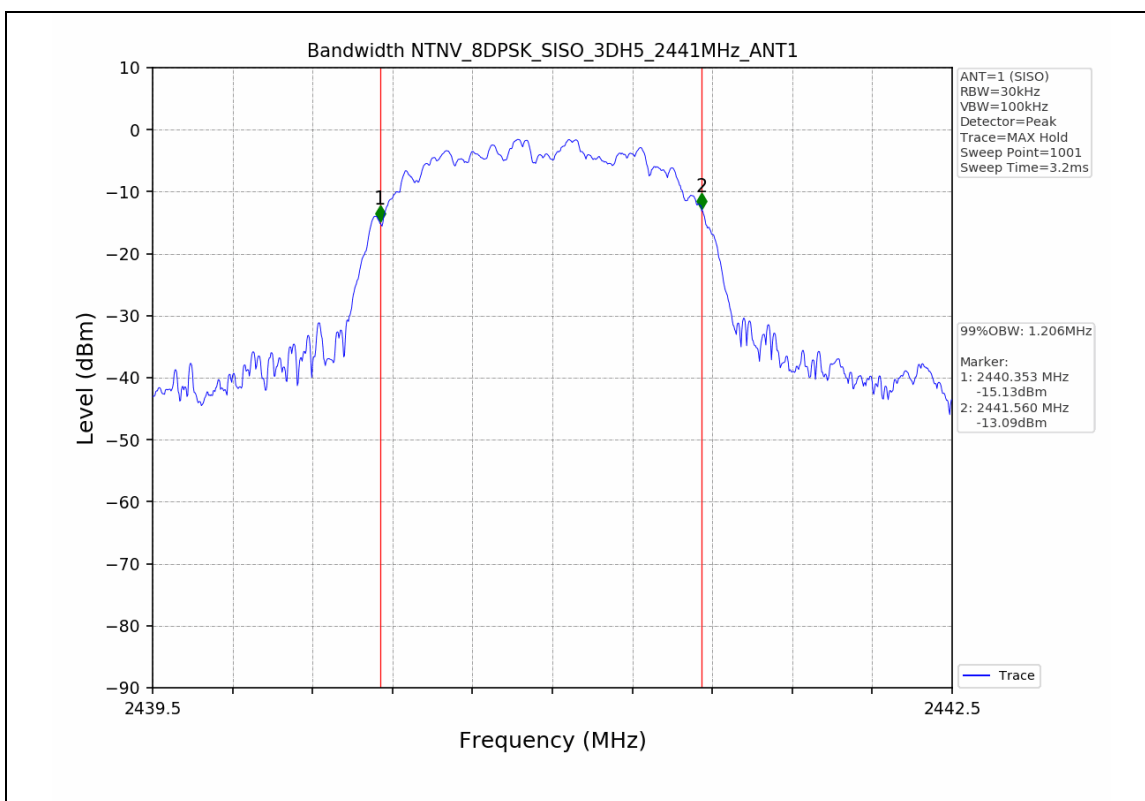
1.3 Test Graph - 99% Occupied Bandwidth









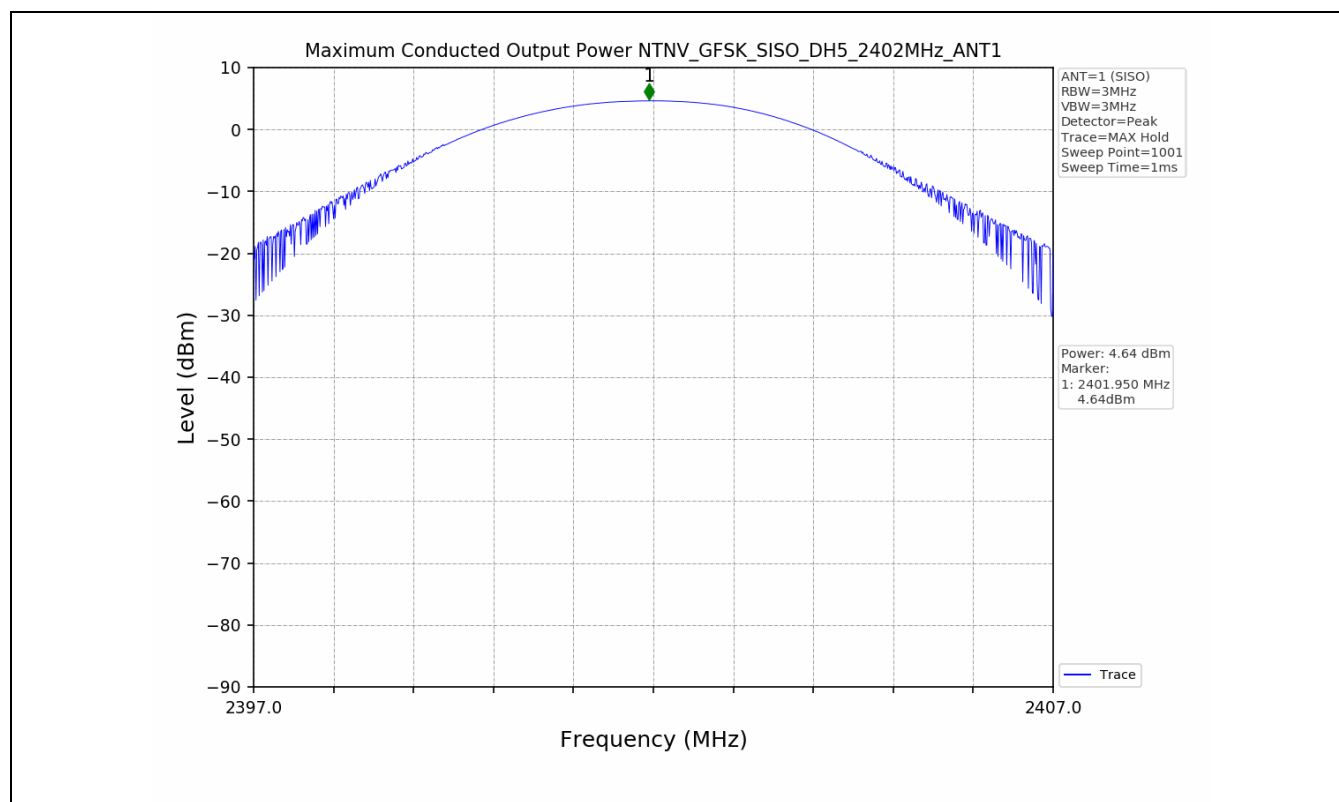


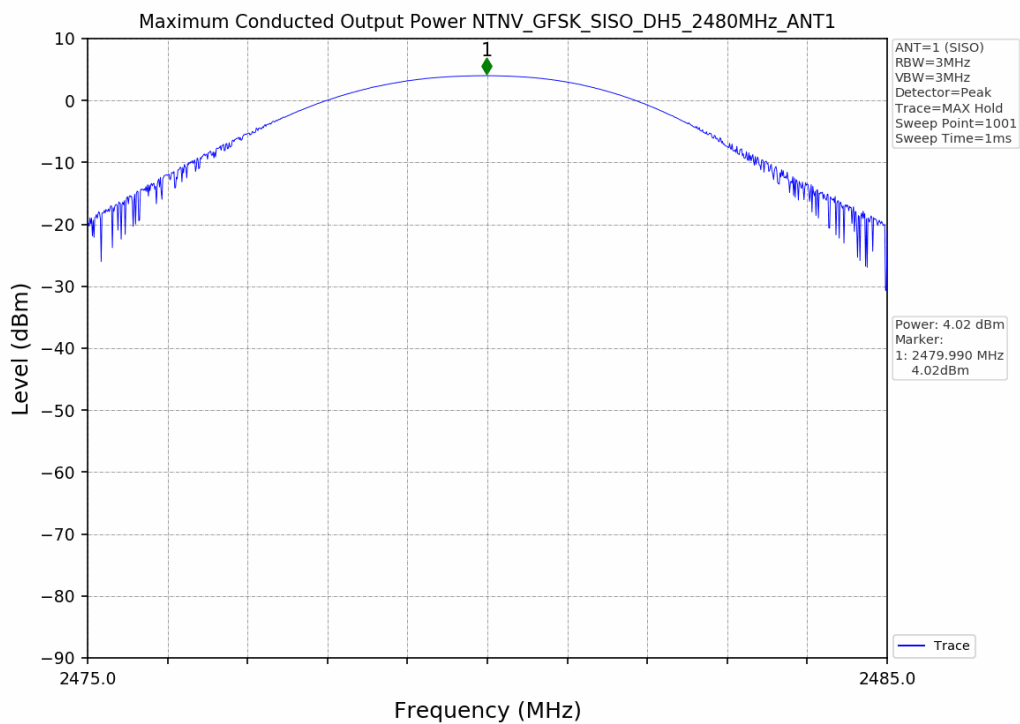
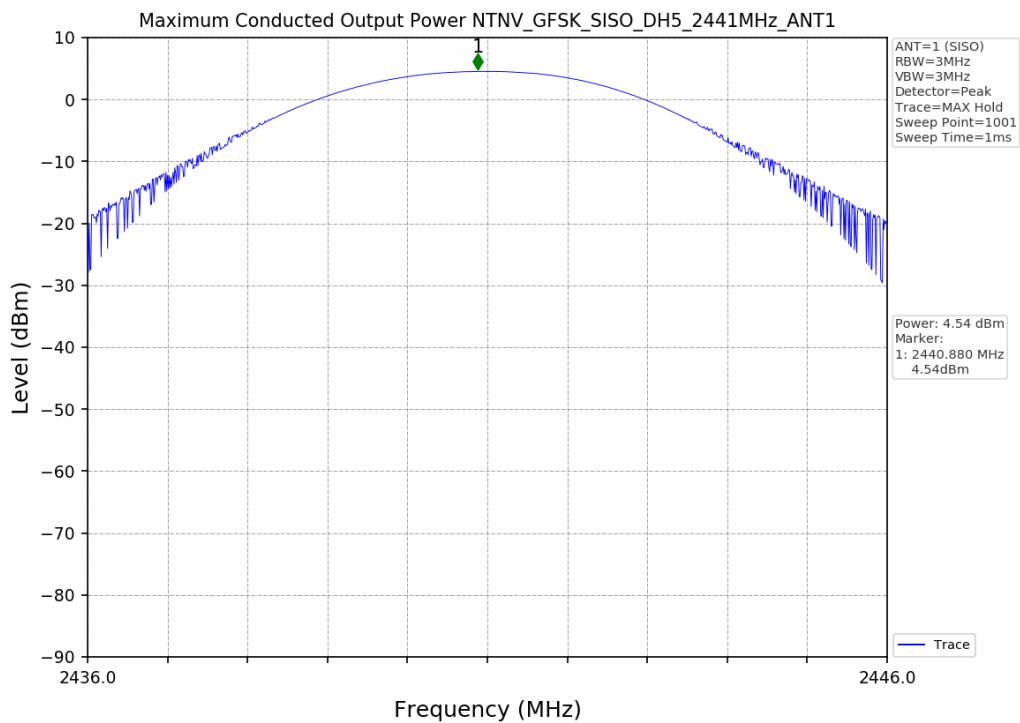
2. Maximum Conducted Output Power

