

Appendix for 15.247

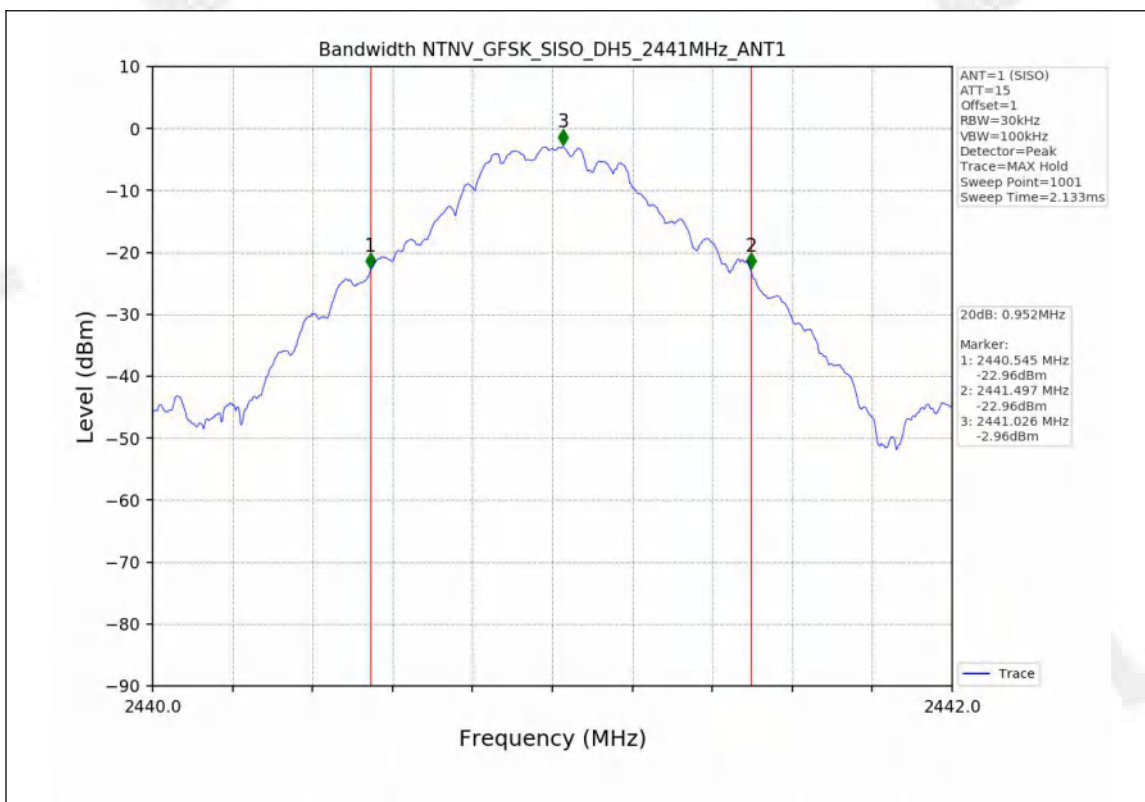
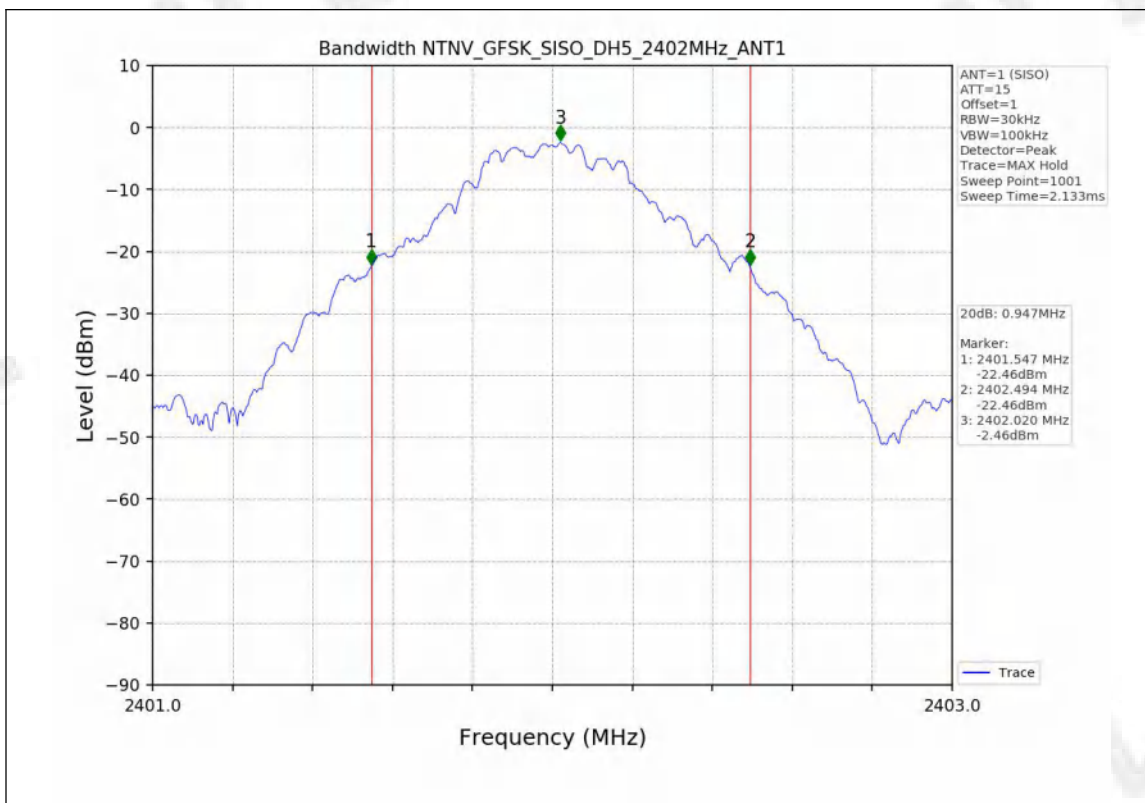
1. Bandwidth

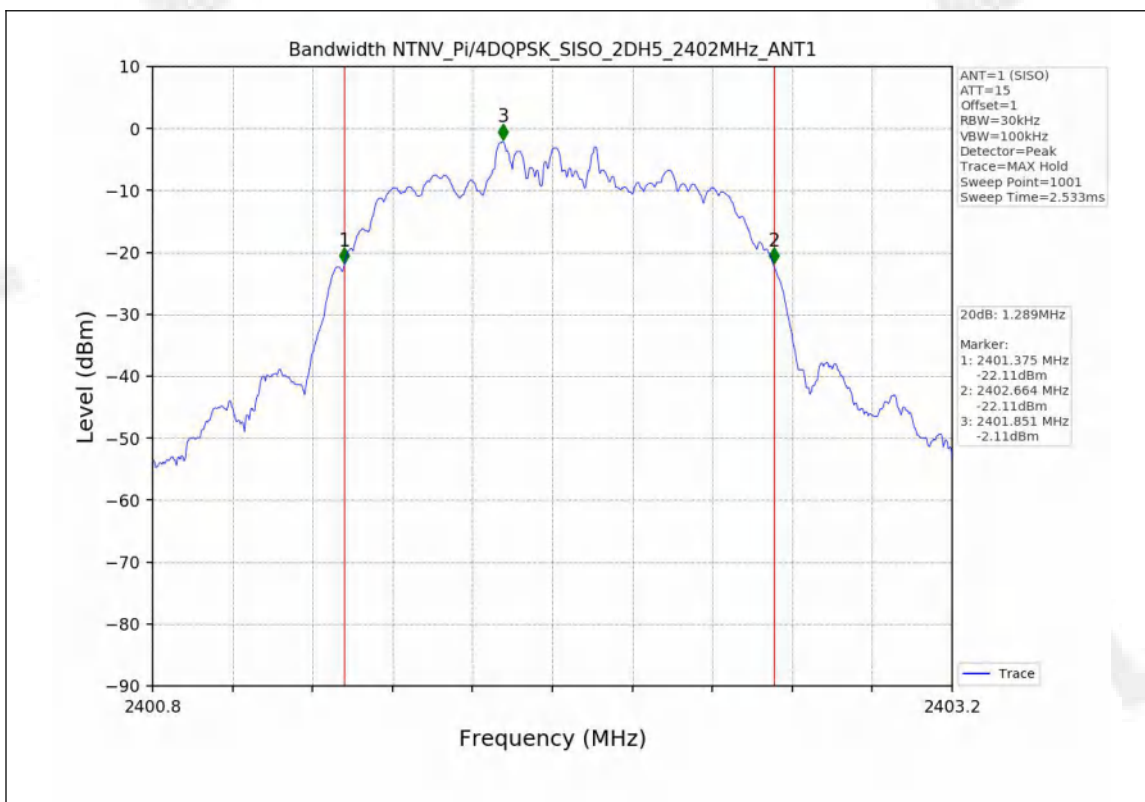
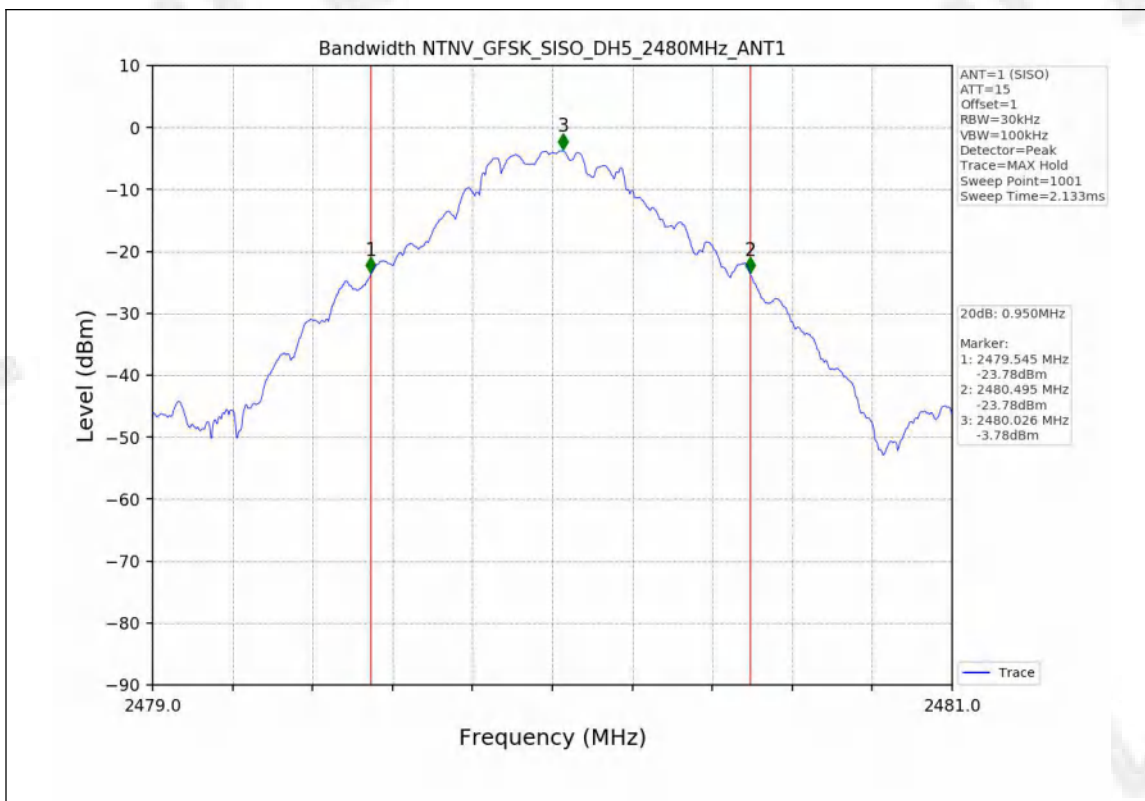
1.1 Test Result

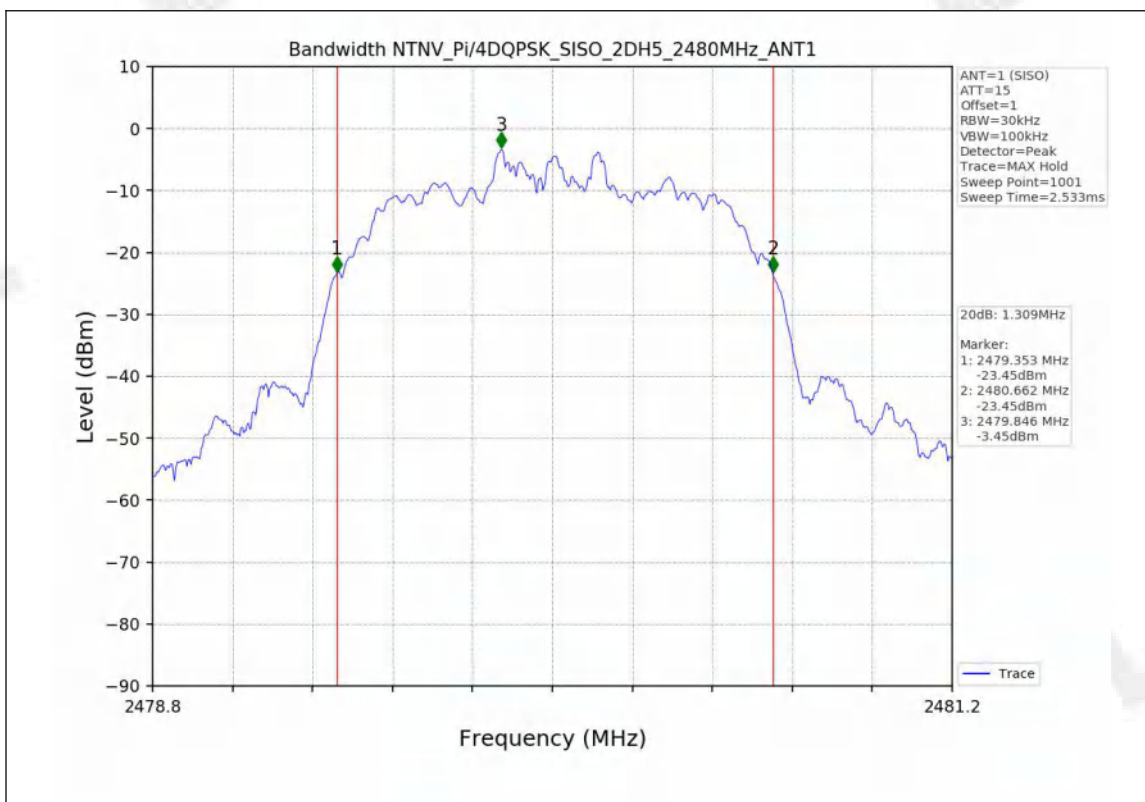
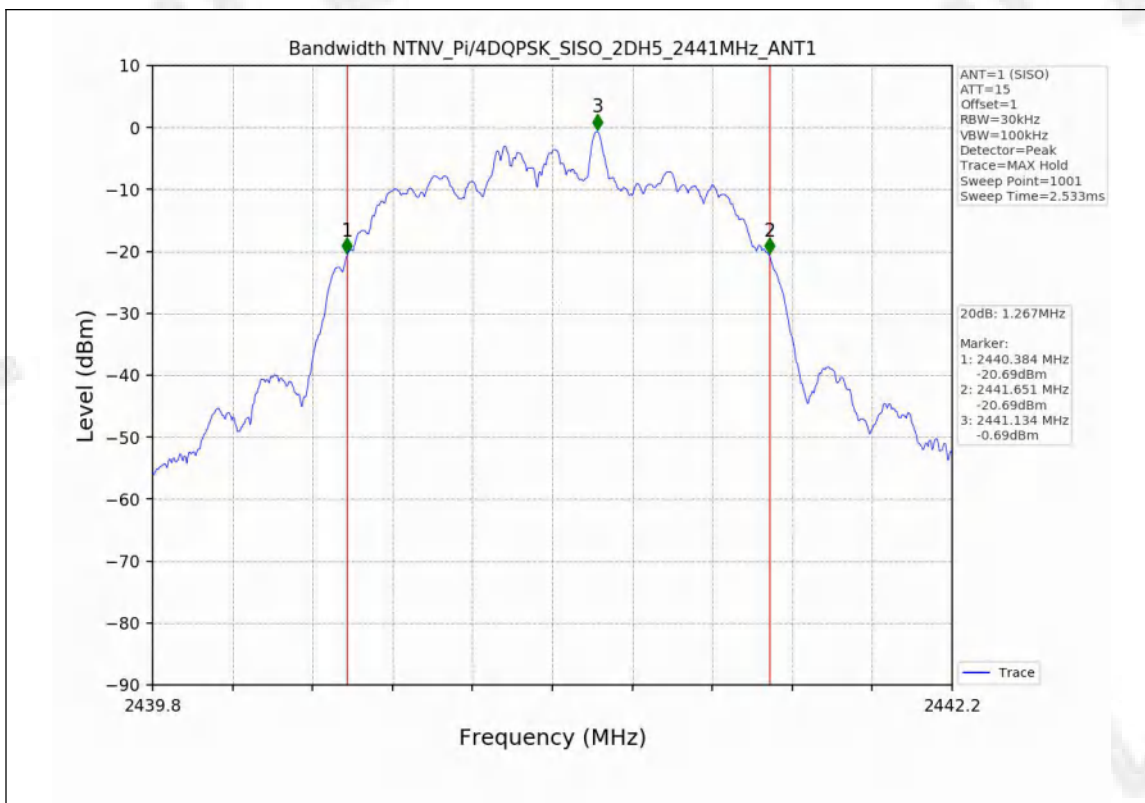
Test Mode	Frequency (MHz)	TX Type	ANT No.	20dB Bandwidth	Verdict
				Test Result (MHz)	
GFSK	2402	SISO	1	0.947	PASS
	2441	SISO	1	0.952	PASS
	2480	SISO	1	0.950	PASS
Pi/4DQPSK	2402	SISO	1	1.289	PASS
	2441	SISO	1	1.267	PASS
	2480	SISO	1	1.309	PASS
8DPSK	2402	SISO	1	1.302	PASS
	2441	SISO	1	1.303	PASS
	2480	SISO	1	1.300	PASS

