

Appendix for 15.247

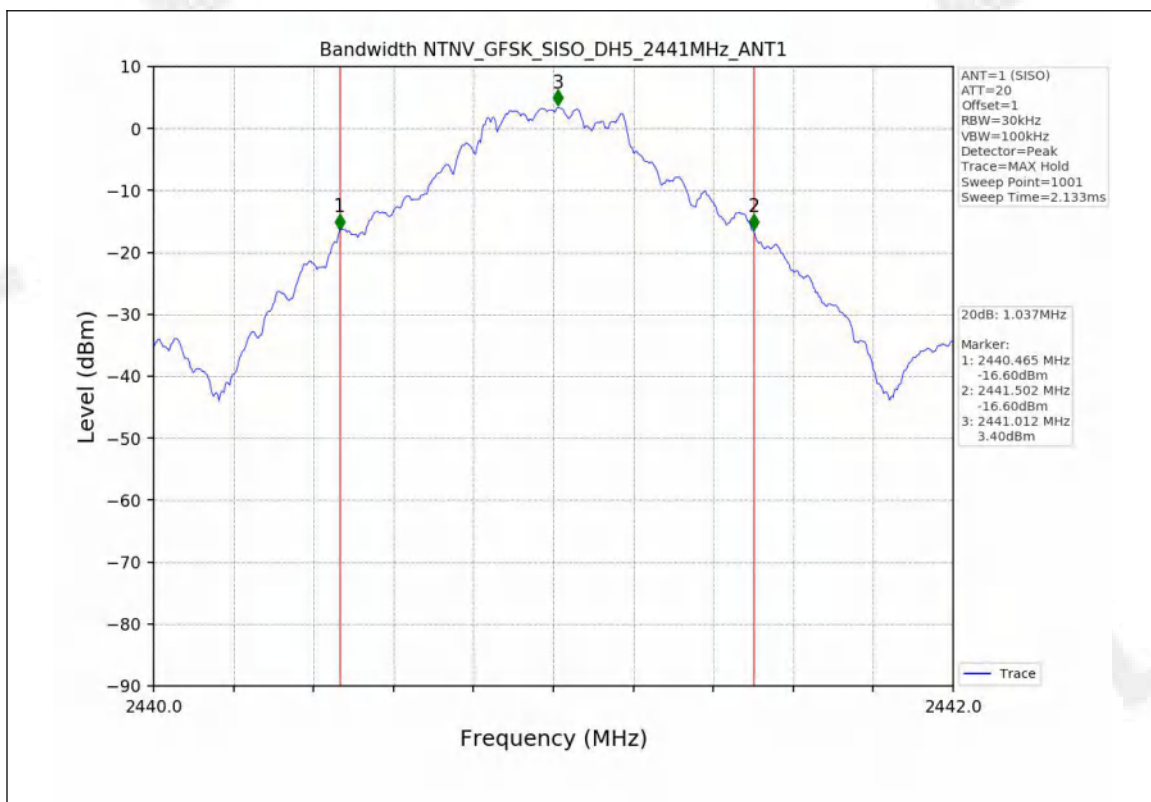
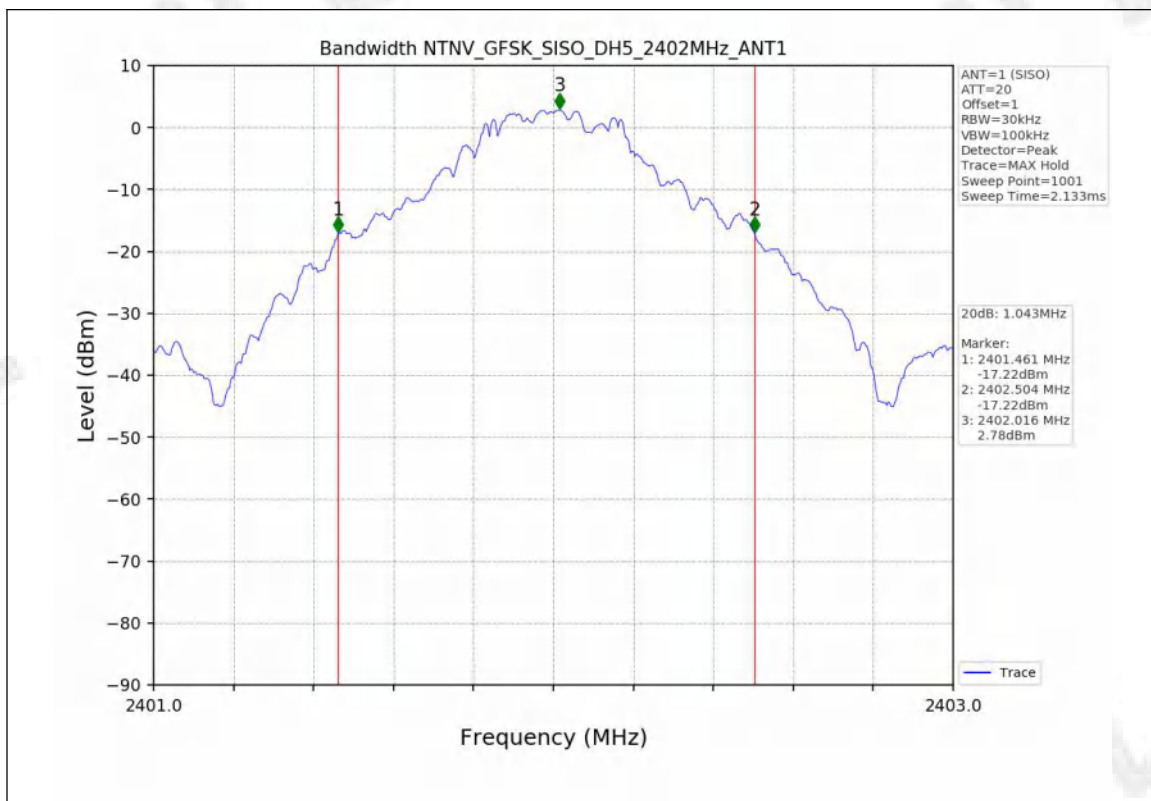
1. Bandwidth

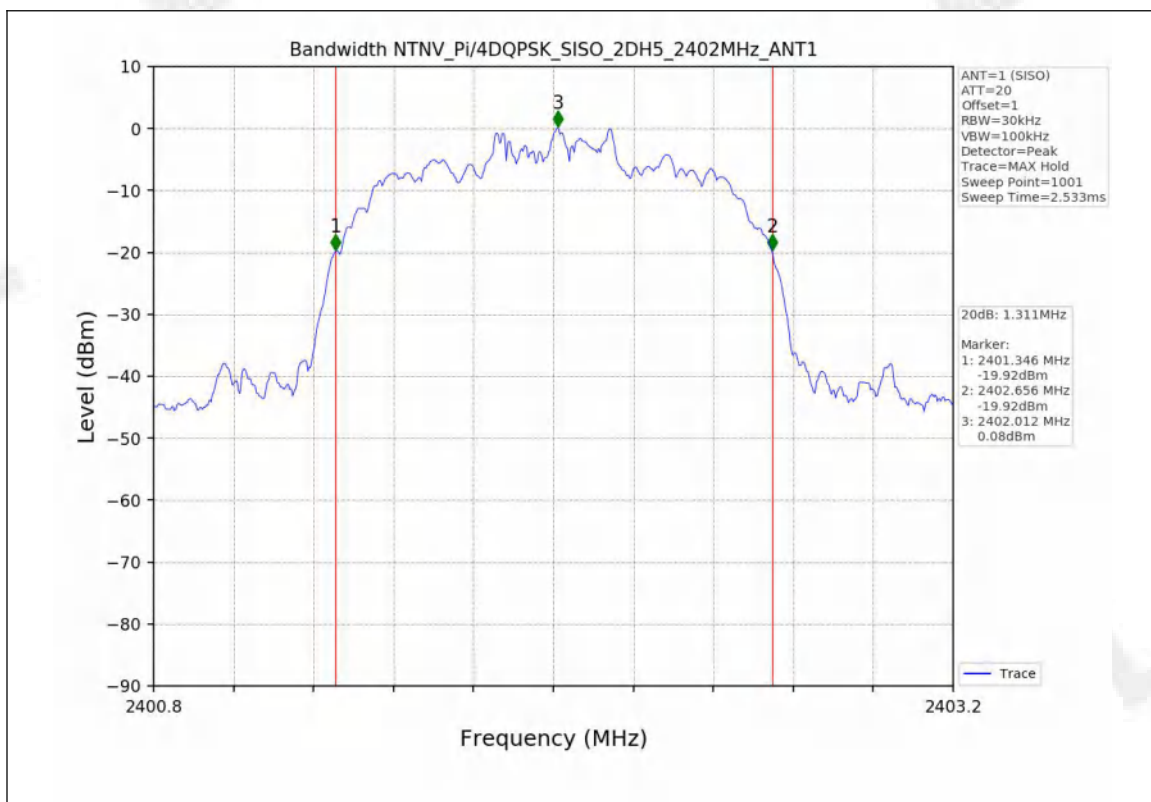
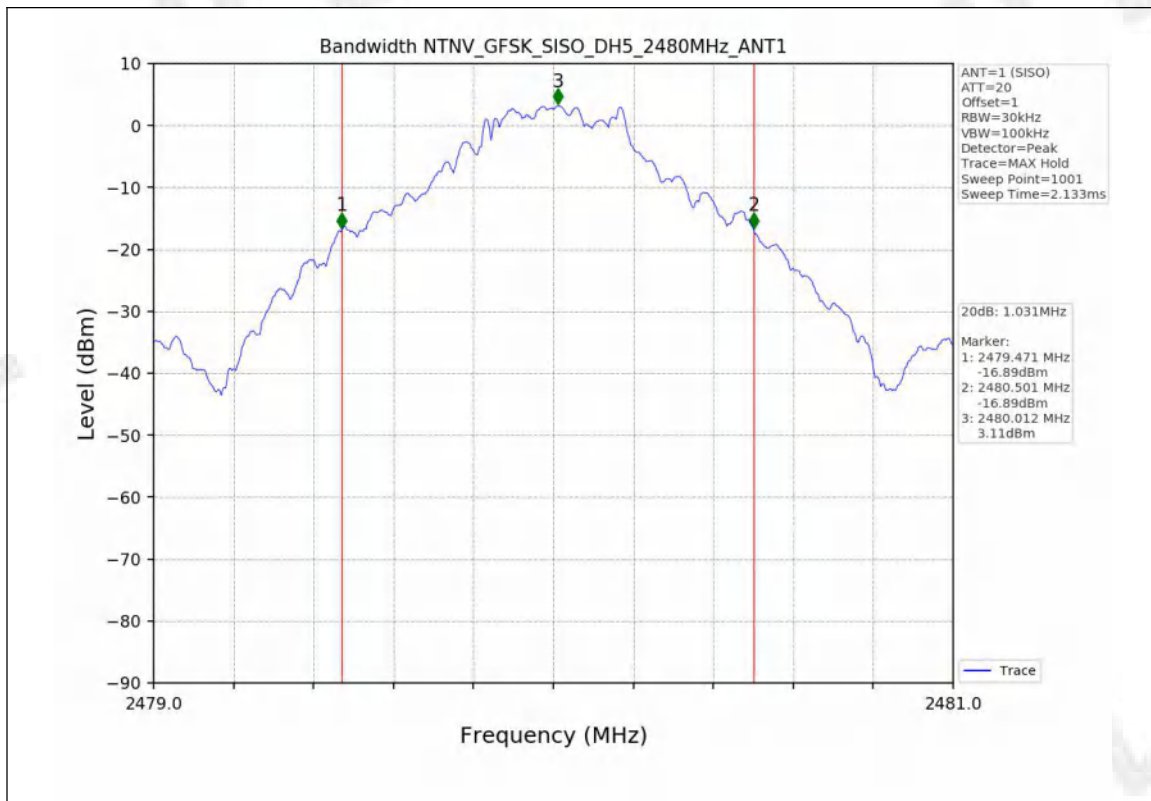
1.1 Test Result

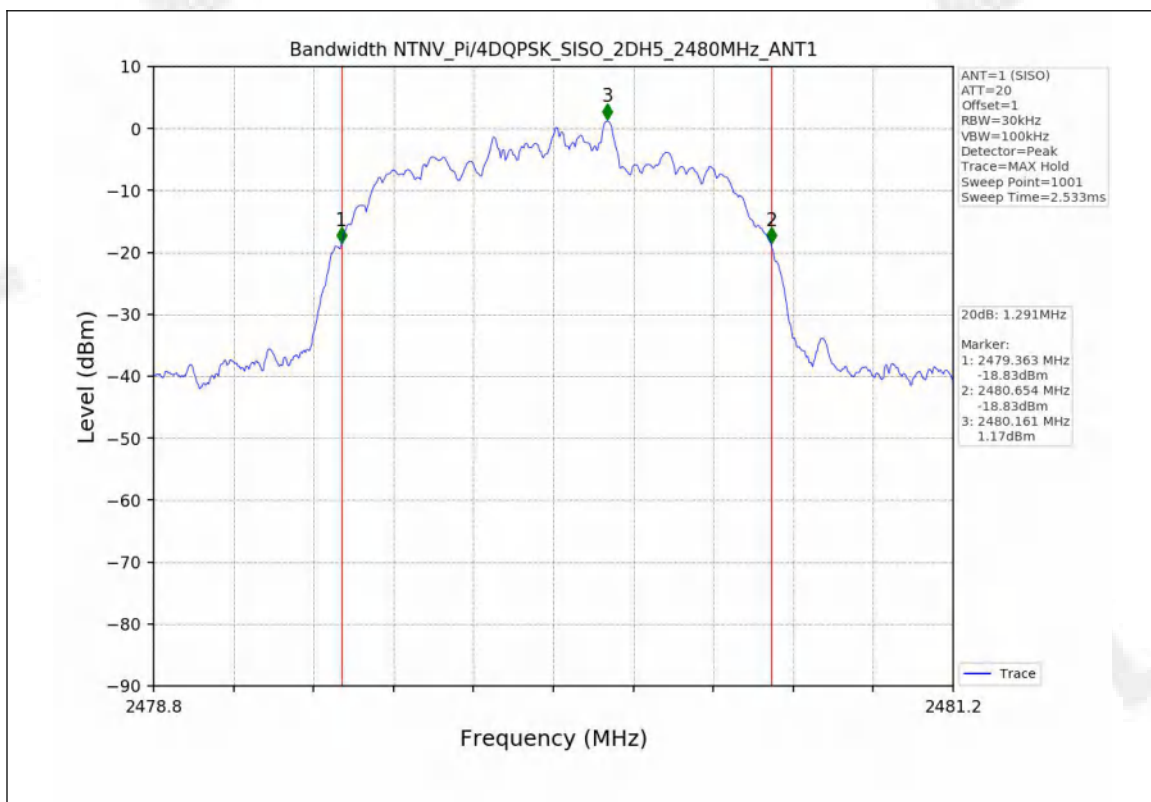
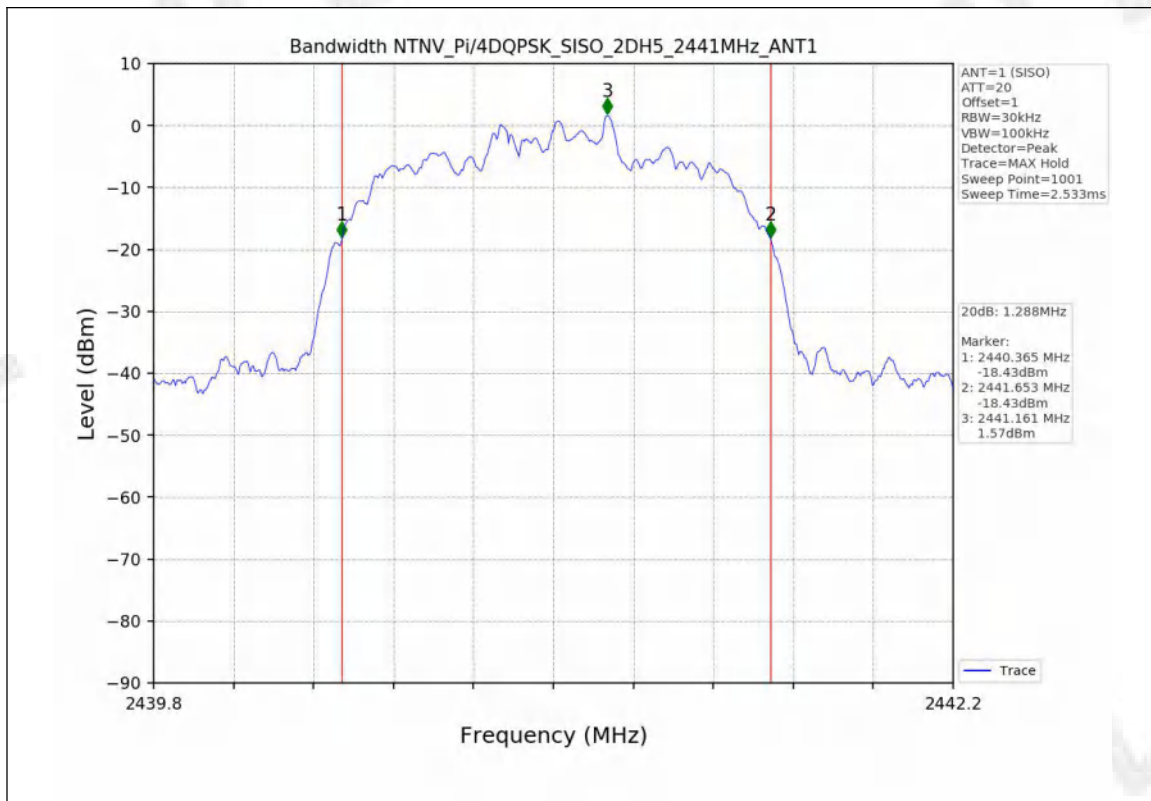
Test Mode	Frequency (MHz)	TX Type	ANT No.	20dB Bandwidth	Verdict
				Test Result (MHz)	
GFSK	2402	SISO	1	1.043	PASS
	2441	SISO	1	1.037	PASS
	2480	SISO	1	1.031	PASS
Pi/4DQPSK	2402	SISO	1	1.311	PASS
	2441	SISO	1	1.288	PASS
	2480	SISO	1	1.291	PASS
8DPSK	2402	SISO	1	1.288	PASS
	2441	SISO	1	1.289	PASS
	2480	SISO	1	1.299	PASS

