

Appendix for 15.247

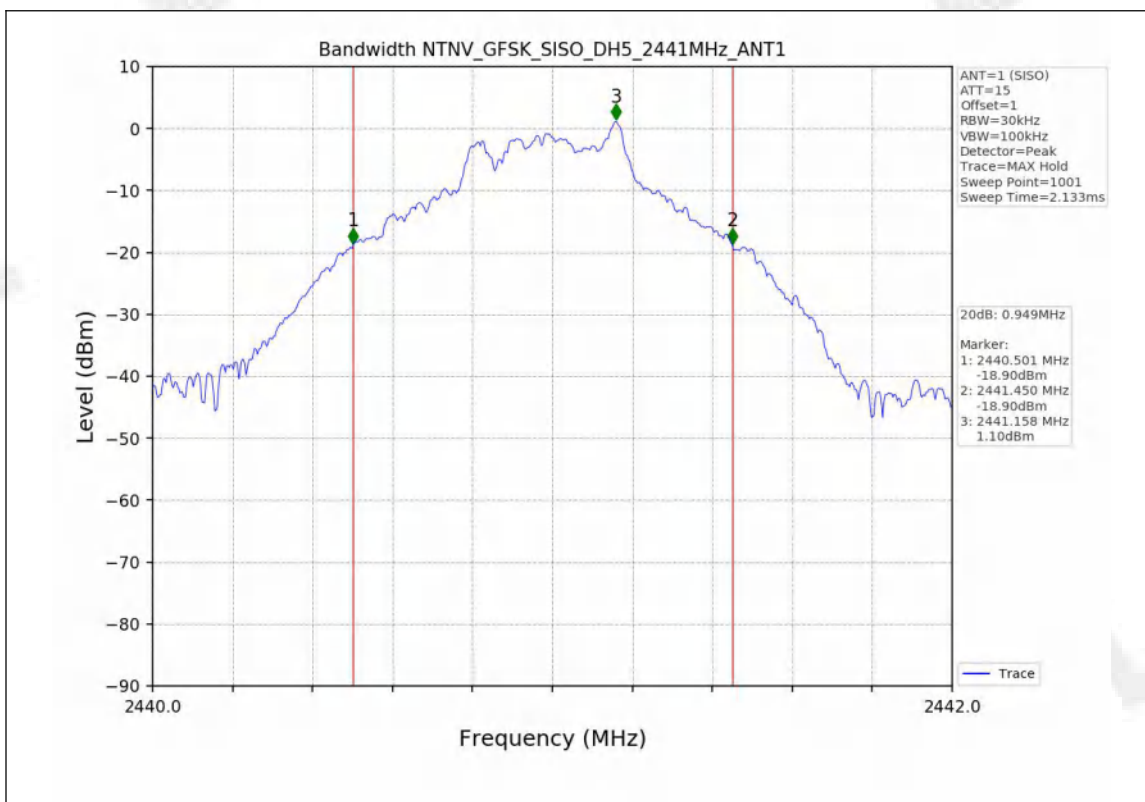
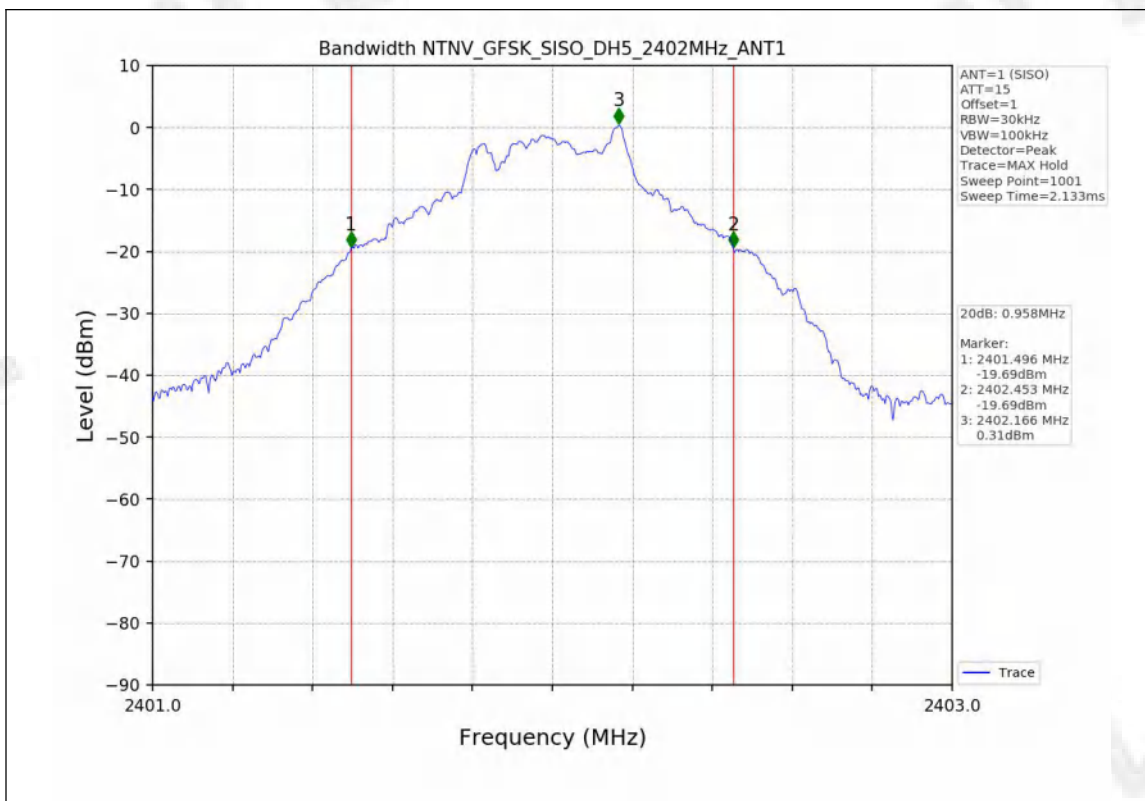
1. Bandwidth

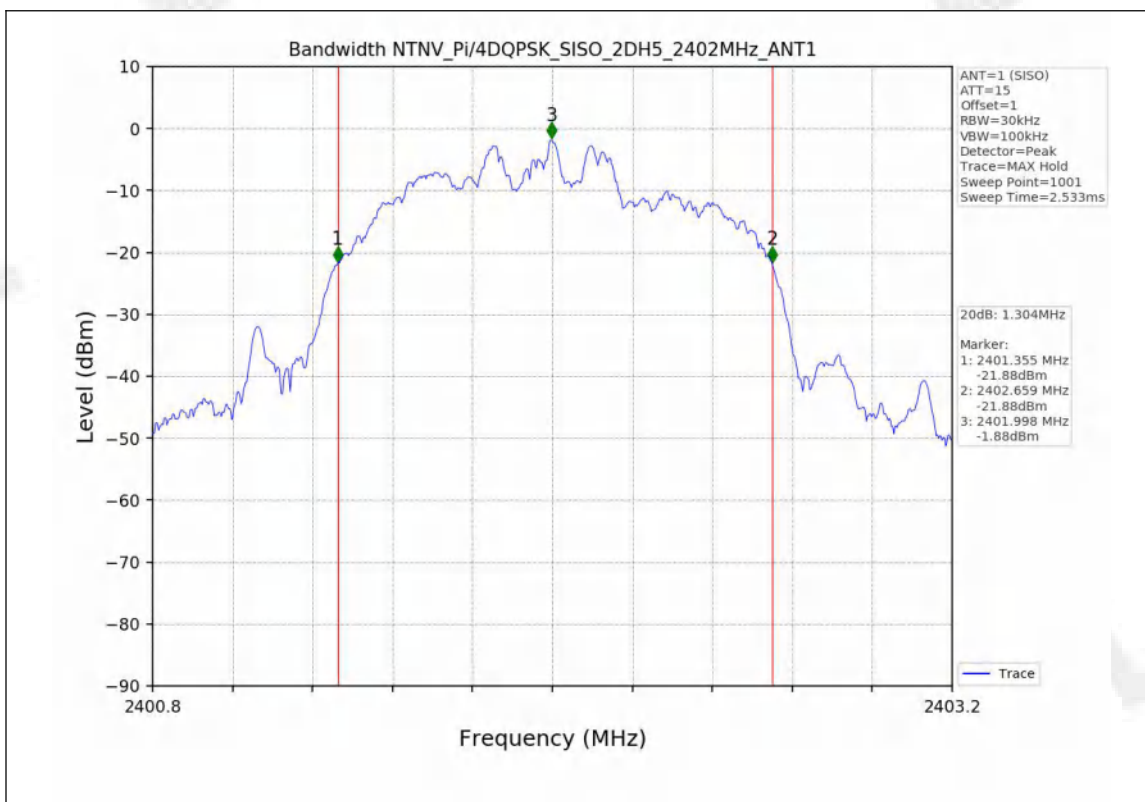
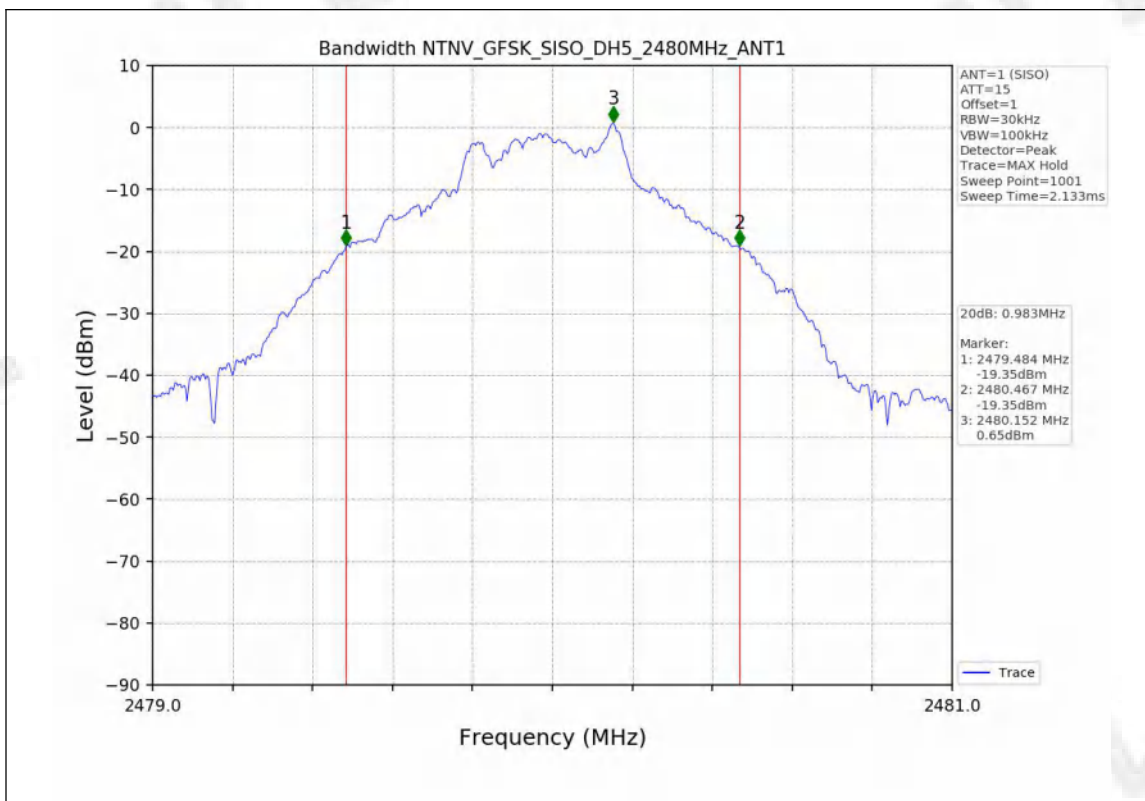