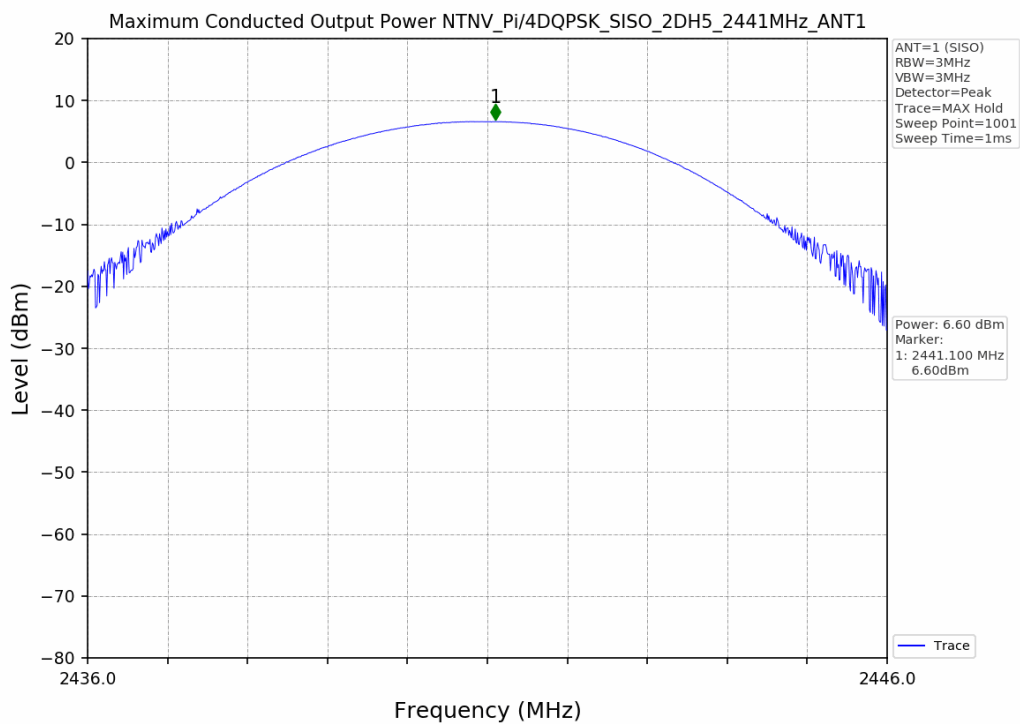
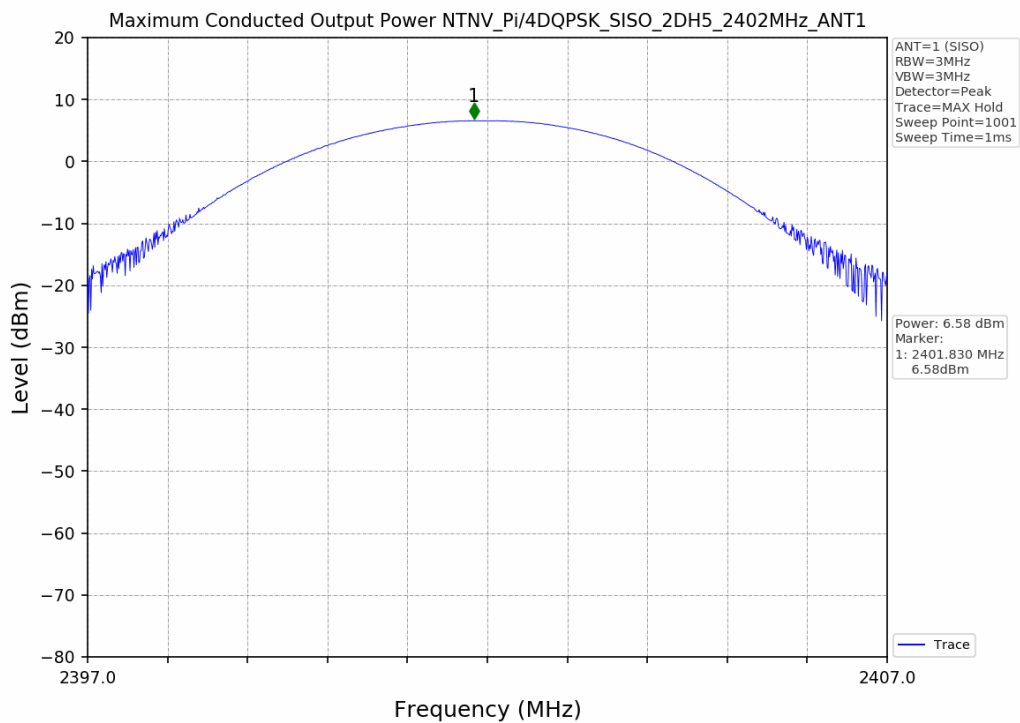
2.1 Test Result

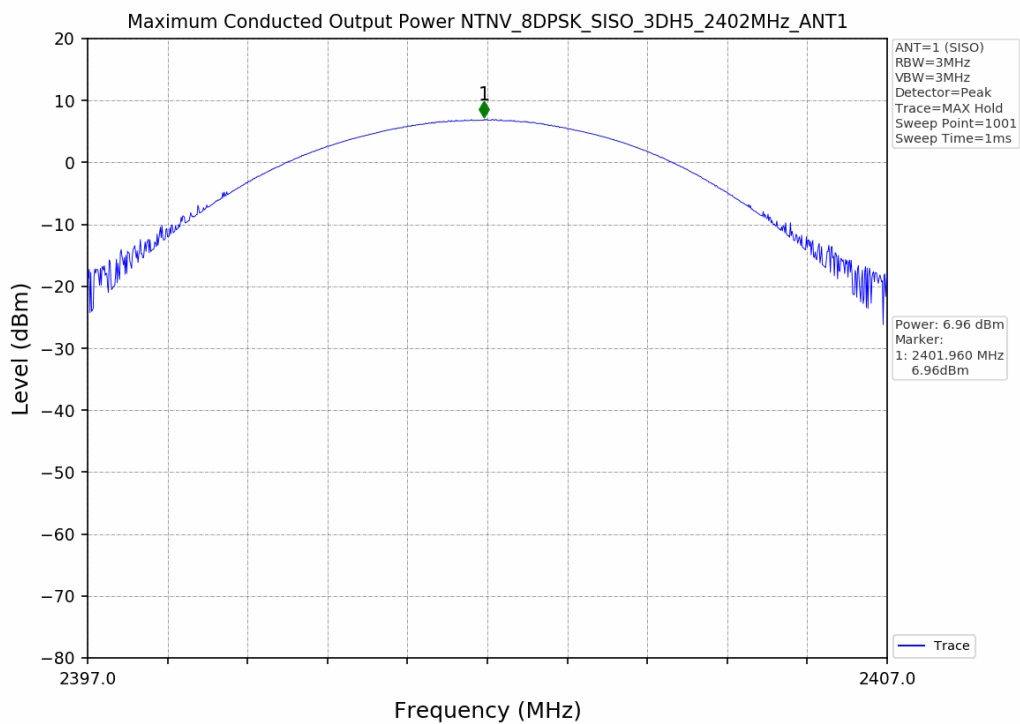
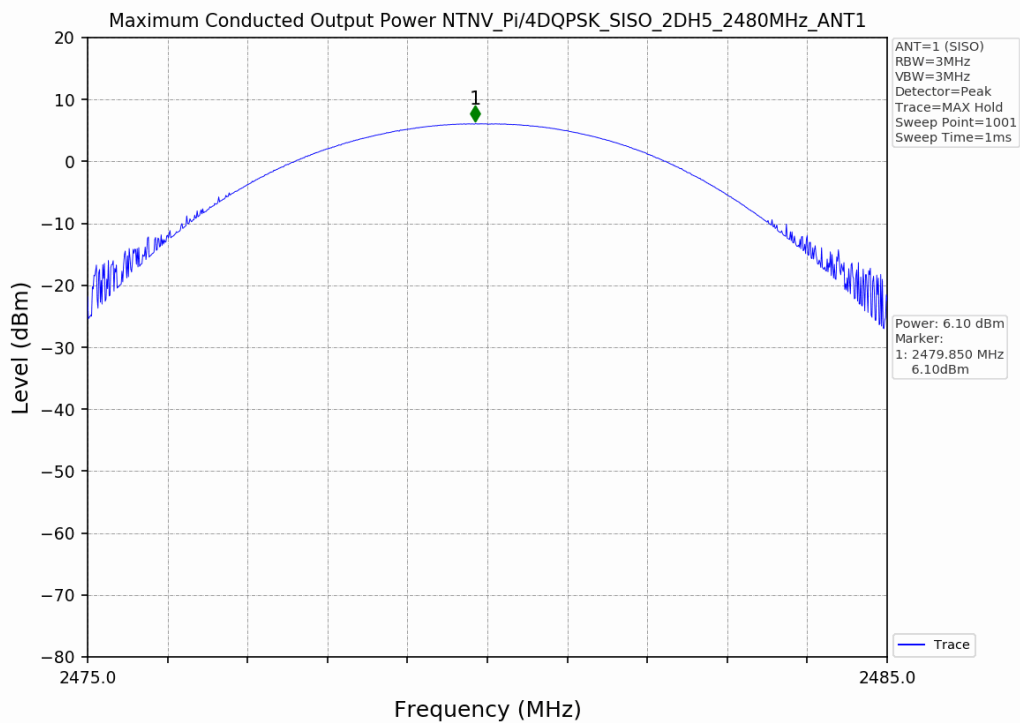
Test Mode	Frequency (MHz)	Tx Type	Measured Peak Output Power (dBm)	Limits (dBm)	Verdict
			Ant 1		
GFSK	2402	SISO	4.64	20.97	PASS
	2441	SISO	4.54	20.97	PASS
	2480	SISO	4.02	20.97	PASS
Pi/4DQPSK	2402	SISO	6.58	20.97	PASS
	2441	SISO	6.60	20.97	PASS
	2480	SISO	6.10	20.97	PASS
8DPSK	2402	SISO	6.96	20.97	PASS
	2441	SISO	6.99	20.97	PASS
	2480	SISO	6.52	20.97	PASS