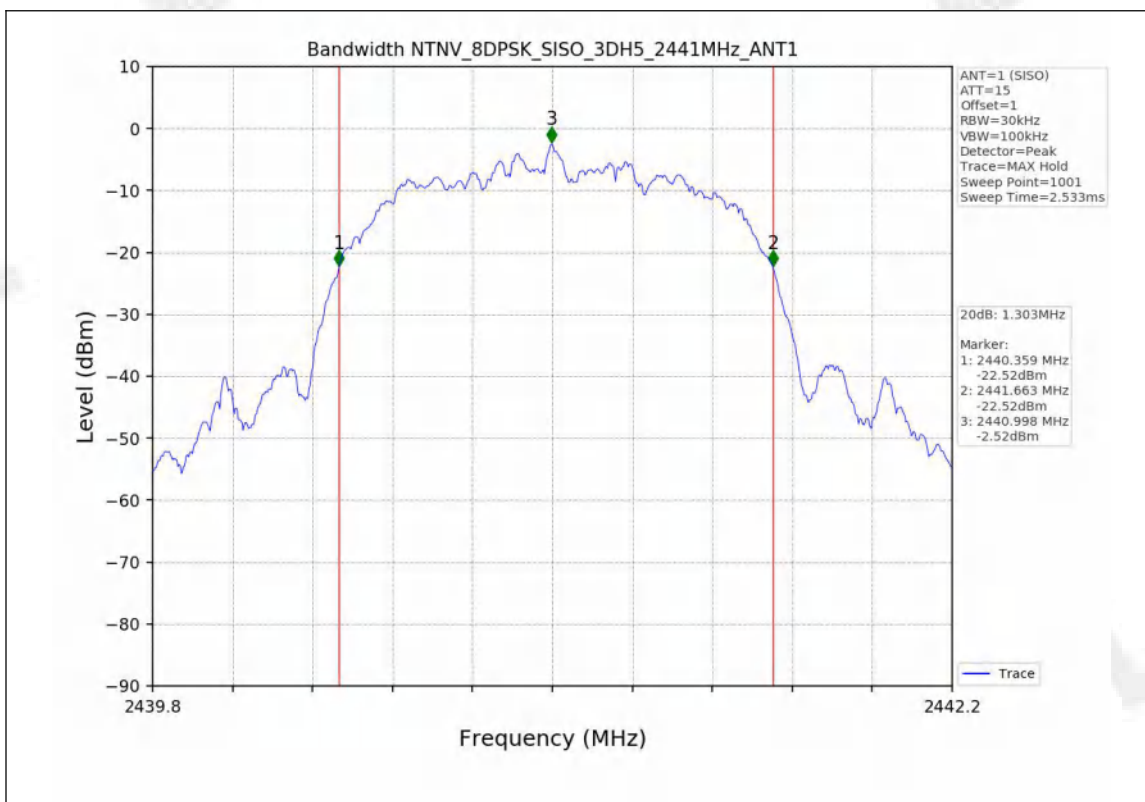
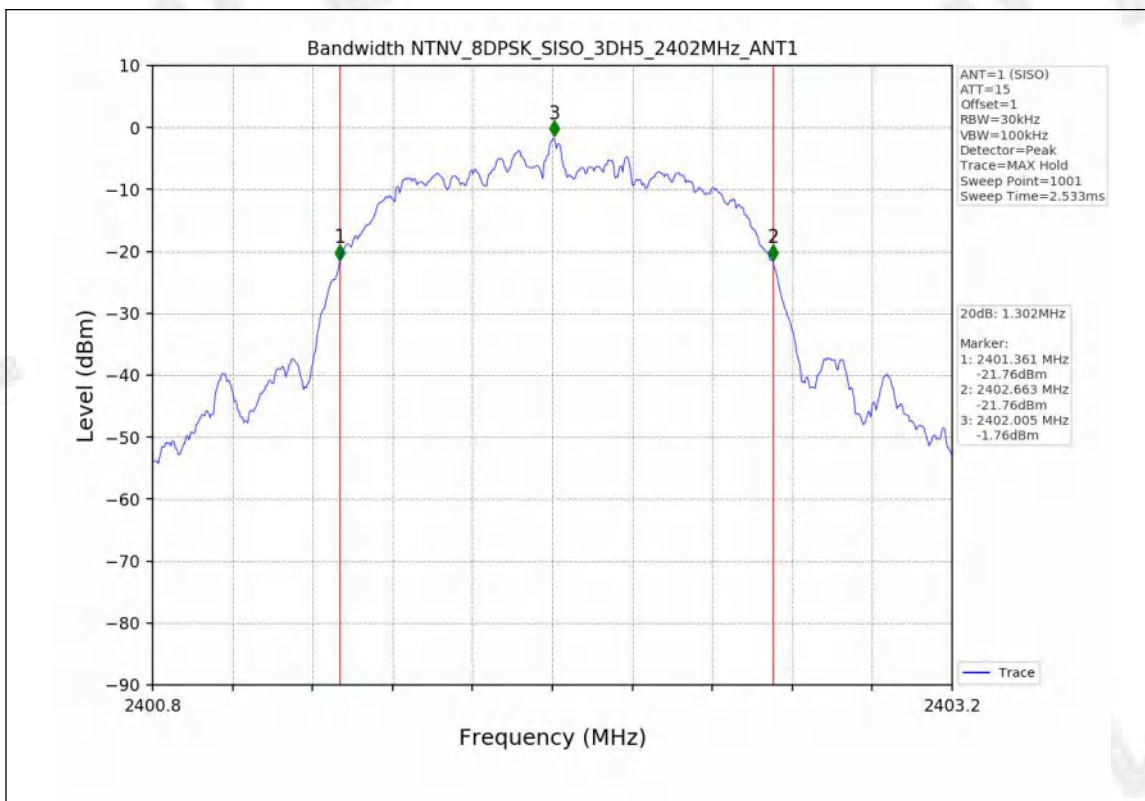
Test Mode	Frequency (MHz)	TX Type	ANT No.	99% Occupied Bandwidth	
				Test Result (MHz)	
GFSK	2402	SISO	1	0.835	Only for Report Use
	2441	SISO	1	0.831	Only for Report Use
	2480	SISO	1	0.834	Only for Report Use
Pi/4DQPSK	2402	SISO	1	1.171	Only for Report Use
	2441	SISO	1	1.164	Only for Report Use
	2480	SISO	1	1.168	Only for Report Use
8DPSK	2402	SISO	1	1.177	Only for Report Use
	2441	SISO	1	1.175	Only for Report Use
	2480	SISO	1	1.179	Only for Report Use