1.1 Test Result

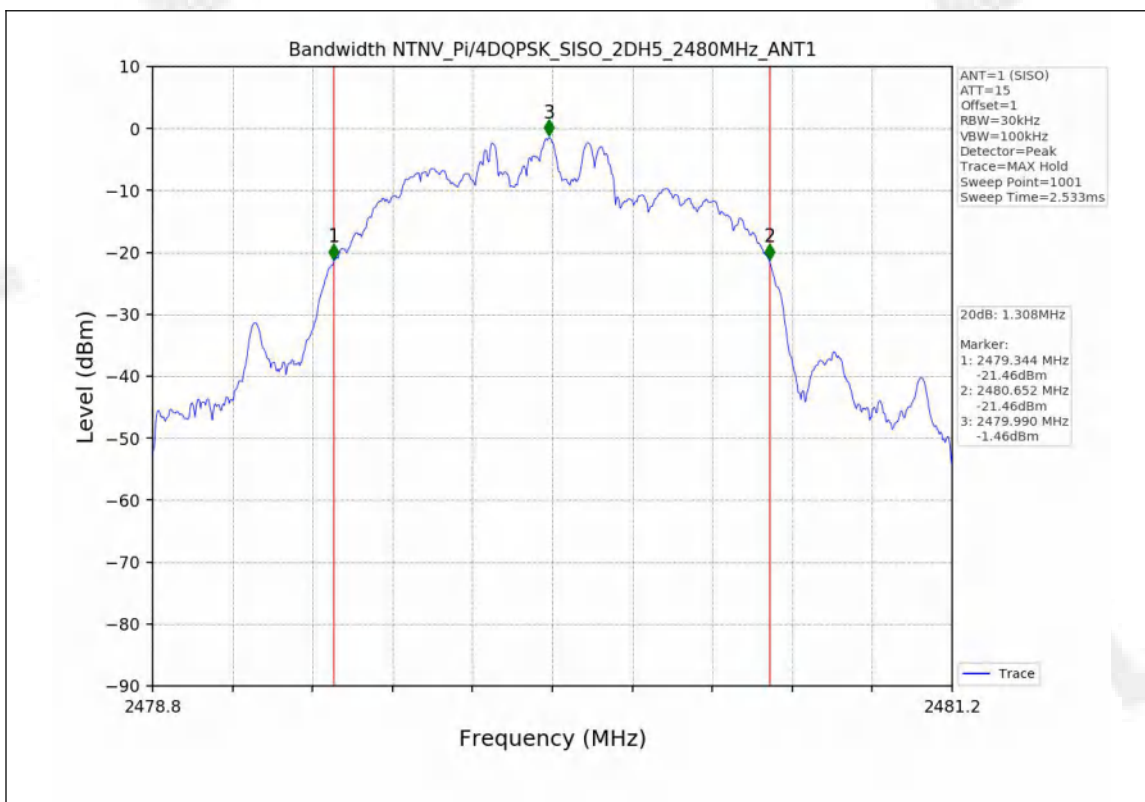
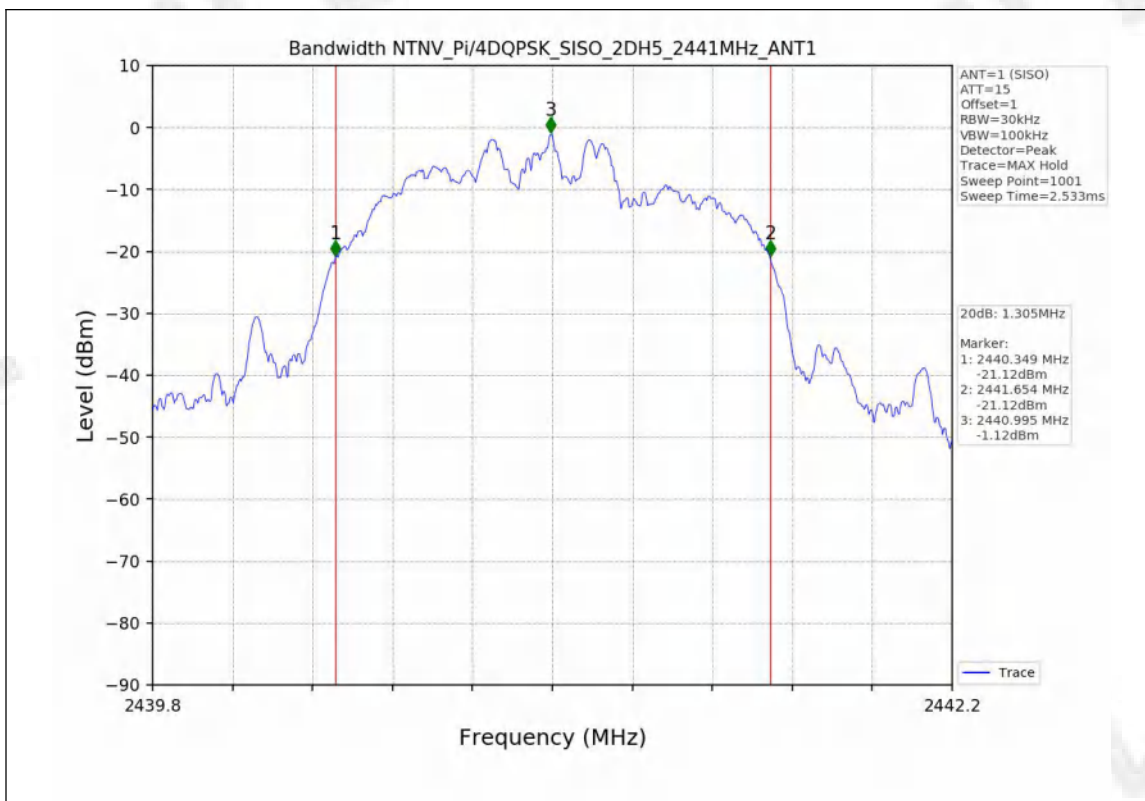
Test Mode	Frequency (MHz)	TX Type	ANT No.	20dB Bandwidth	Verdict
				Test Result (MHz)	