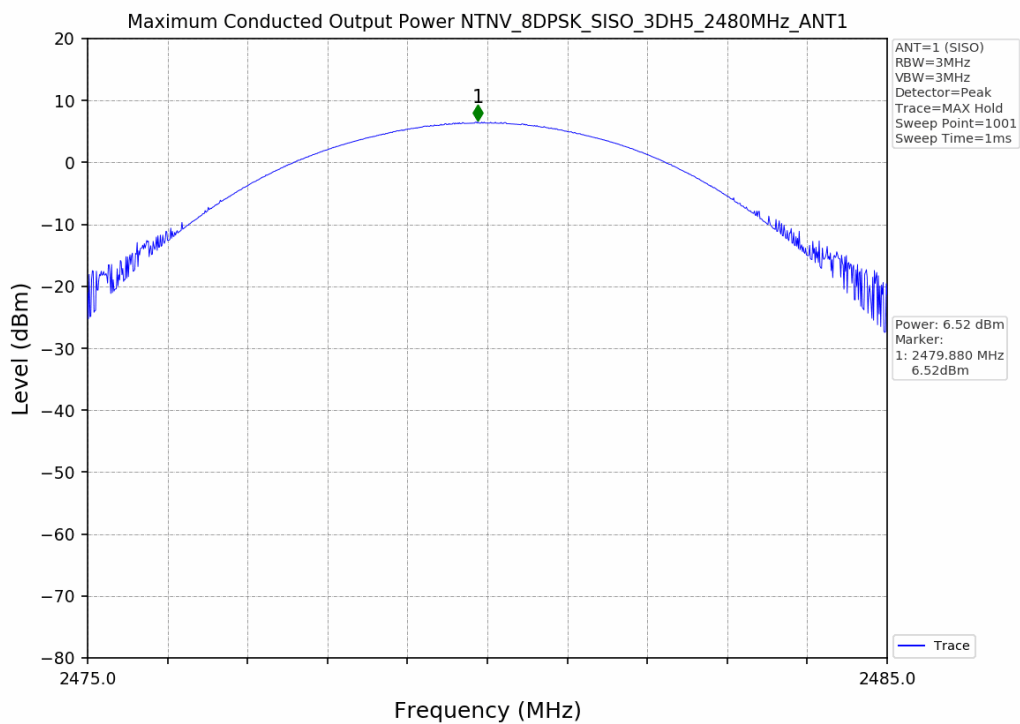
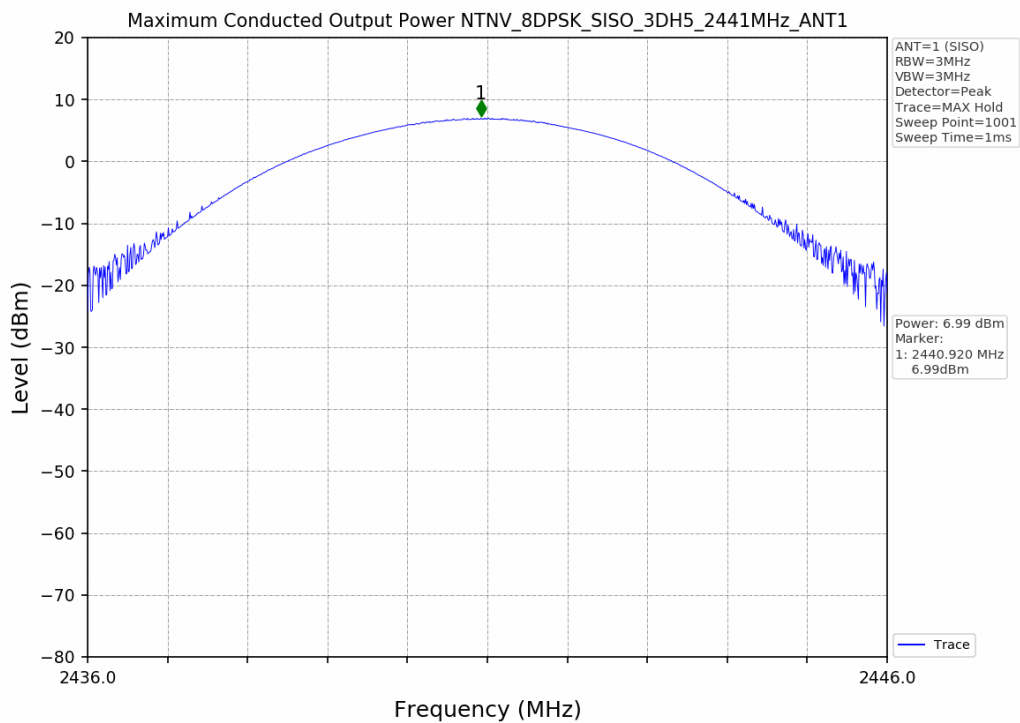
2.2 Test Graph









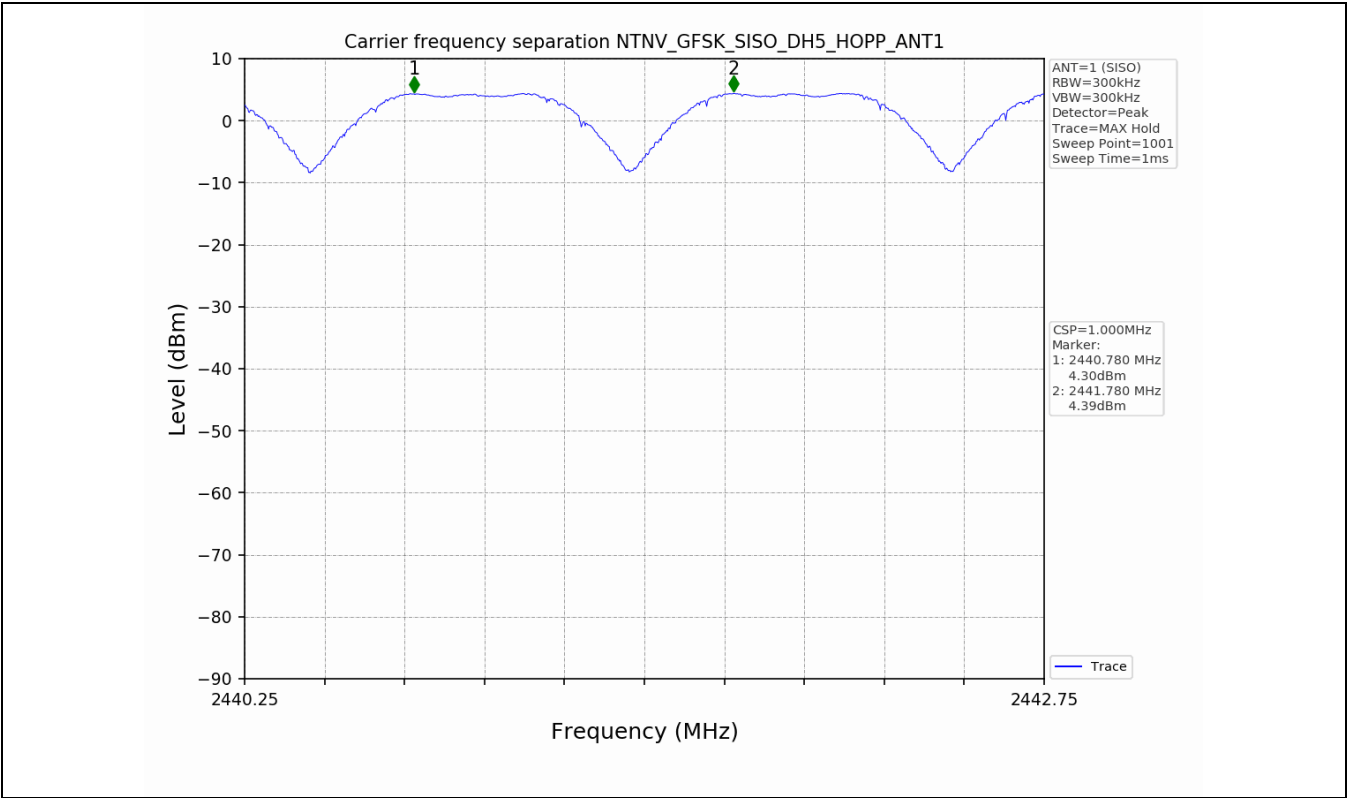


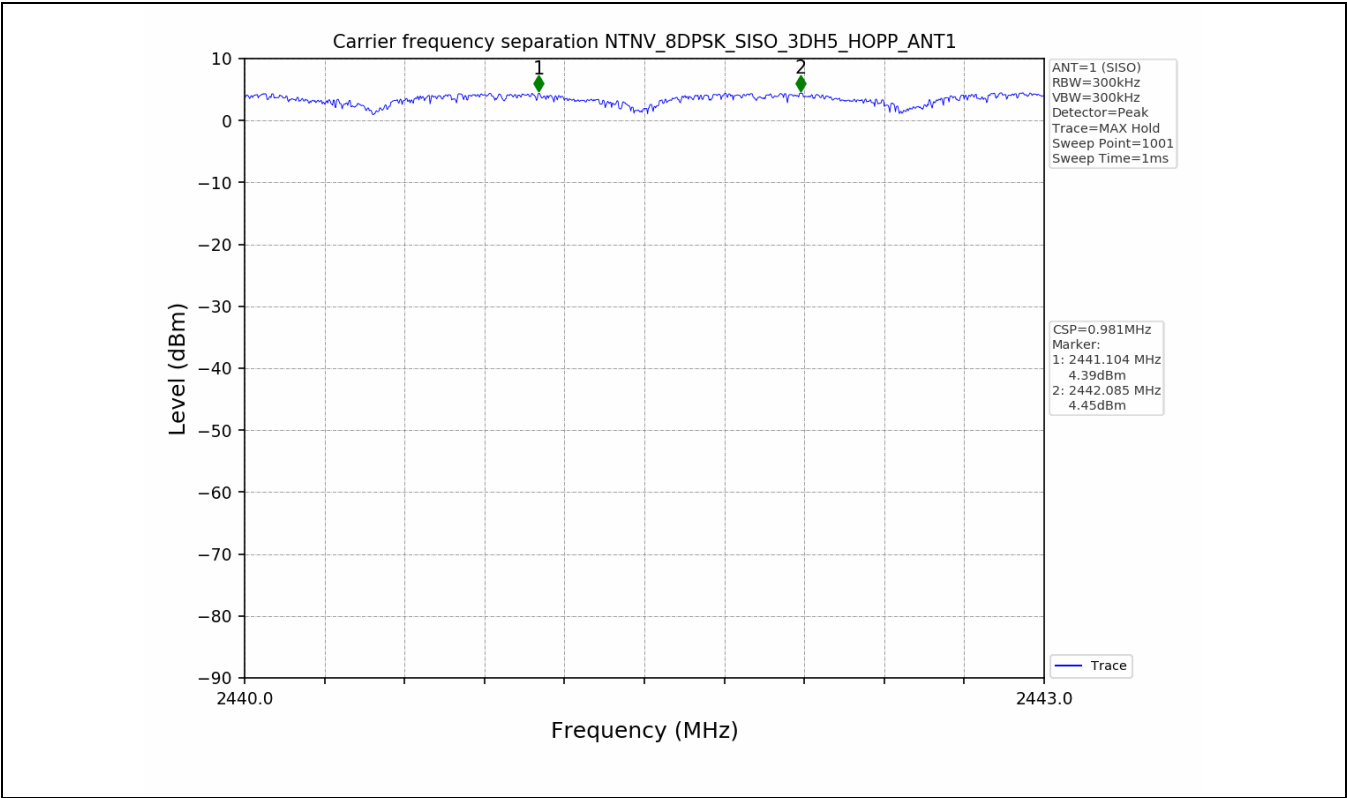
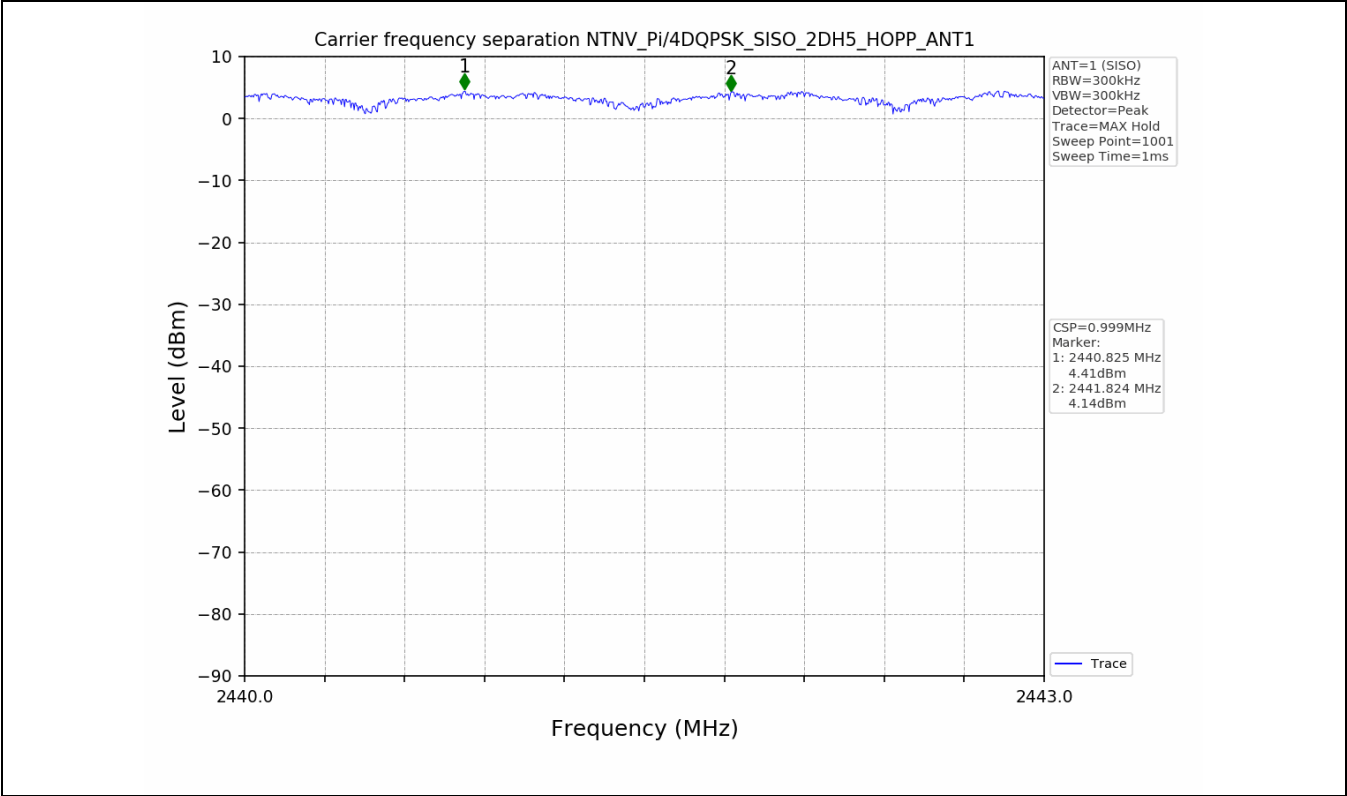
3. Carrier frequency separation