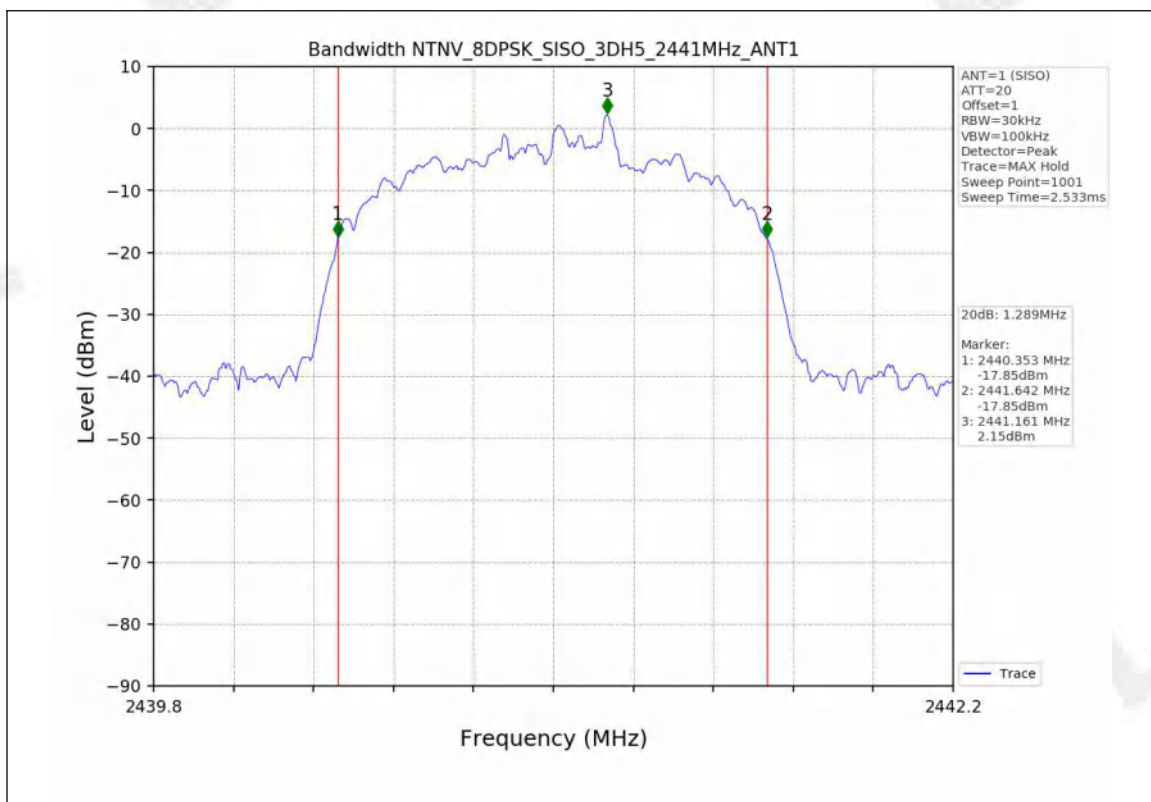
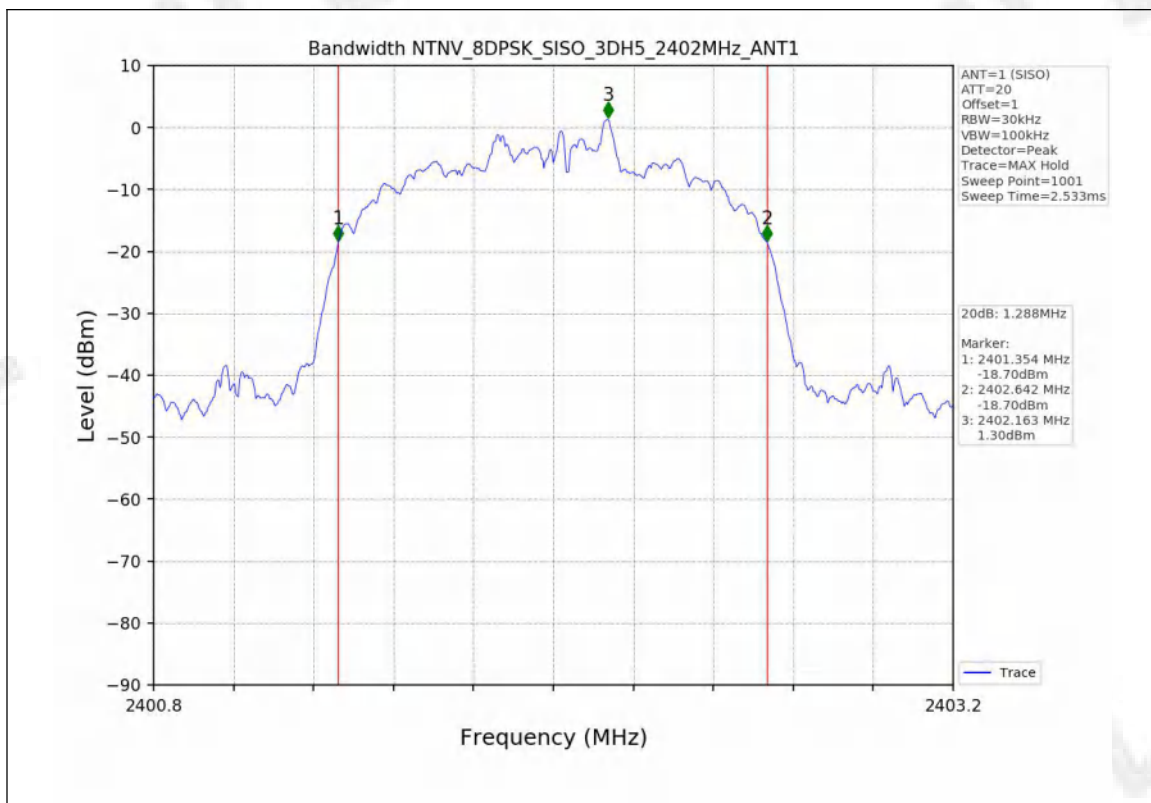
Test Mode	Frequency (MHz)	TX Type	ANT No.	99% Occupied Bandwidth	
				Test Result (MHz)	
GFSK	2402	SISO	1	0.900	Only for Report Use
	2441	SISO	1	0.893	Only for Report Use
	2480	SISO	1	0.894	Only for Report Use
Pi/4DQPSK	2402	SISO	1	1.168	Only for Report Use
	2441	SISO	1	1.173	Only for Report Use
	2480	SISO	1	1.172	Only for Report Use
8DPSK	2402	SISO	1	1.177	Only for Report Use
	2441	SISO	1	1.182	Only for Report Use
	2480	SISO	1	1.187	Only for Report Use