GFSK	2402	SISO	1	0.958	PASS
	2441	SISO	1	0.949	PASS
	2480	SISO	1	0.983	PASS
Pi/4DQPSK	2402	SISO	1	1.304	PASS
	2441	SISO	1	1.305	PASS
	2480	SISO	1	1.308	PASS
8DPSK	2402	SISO	1	1.297	PASS
	2441	SISO	1	1.296	PASS
	2480	SISO	1	1.297	PASS

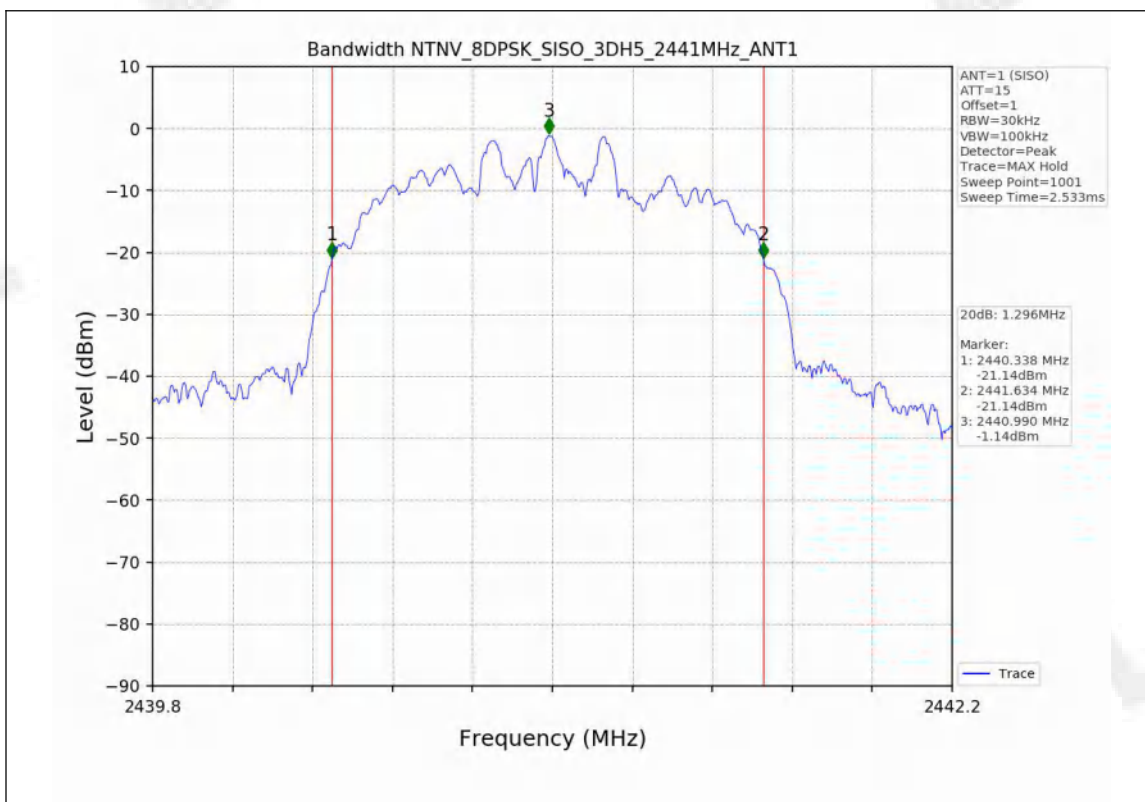
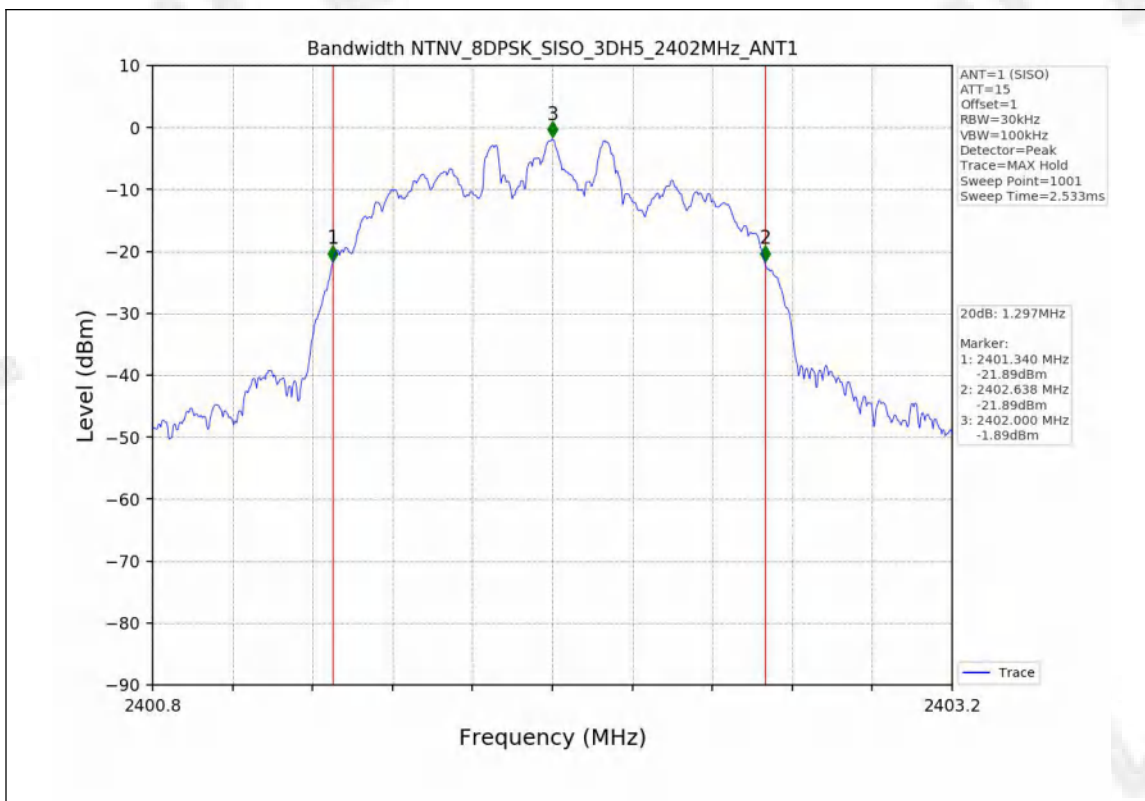
Test Mode	Frequency (MHz)	TX Type	ANT No.	99% Occupied Bandwidth	