3.1 Test Result

Test Mode	TX Type	ANT No.	Channel Separation (MHz)	20dB Bandwidth (MHz)	Limits (MHz)	Verdict
GFSK	SISO	1	1.000	1.027	≥0.685	PASS
Pi/4DQPSK	SISO	1	0.999	1.365	≥0.910	PASS
8DPSK	SISO	1	0.981	1.353	≥0.902	PASS

3.2 Test Graph



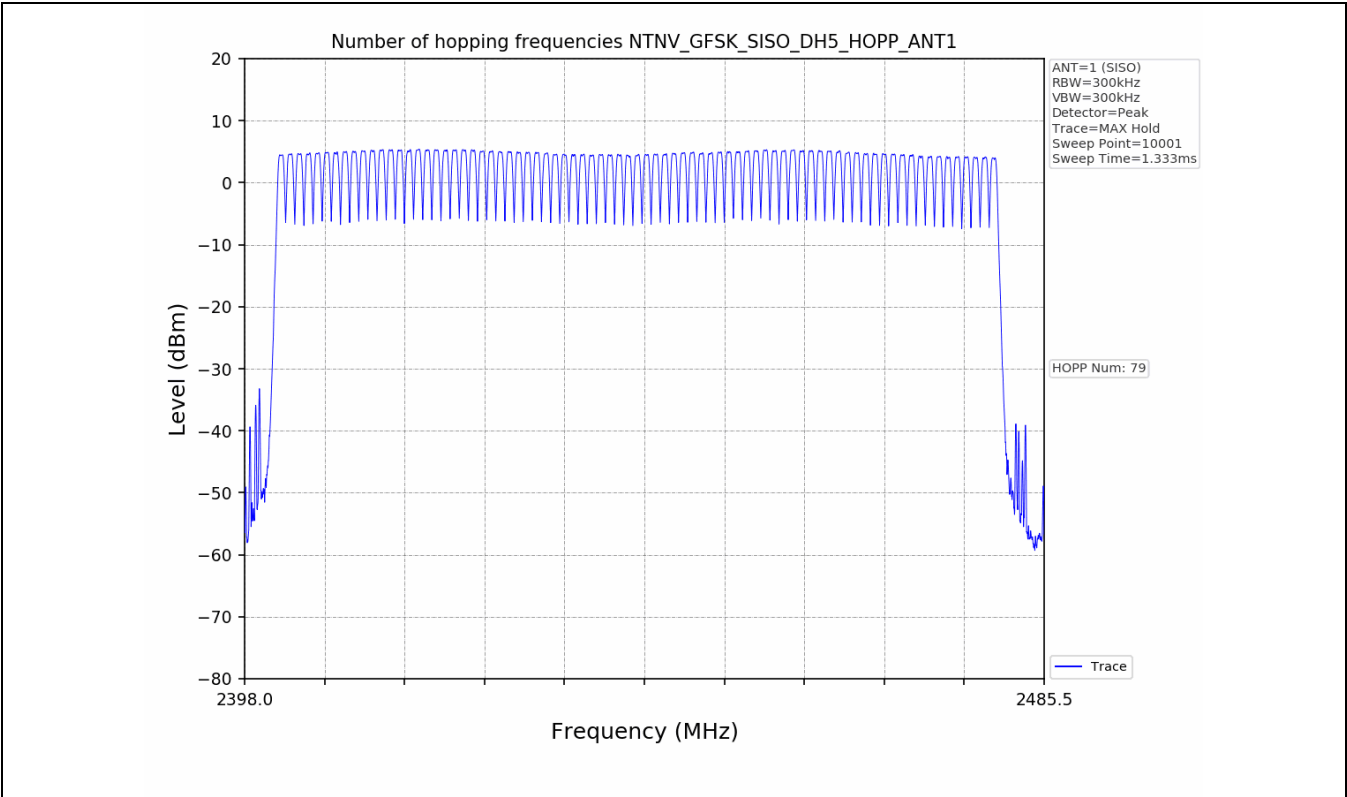


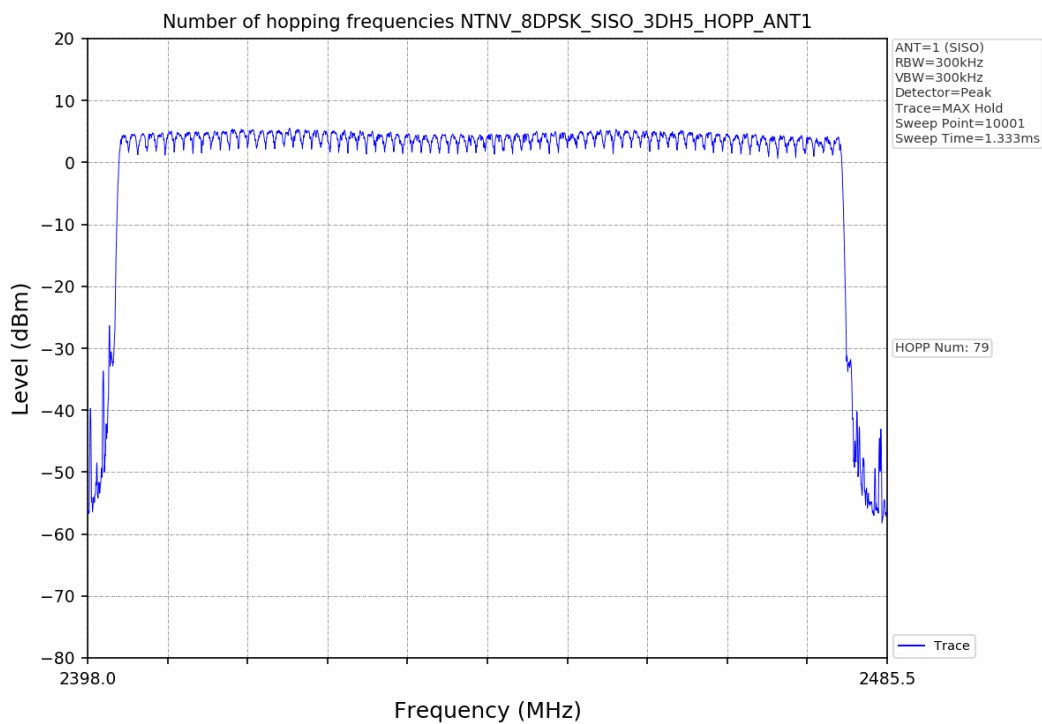
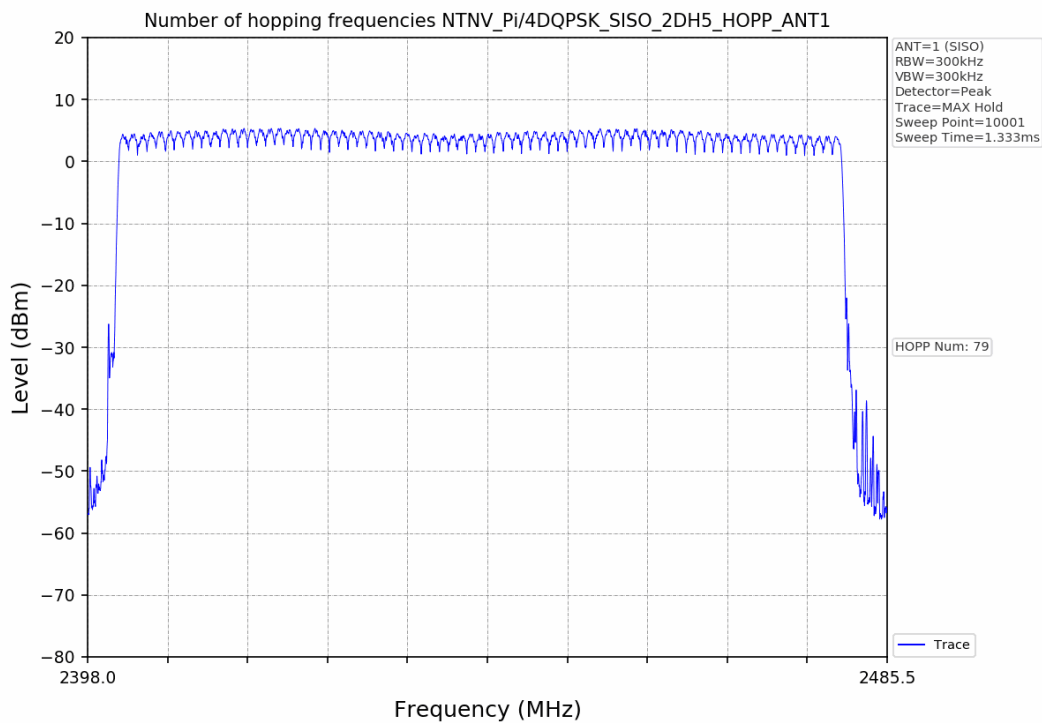
4. Number of hopping frequencies