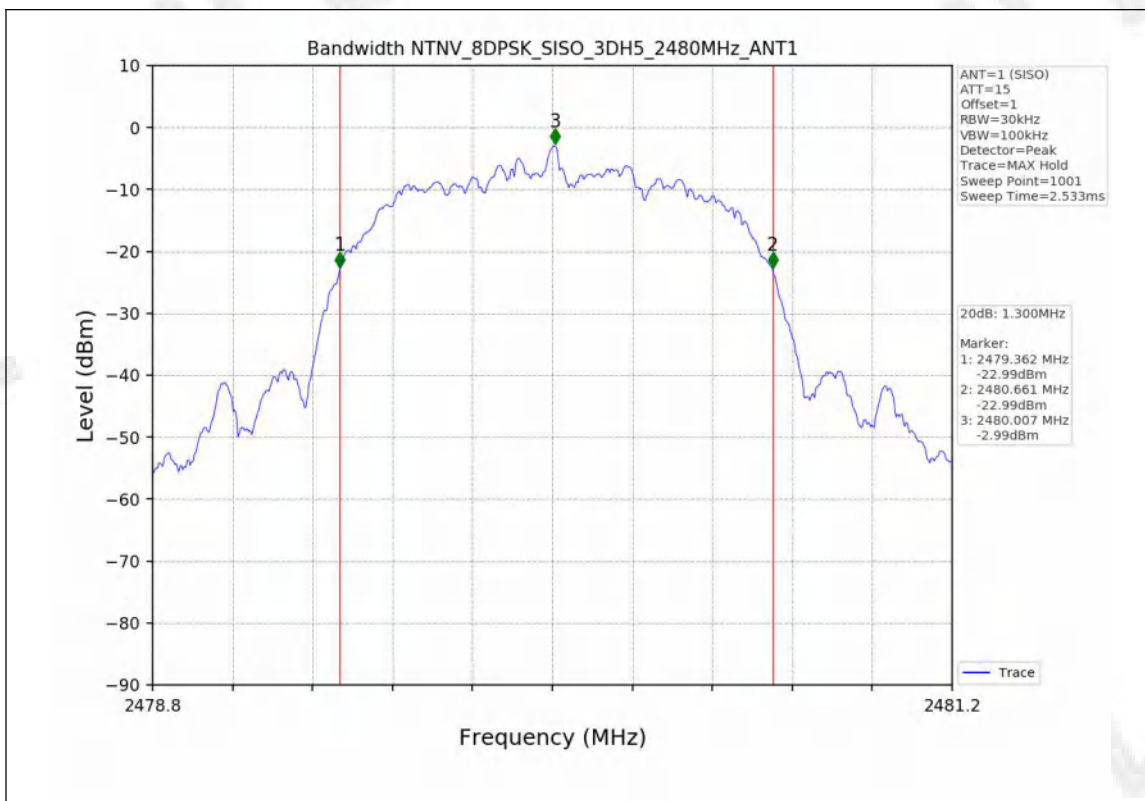
1.2 Test Graph - 20dB Bandwidth



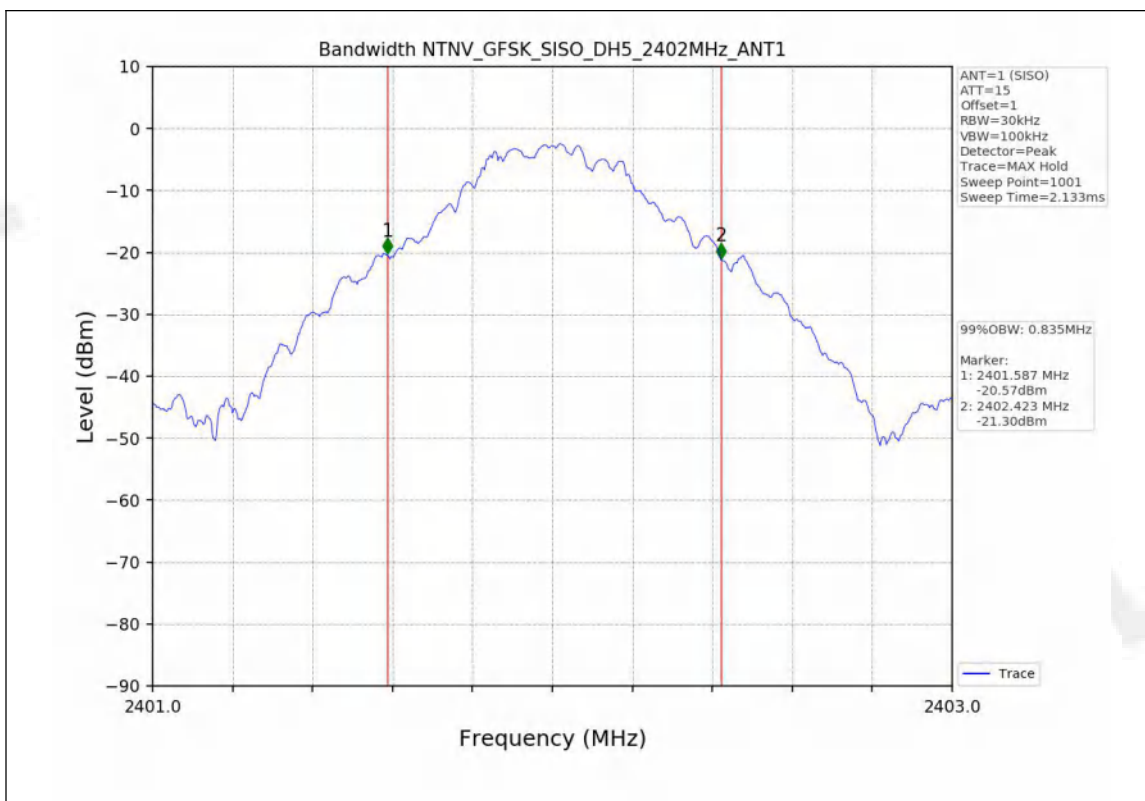


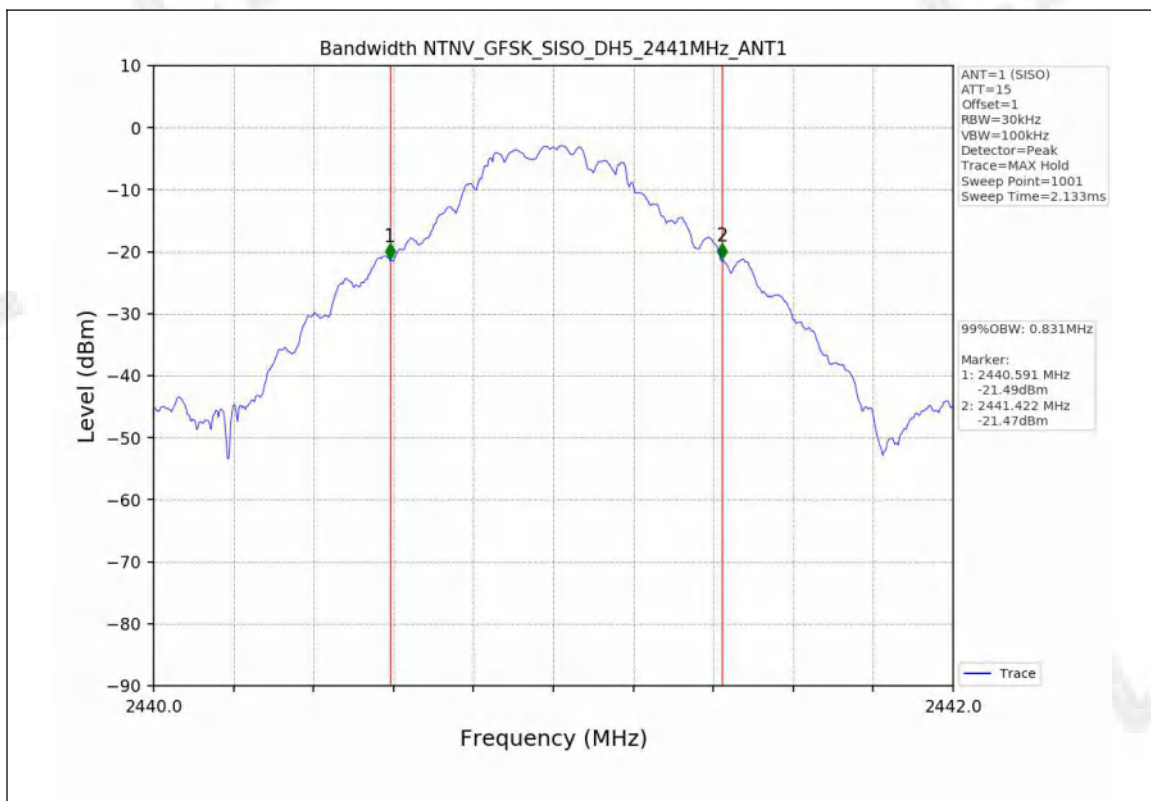


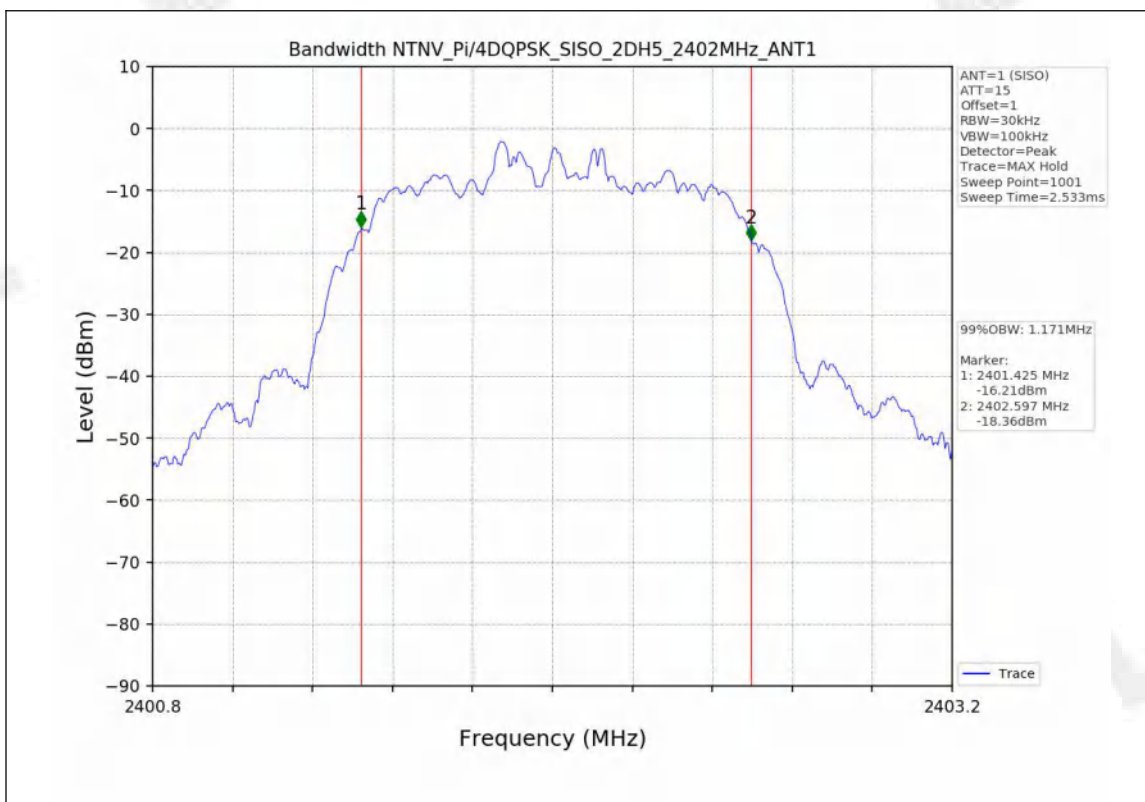
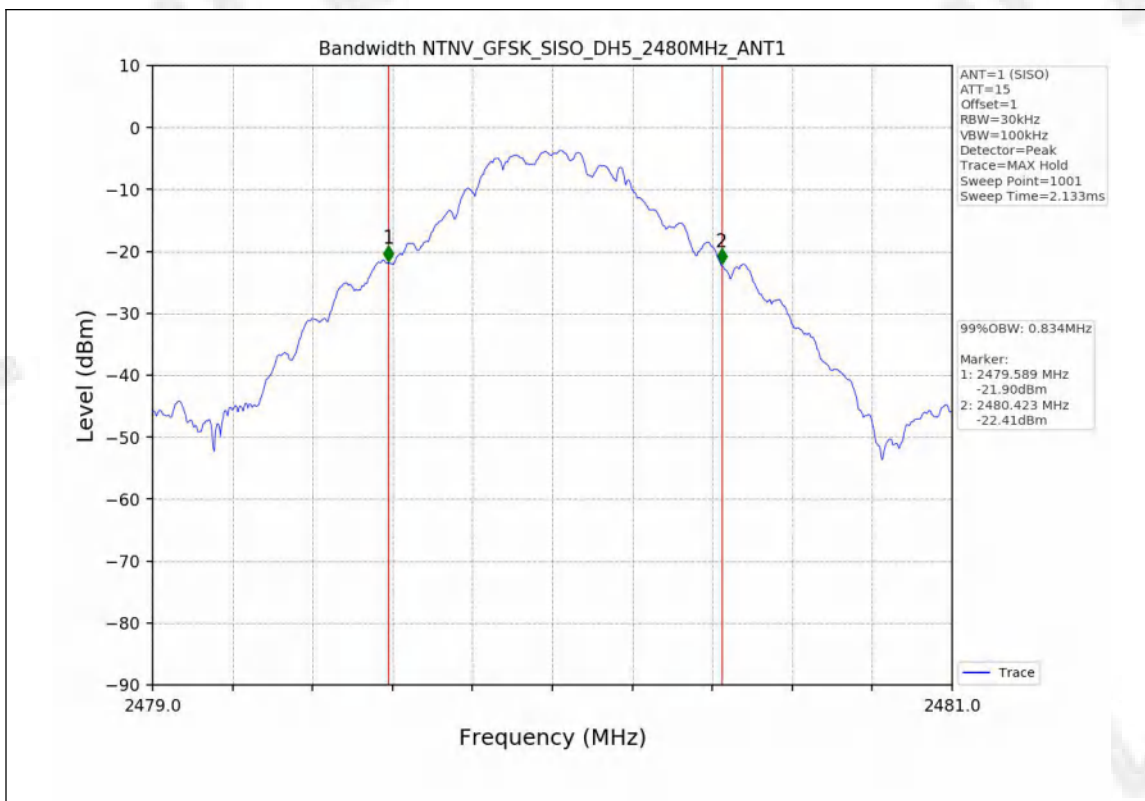


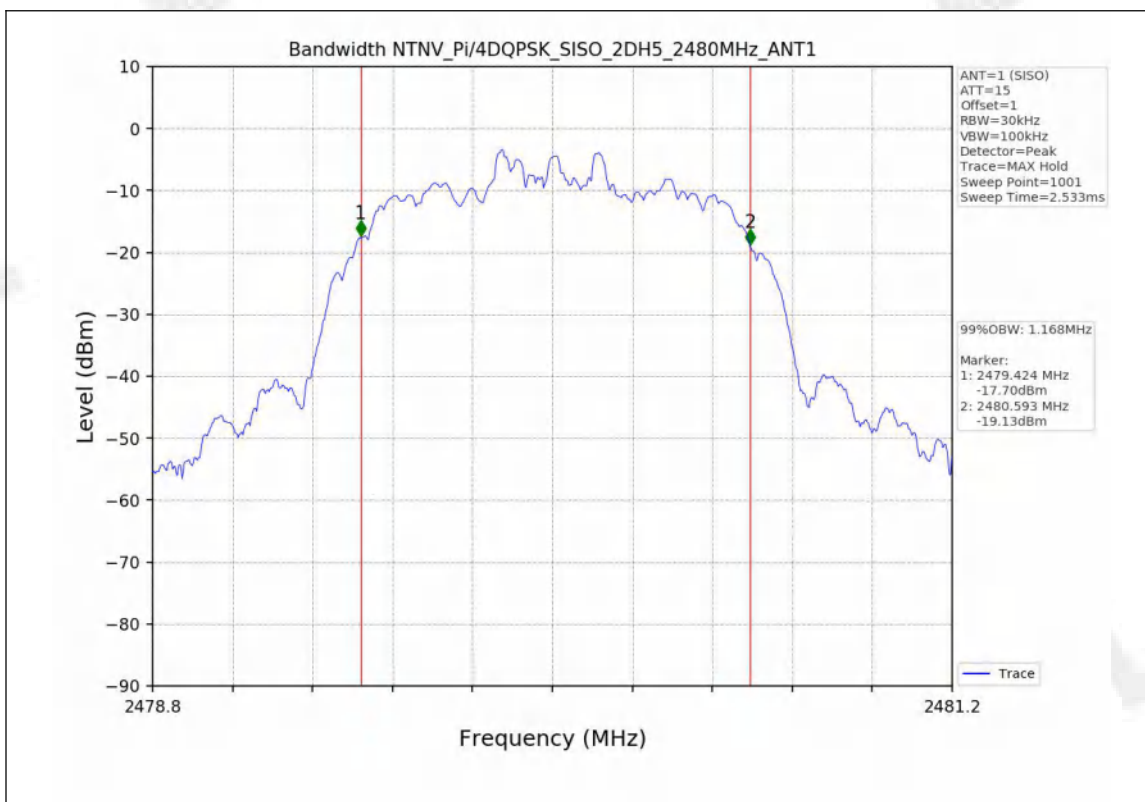
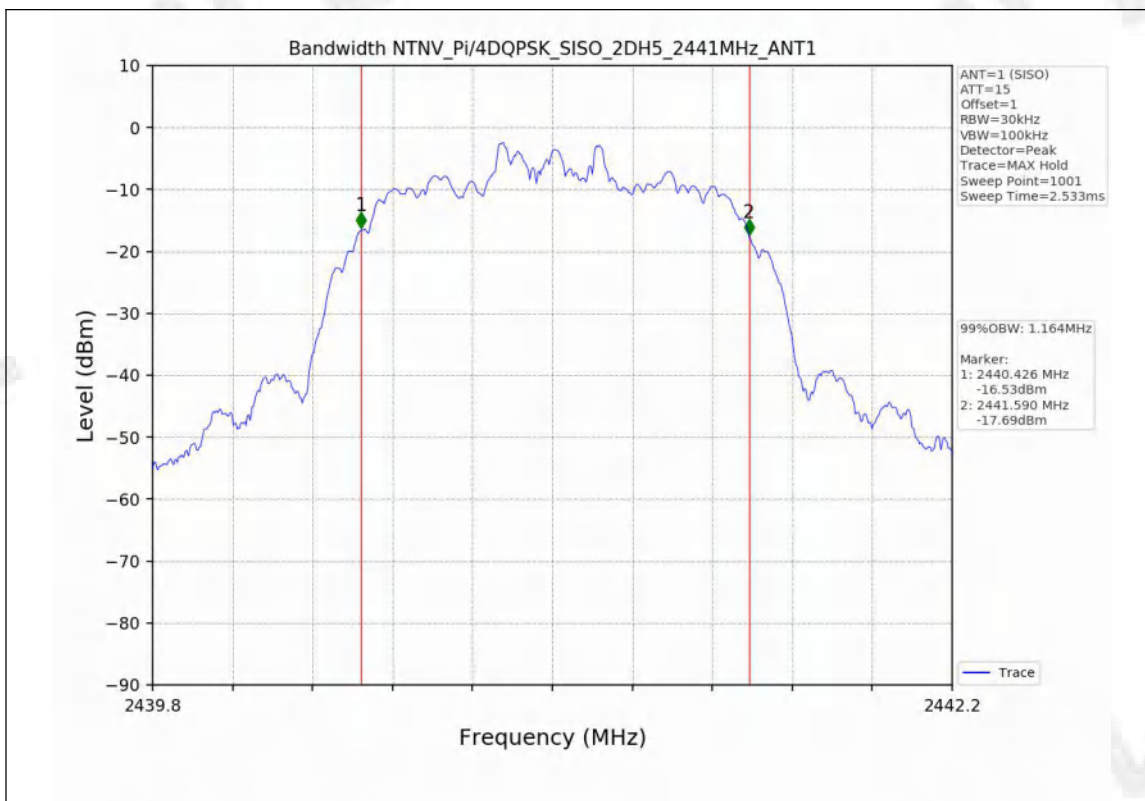


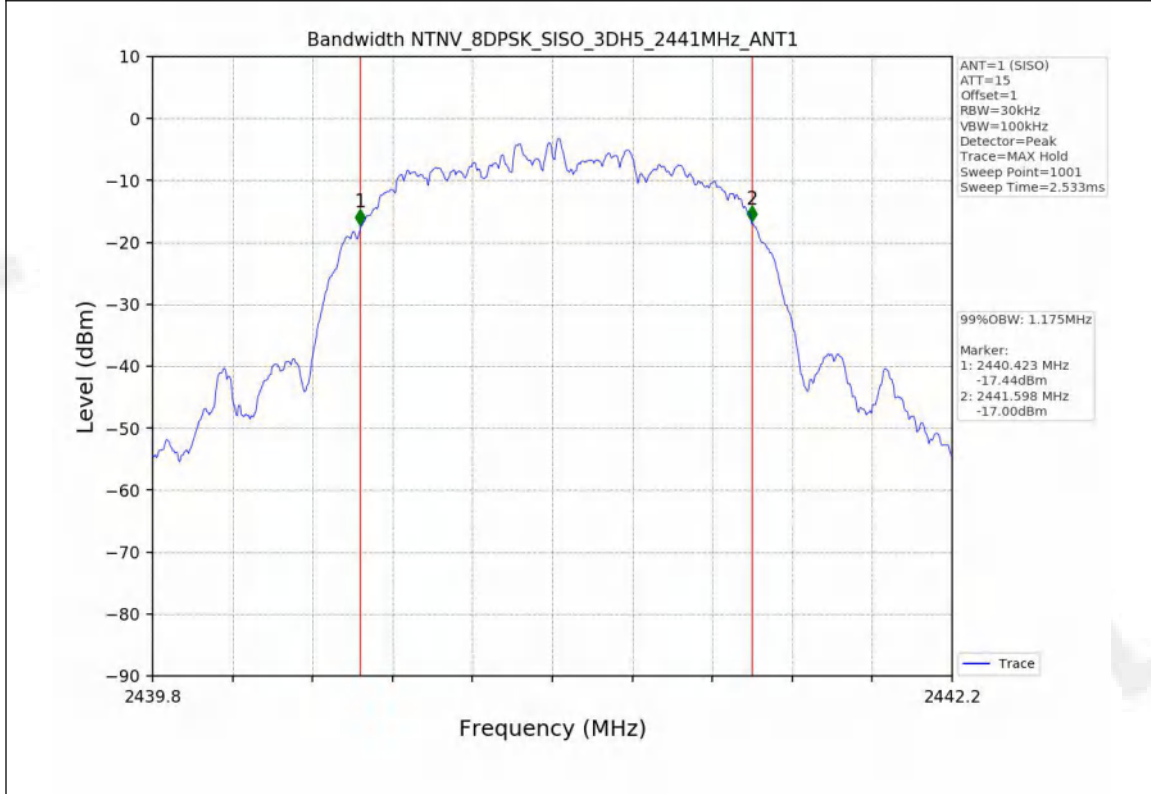
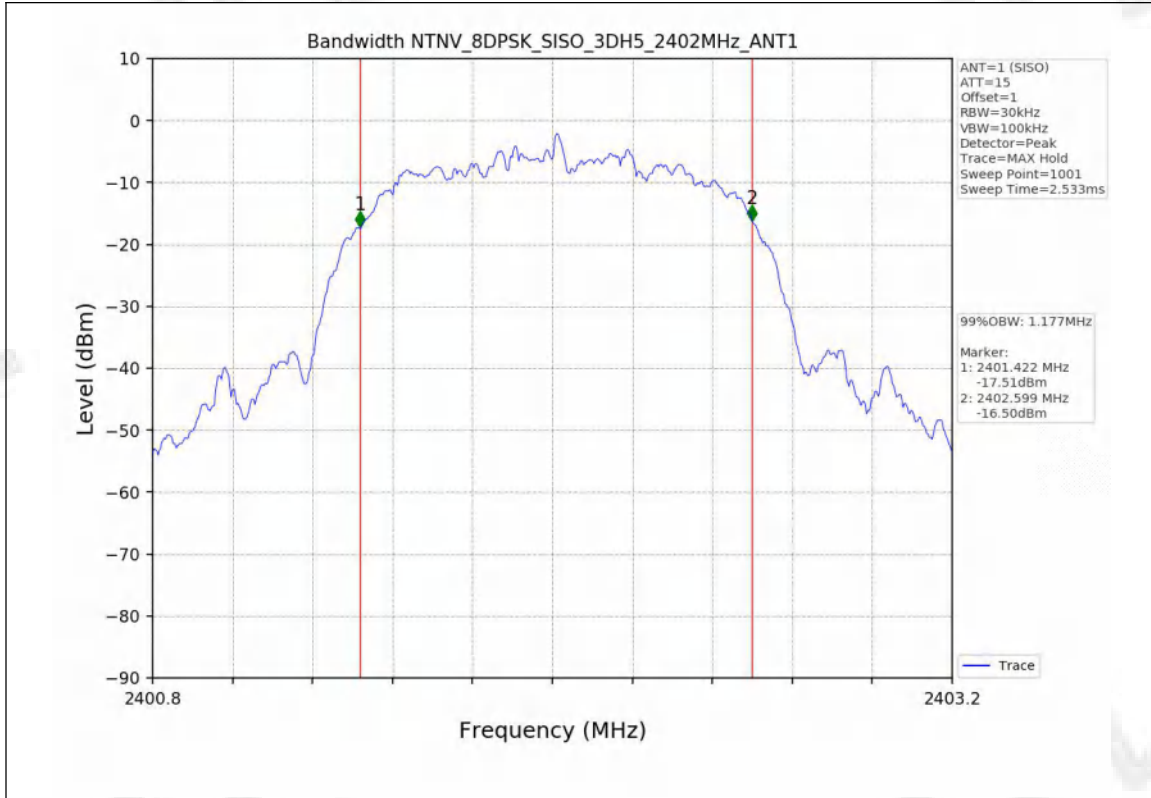
1.3 Test Graph - 99% Occupied Bandwidth