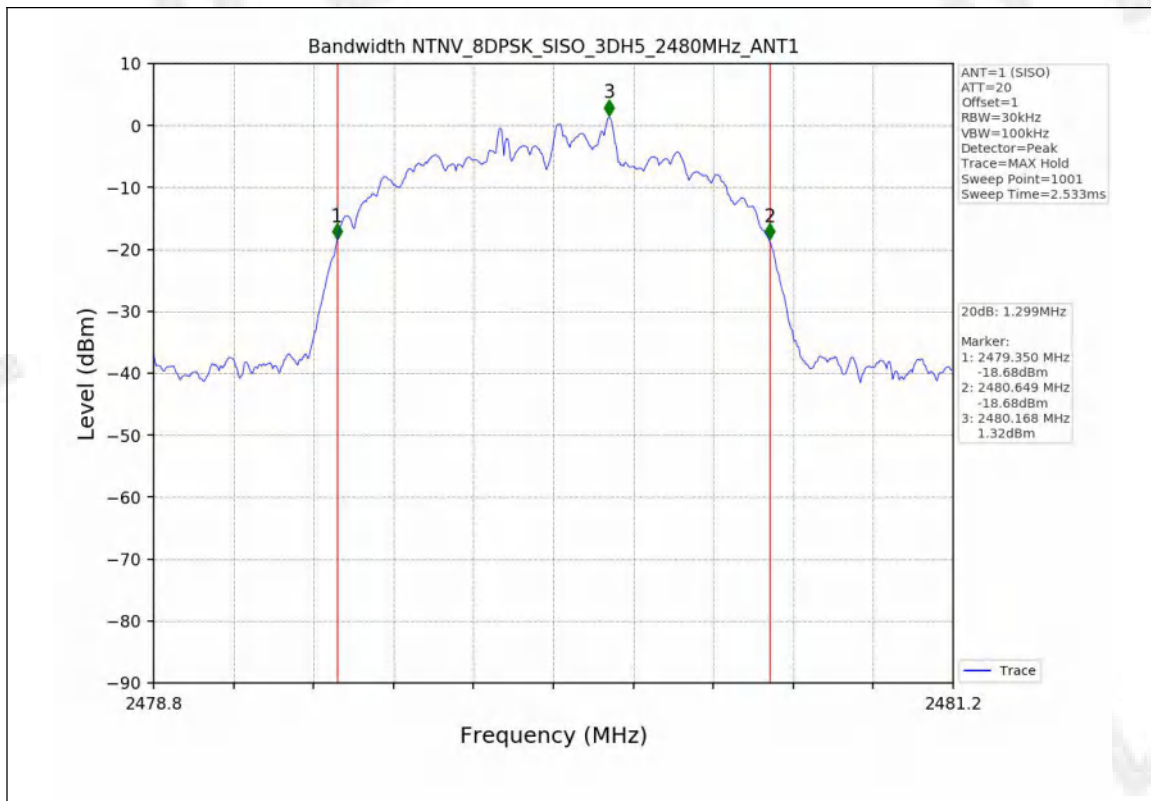
1.2 Test Graph - 20dB Bandwidth



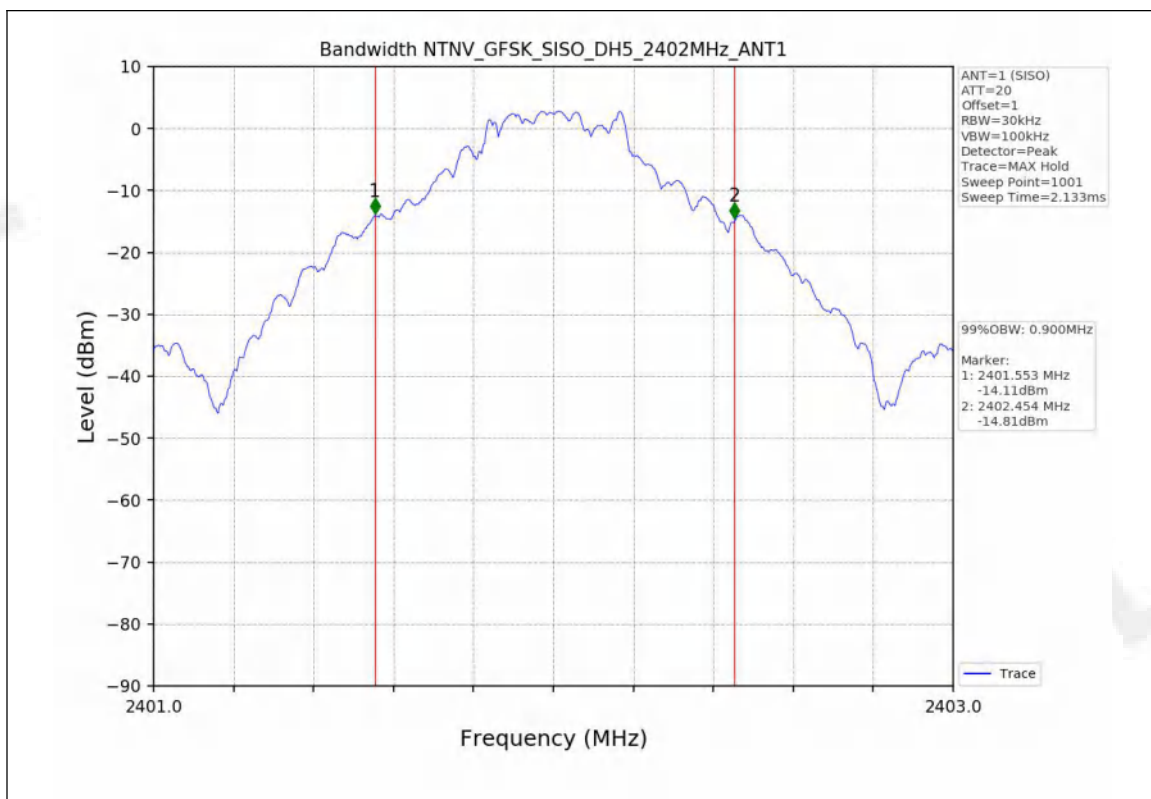


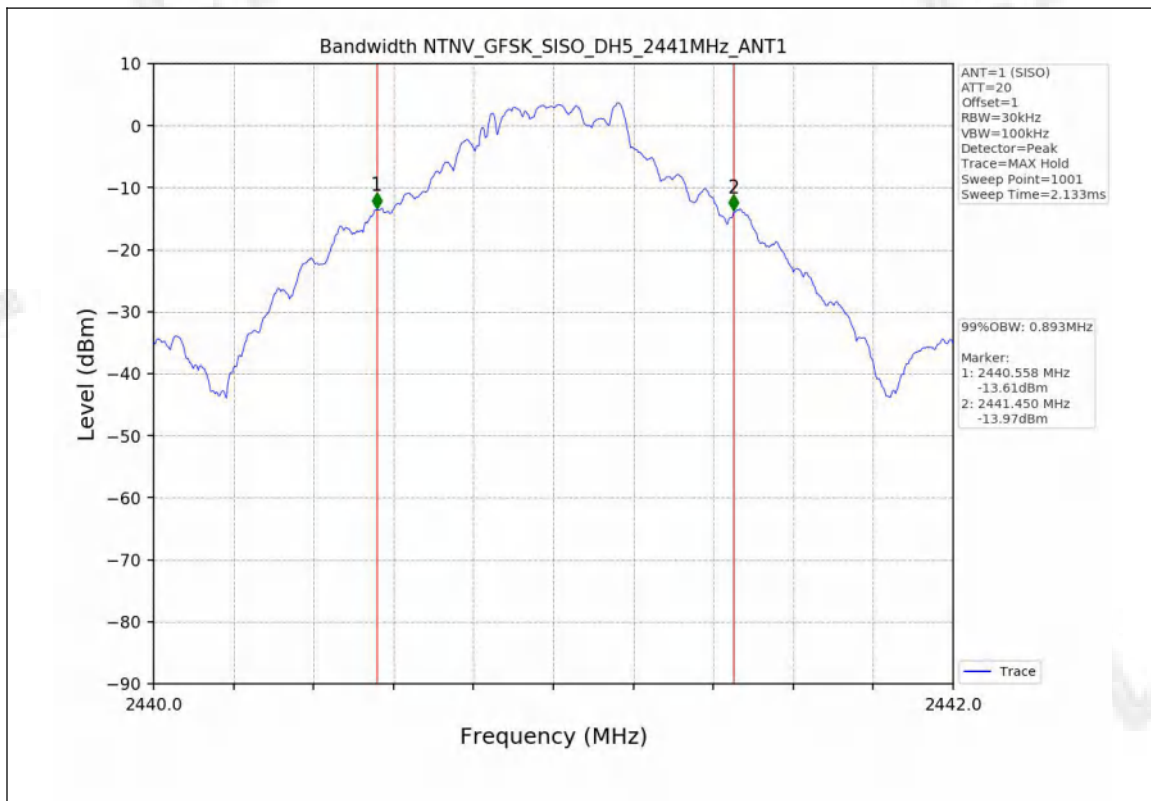


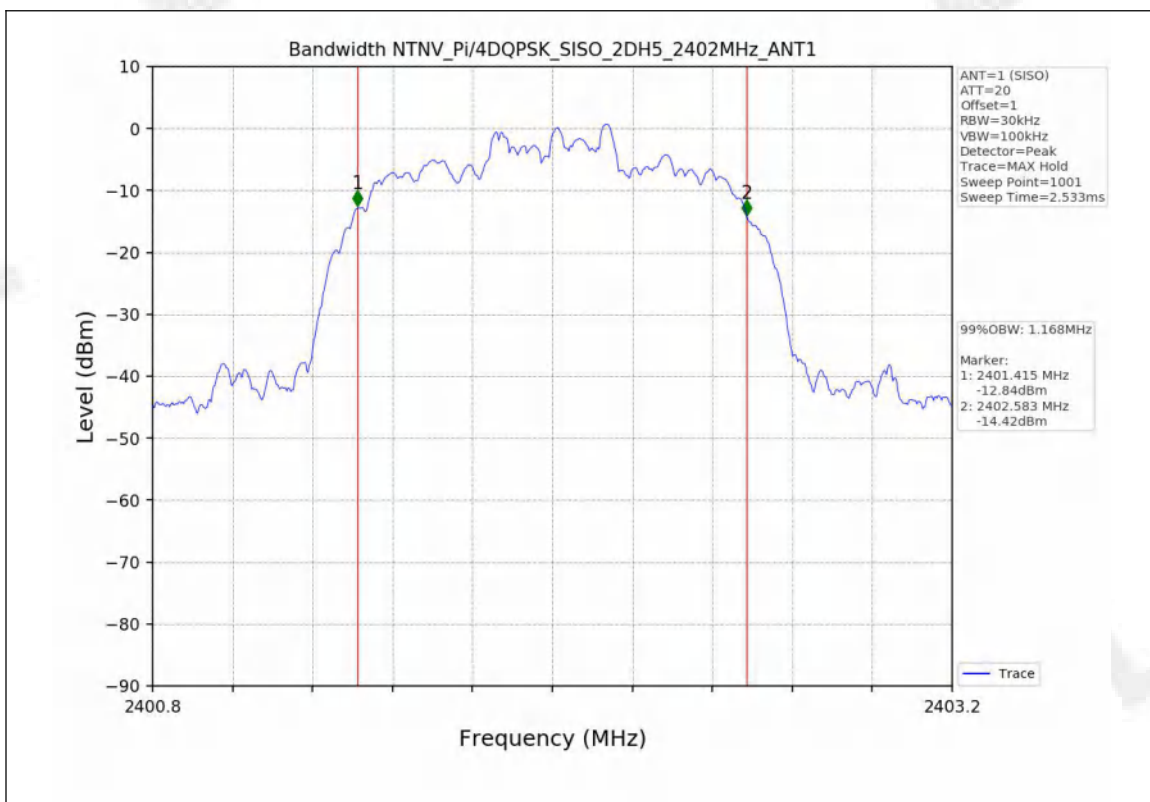
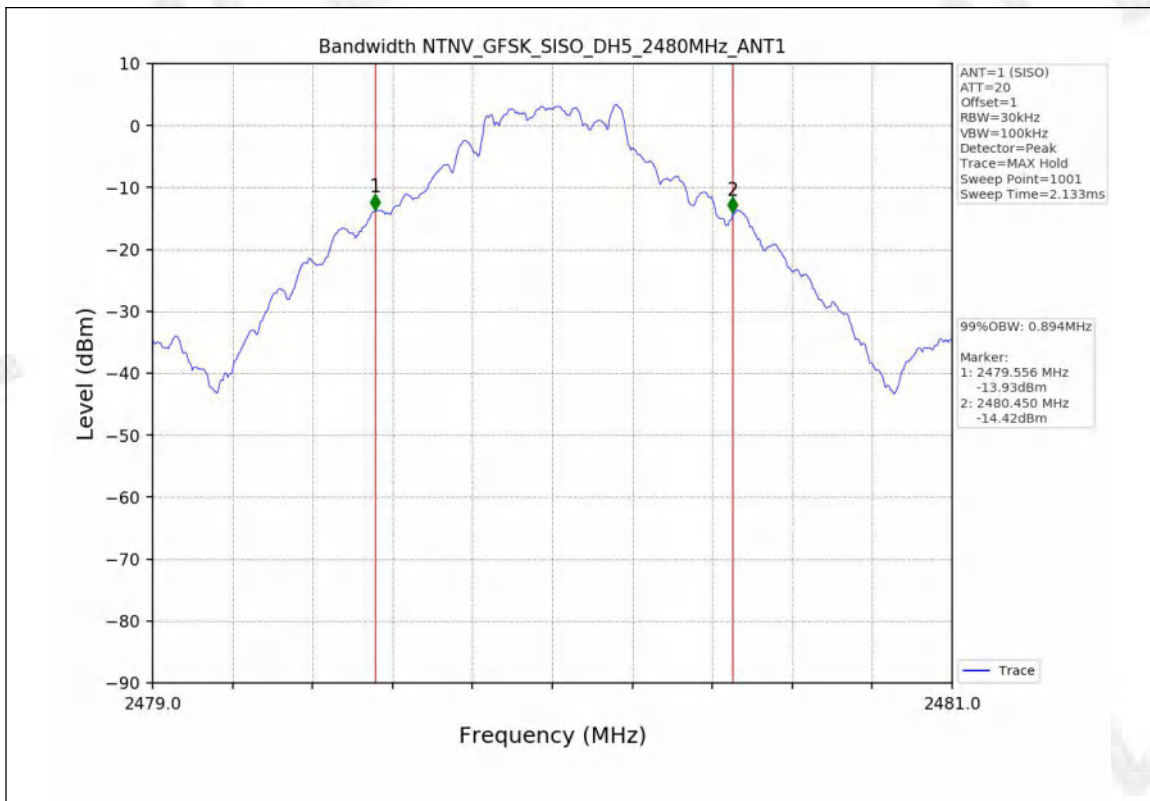


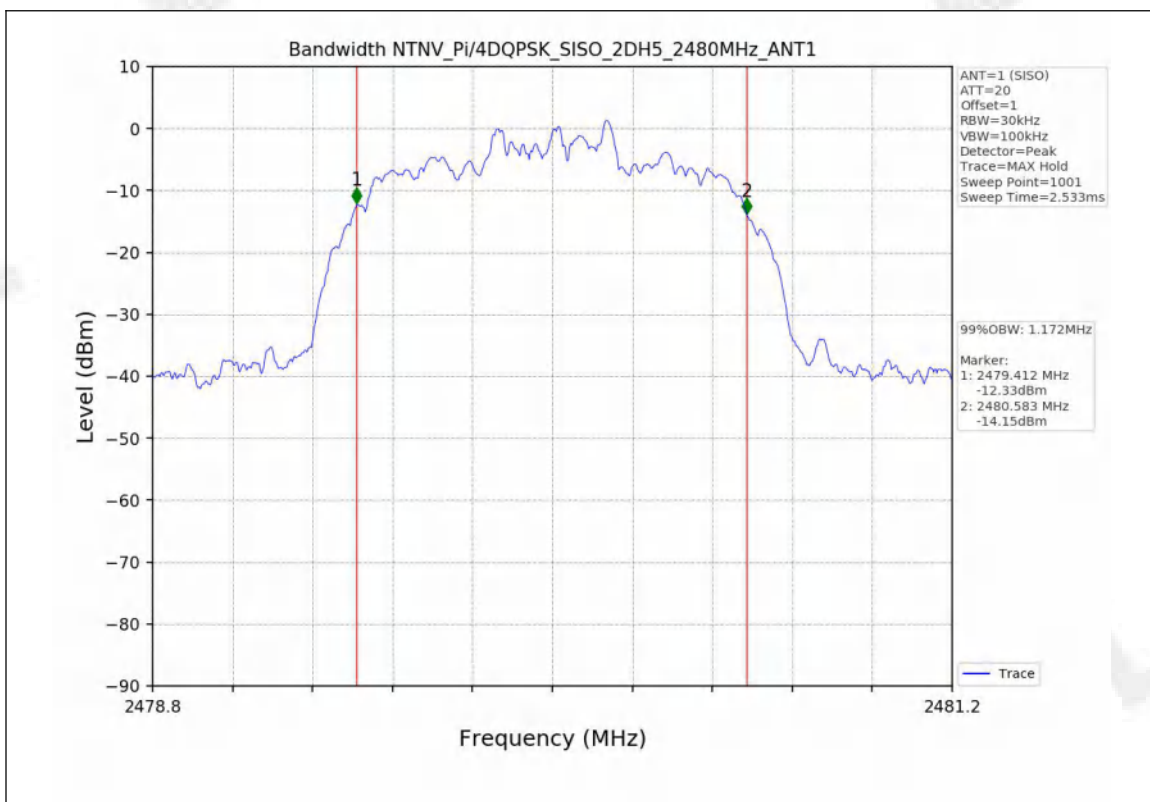
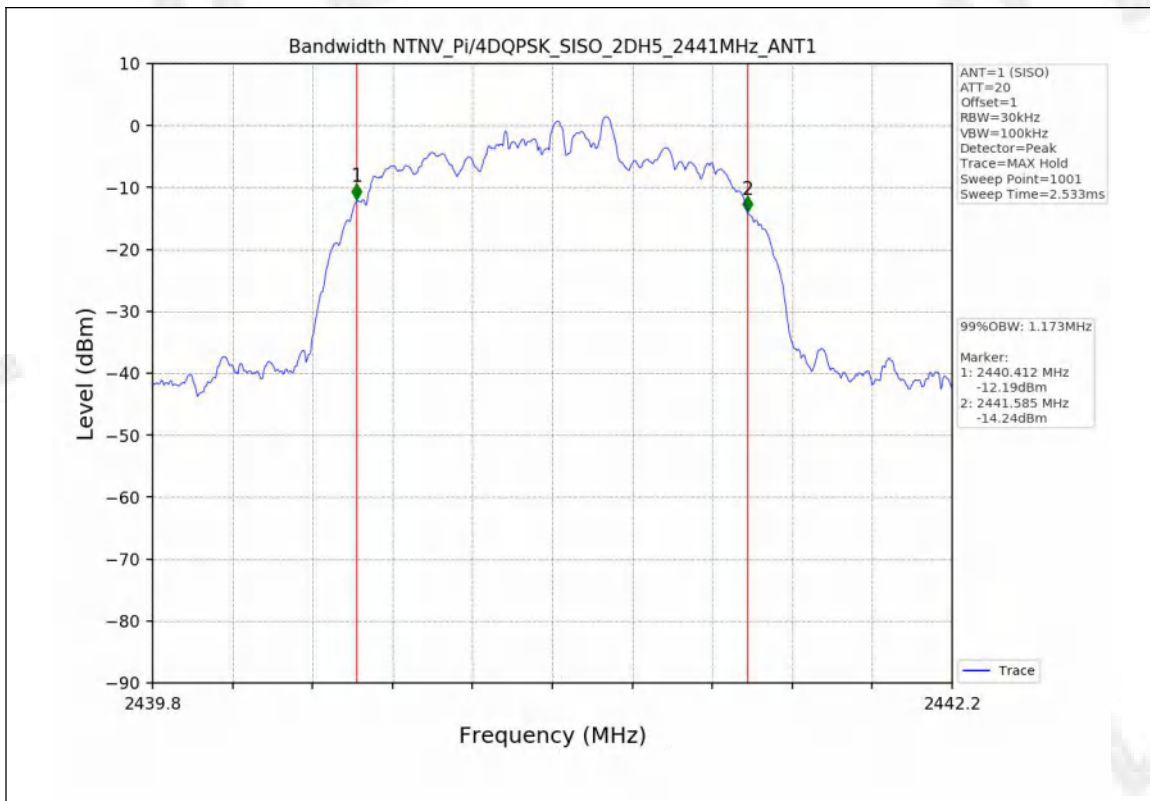


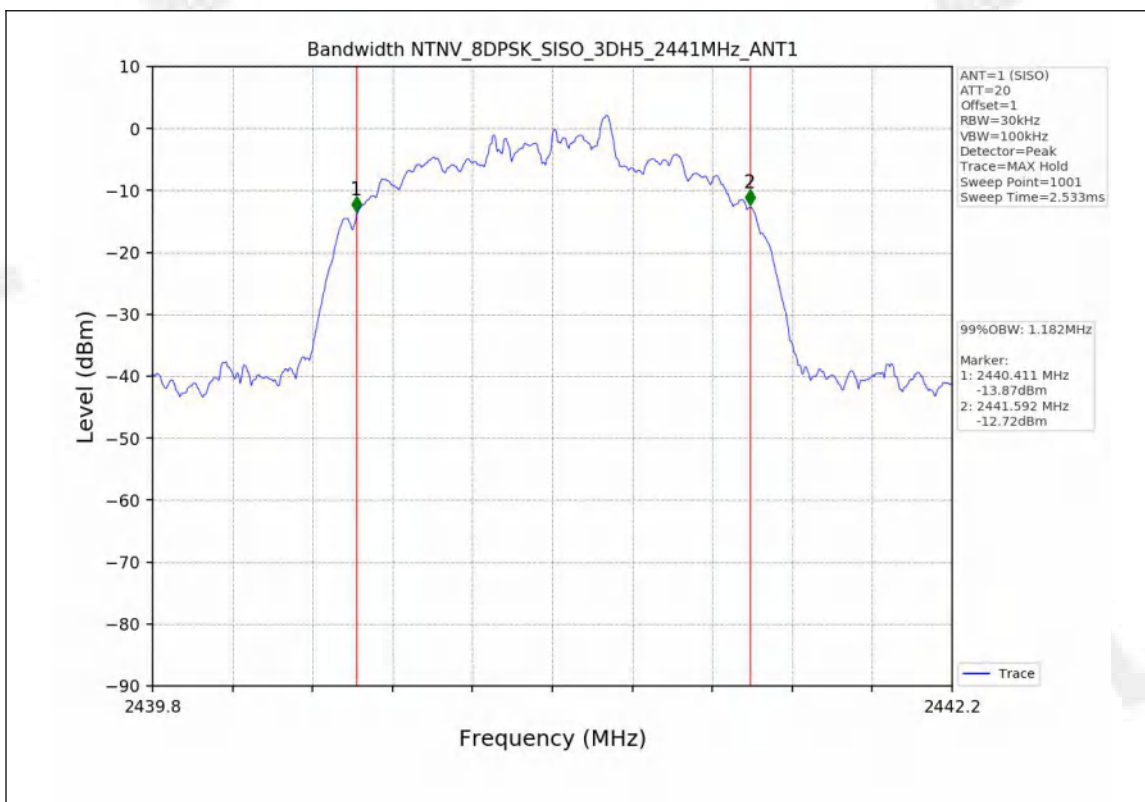
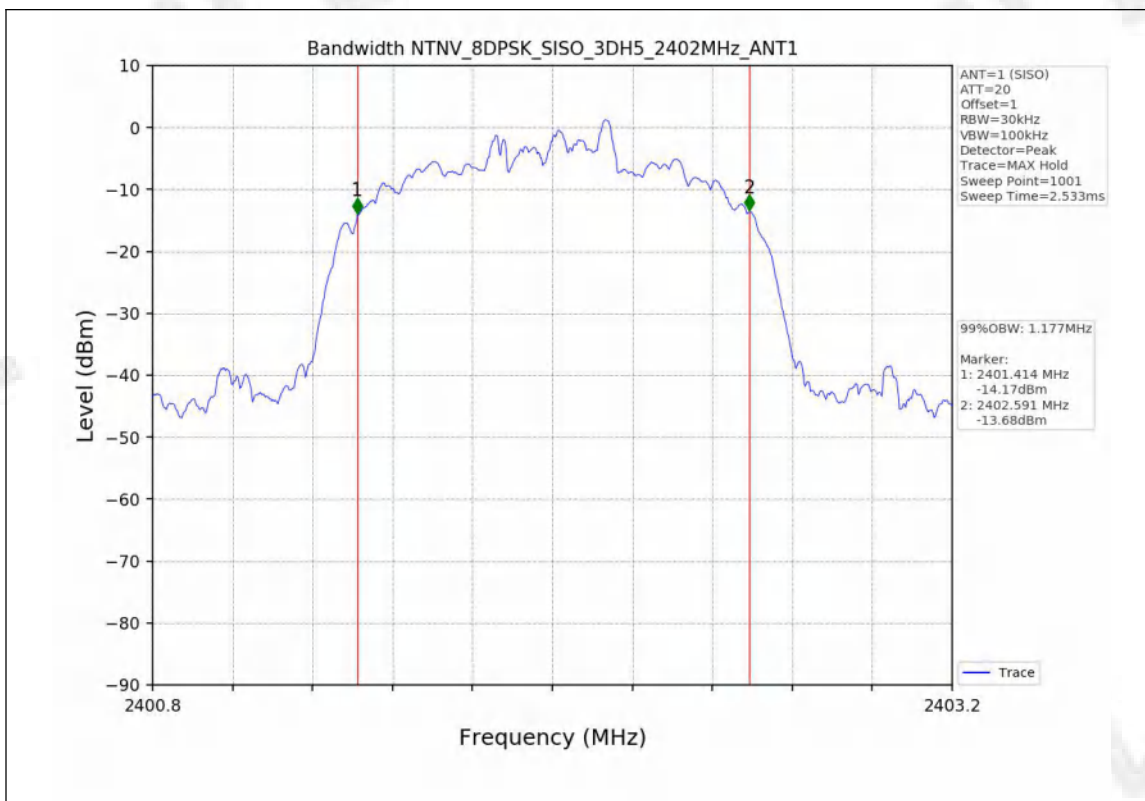
1.3 Test Graph - 99% Occupied Bandwidth