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



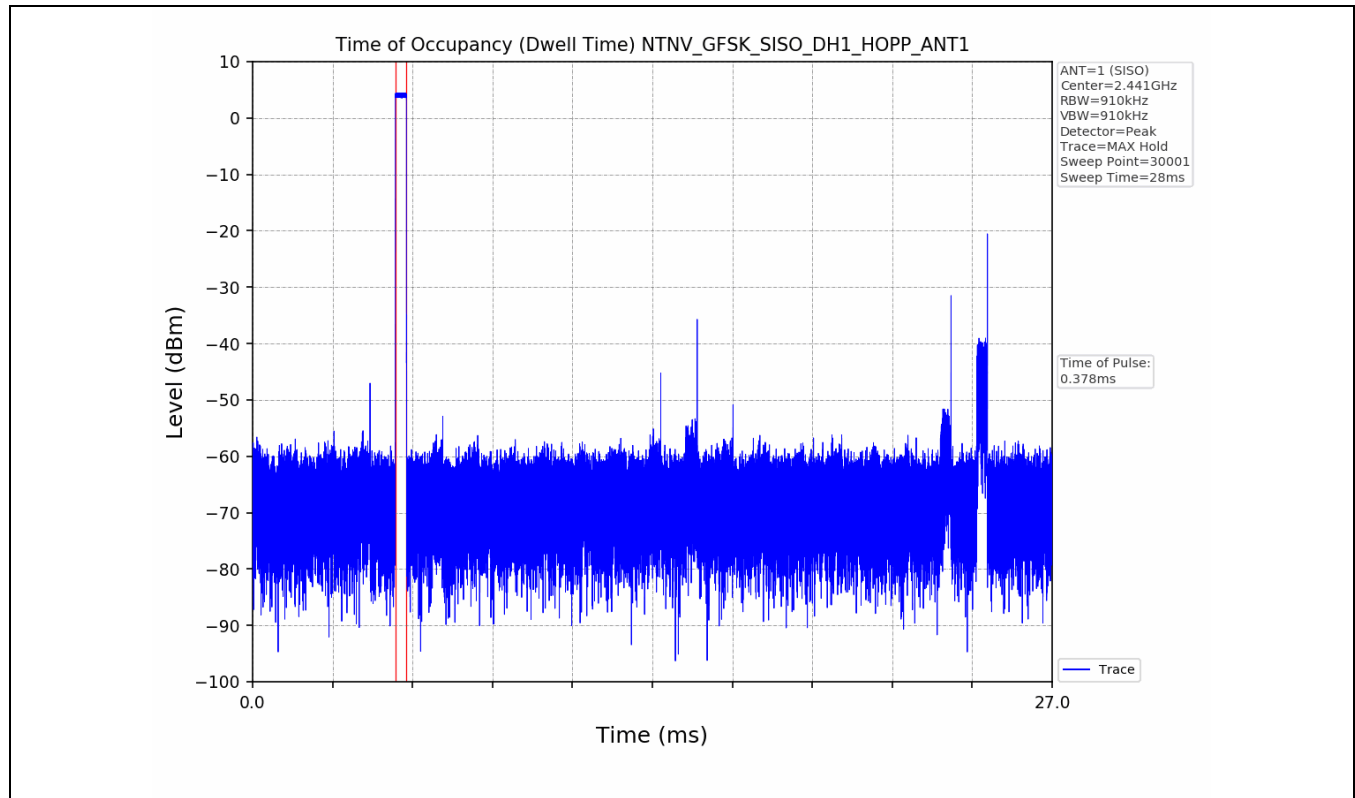


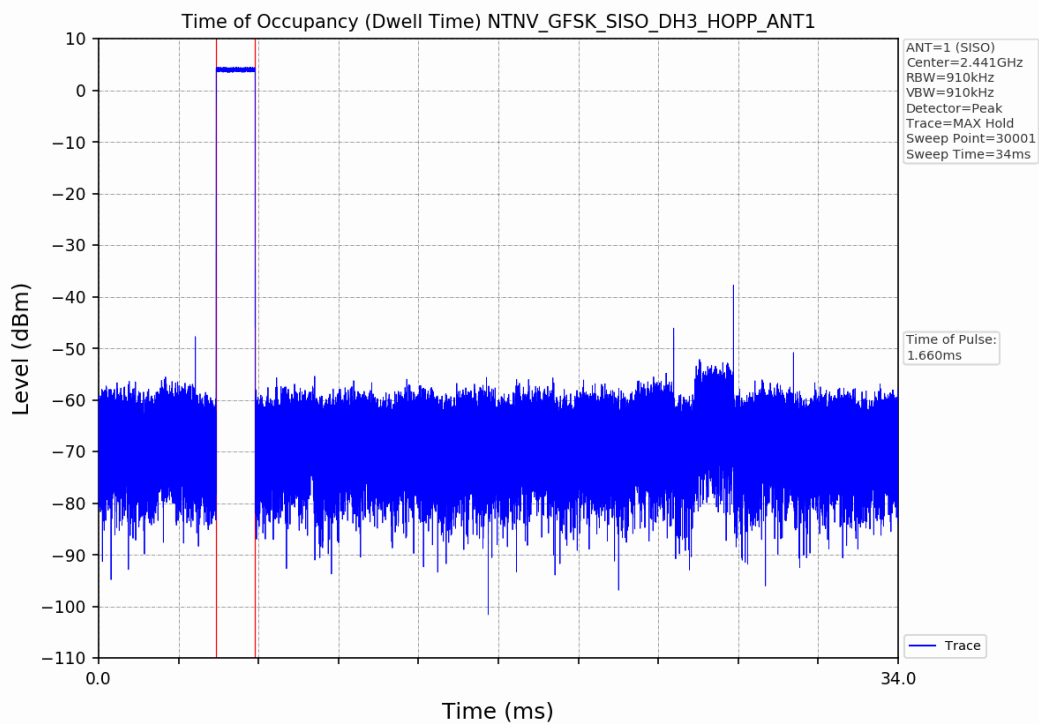
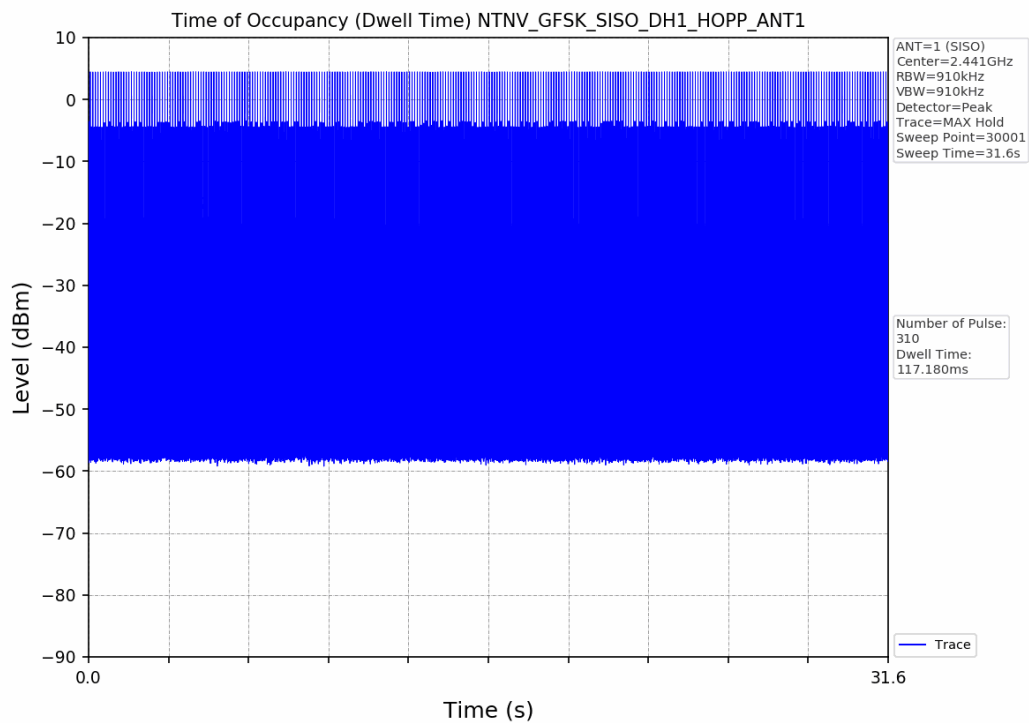
5. Time of Occupancy (Dwell Time)

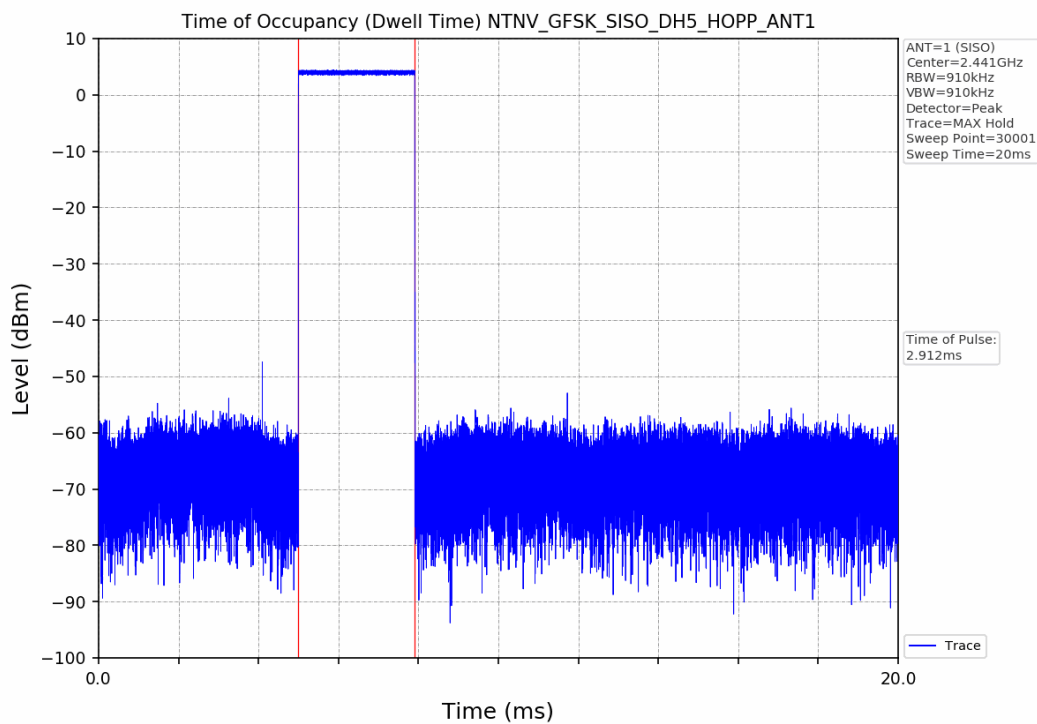
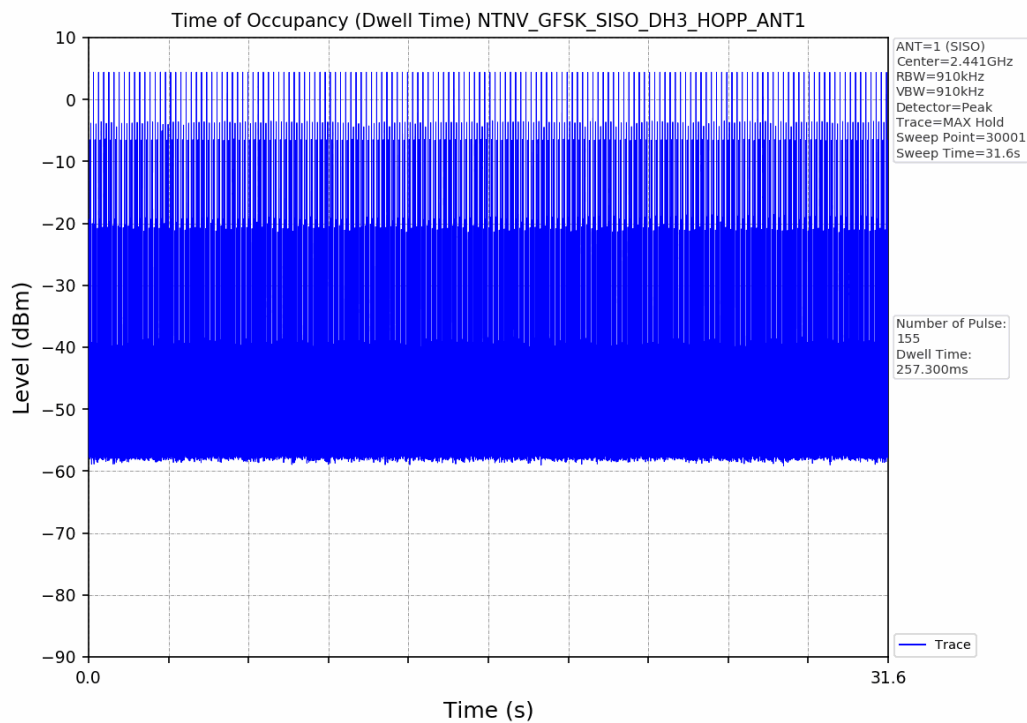
5.1 Test Result