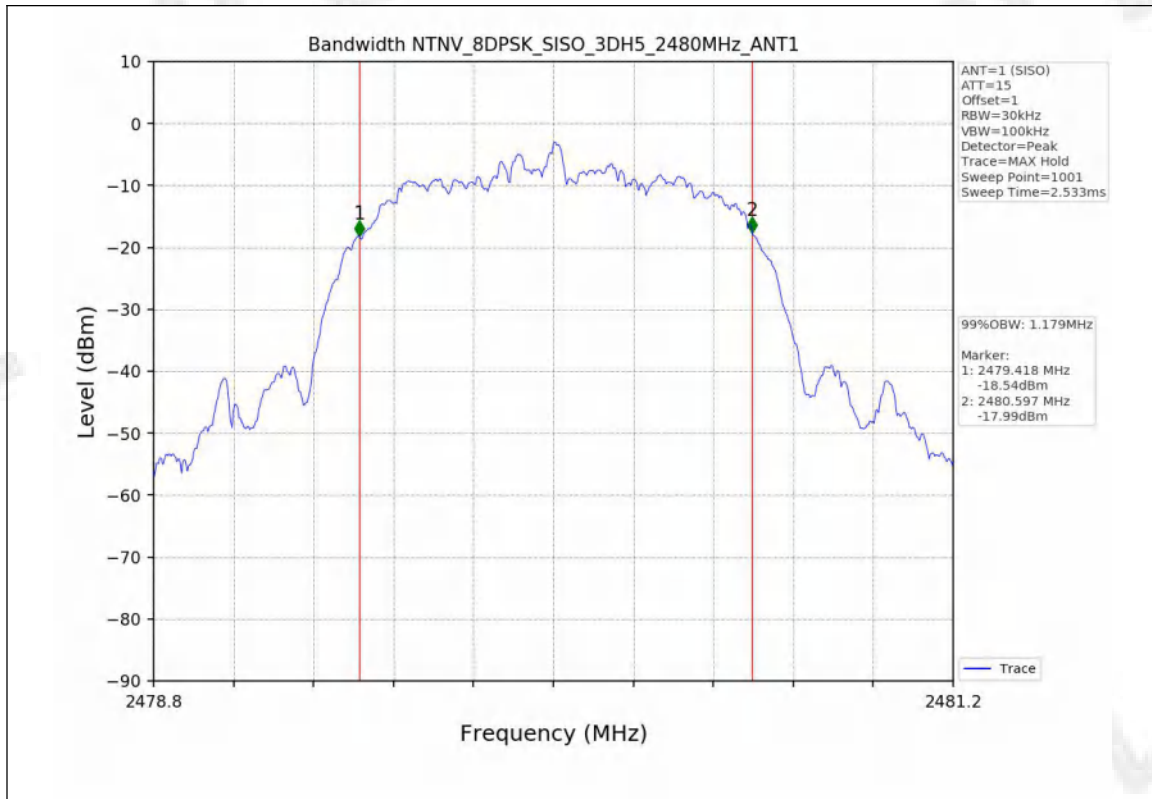










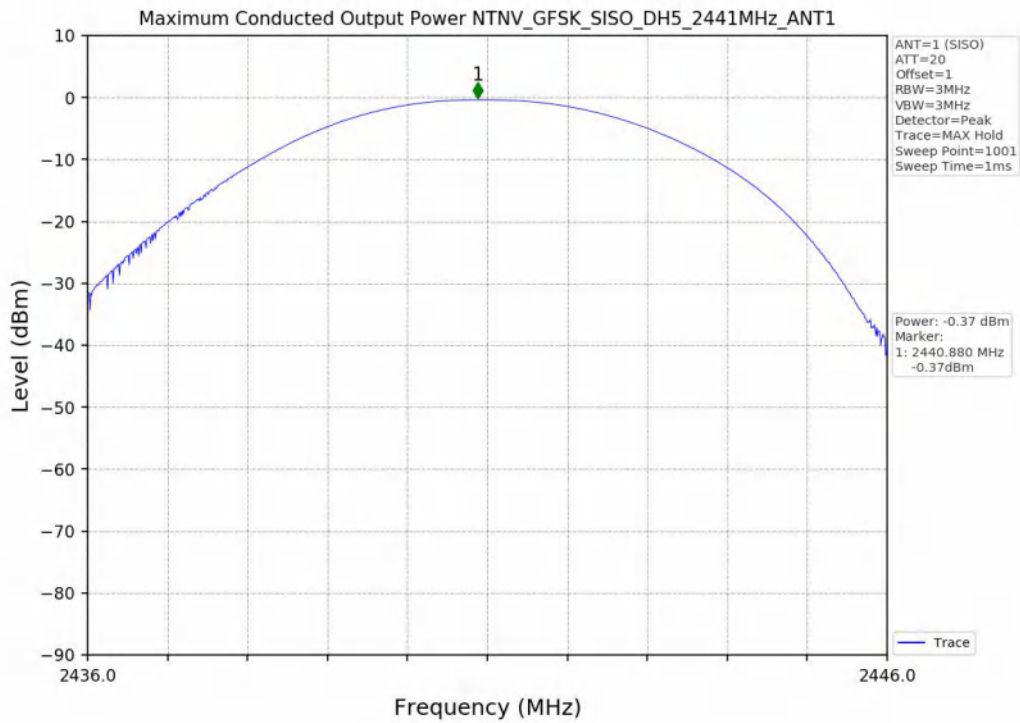


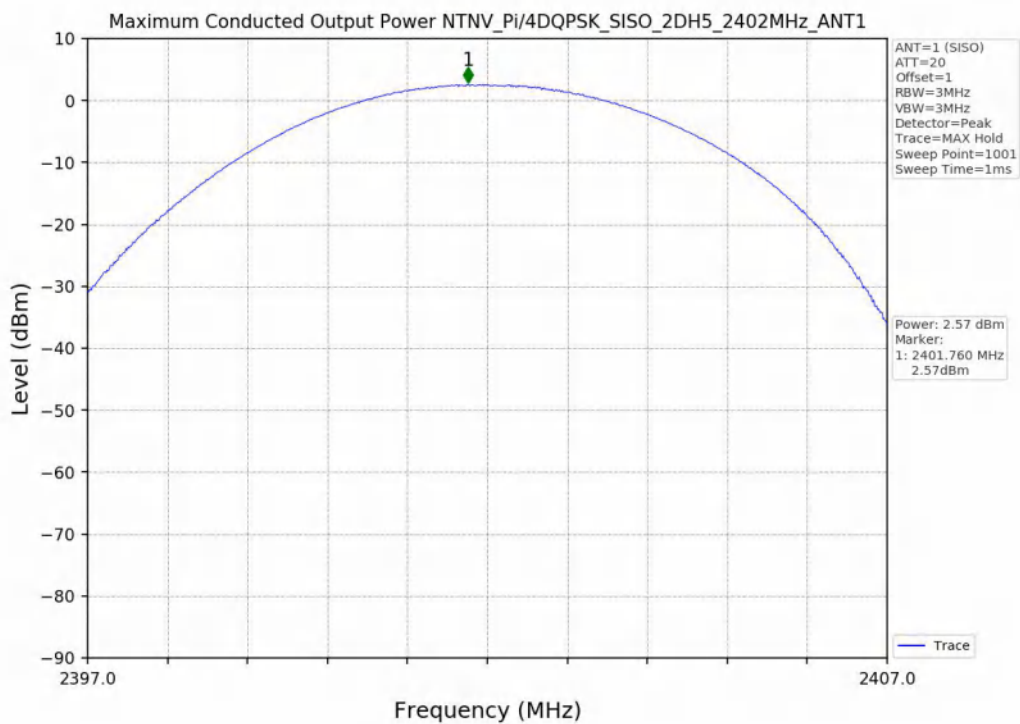
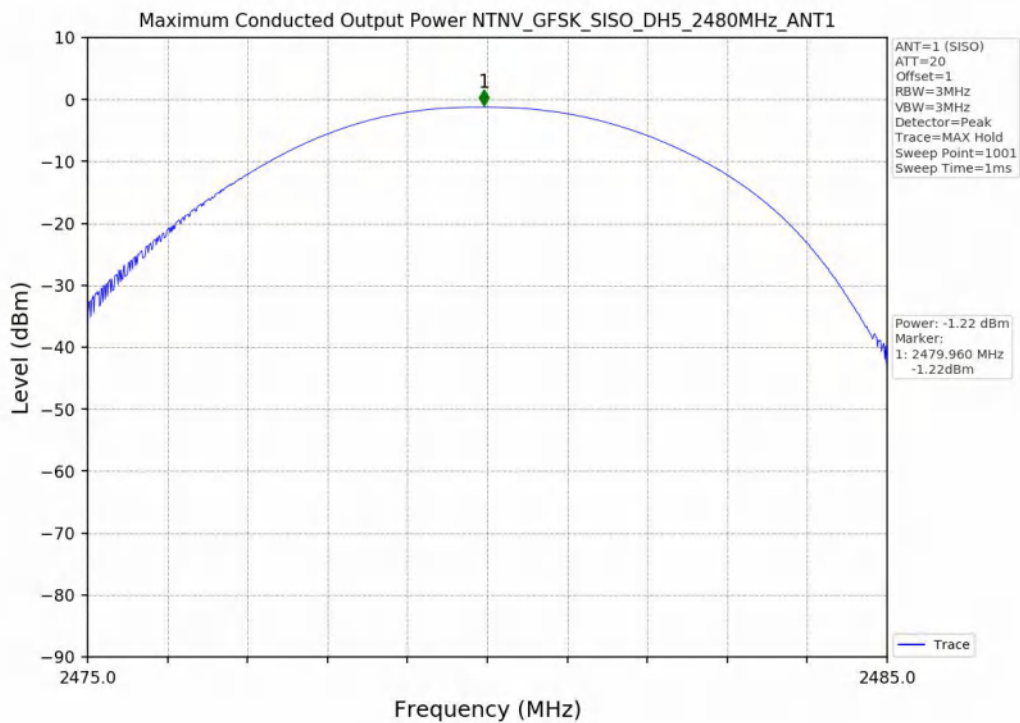
2. Maximum Conducted Output Power

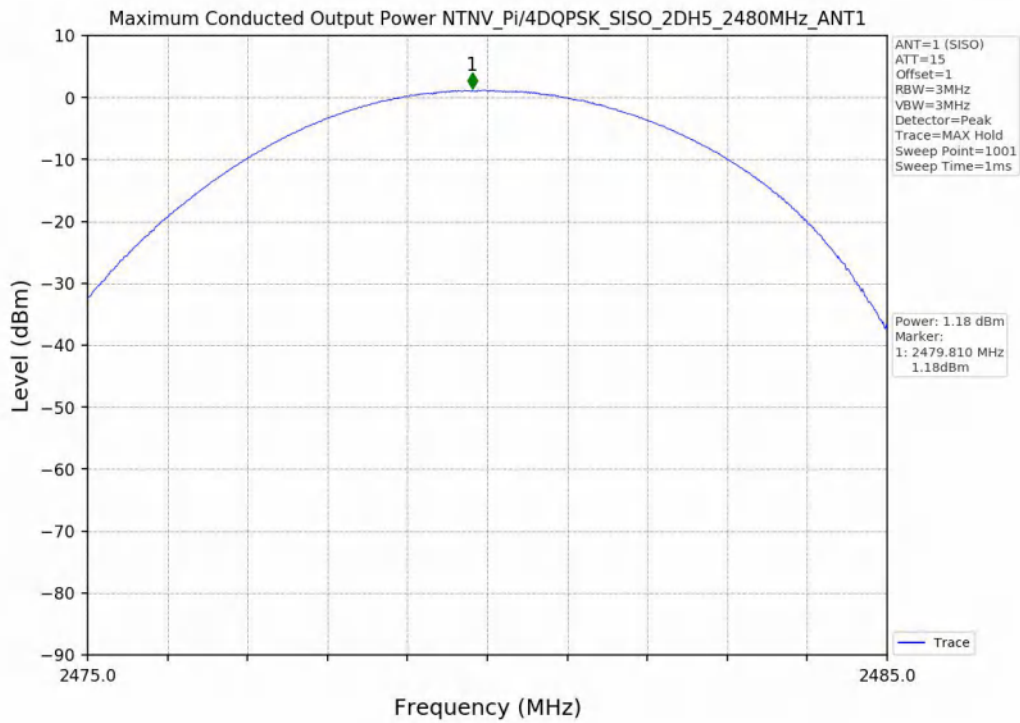
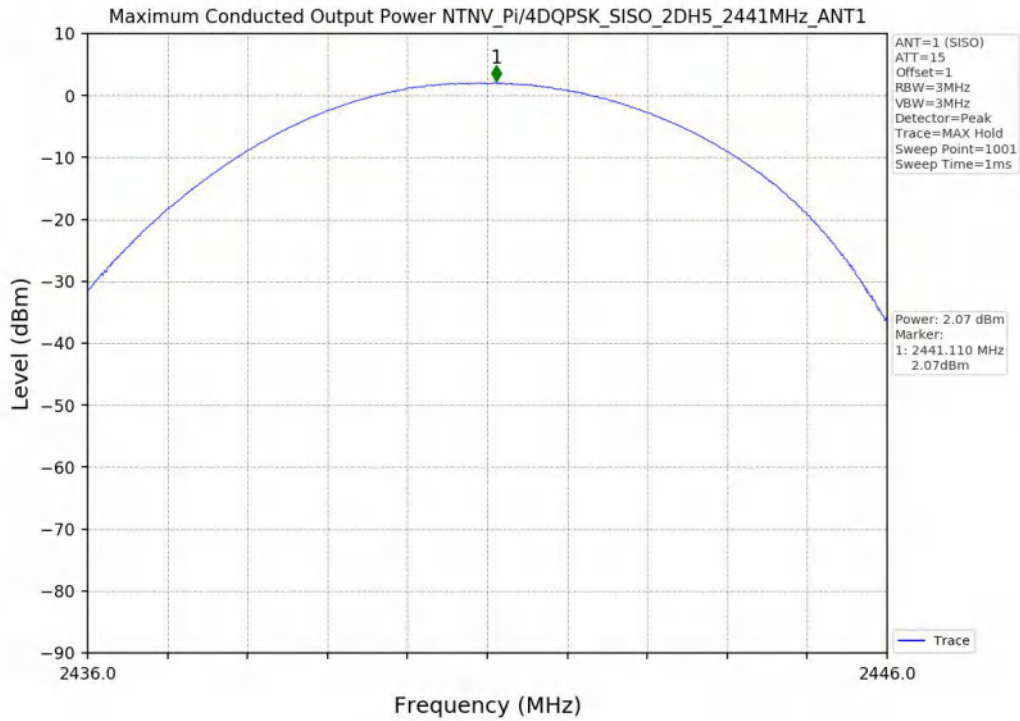
2.1 Test Result