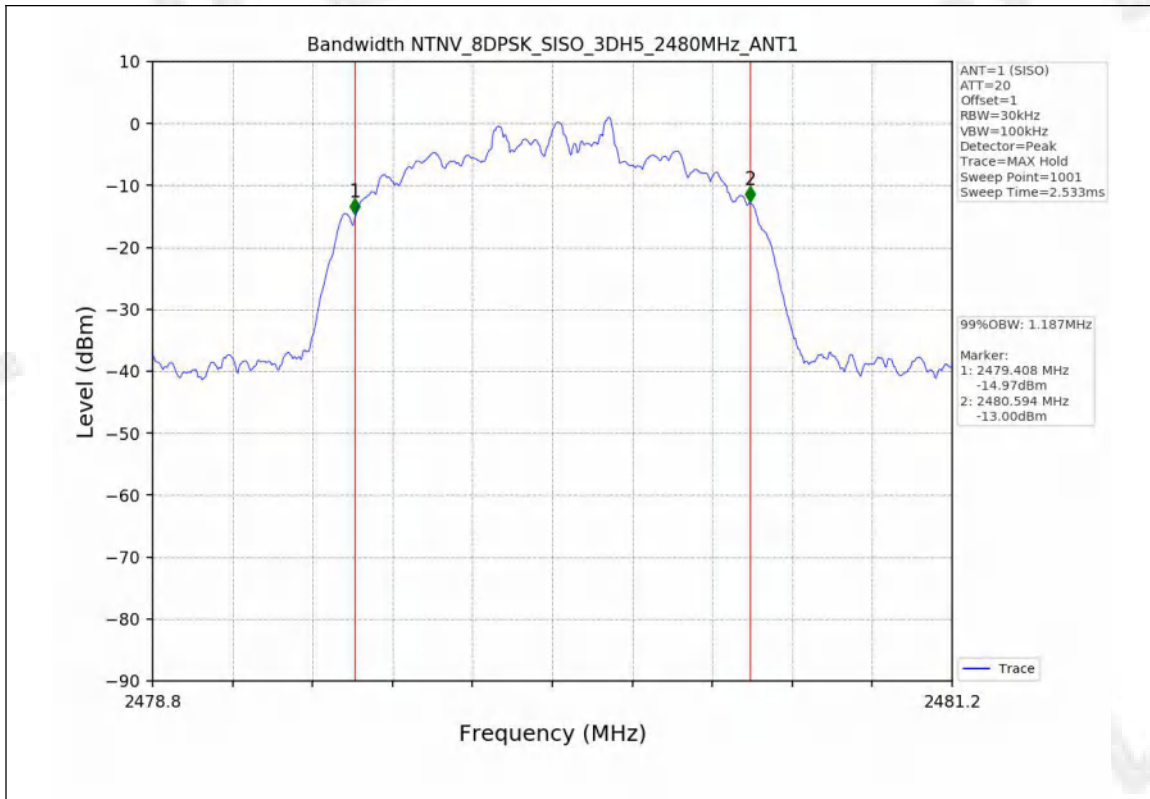










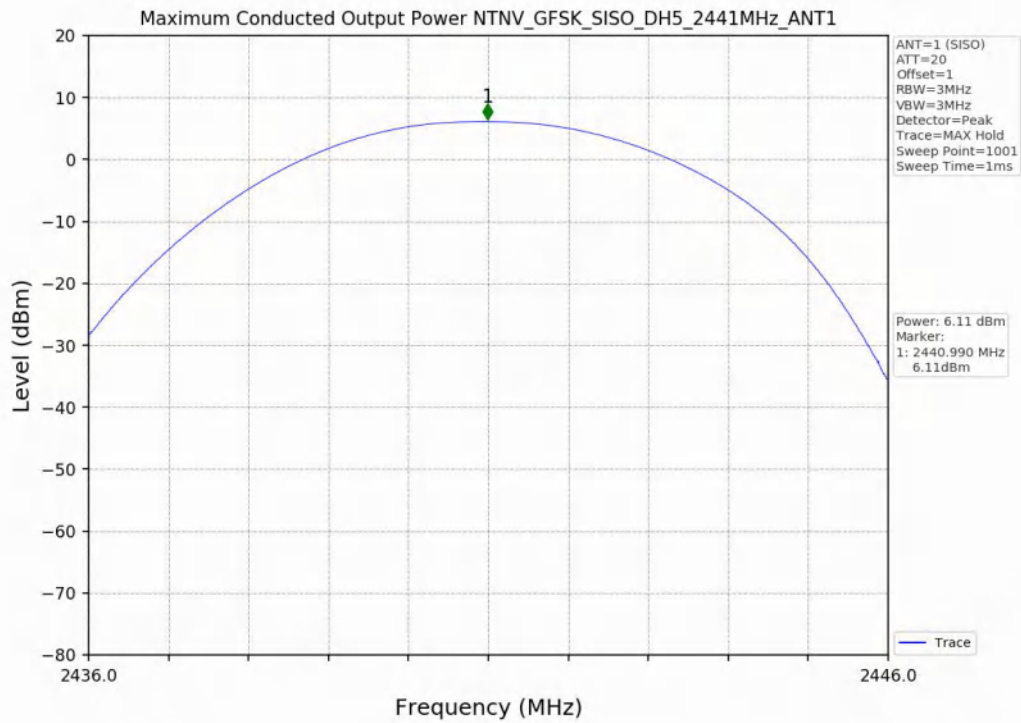
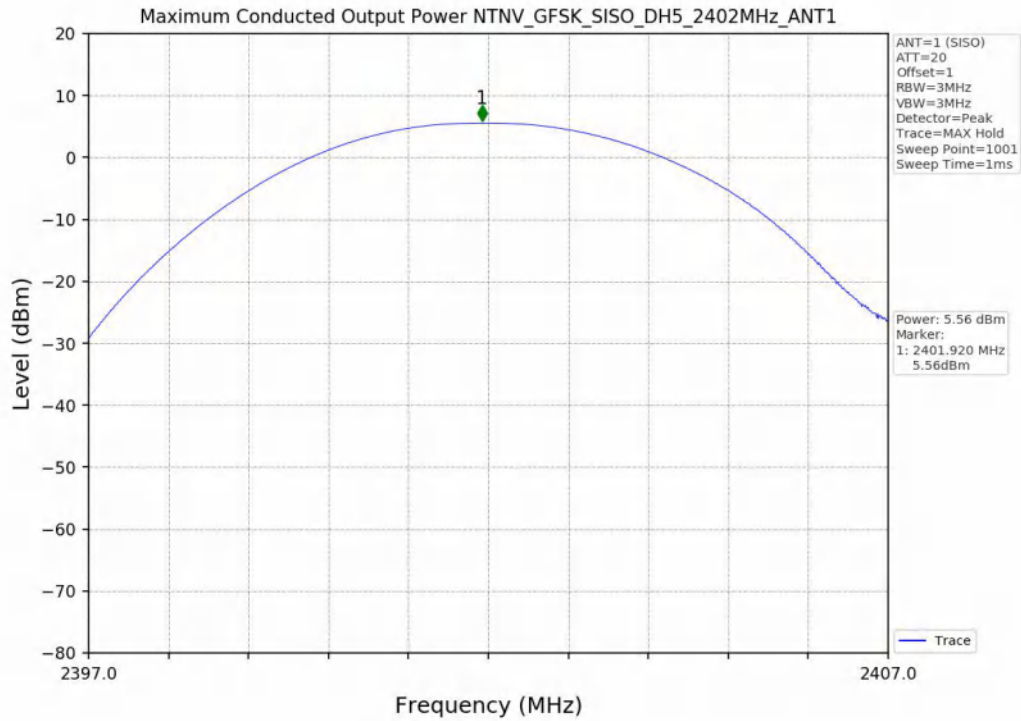


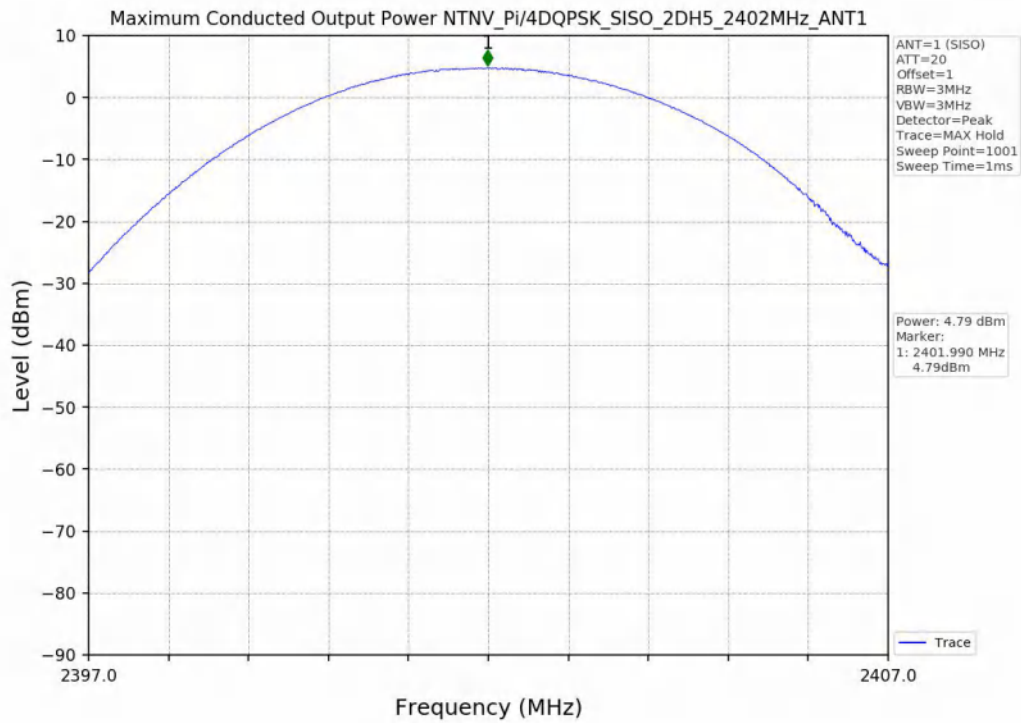
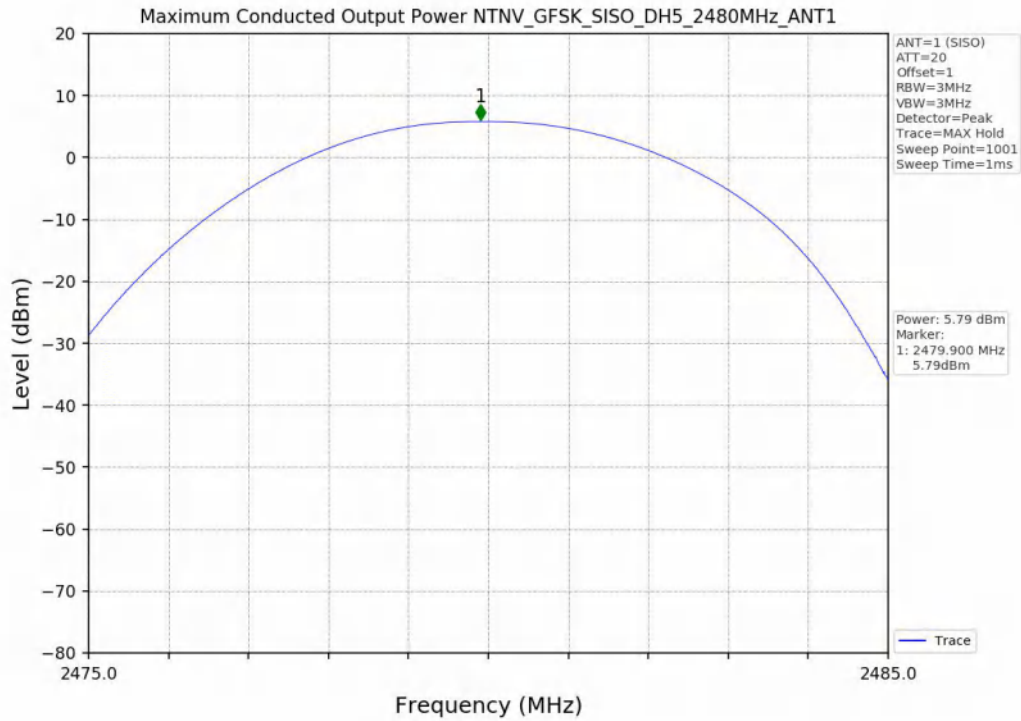
2. Maximum Conducted Output Power

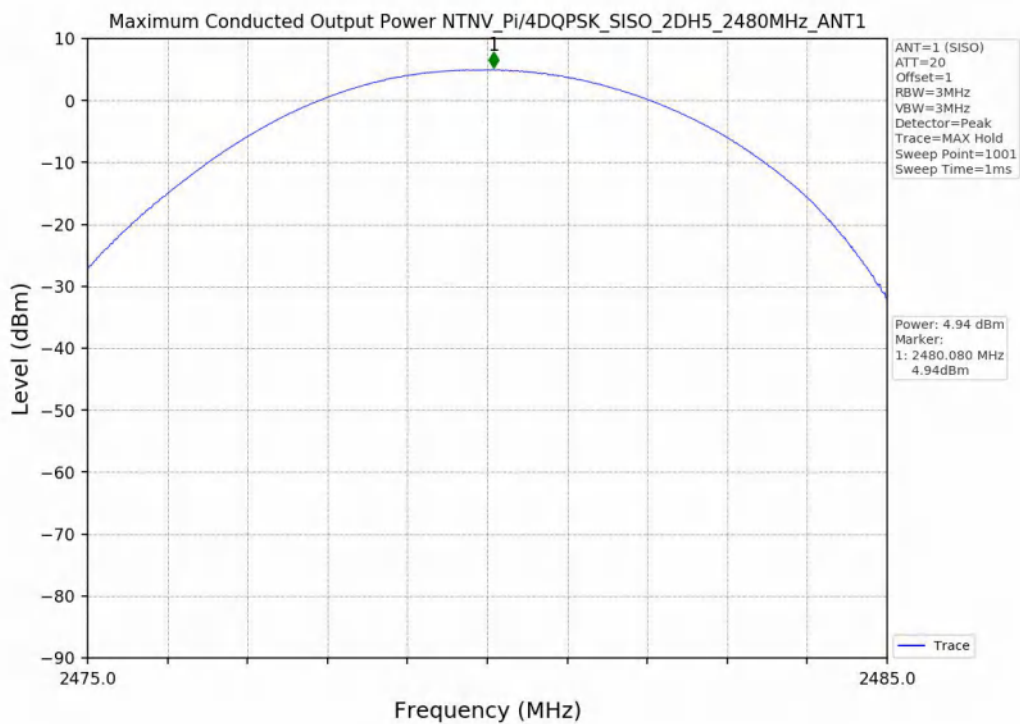
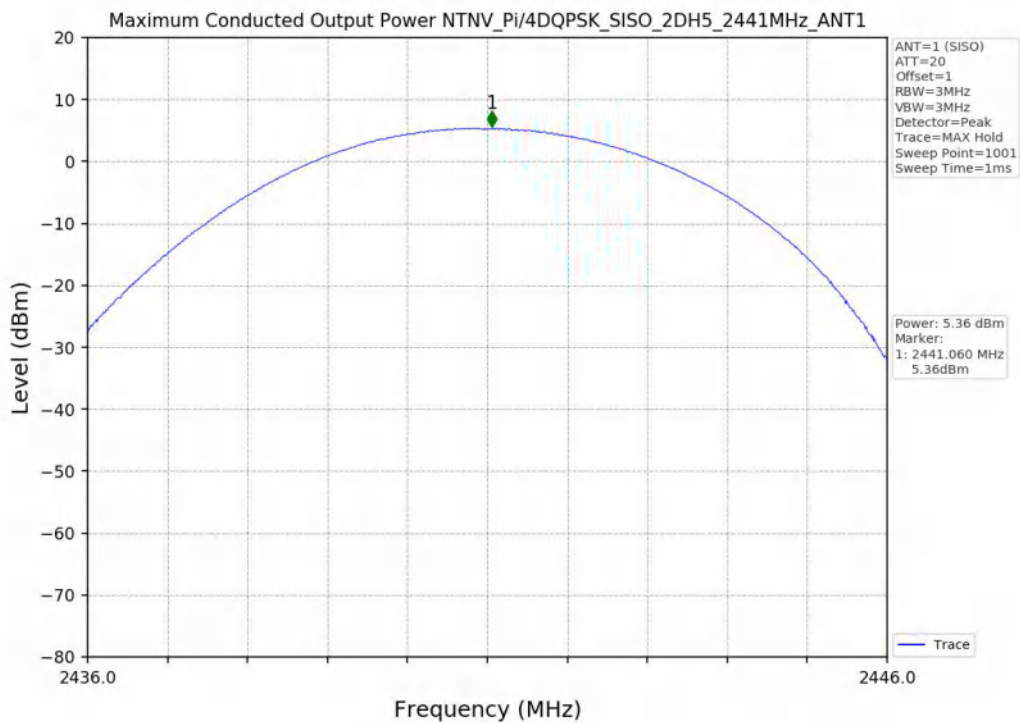
2.1 Test Result