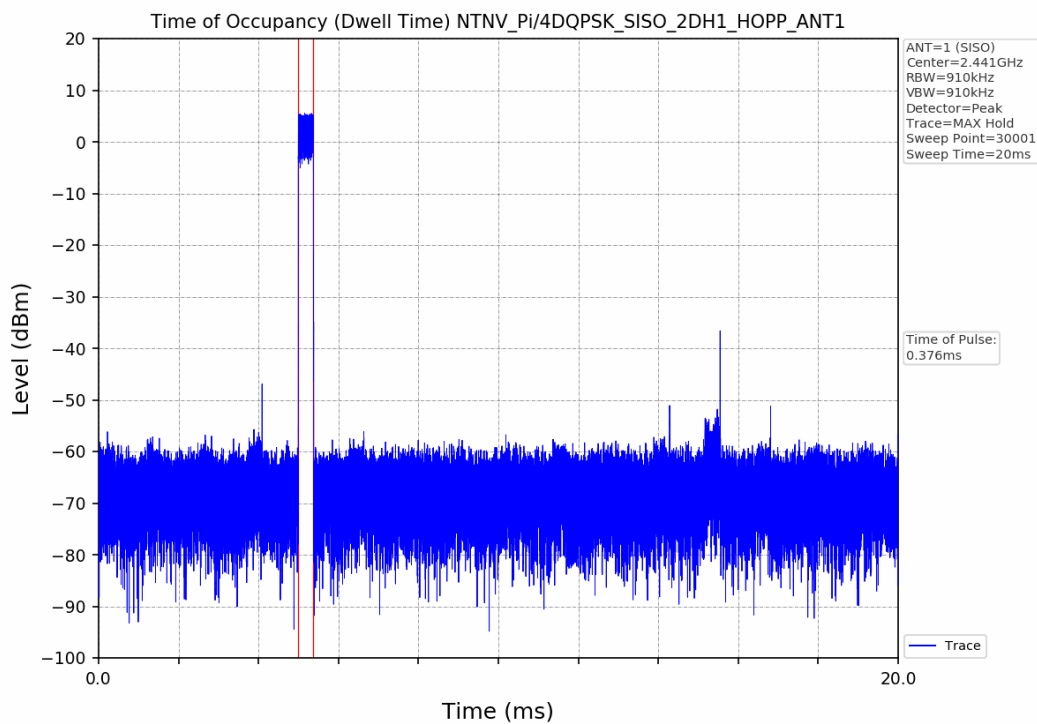
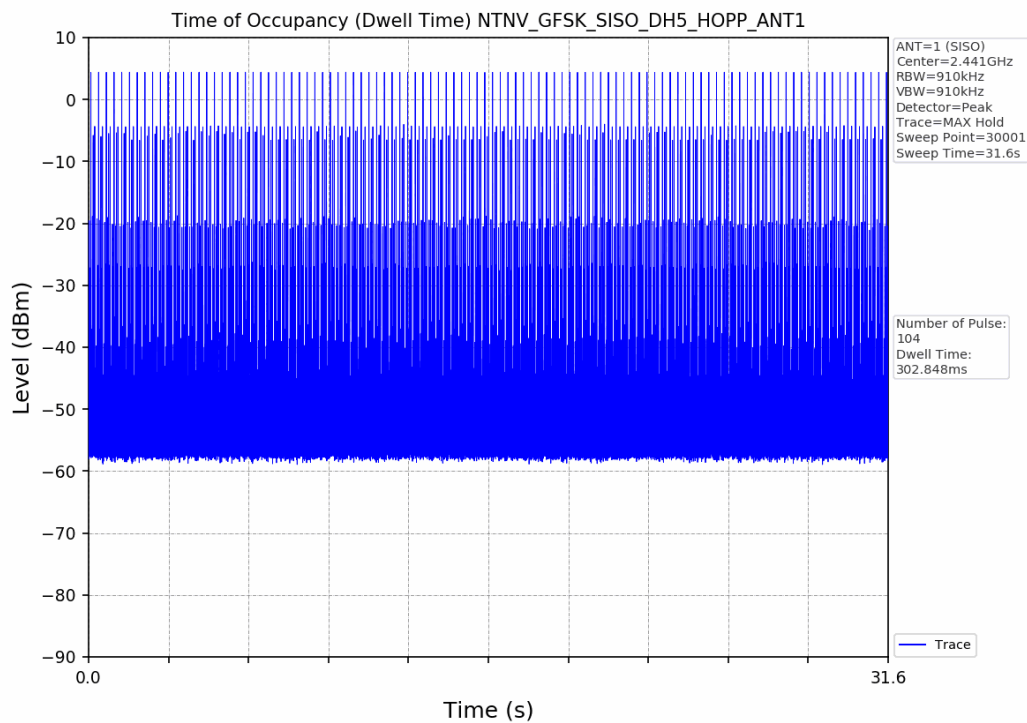
Test Mode	Packet Type	TX Type	ANT No.	Duration of Single Pulse (ms)	Obeservation Period (s)	Num of Pulse in Observation Period	Dwell Time (ms)	Limits (ms)	Verdict
GFSK	DH1	SISO	1	0.378	31.6	310	117.180	≤400	PASS
	DH3	SISO	1	1.660	31.6	155	257.300	≤400	PASS
	DH5	SISO	1	2.912	31.6	104	302.848	≤400	PASS
Pi/4D QPS K	2DH1	SISO	1	0.376	31.6	310	116.560	≤400	PASS
	2DH3	SISO	1	1.647	31.6	155	255.285	≤400	PASS
	2DH5	SISO	1	2.943	31.6	103	303.129	≤400	PASS
8DPS K	3DH1	SISO	1	0.377	31.6	311	117.247	≤400	PASS
	3DH3	SISO	1	1.649	31.6	156	257.244	≤400	PASS
	3DH5	SISO	1	2.922	31.6	103	300.966	≤400	PASS

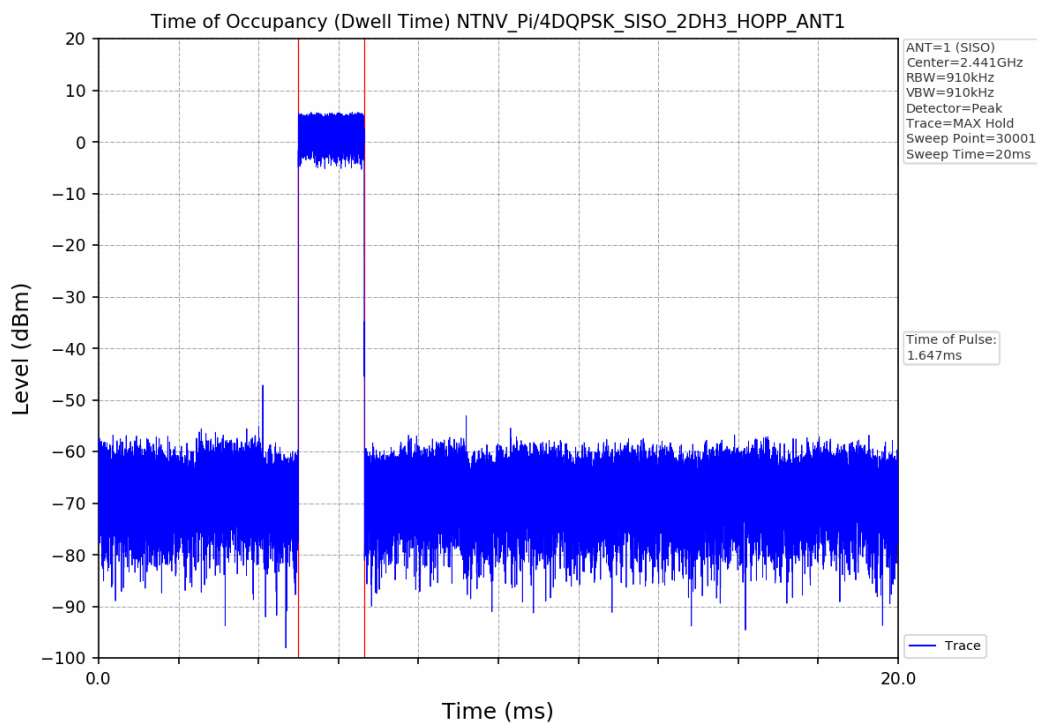
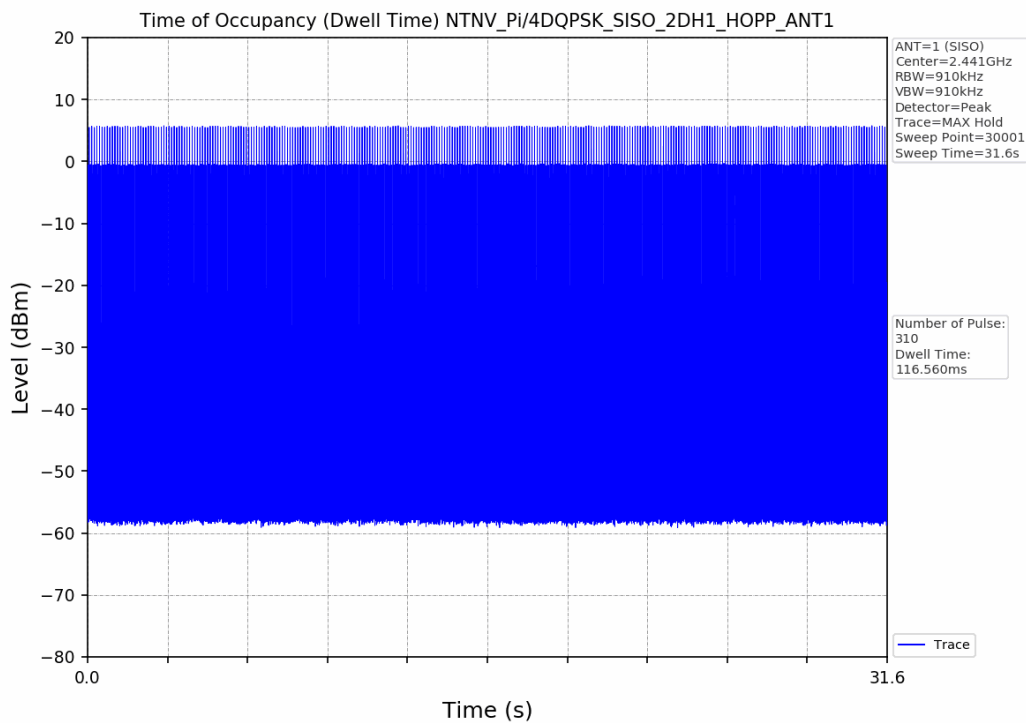
5.2 Test Graph