				Test Result (MHz)	
GFSK	2402	SISO	1	0.902	Only for Report Use
	2441	SISO	1	0.906	Only for Report Use
	2480	SISO	1	0.899	Only for Report Use
Pi/4DQPSK	2402	SISO	1	1.184	Only for Report Use
	2441	SISO	1	1.182	Only for Report Use
	2480	SISO	1	1.184	Only for Report Use
8DPSK	2402	SISO	1	1.184	Only for Report Use
	2441	SISO	1	1.182	Only for Report Use
	2480	SISO	1	1.180	Only for Report Use

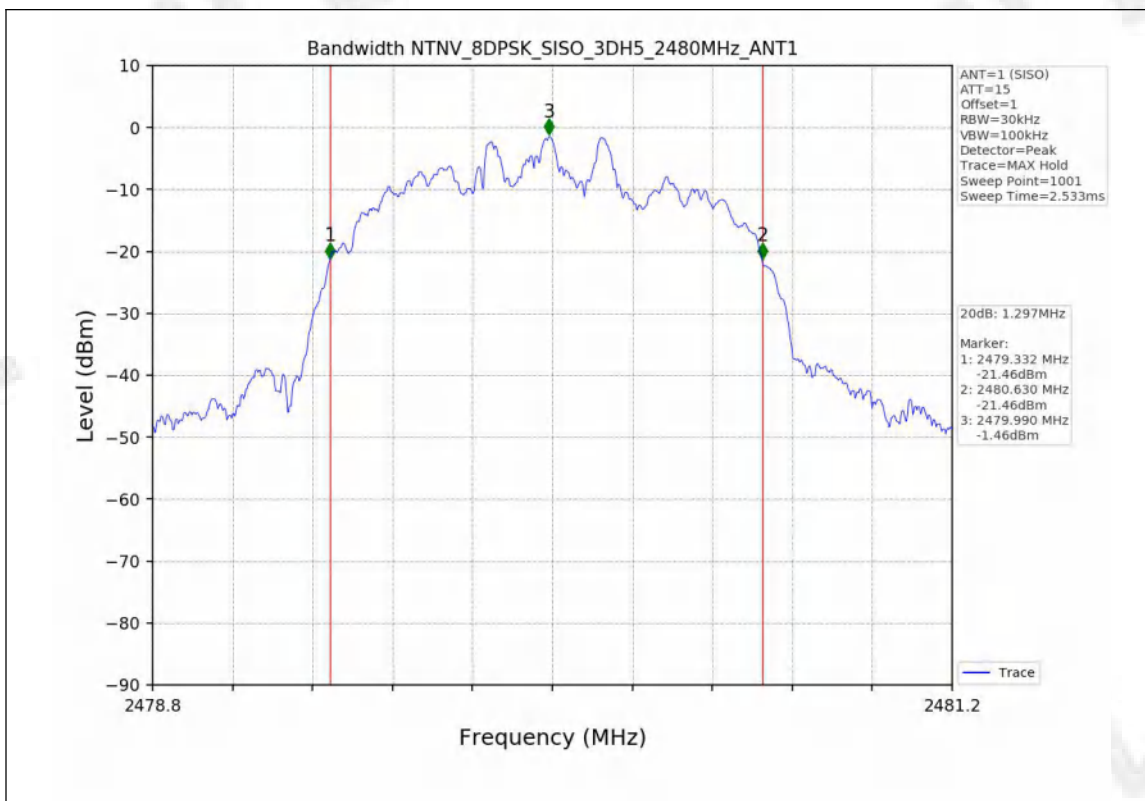
1.2 Test Graph - 20dB Bandwidth



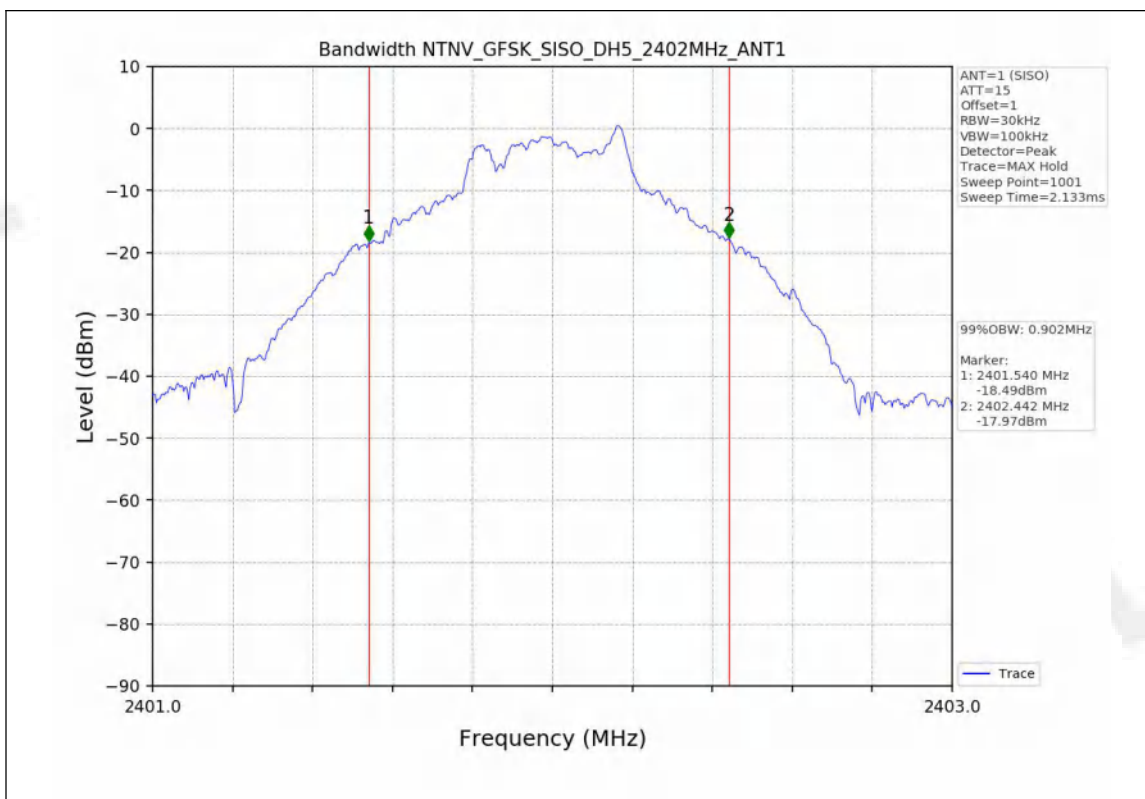


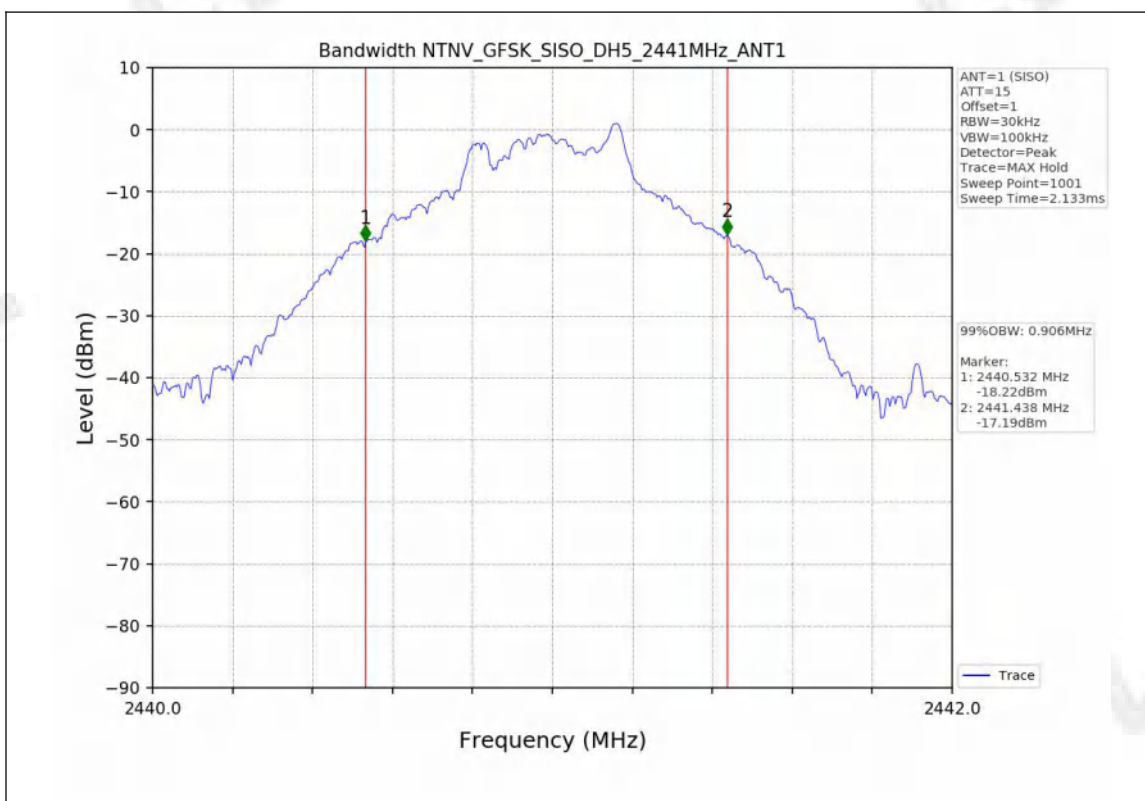