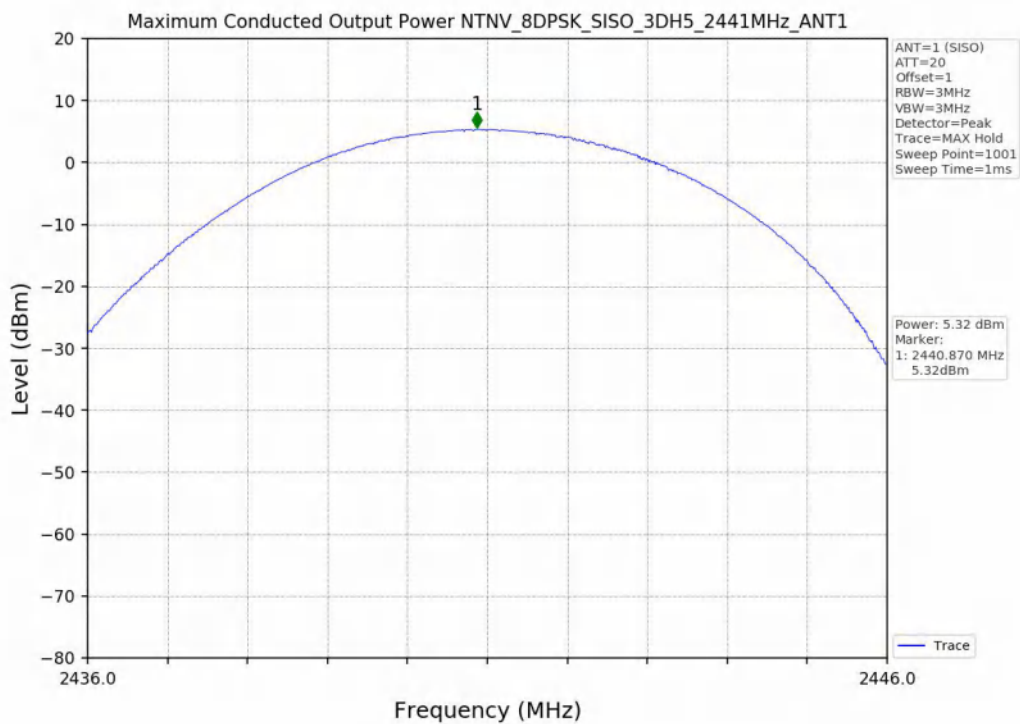
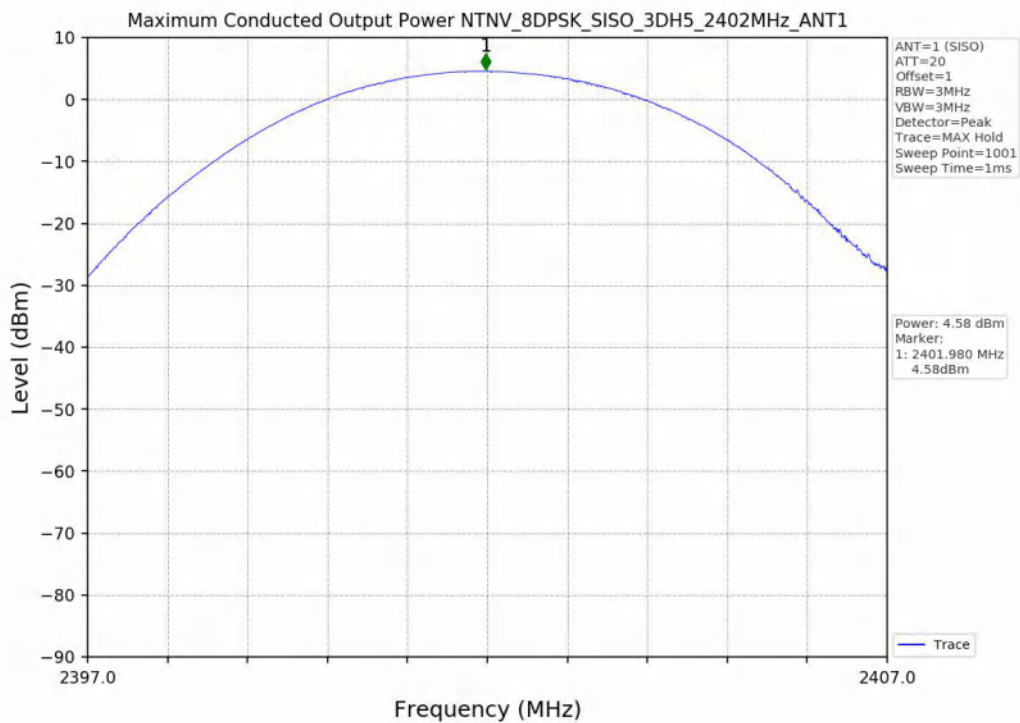
Test Mode	Frequency (MHz)	Tx Type	Measured Peak Output Power (dBm)	Limits (dBm)	Verdict
			Ant 1		
GFSK	2402	SISO	5.56	20.97	PASS
	2441	SISO	6.11	20.97	PASS
	2480	SISO	5.79	20.97	PASS
Pi/4DQPSK	2402	SISO	4.79	20.97	PASS
	2441	SISO	5.36	20.97	PASS
	2480	SISO	4.94	20.97	PASS
8DPSK	2402	SISO	4.58	20.97	PASS
	2441	SISO	5.32	20.97	PASS
	2480	SISO	4.95	20.97	PASS

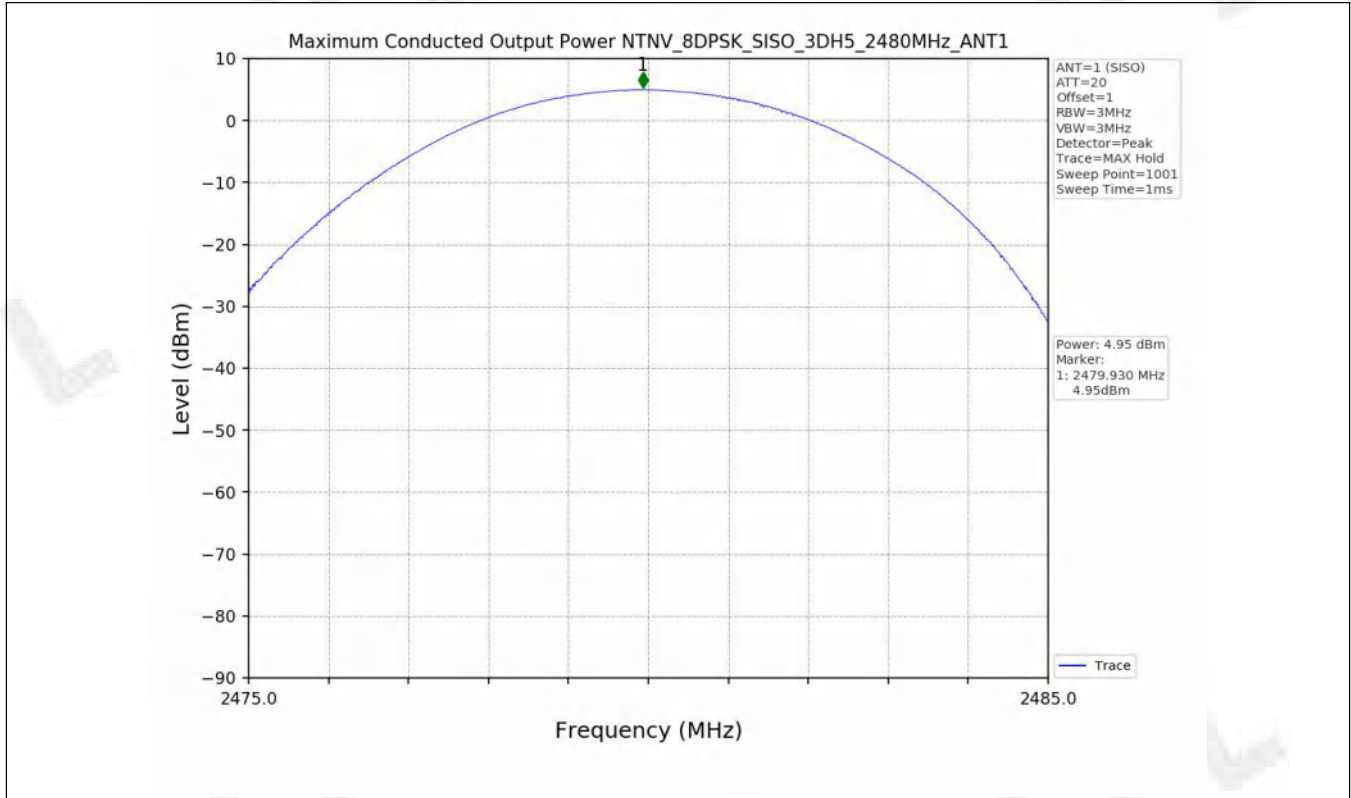
2.2 Test Graph









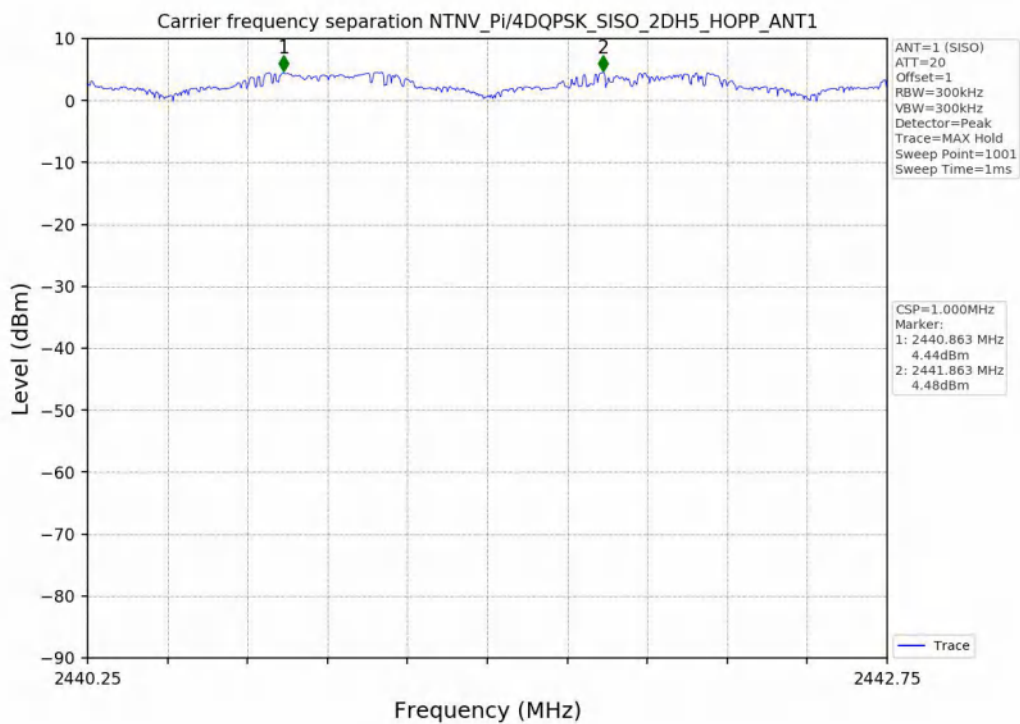
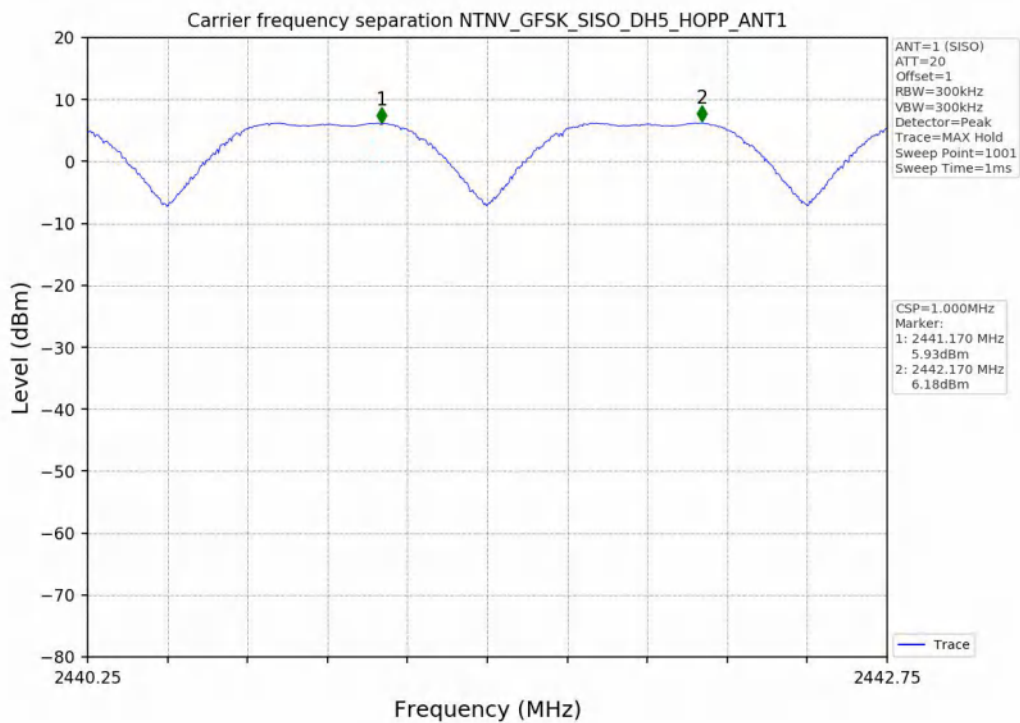


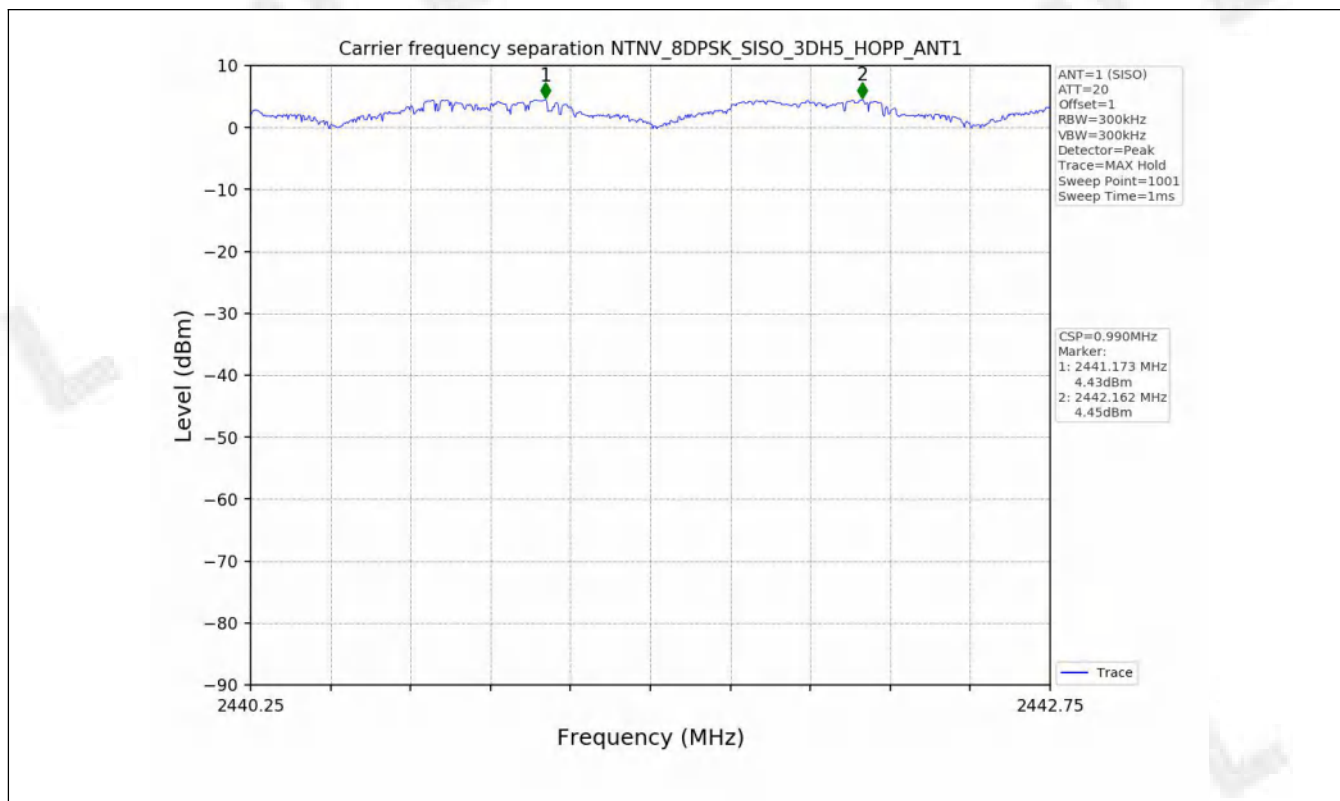
3. Carrier frequency separation

3.1 Test Result

Test Mode	TX Type	ANT No.	Channel Separation (MHz)	20dB Bandwidth (MHz)	Limits (MHz)	Verdict
GFSK	SISO	1	1.000	1.043	≥ 0.695	PASS
Pi/4DQPSK	SISO	1	1.000	1.311	≥ 0.874	PASS
8DPSK	SISO	1	0.990	1.299	≥ 0.866	PASS