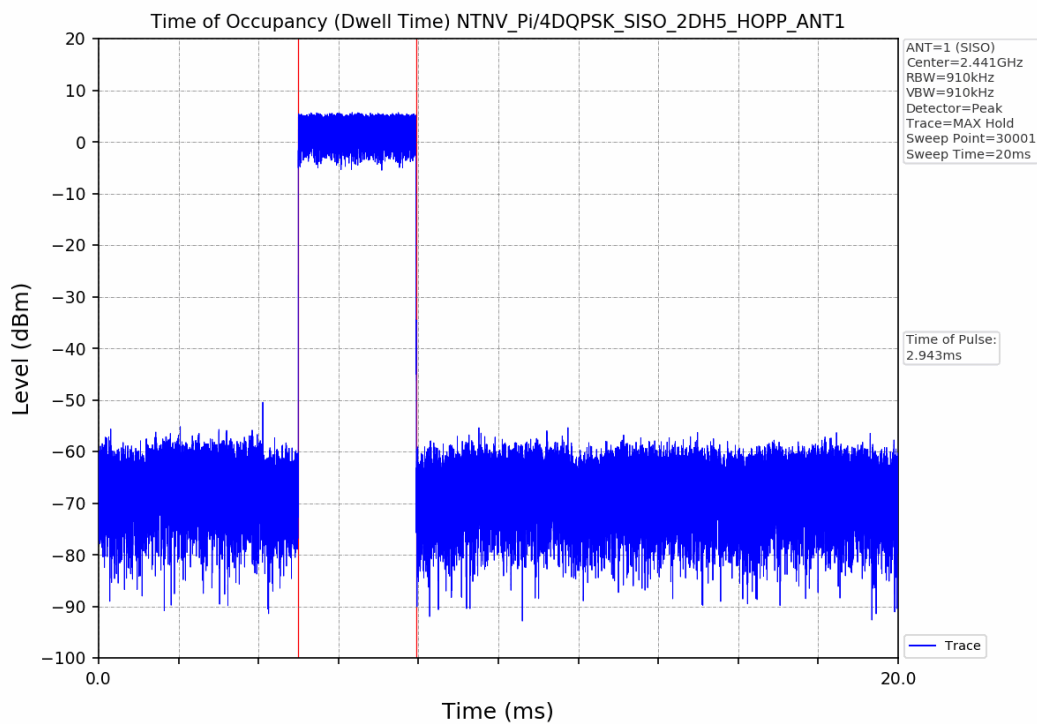
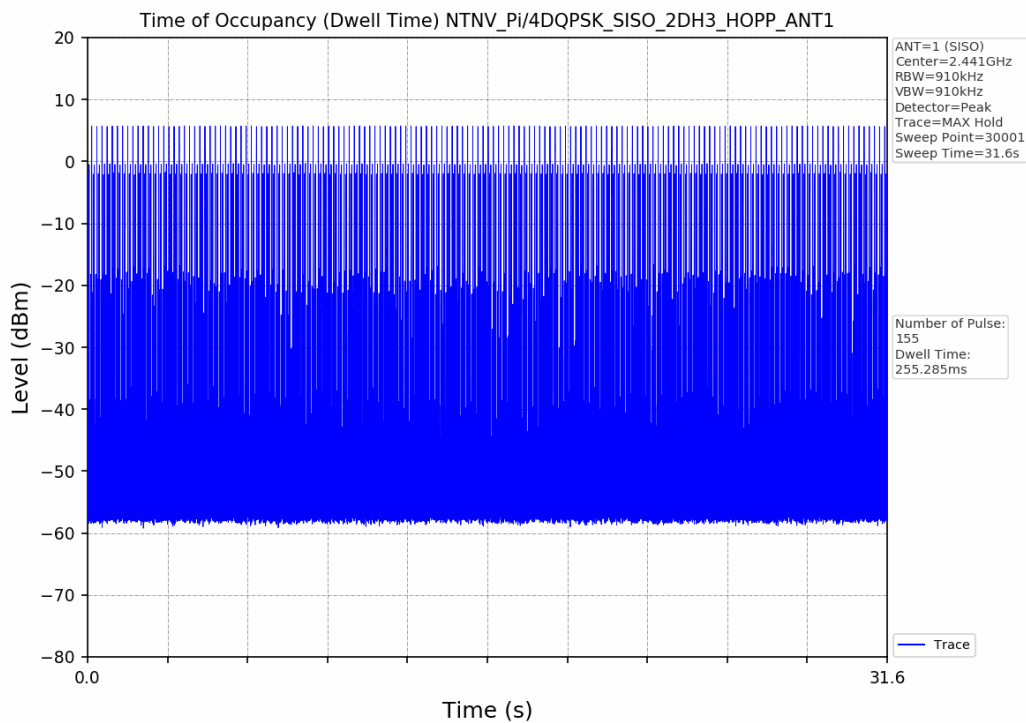


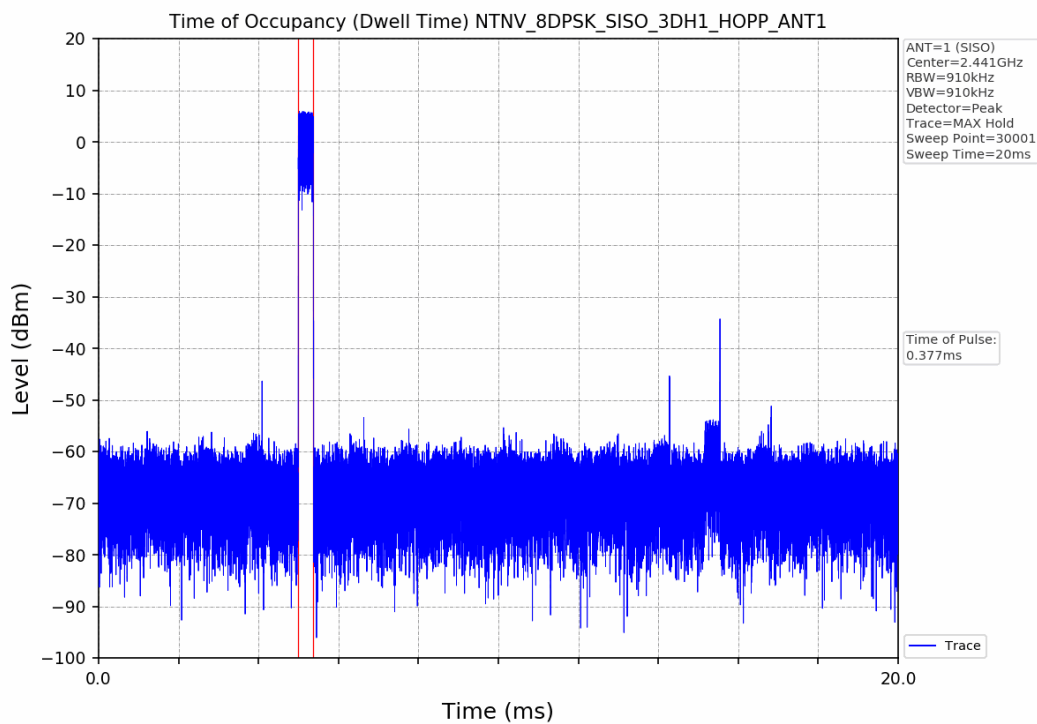
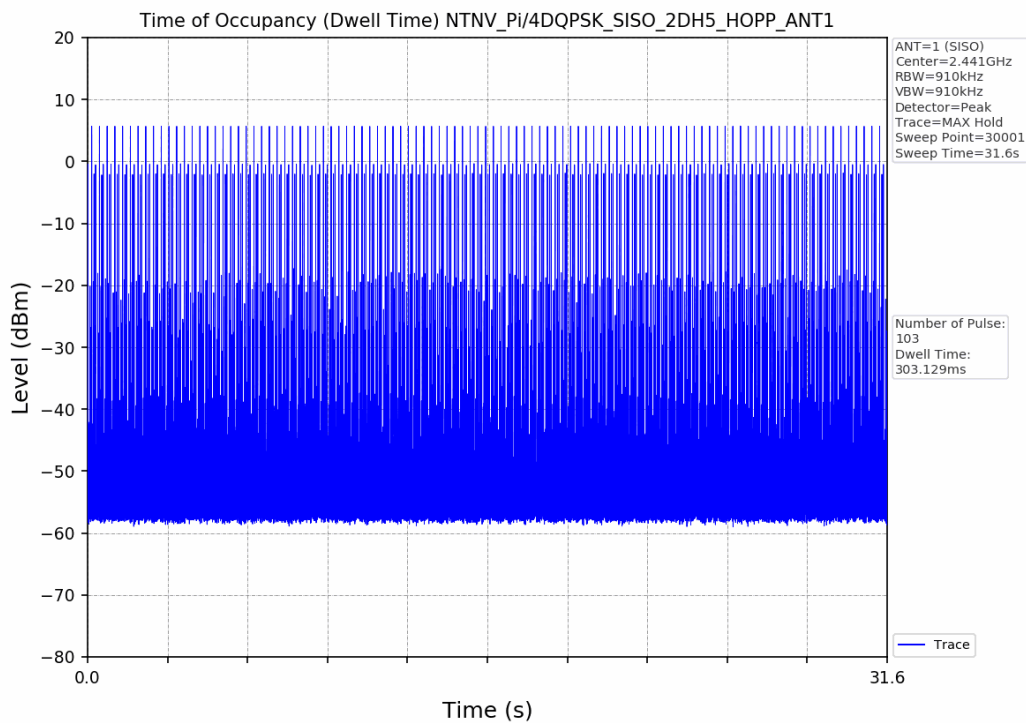