Test Mode	Frequency (MHz)	Tx Type	Measured Peak Output Power (dBm)	Limits (dBm)	Verdict
			Ant 1		
GFSK	2402	SISO	-0.01	30	PASS
	2441	SISO	-0.37	30	PASS
	2480	SISO	-1.22	30	PASS
Pi/4DQPSK	2402	SISO	2.57	20.97	PASS
	2441	SISO	2.07	20.97	PASS
	2480	SISO	1.18	20.97	PASS
8DPSK	2402	SISO	3.06	20.97	PASS
	2441	SISO	2.61	20.97	PASS
	2480	SISO	1.72	20.97	PASS

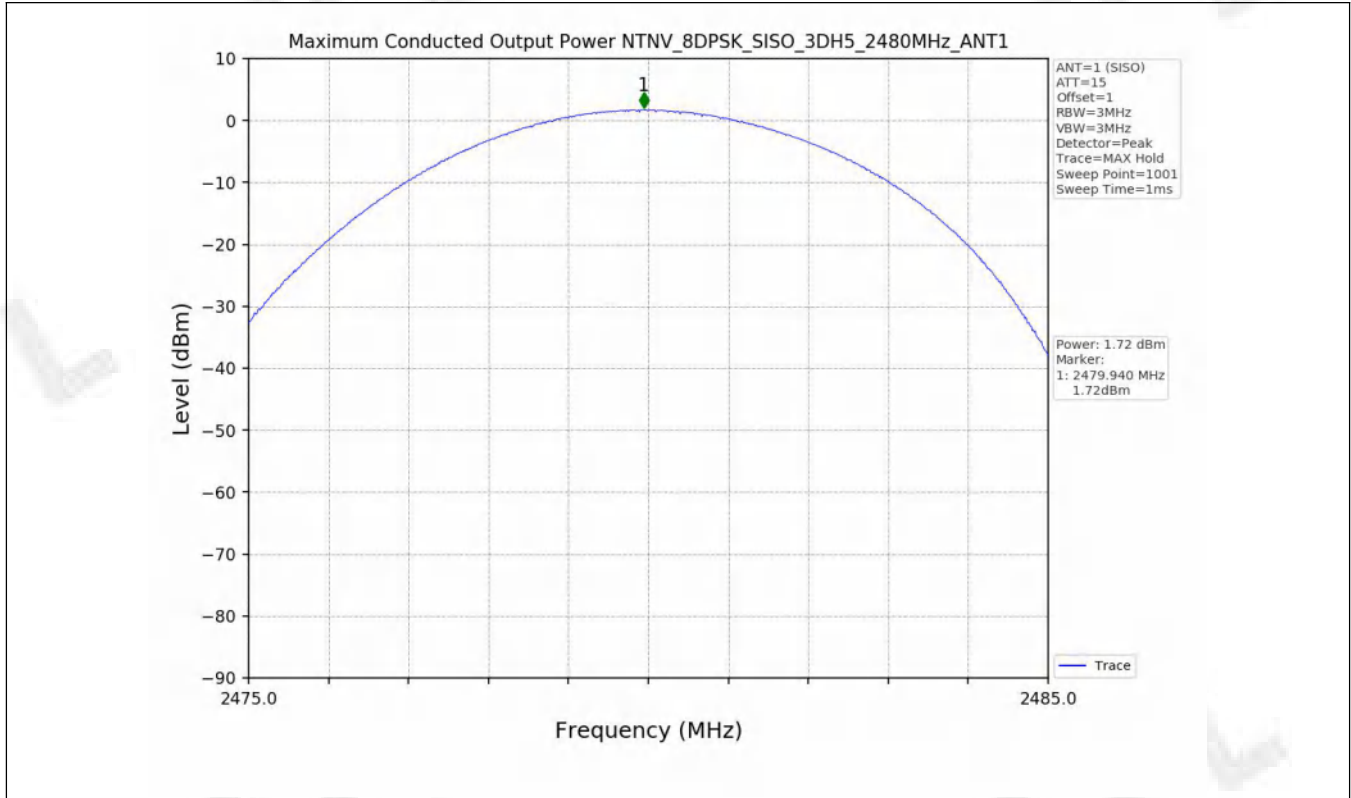
2.2 Test Graph









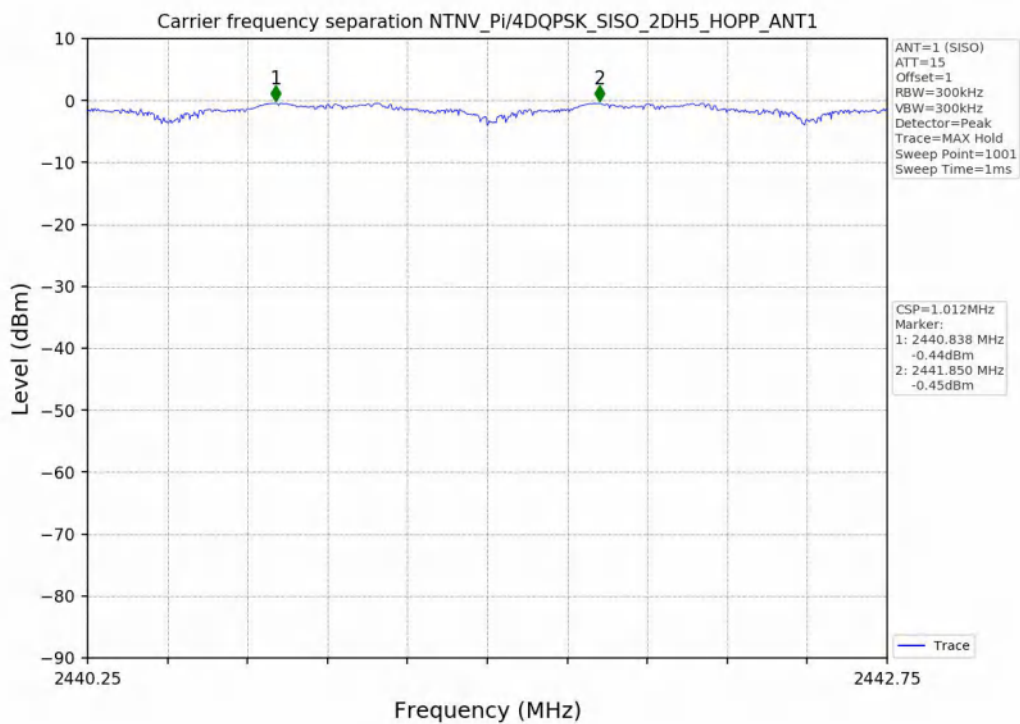
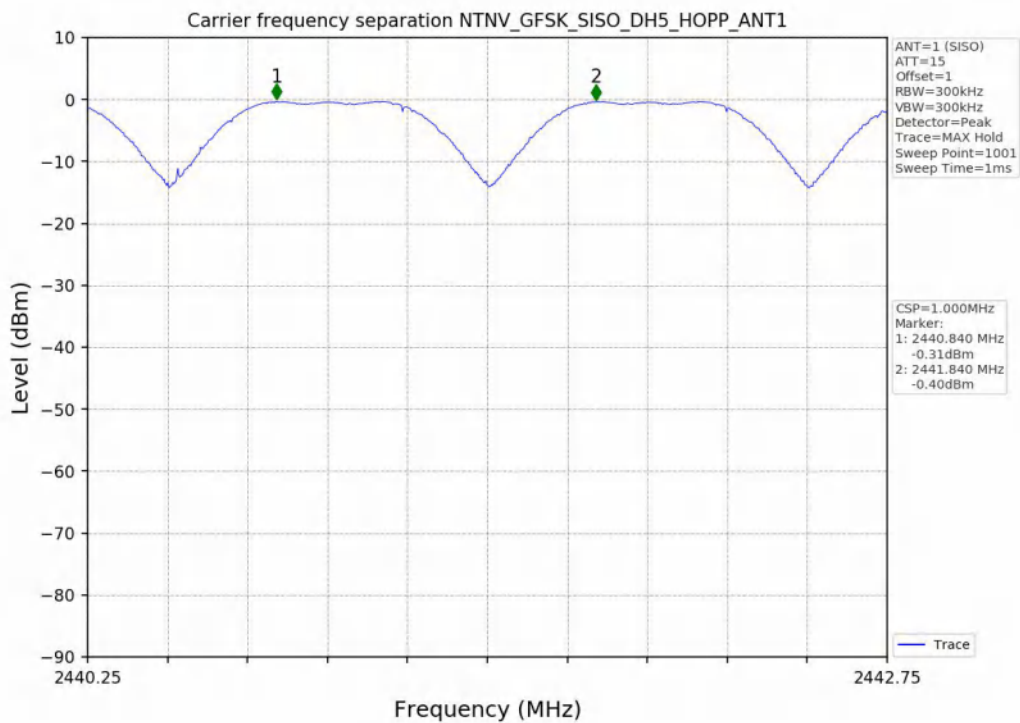


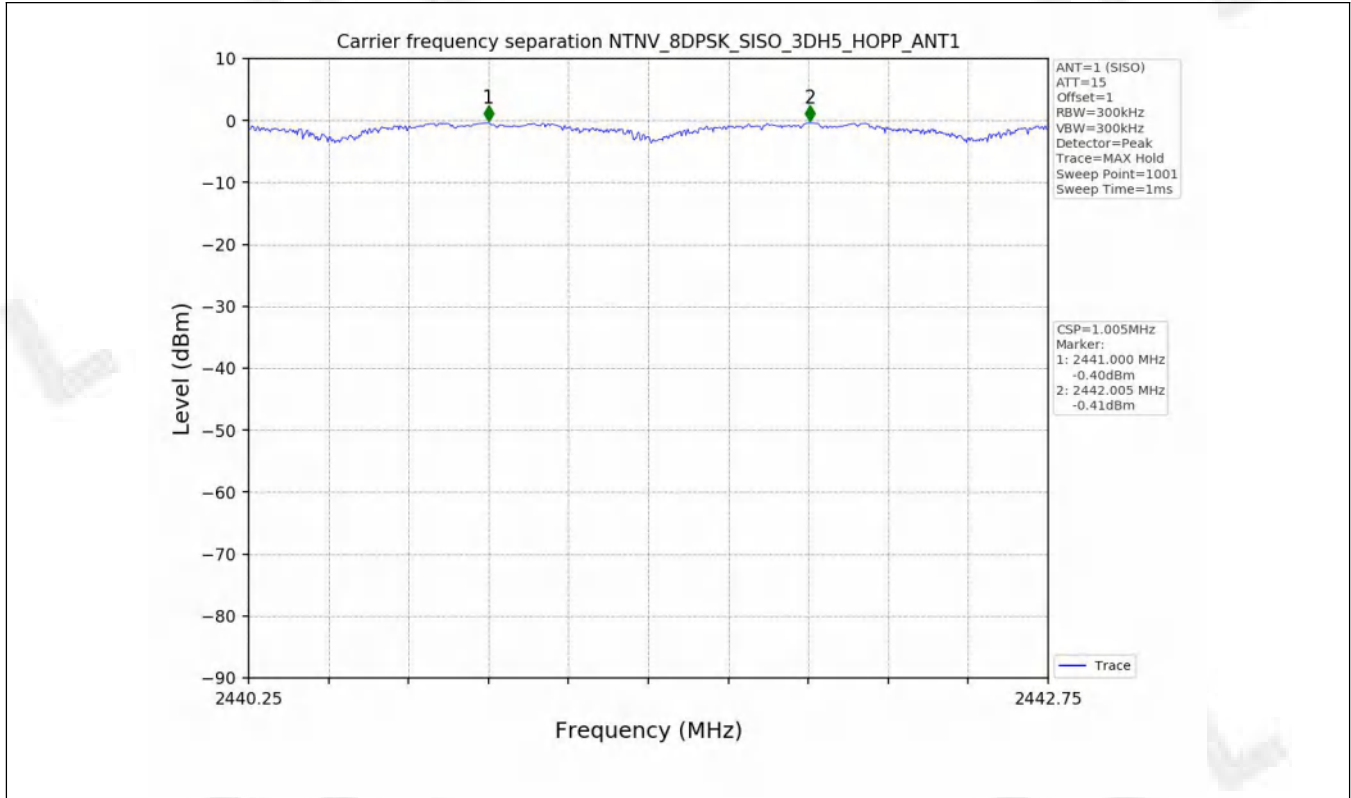
3. Carrier frequency separation

3.1 Test Result

Test Mode	TX Type	ANT No.	Channel Separation (MHz)	20dB Bandwidth (MHz)	Limits (MHz)	Verdict
GFSK	SISO	1	1.000	0.952	≥ 0.952	PASS
Pi/4DQPSK	SISO	1	1.012	1.309	≥ 0.873	PASS
8DPSK	SISO	1	1.005	1.303	≥ 0.869	PASS

3.2 Test Graph



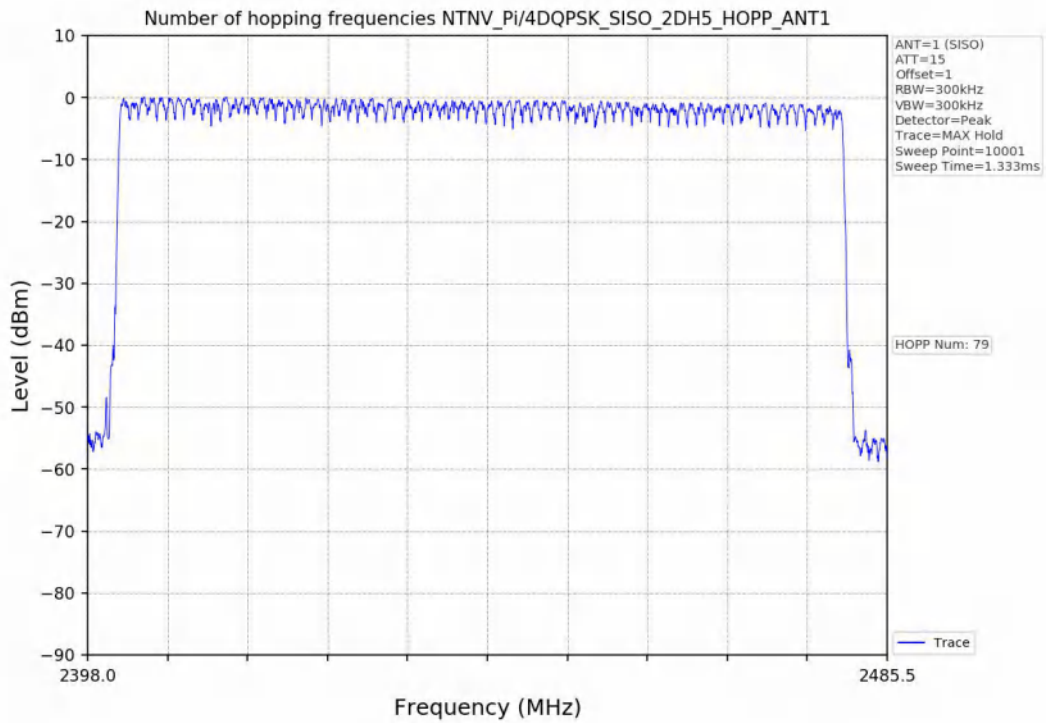
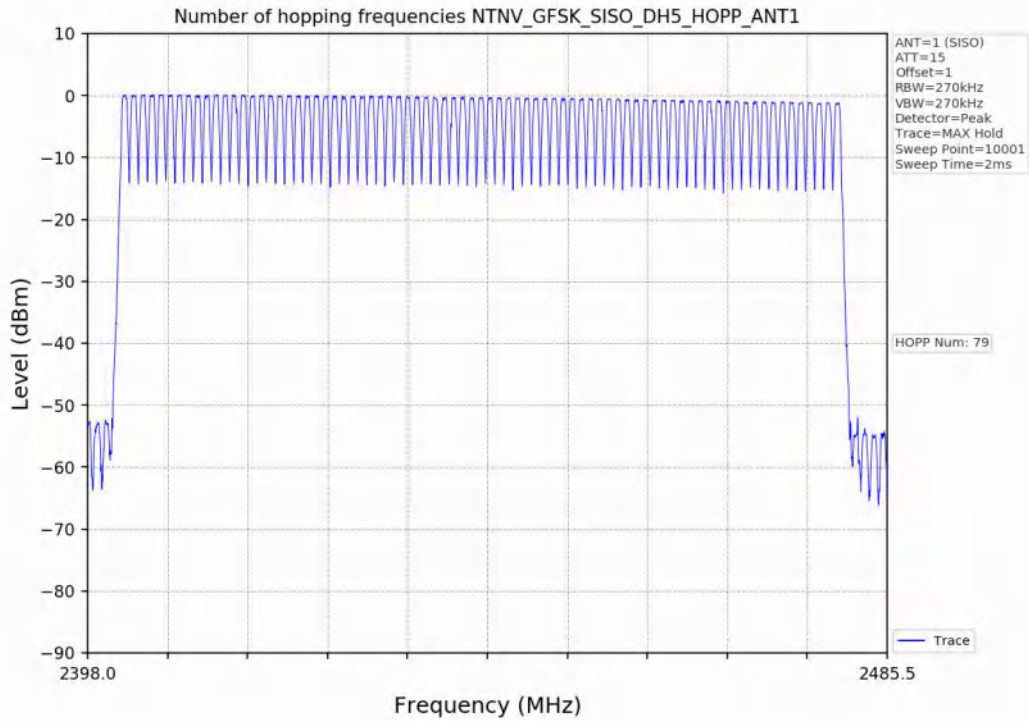