3.2 Test Graph



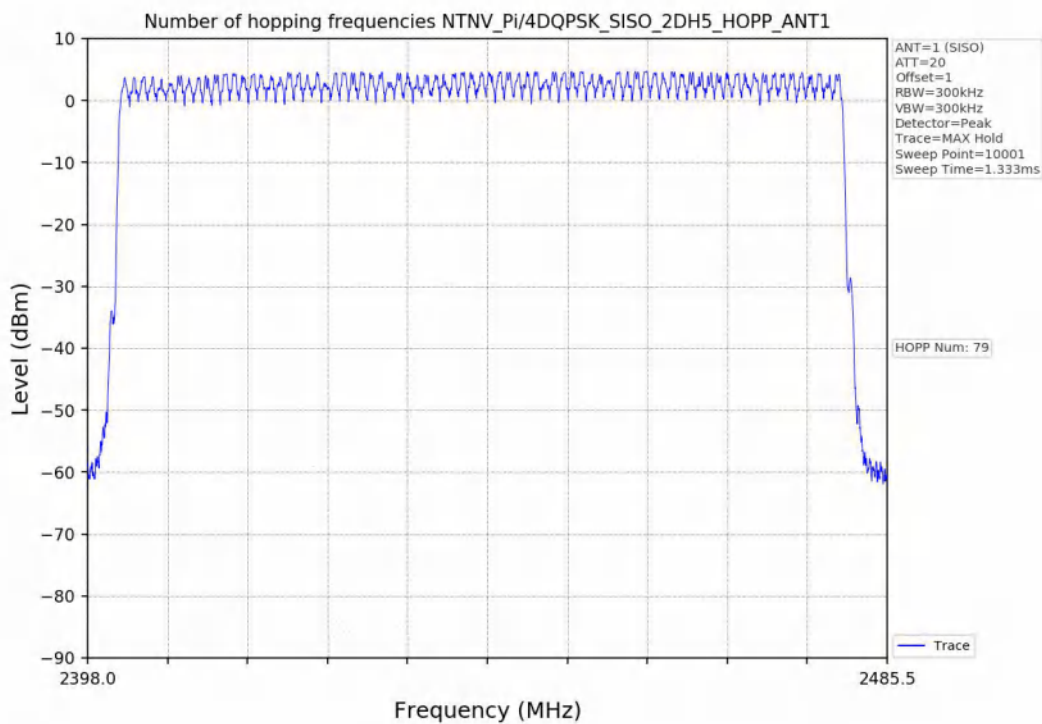
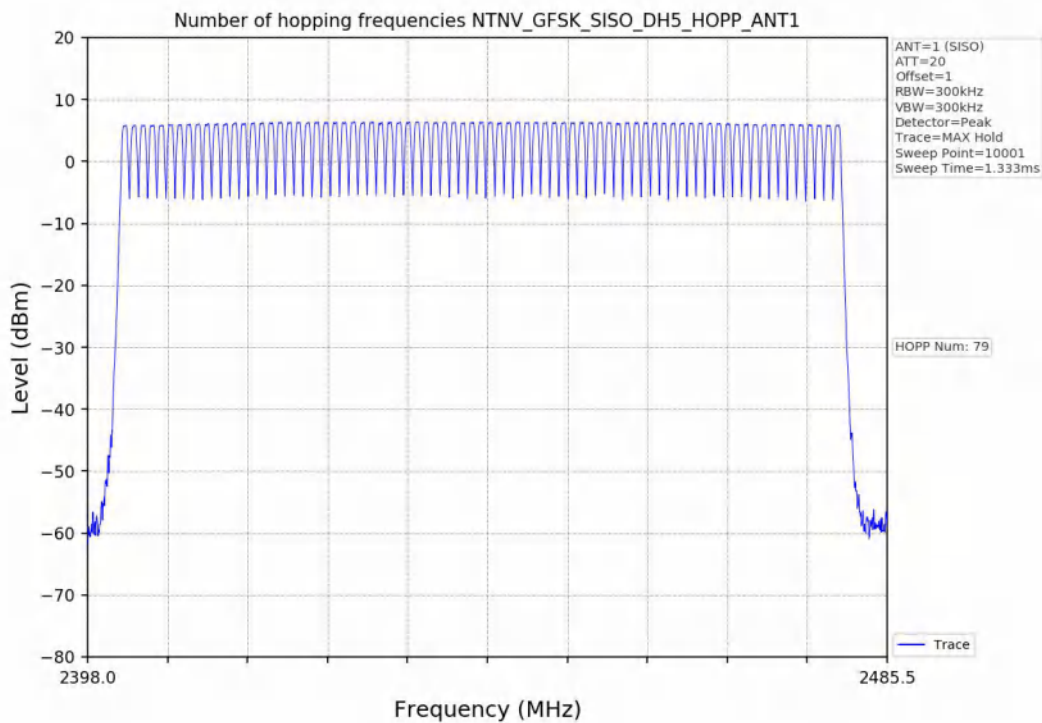


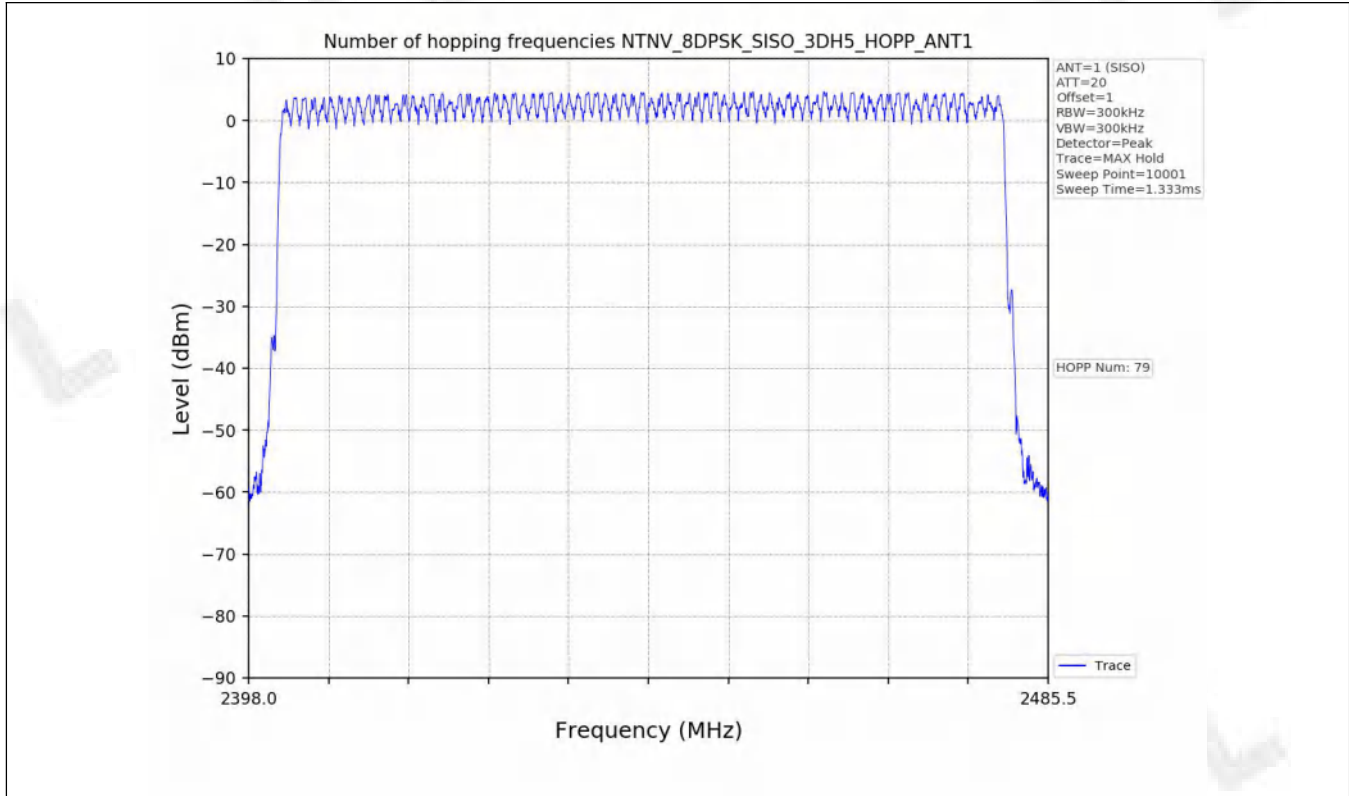
4. Number of hopping frequencies

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



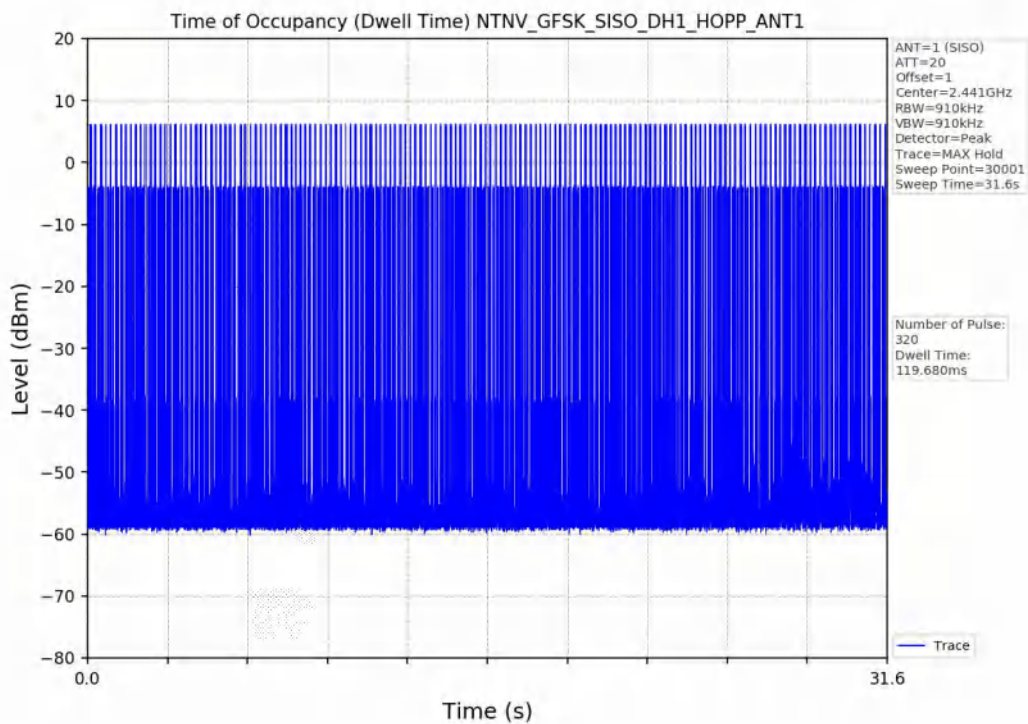
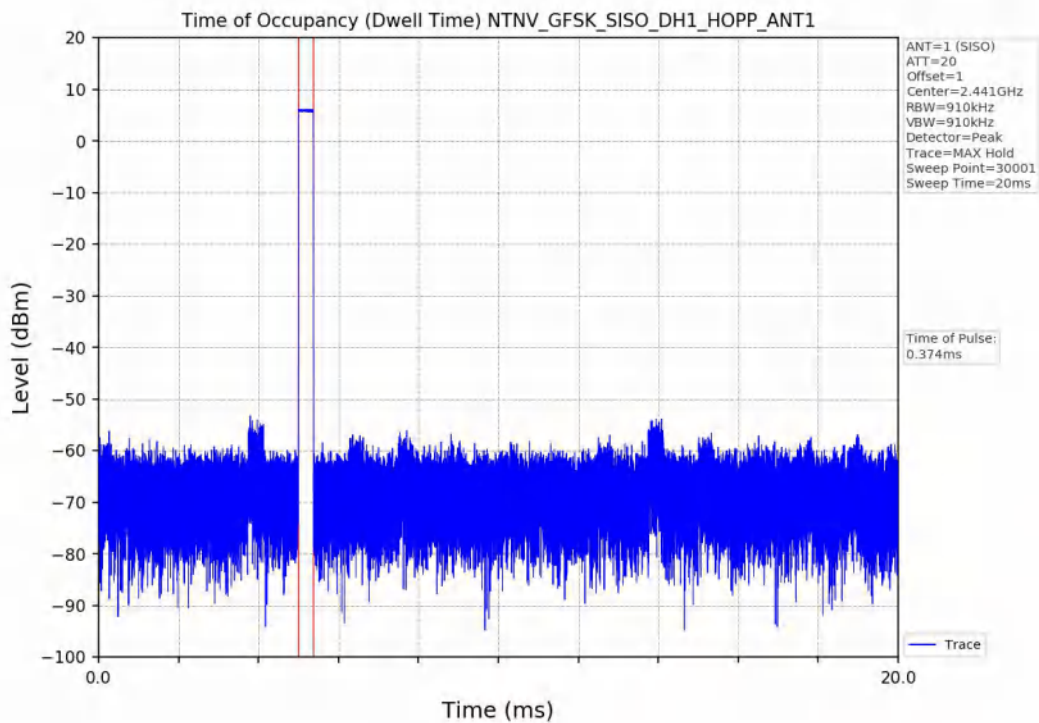


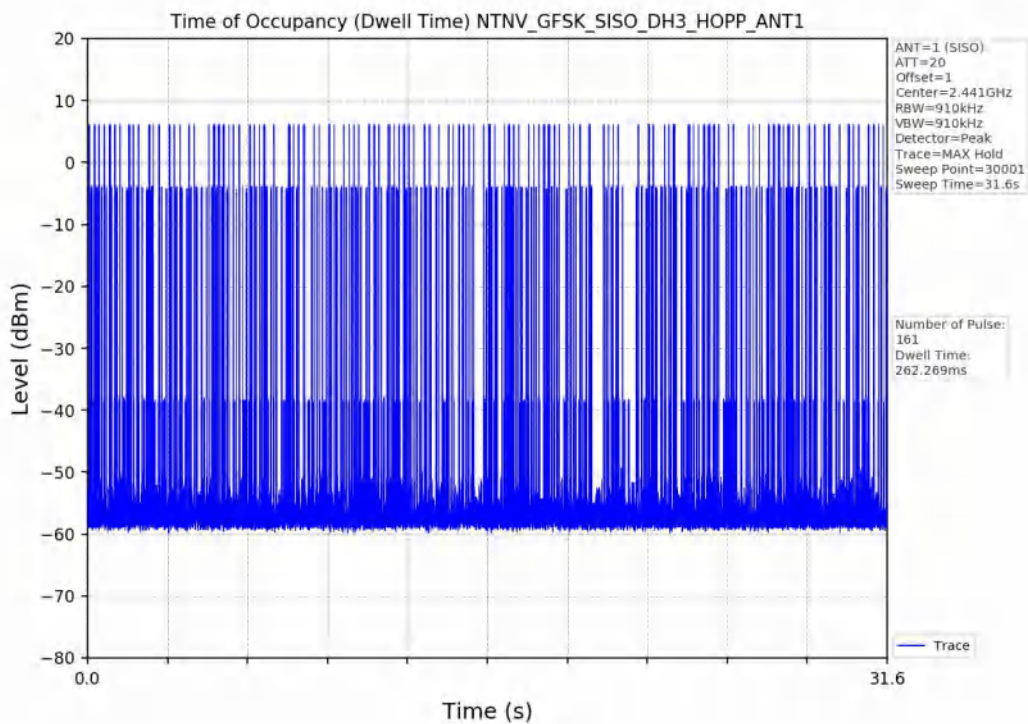
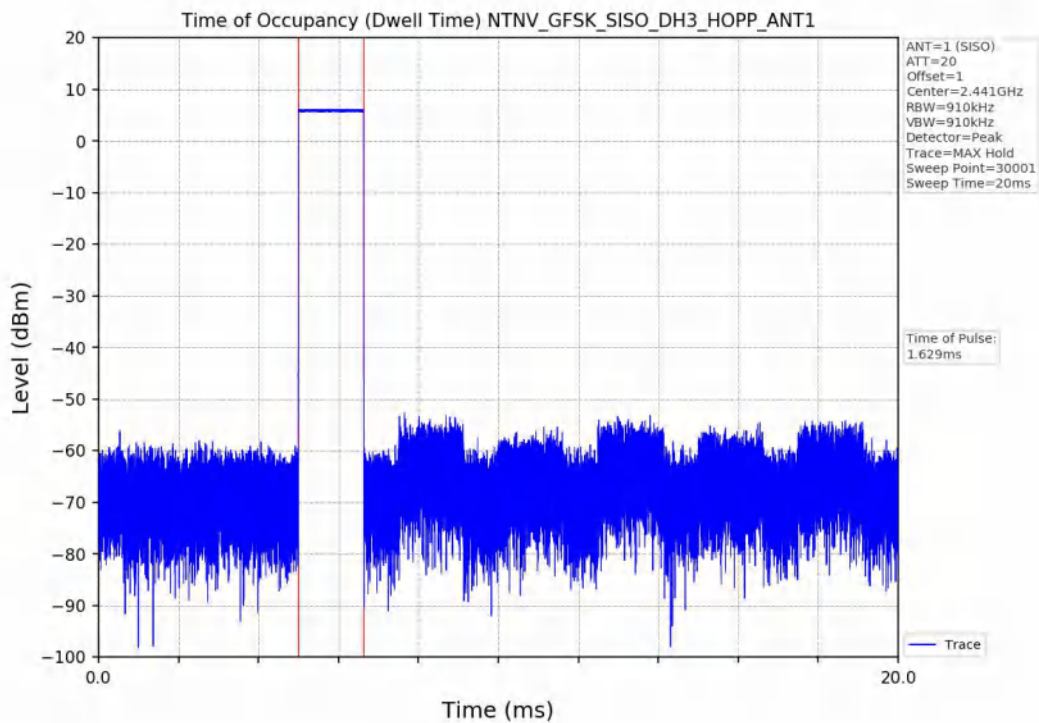
5. Time of Occupancy (Dwell Time)