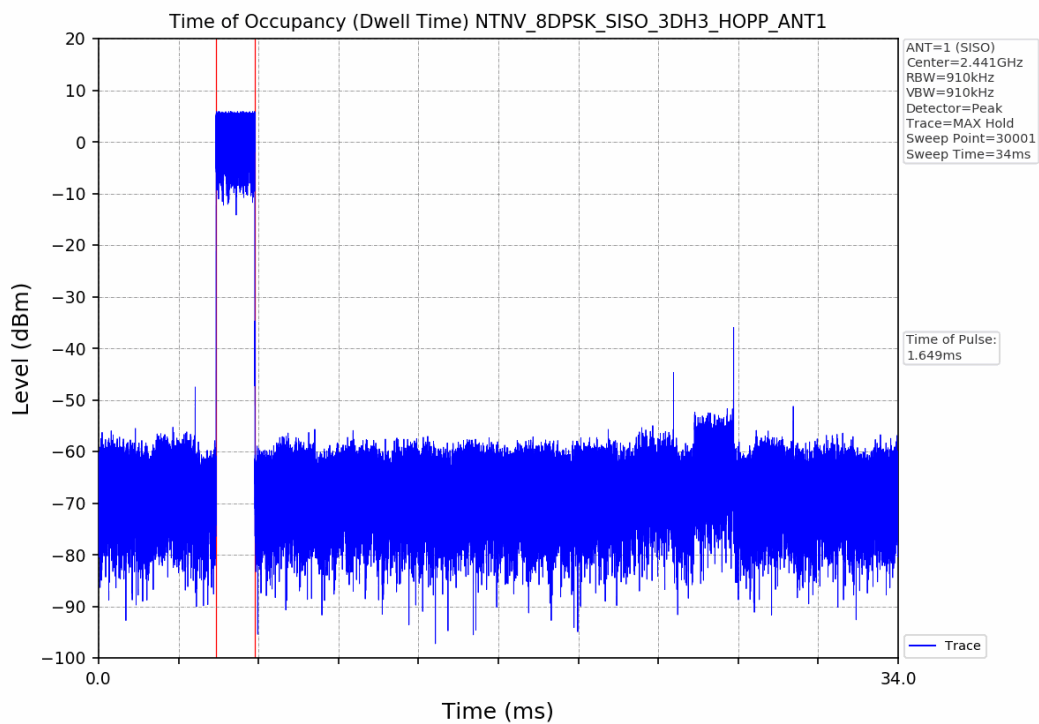
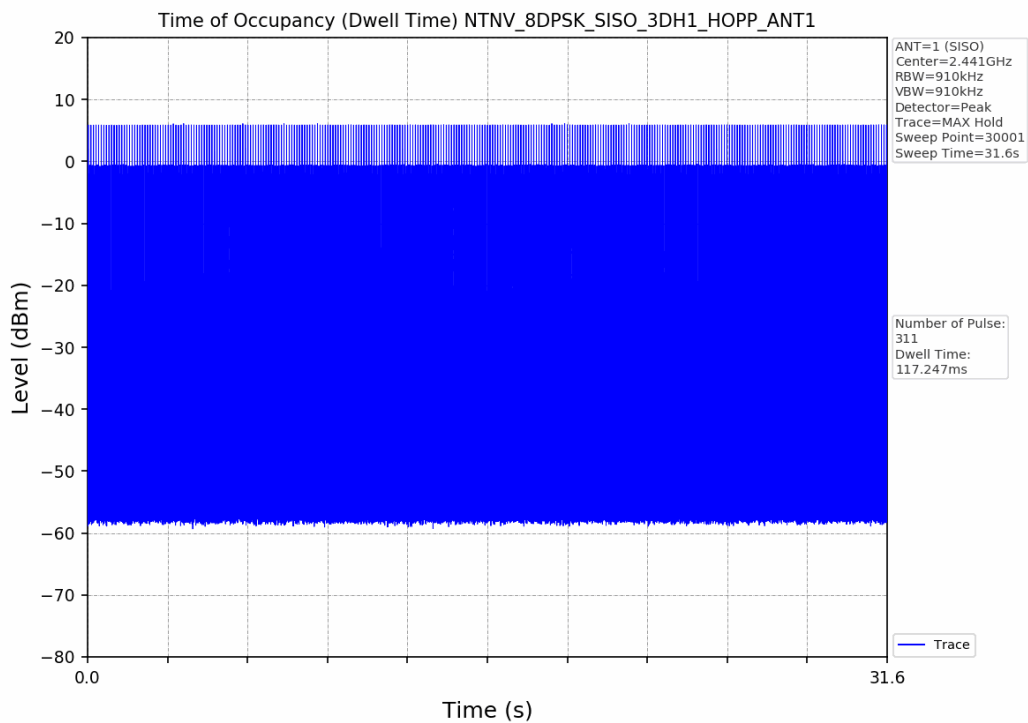


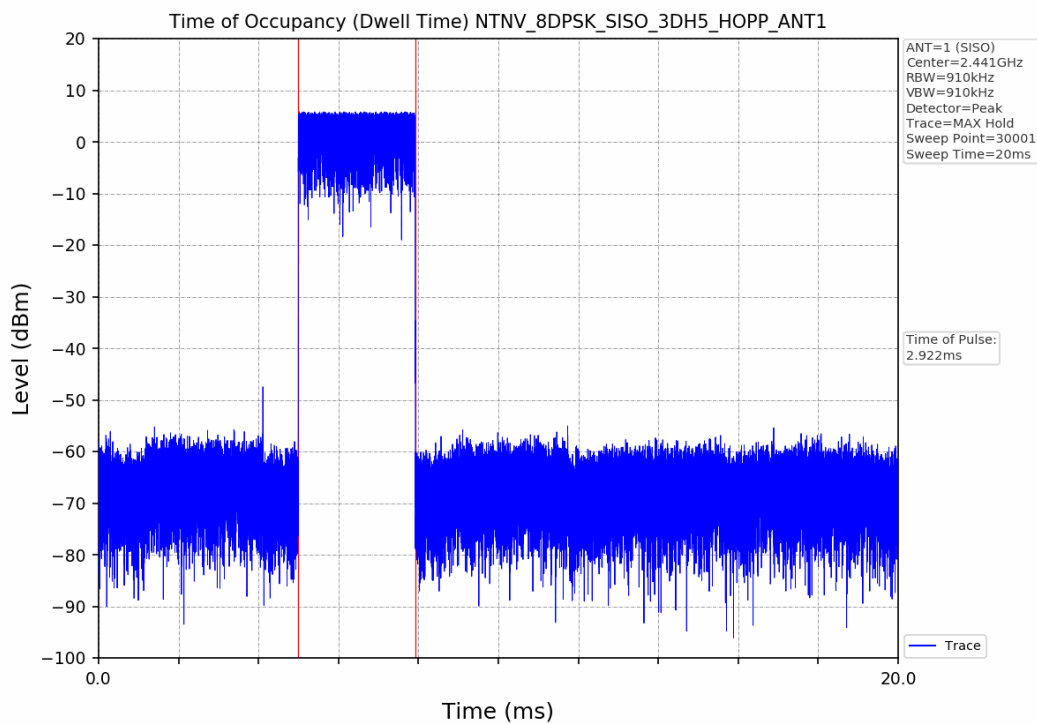
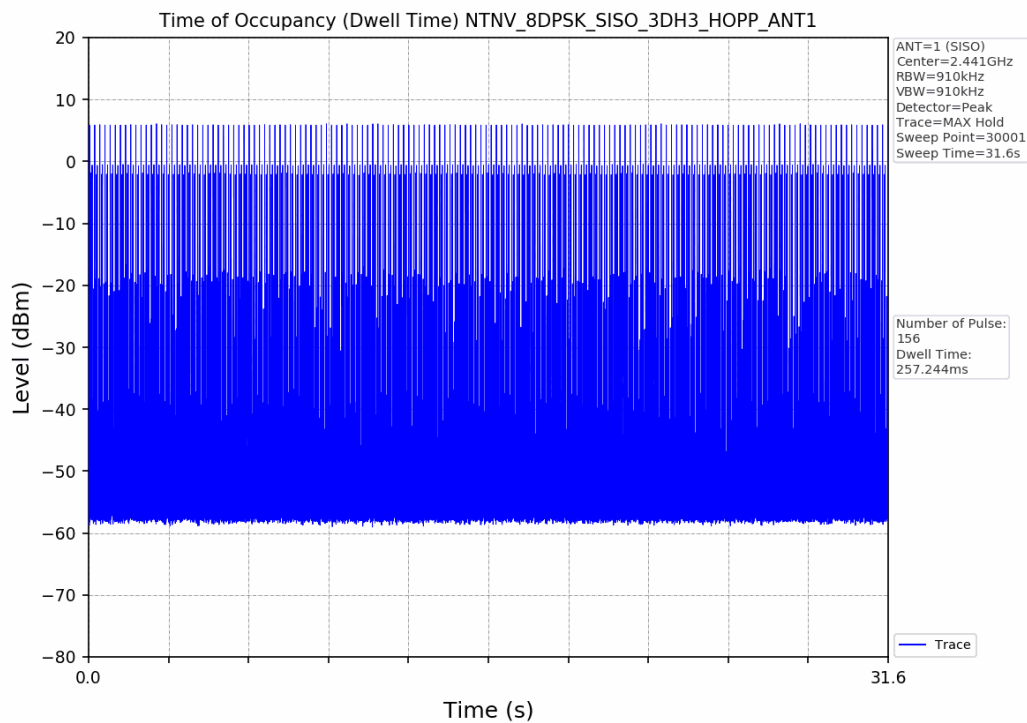


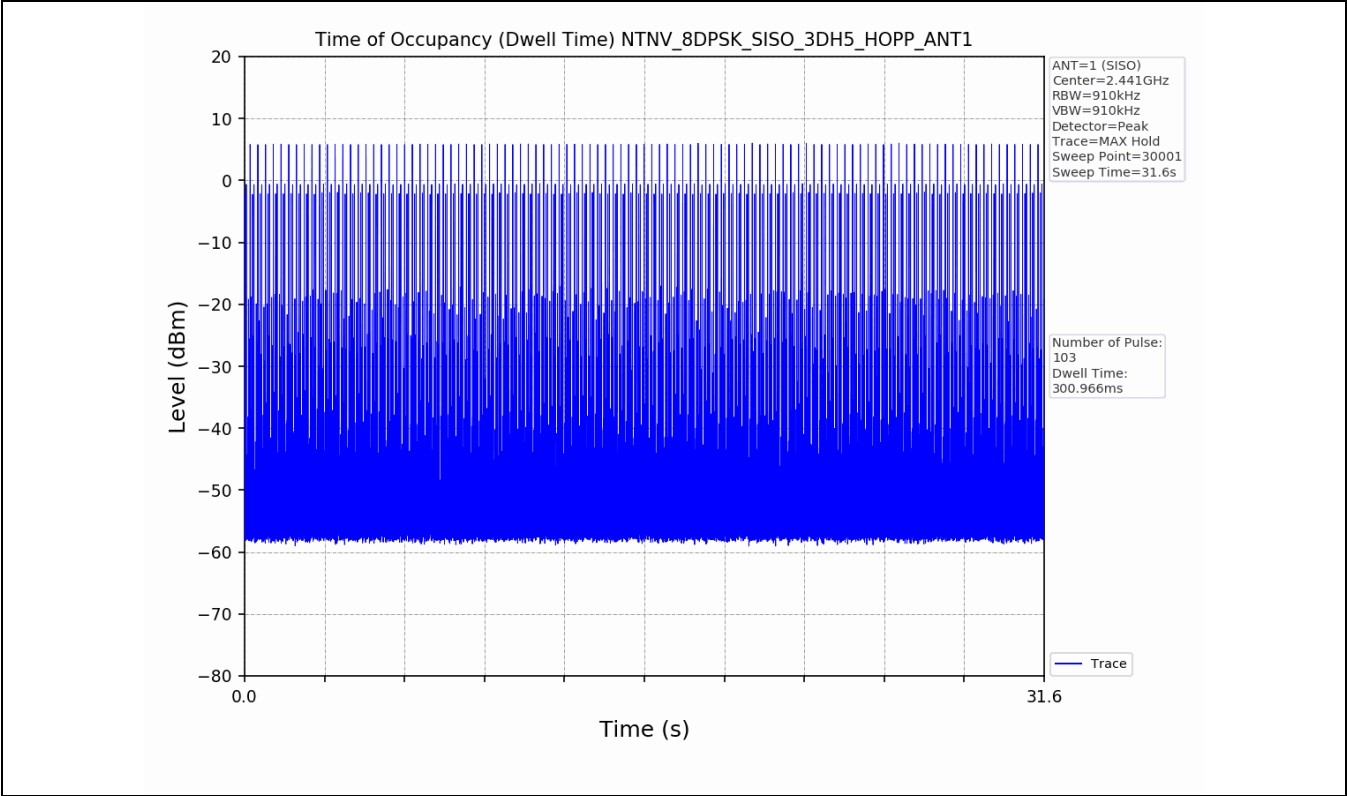












6. Unwanted Emissions in Non-restricted Frequency Bands

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	-16.14	PASS
	2441	SISO	1	Refer to test graph	-16.14	PASS
	2480	SISO	1	Refer to test graph	-16.14	PASS
	Hopping	SISO	1	Refer to test graph	-16.14	PASS
Pi/4DQPSK	2402	SISO	1	Refer to test graph	-17.43	PASS
	2441	SISO	1	Refer to test graph	-17.43	PASS
	2480	SISO	1	Refer to test graph	-17.43	PASS
	Hopping	SISO	1	Refer to test graph	-17.43	PASS
8DPSK	2402	SISO	1	Refer to test graph	-17.41	PASS
	2441	SISO	1	Refer to test graph	-17.41	PASS
	2480	SISO	1	Refer to test graph	-17.41	PASS
	Hopping	SISO	1	Refer to test graph	-17.41	PASS

6.2 Test Graph