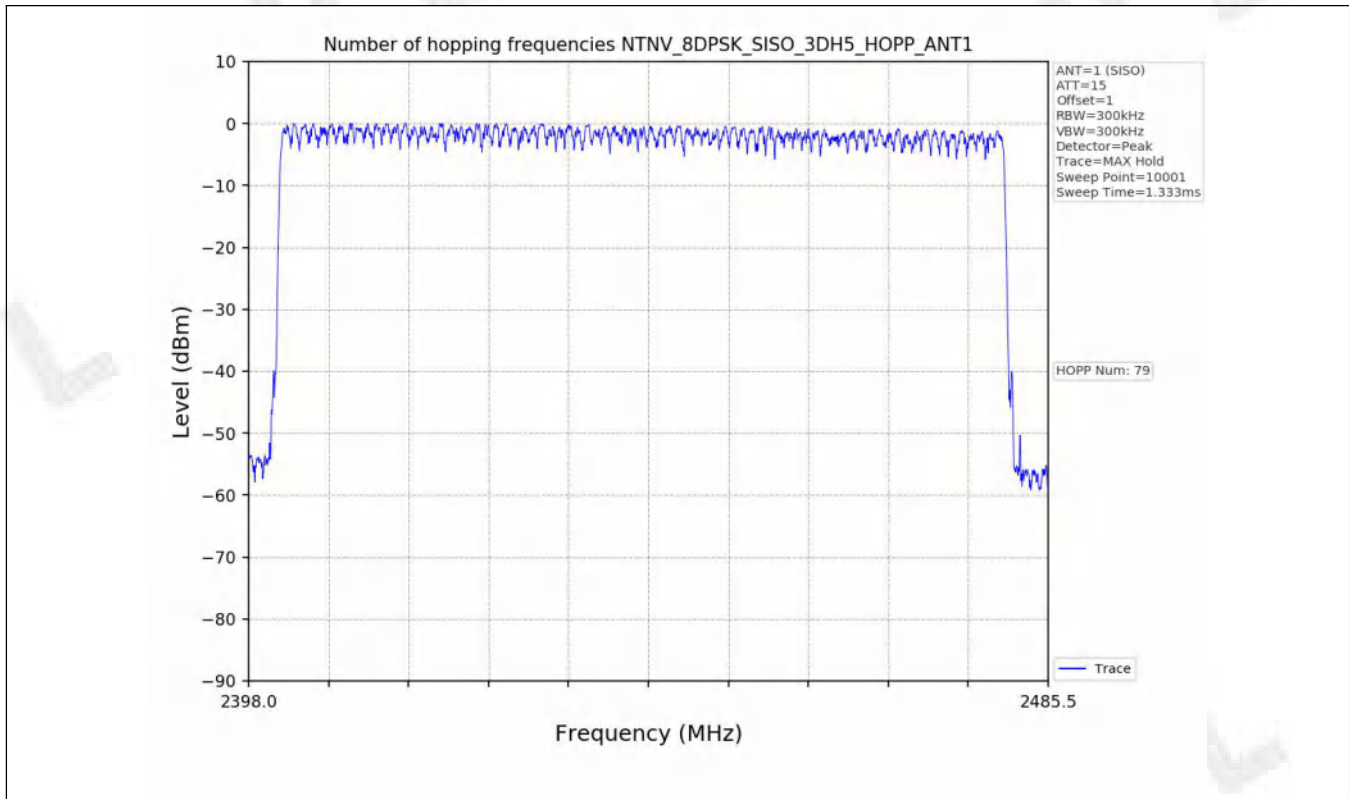
4. Number of hopping frequencies

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



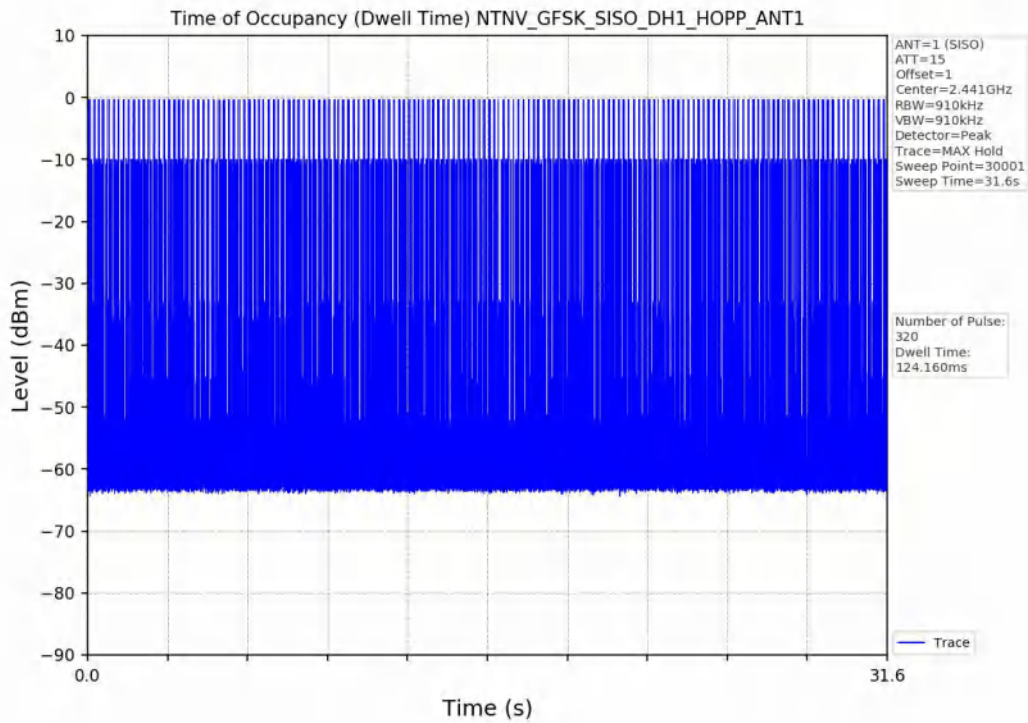
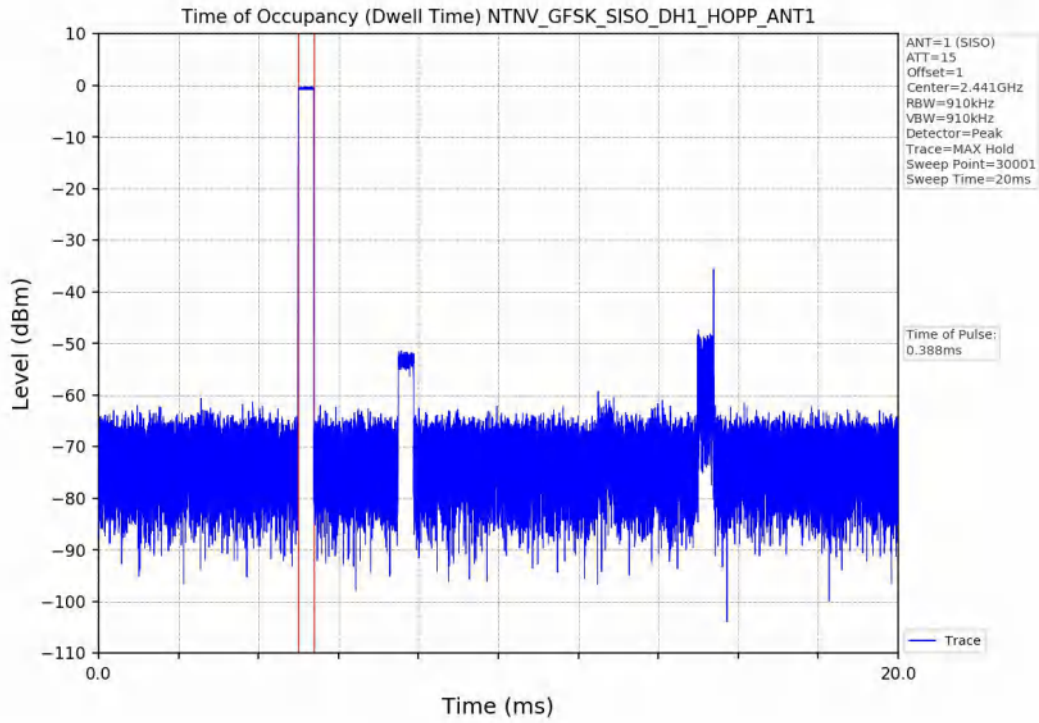


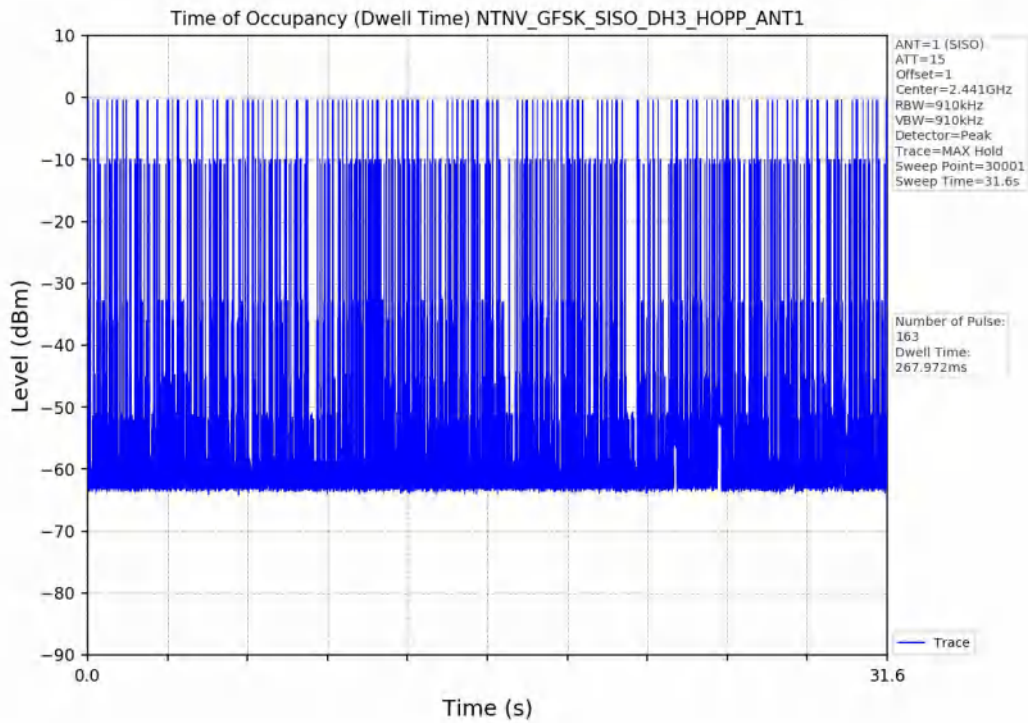
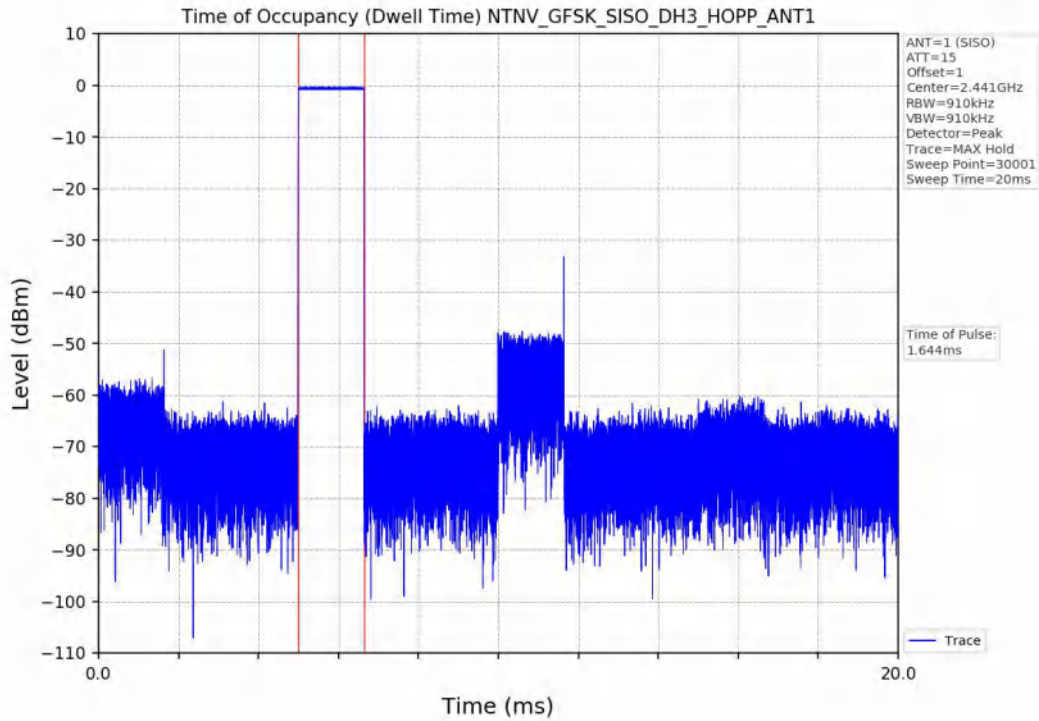
5. Time of Occupancy (Dwell Time)