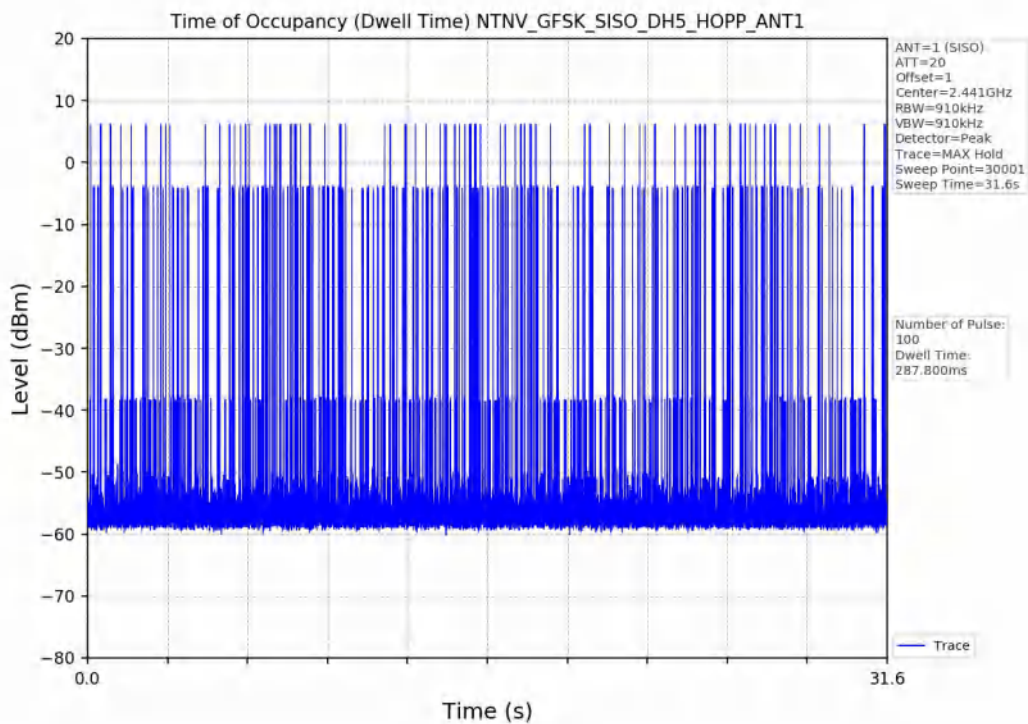
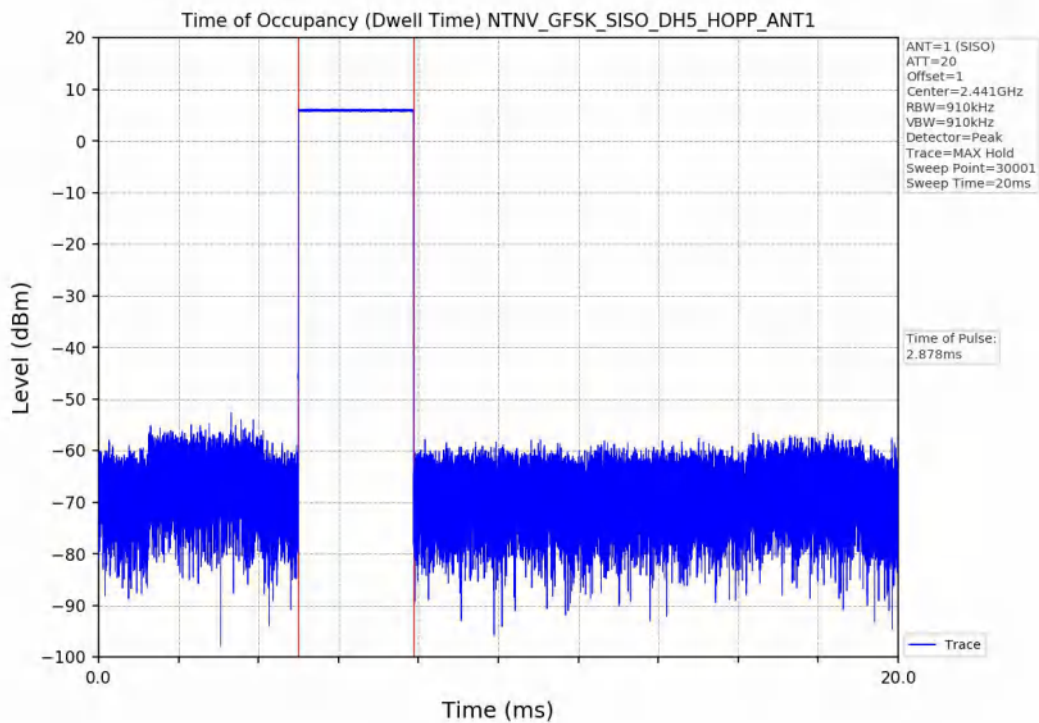
5.1 Test Result

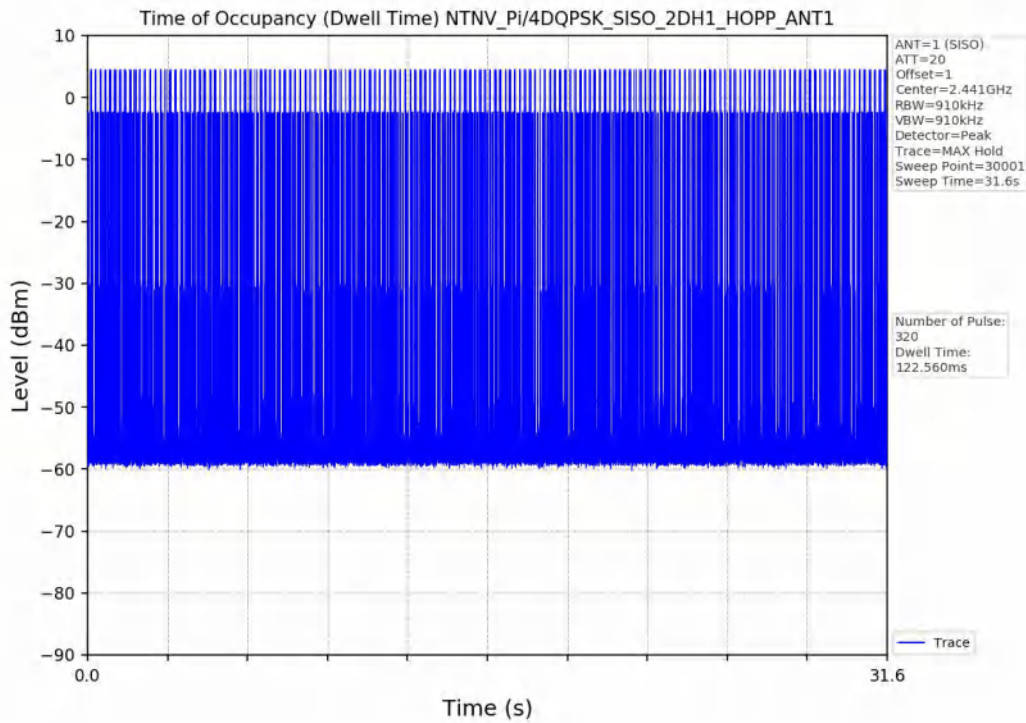
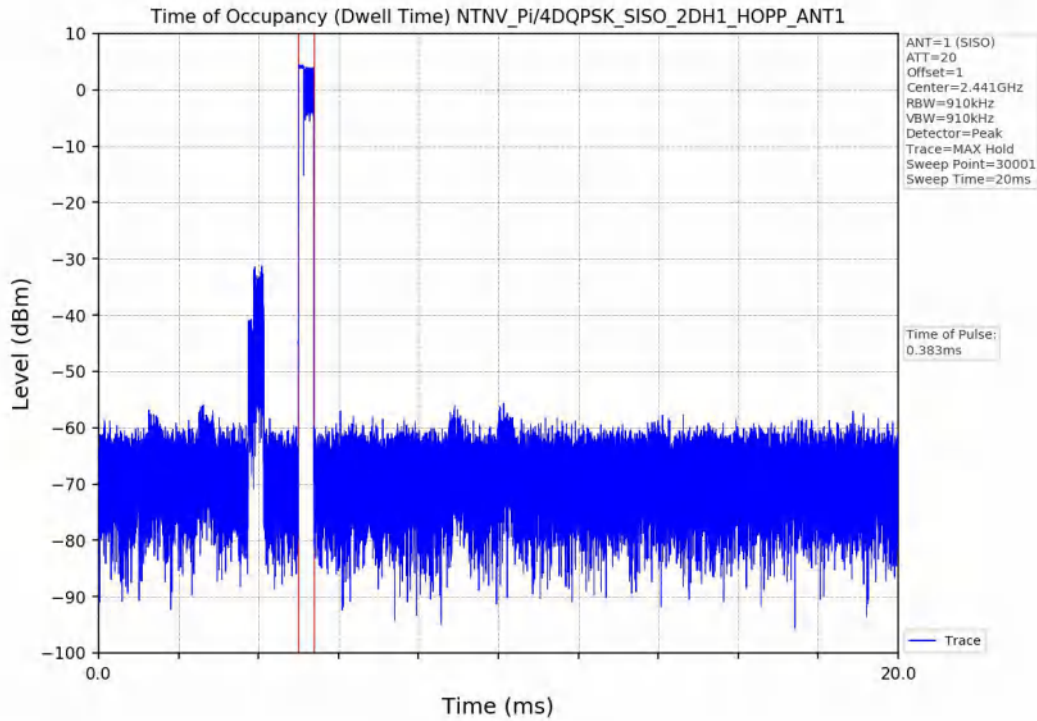
Test Mode	Packet Type	TX Type	ANT No.	Duration of Single Pulse (ms)	Observation Period (s)	Num of Pulse in Observation Period	Dwell Time (ms)	Limits (ms)	Verdict
GFSK	DH1	SISO	1	0.374	31.6	320	119.680	≤400	PASS
	DH3	SISO	1	1.629	31.6	161	262.269	≤400	PASS
	DH5	SISO	1	2.878	31.6	100	287.800	≤400	PASS
Pi/4DQPSK	2DH1	SISO	1	0.383	31.6	320	122.560	≤400	PASS
	2DH3	SISO	1	1.635	31.6	161	263.235	≤400	PASS
	2DH5	SISO	1	2.883	31.6	107	308.481	≤400	PASS
8DPSK	3DH1	SISO	1	0.384	31.6	320	122.880	≤400	PASS
	3DH3	SISO	1	1.634	31.6	161	263.074	≤400	PASS
	3DH5	SISO	1	2.885	31.6	103	297.155	≤400	PASS

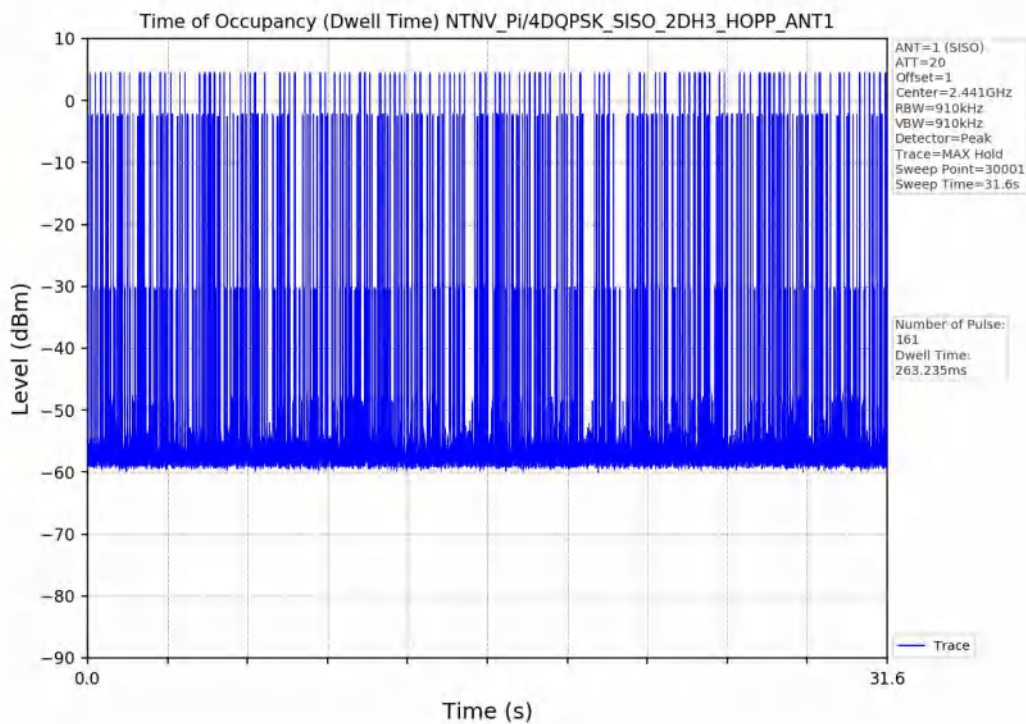
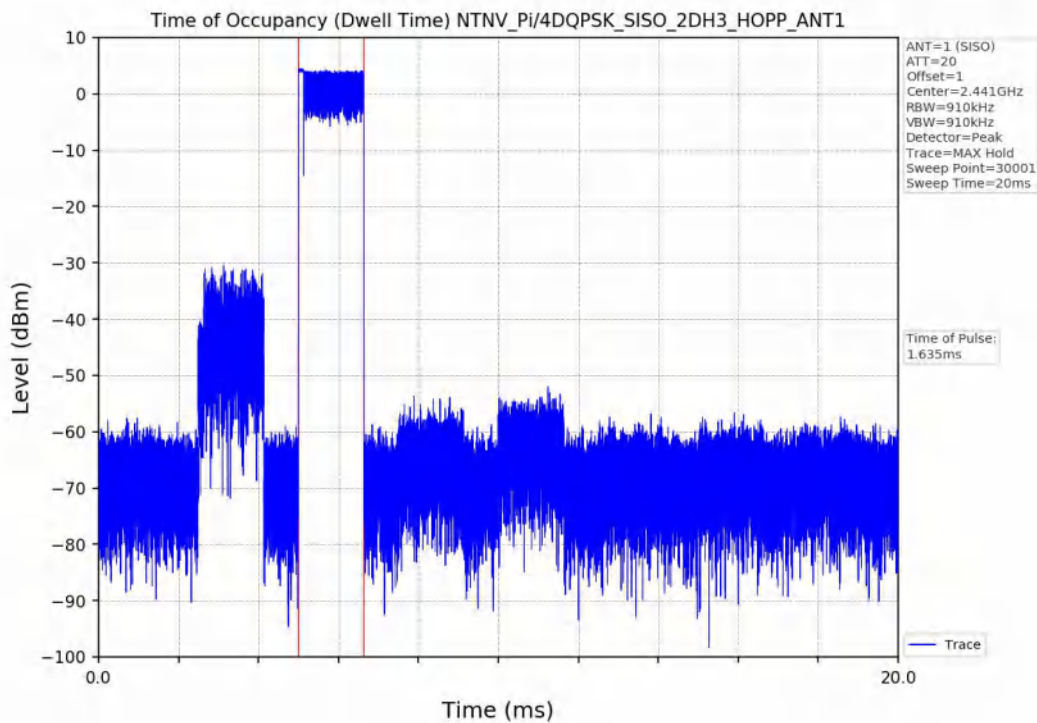
5.2 Test Graph

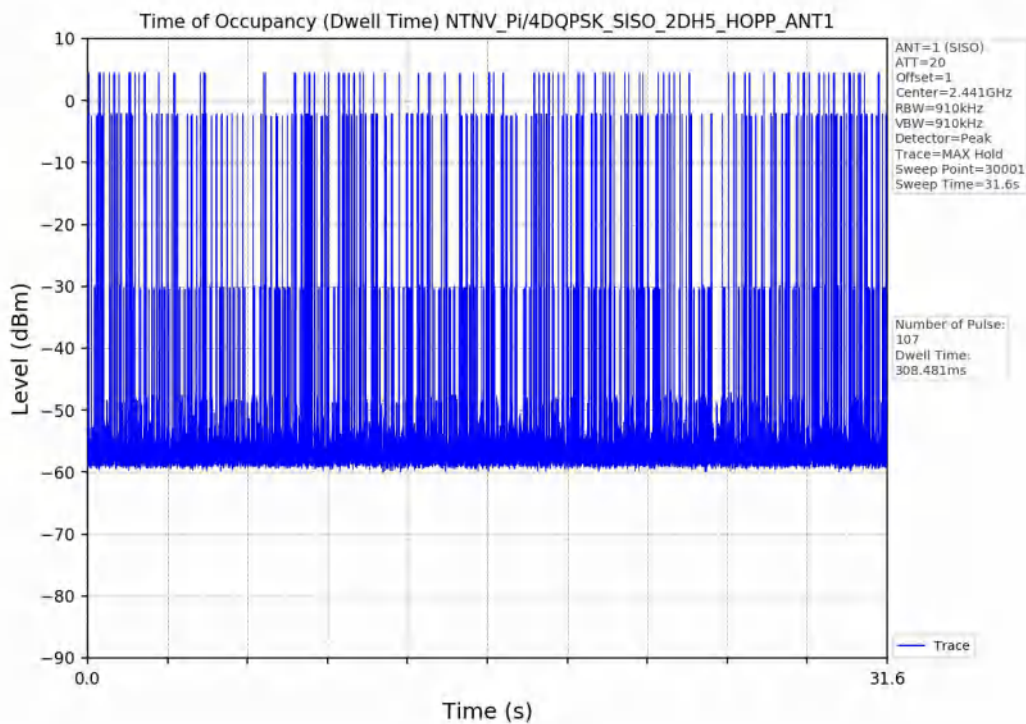
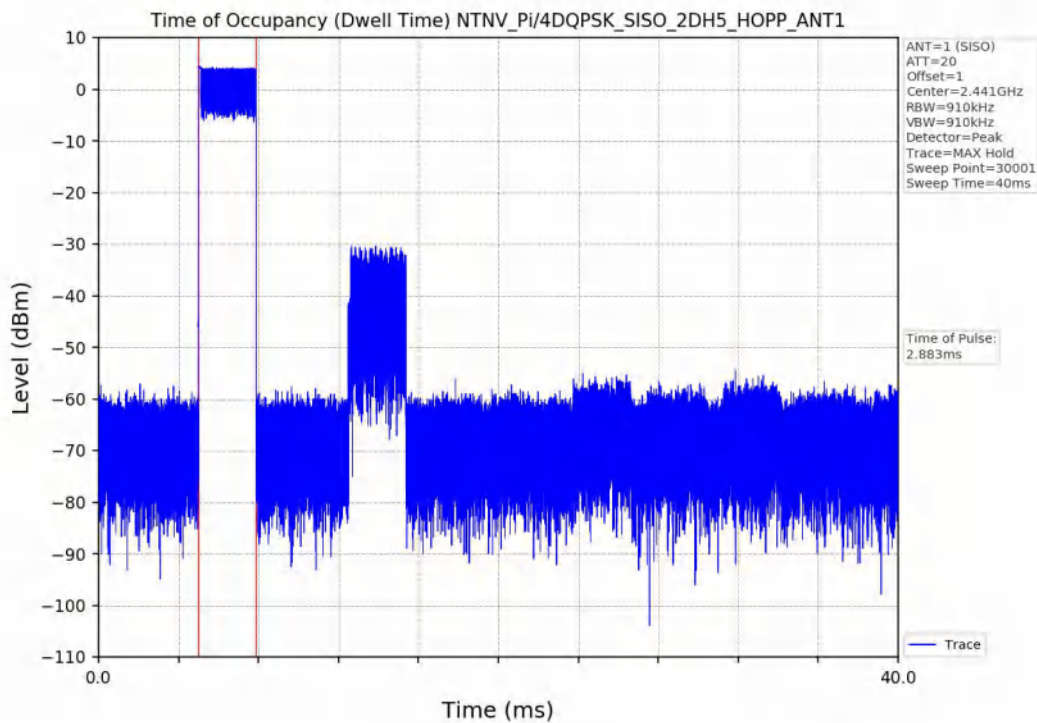


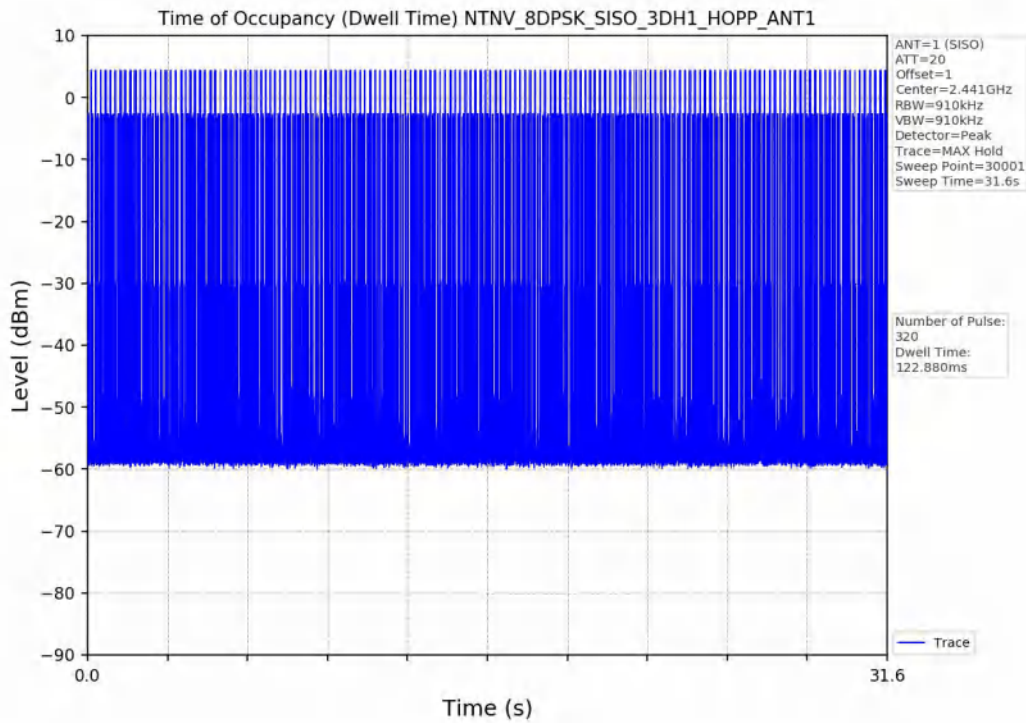
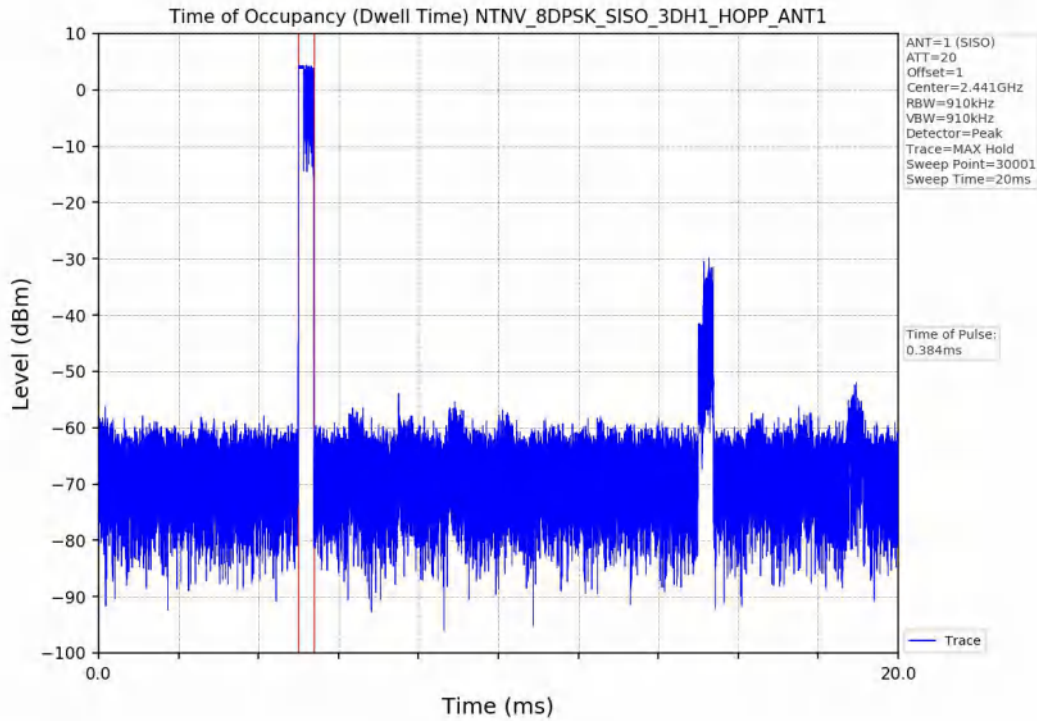


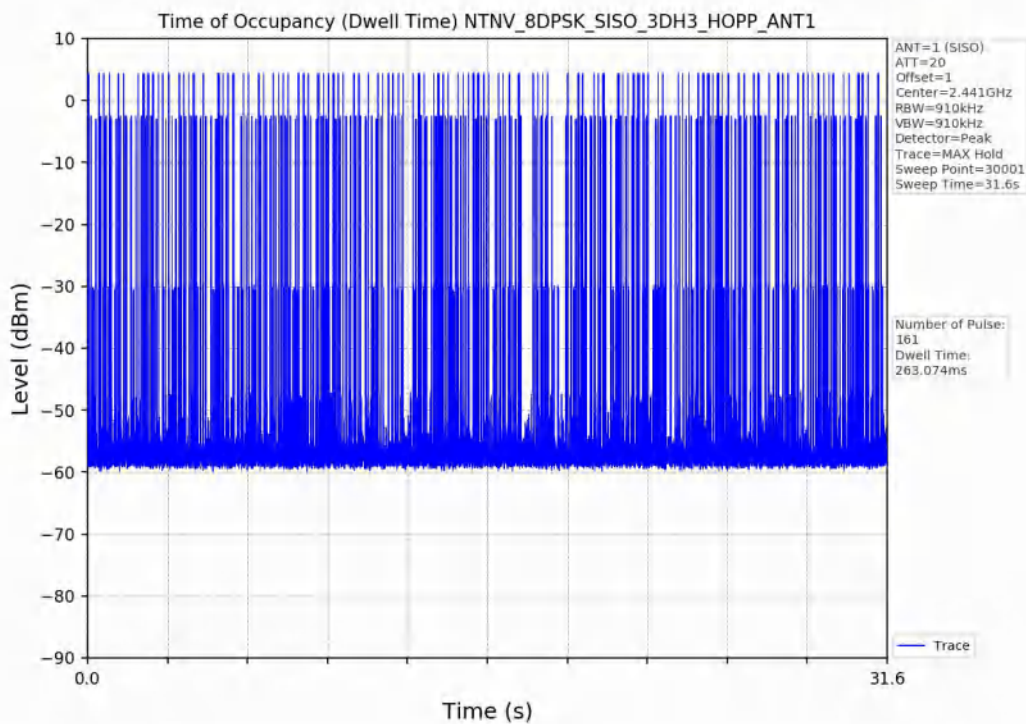
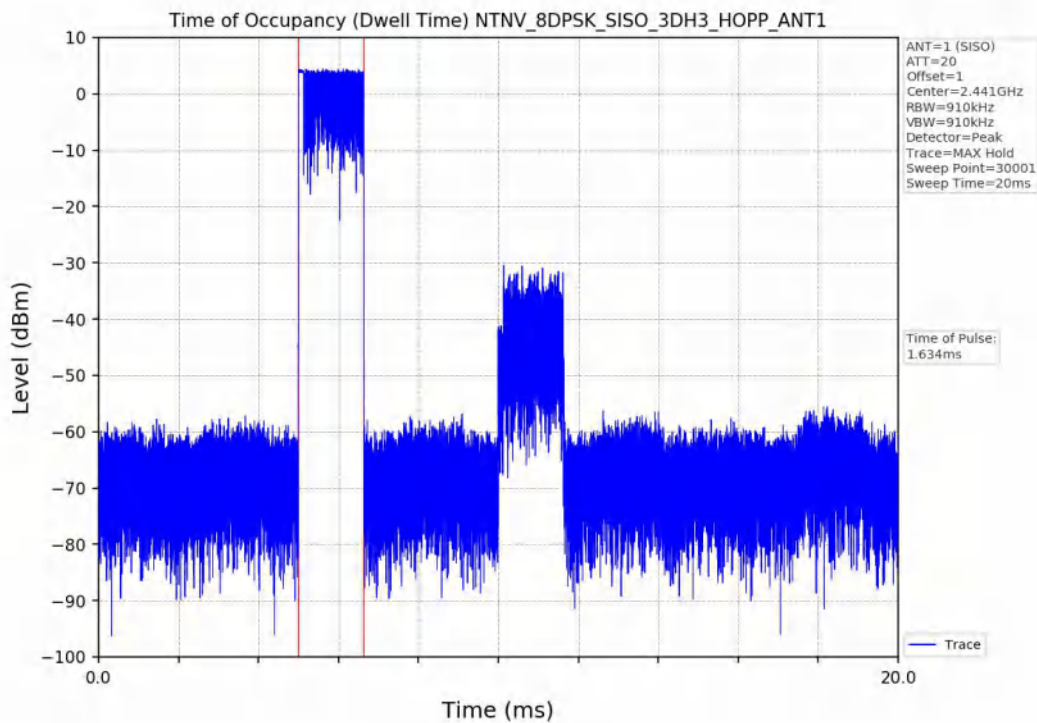


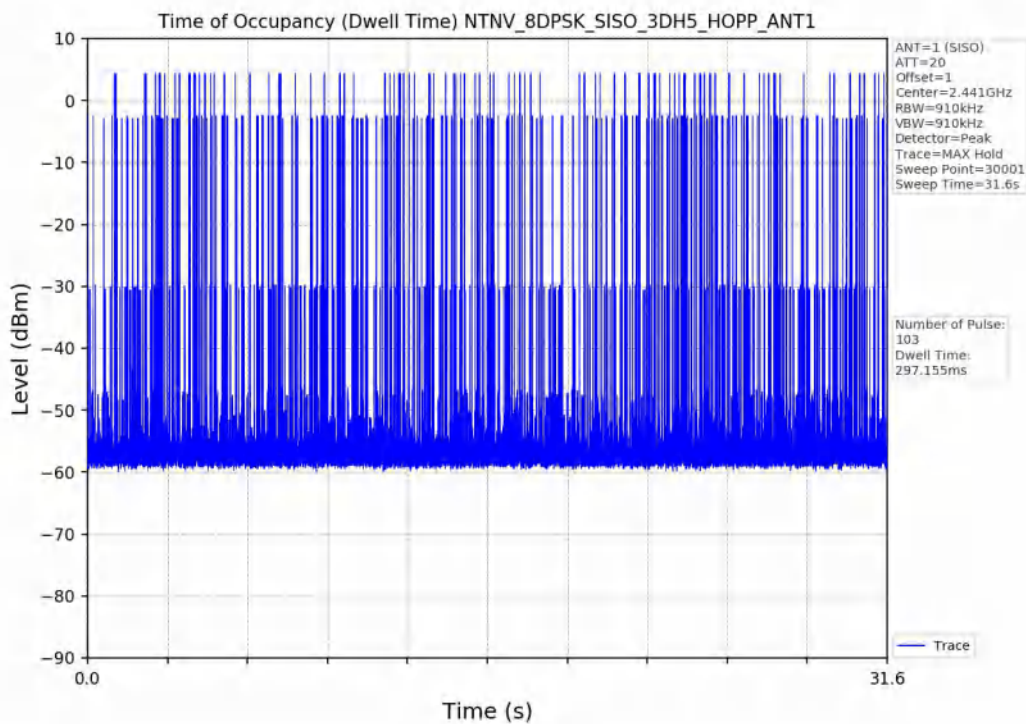
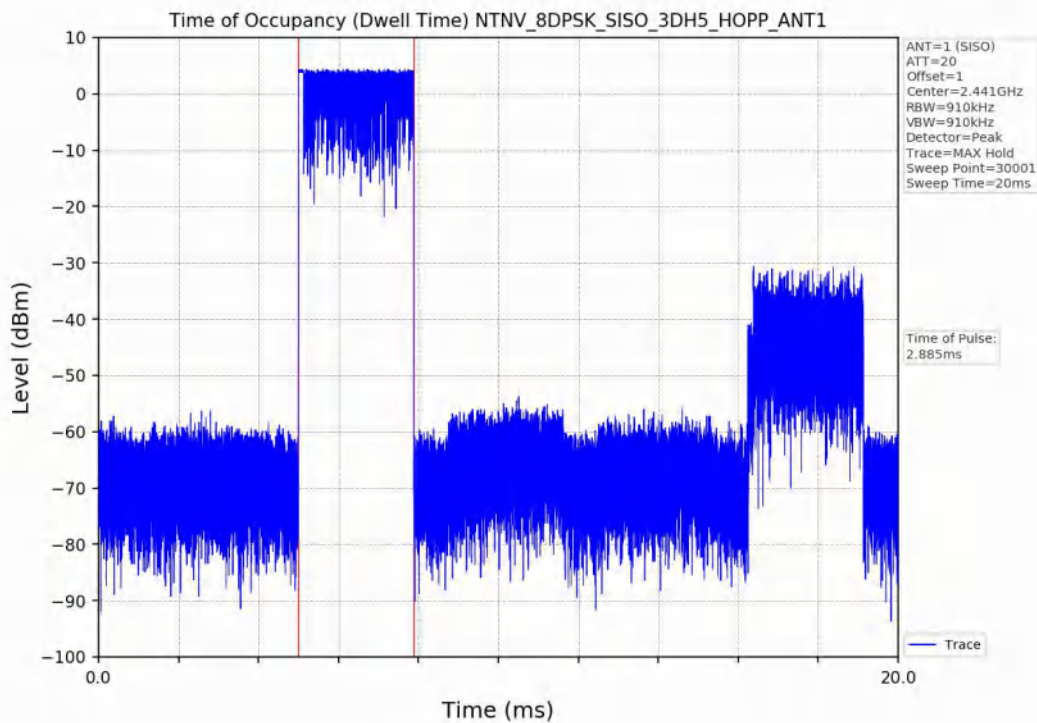












6. Unwanted Emissions in Non-restricted Frequency Bands

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	-14.19	PASS
	2441	SISO	1	Refer to test graph	-14.19	PASS
	2480	SISO	1	Refer to test graph	-14.19	PASS
	Hopping	SISO	1	Refer to test graph	-14.19	PASS
Pi/4DQPSK	2402	SISO	1	Refer to test graph	-15.74	PASS
	2441	SISO	1	Refer to test graph	-15.74	PASS
	2480	SISO	1	Refer to test graph	-15.74	PASS
	Hopping	SISO	1	Refer to test graph	-15.74	PASS
8DPSK	2402	SISO	1	Refer to test graph	-15.76	PASS
	2441	SISO	1	Refer to test graph	-15.76	PASS
	2480	SISO	1	Refer to test graph	-15.76	PASS
	Hopping	SISO	1	Refer to test graph	-15.76	PASS

6.2 Test Graph