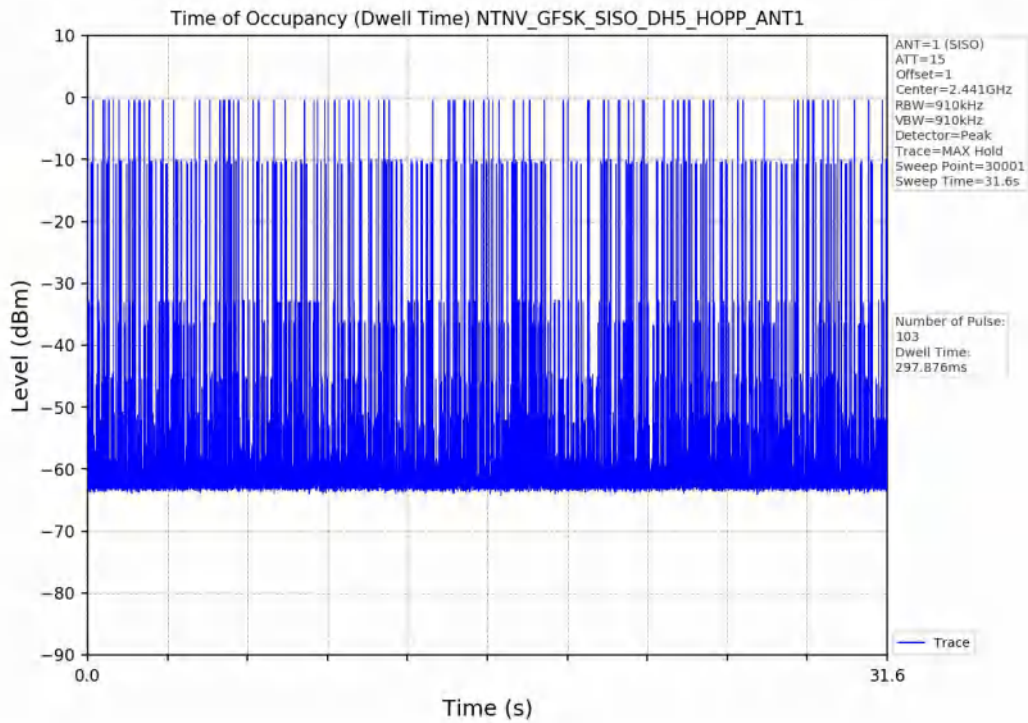
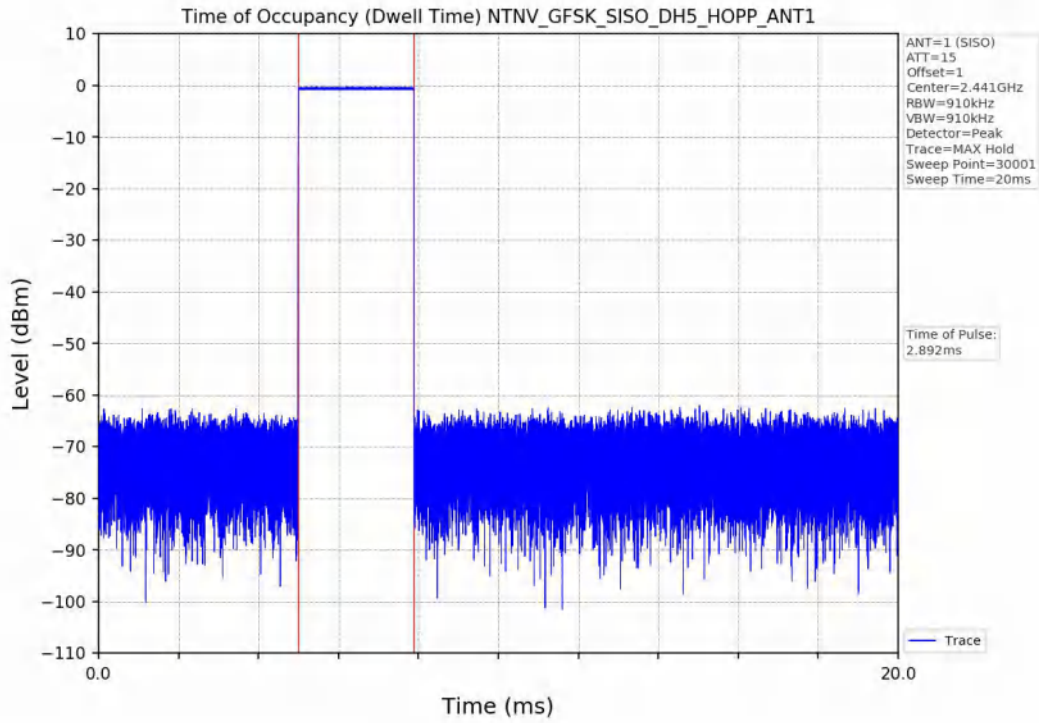
5.1 Test Result

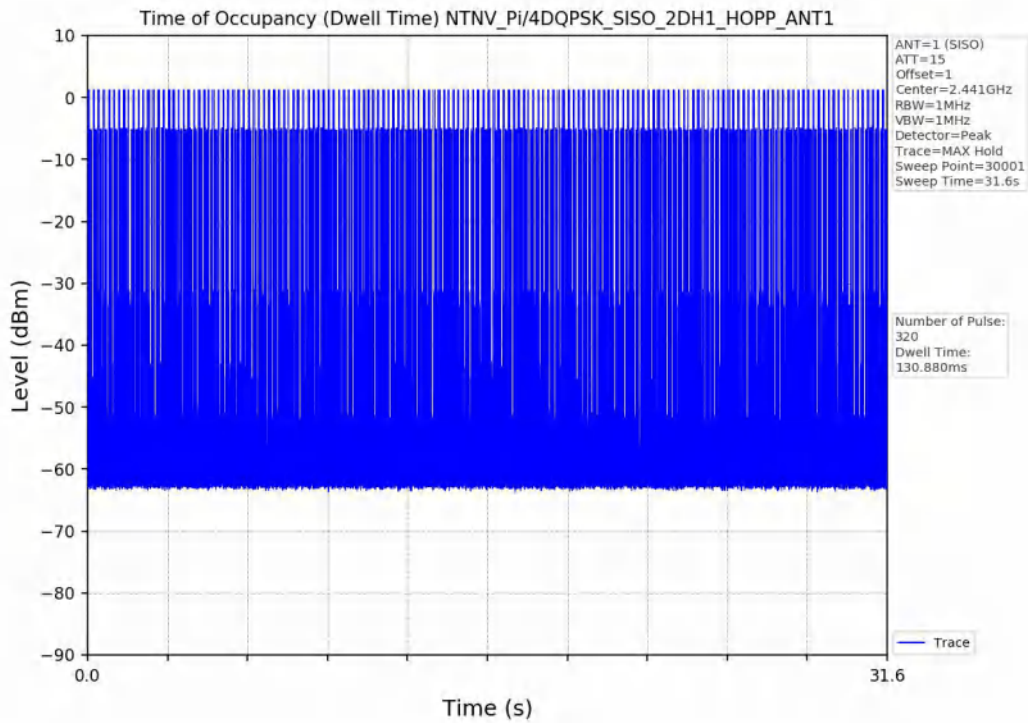
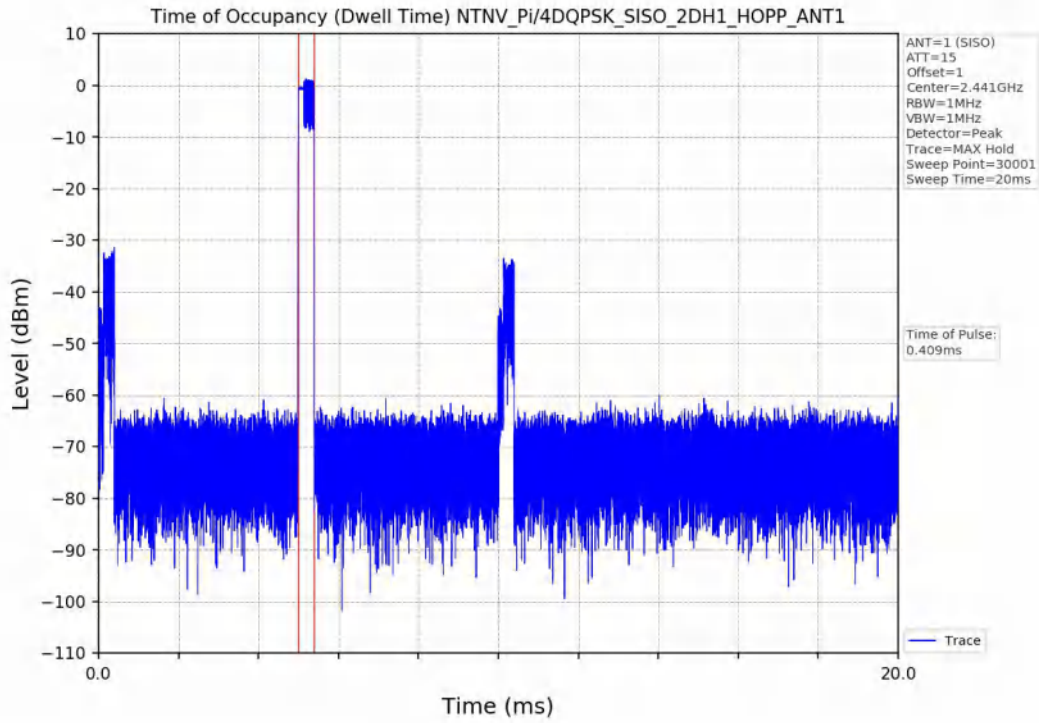
Test Mode	Packet Type	TX Type	ANT No.	Duration of Single Pulse (ms)	Observation Period (s)	Num of Pulse in Observation Period	Dwell Time (ms)	Limits (ms)	Verdict
GFSK	DH1	SISO	1	0.388	31.6	320	124.160	≤400	PASS
	DH3	SISO	1	1.644	31.6	163	267.972	≤400	PASS
	DH5	SISO	1	2.892	31.6	103	297.876	≤400	PASS
Pi/4DQPSK	2DH1	SISO	1	0.409	31.6	320	130.880	≤400	PASS
	2DH3	SISO	1	1.608	31.6	161	258.888	≤400	PASS
	2DH5	SISO	1	2.901	31.6	118	342.318	≤400	PASS
8DPSK	3DH1	SISO	1	0.409	31.6	320	130.880	≤400	PASS
	3DH3	SISO	1	1.661	31.6	156	259.116	≤400	PASS
	3DH5	SISO	1	2.889	31.6	136	392.904	≤400	PASS

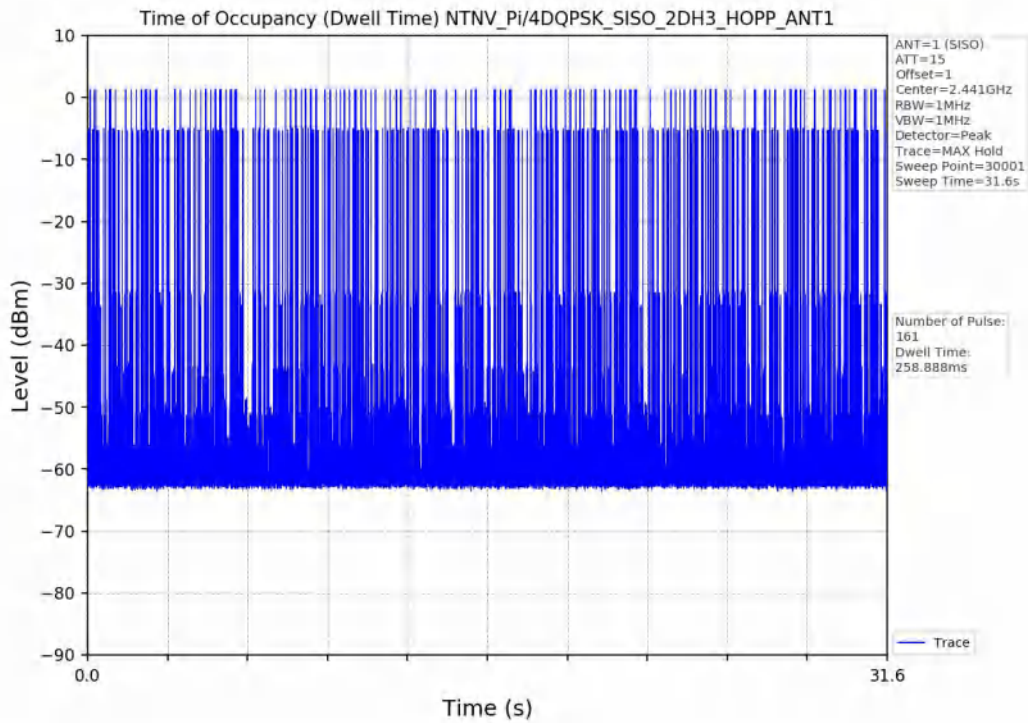
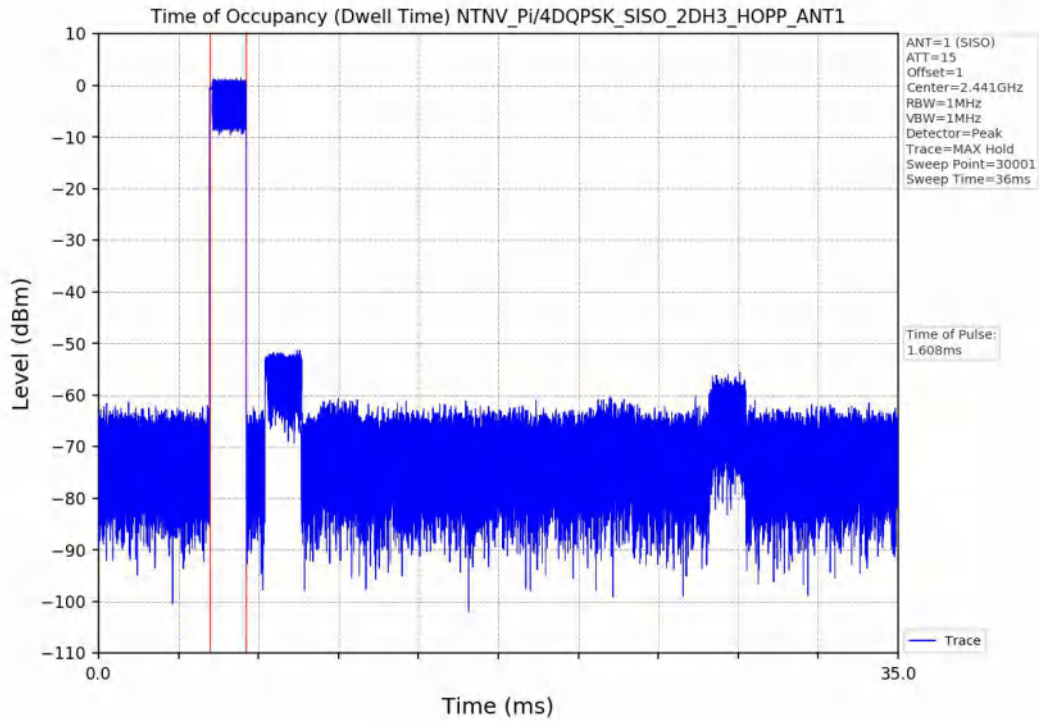
5.2 Test Graph

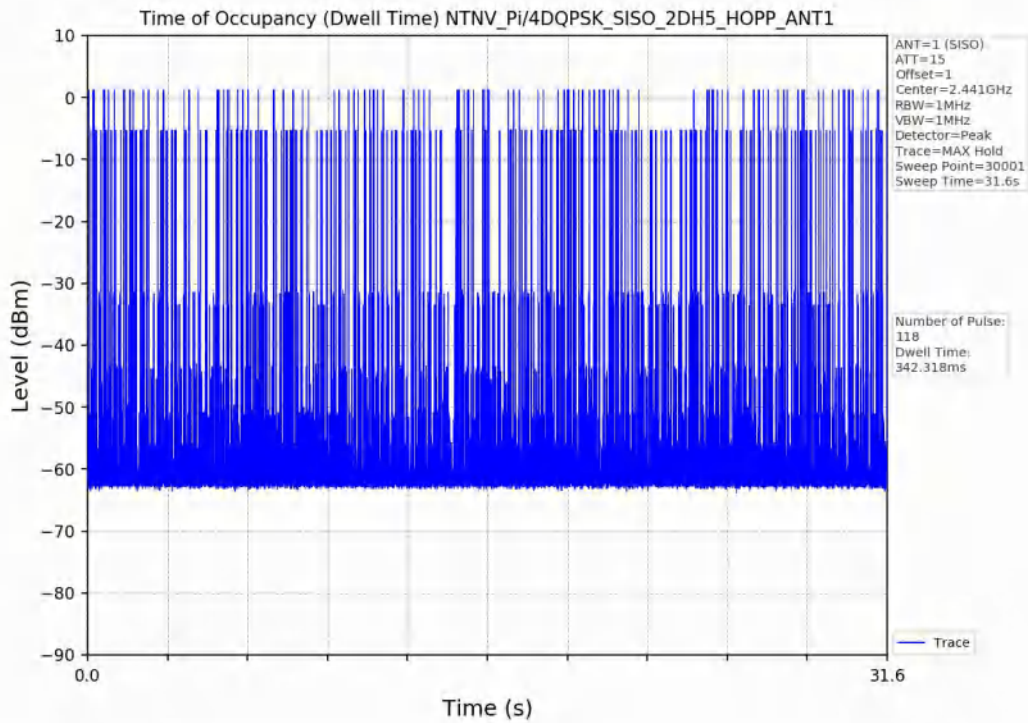
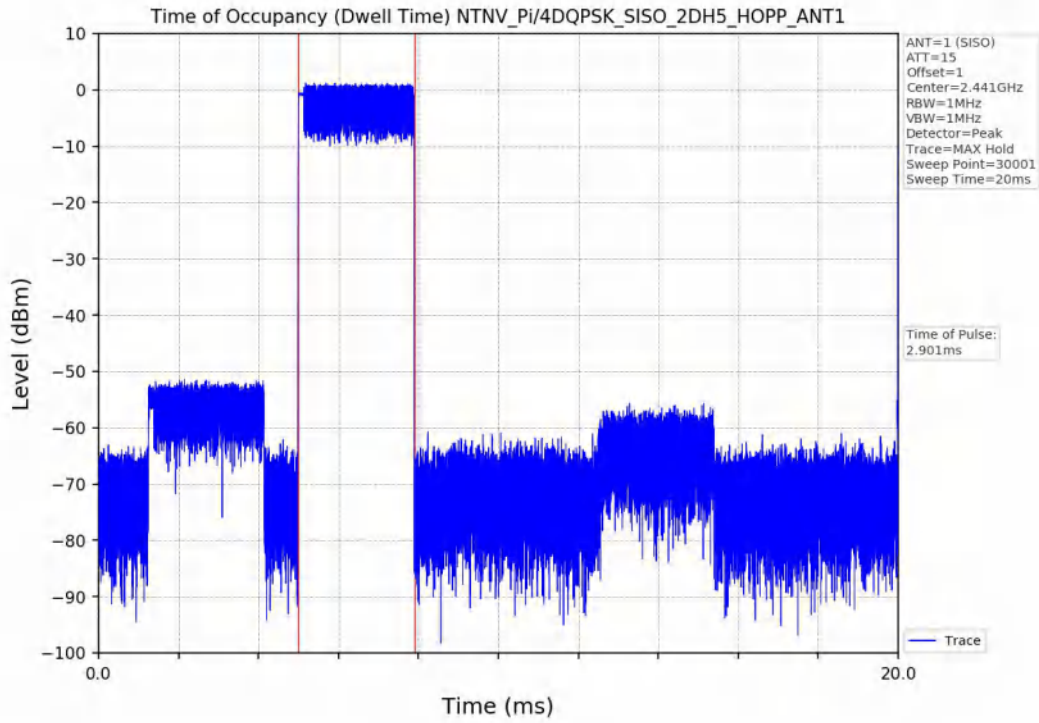


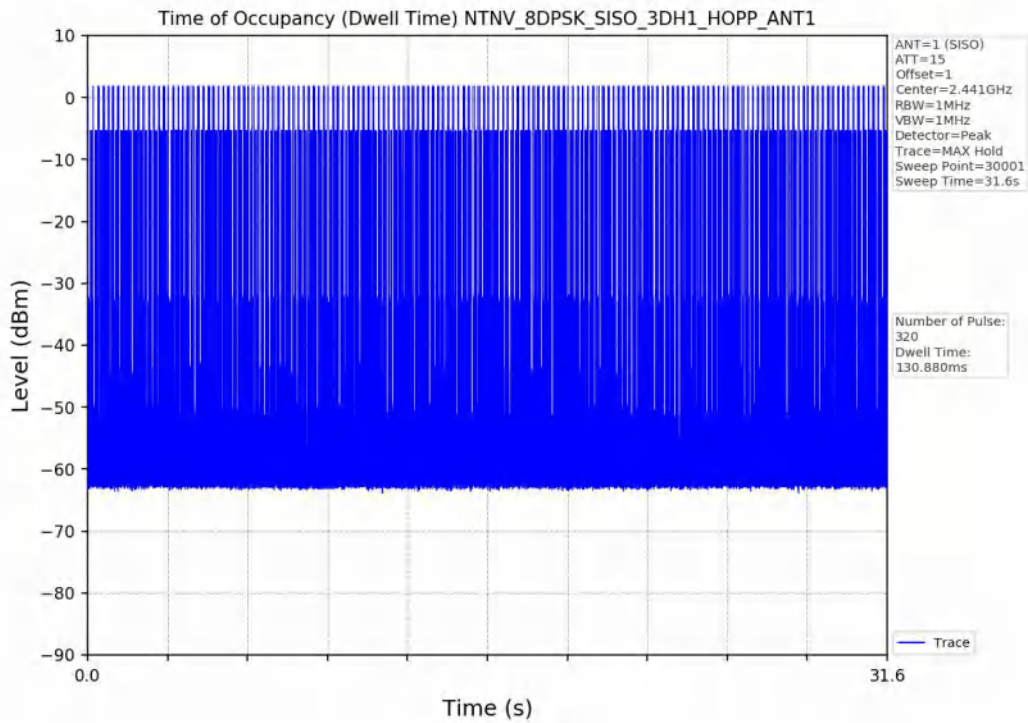
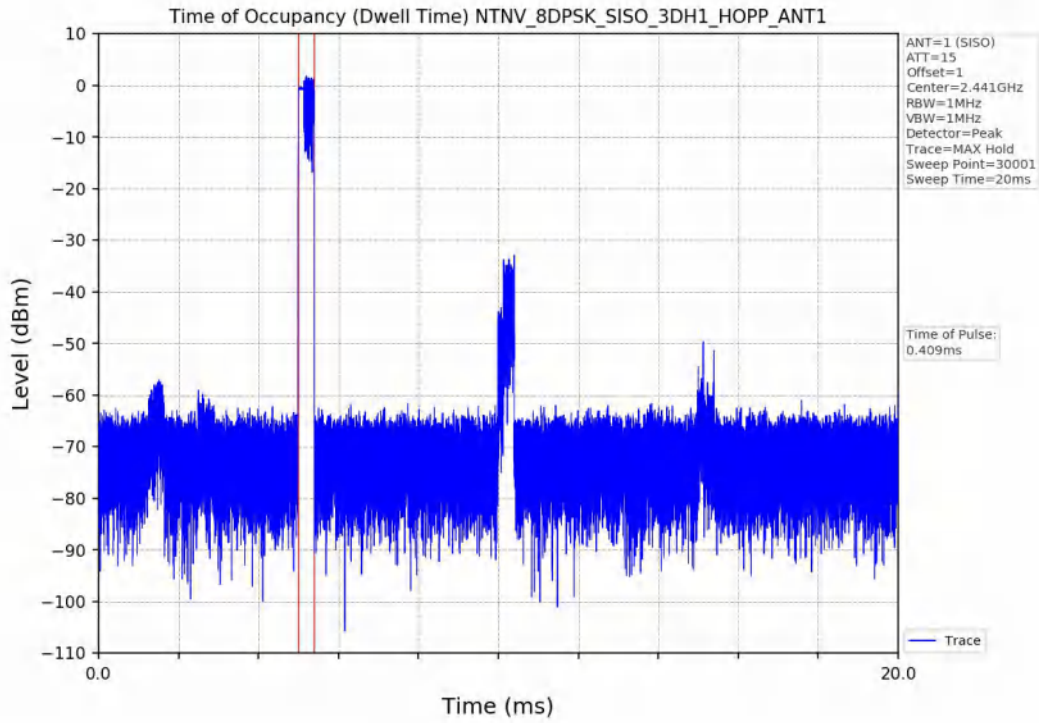


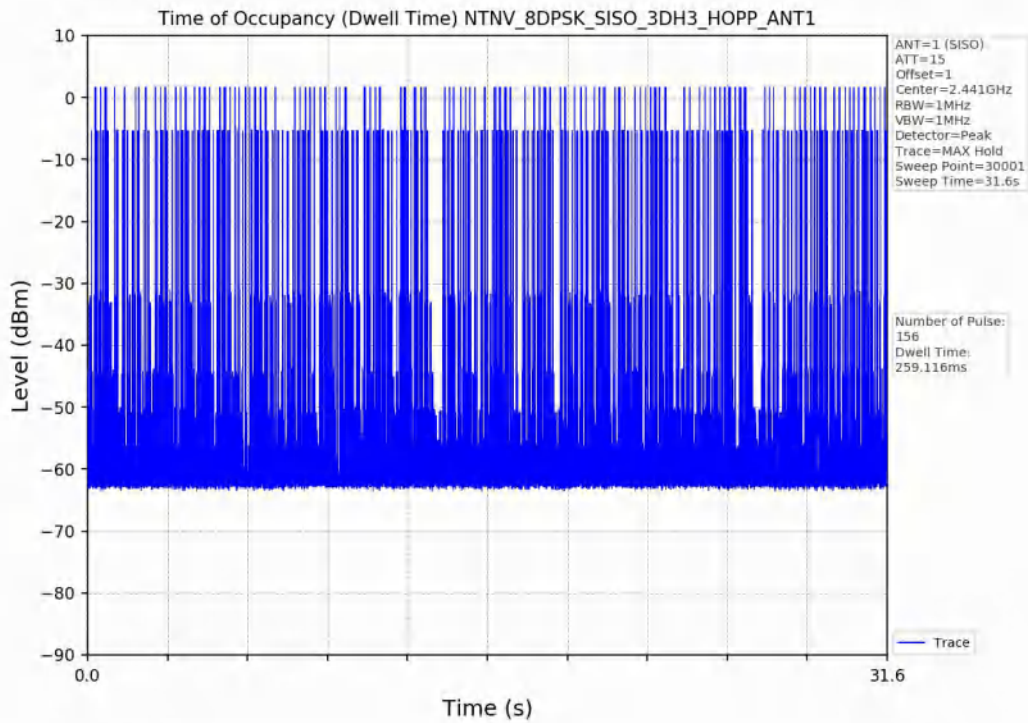
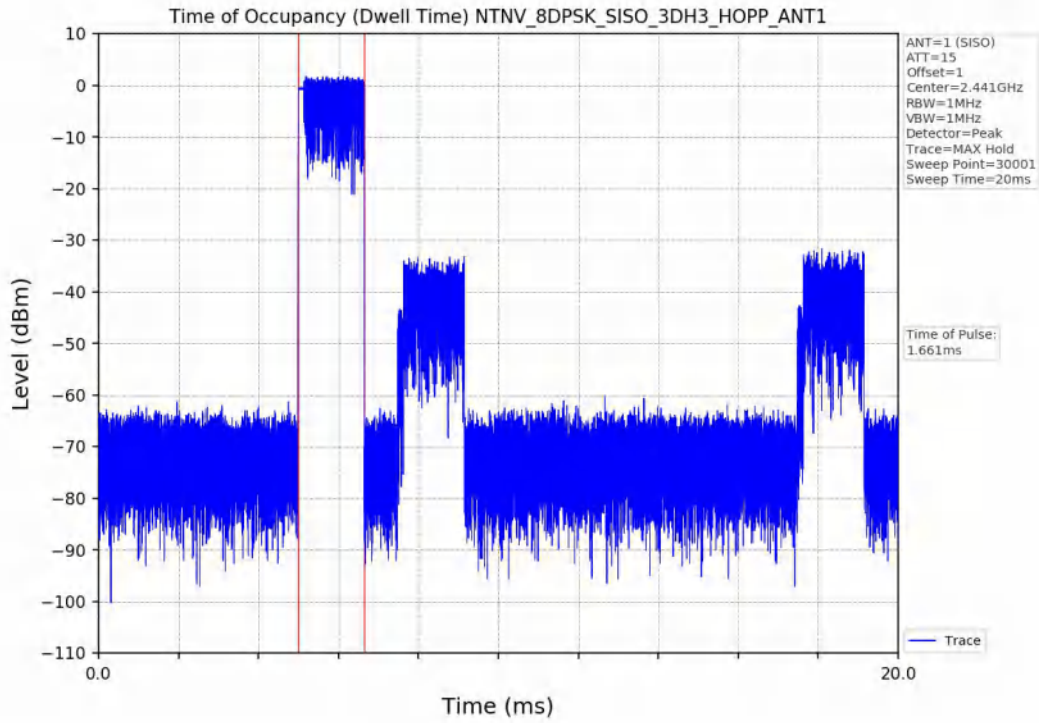


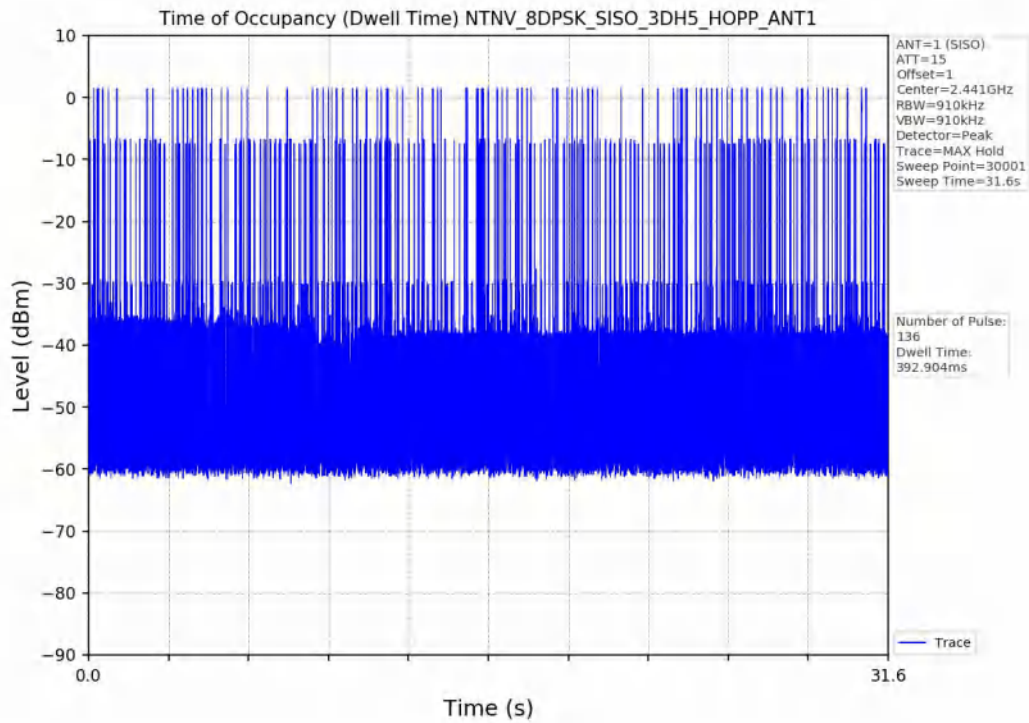
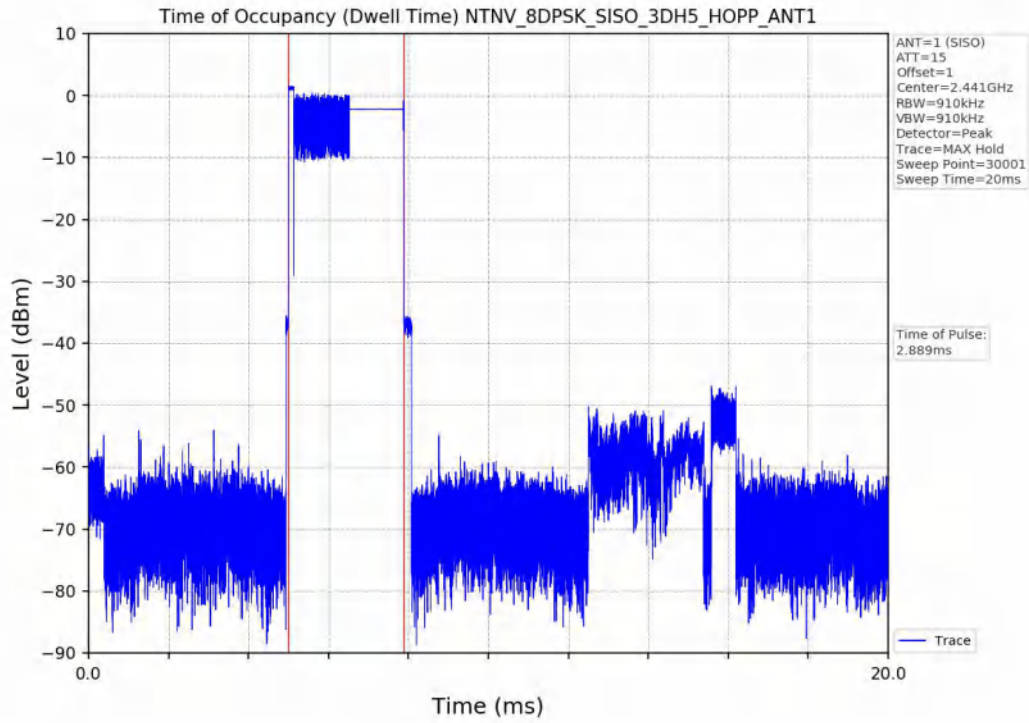












6. Unwanted Emissions in Non-restricted Frequency Bands

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	-20.25	PASS
	2441	SISO	1	Refer to test graph	-20.25	PASS
	2480	SISO	1	Refer to test graph	-20.25	PASS
	Hopping	SISO	1	Refer to test graph	-20.25	PASS
Pi/4DQPSK	2402	SISO	1	Refer to test graph	-20.13	PASS
	2441	SISO	1	Refer to test graph	-20.13	PASS
	2480	SISO	1	Refer to test graph	-20.13	PASS
	Hopping	SISO	1	Refer to test graph	-20.13	PASS
8DPSK	2402	SISO	1	Refer to test graph	-20.11	PASS
	2441	SISO	1	Refer to test graph	-20.11	PASS
	2480	SISO	1	Refer to test graph	-20.11	PASS
	Hopping	SISO	1	Refer to test graph	-20.11	PASS

6.2 Test Graph