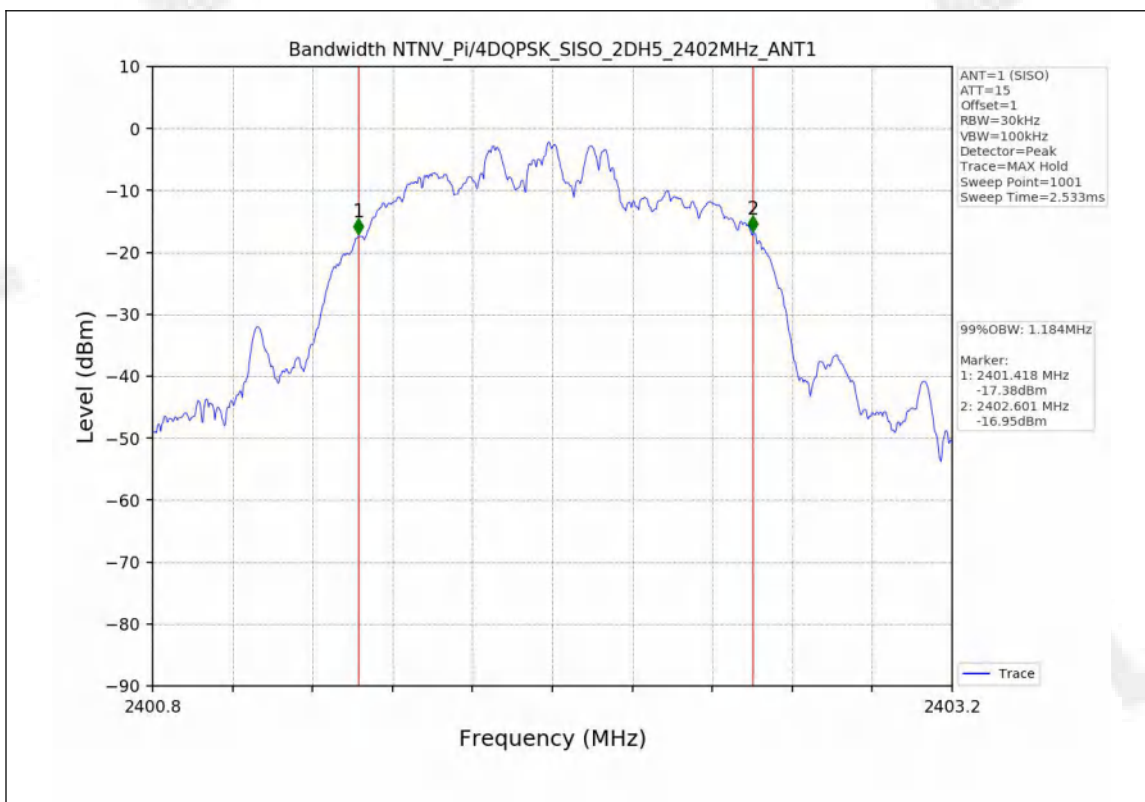
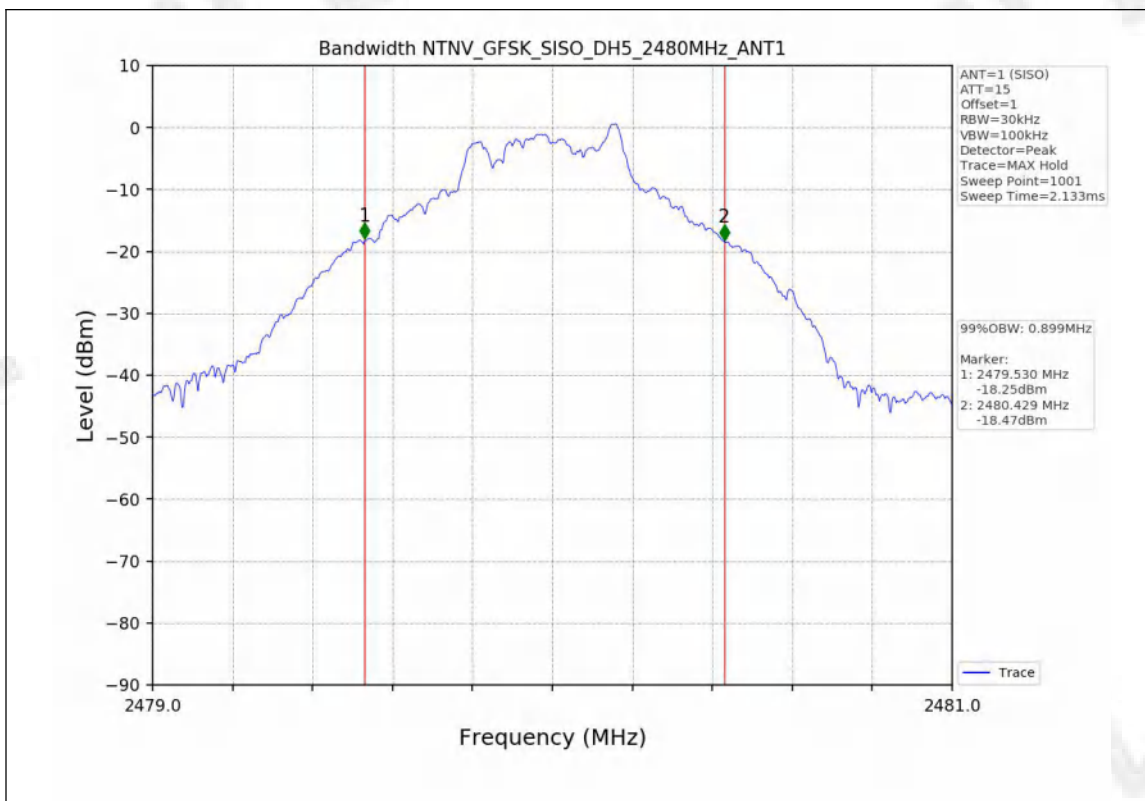


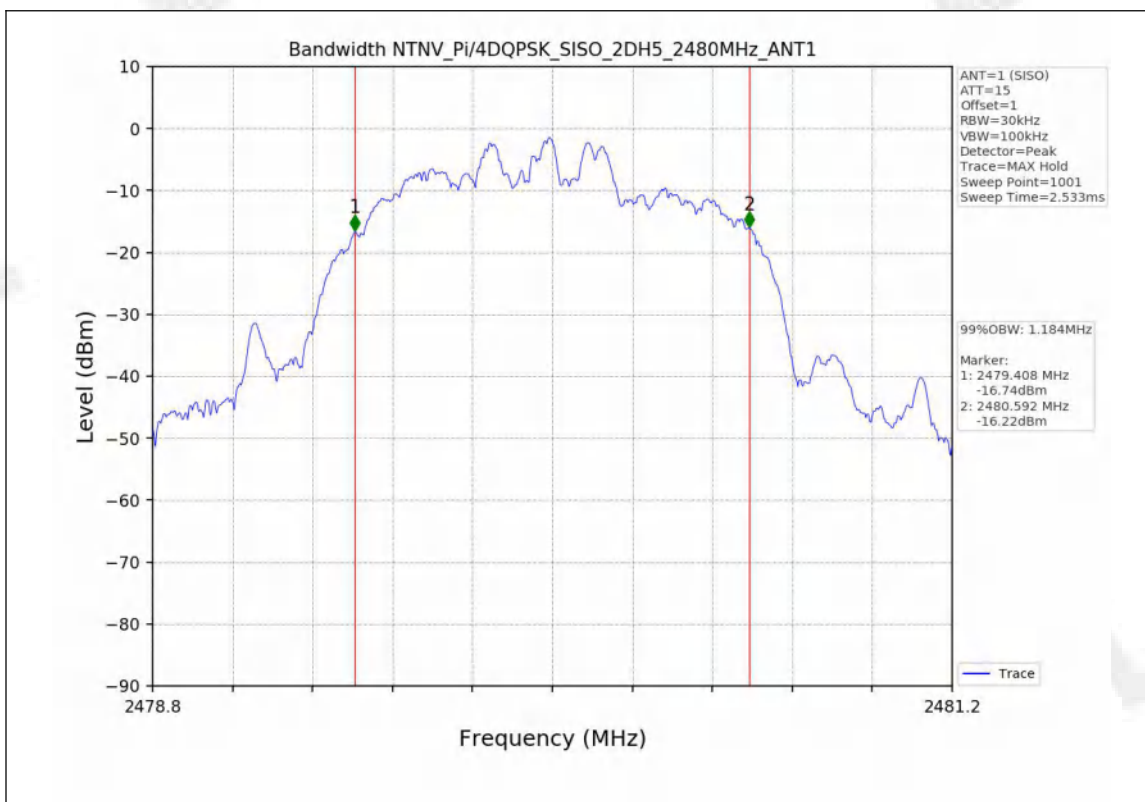
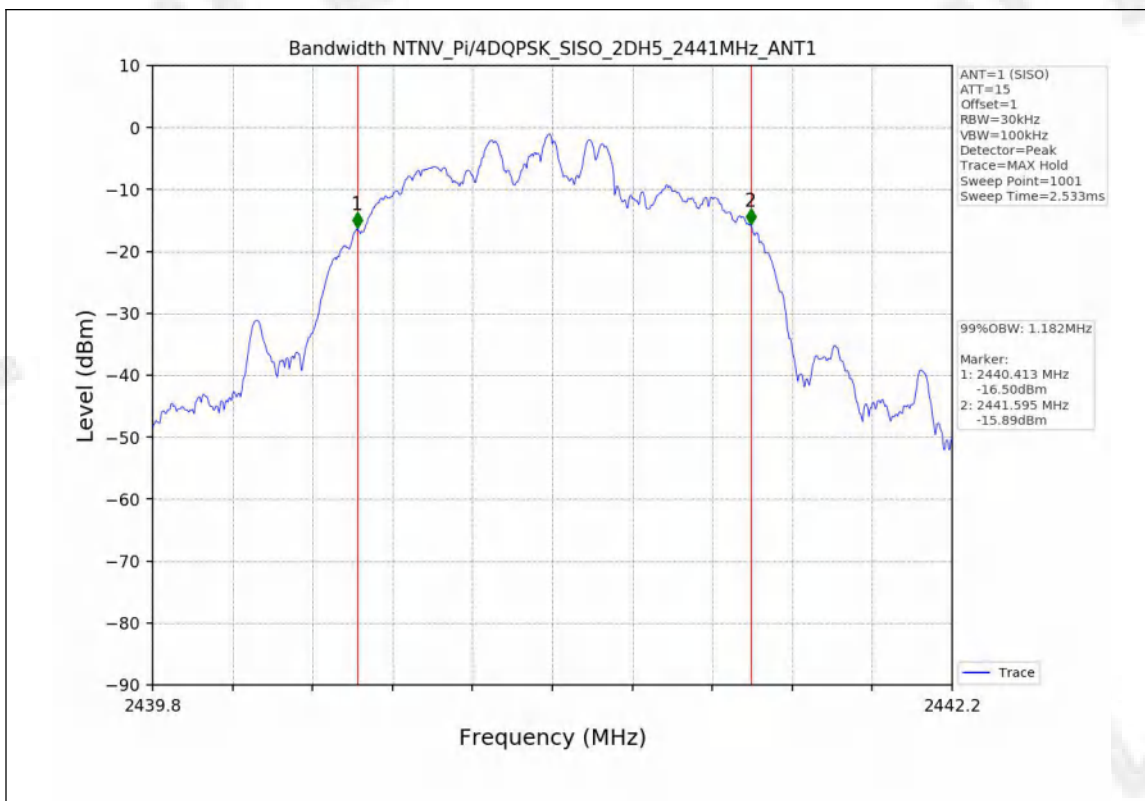


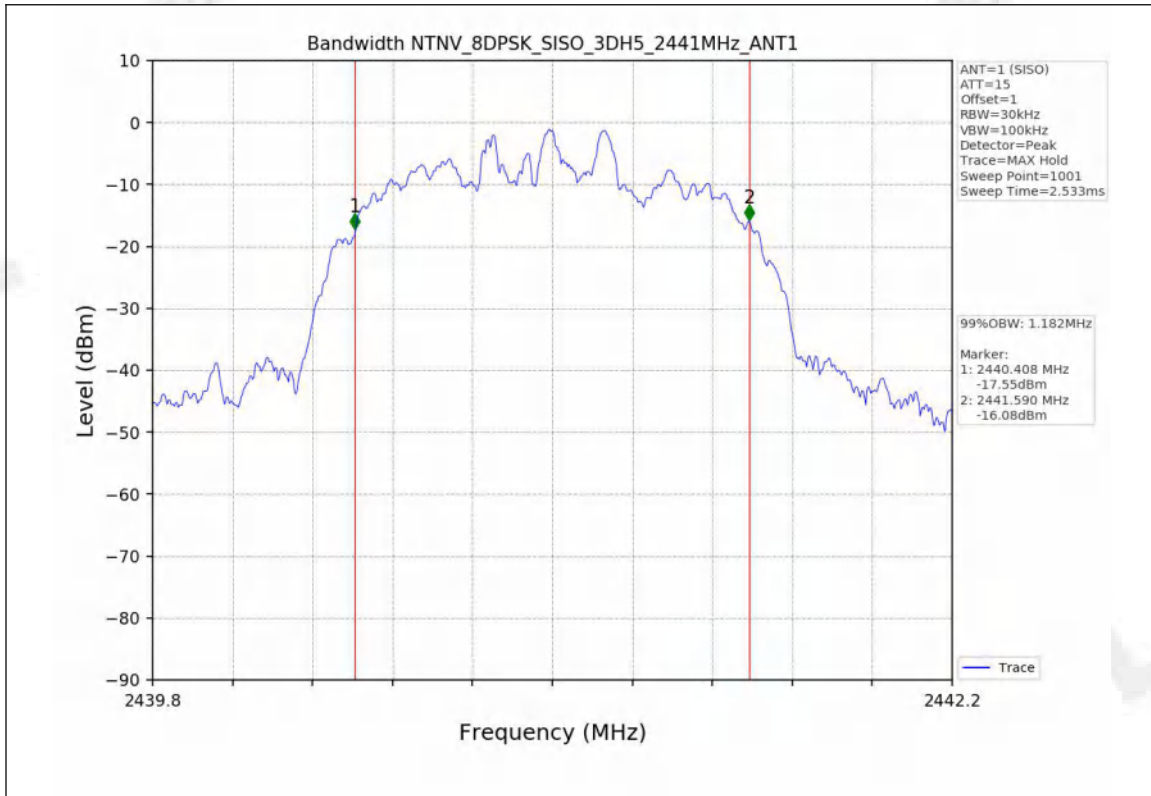
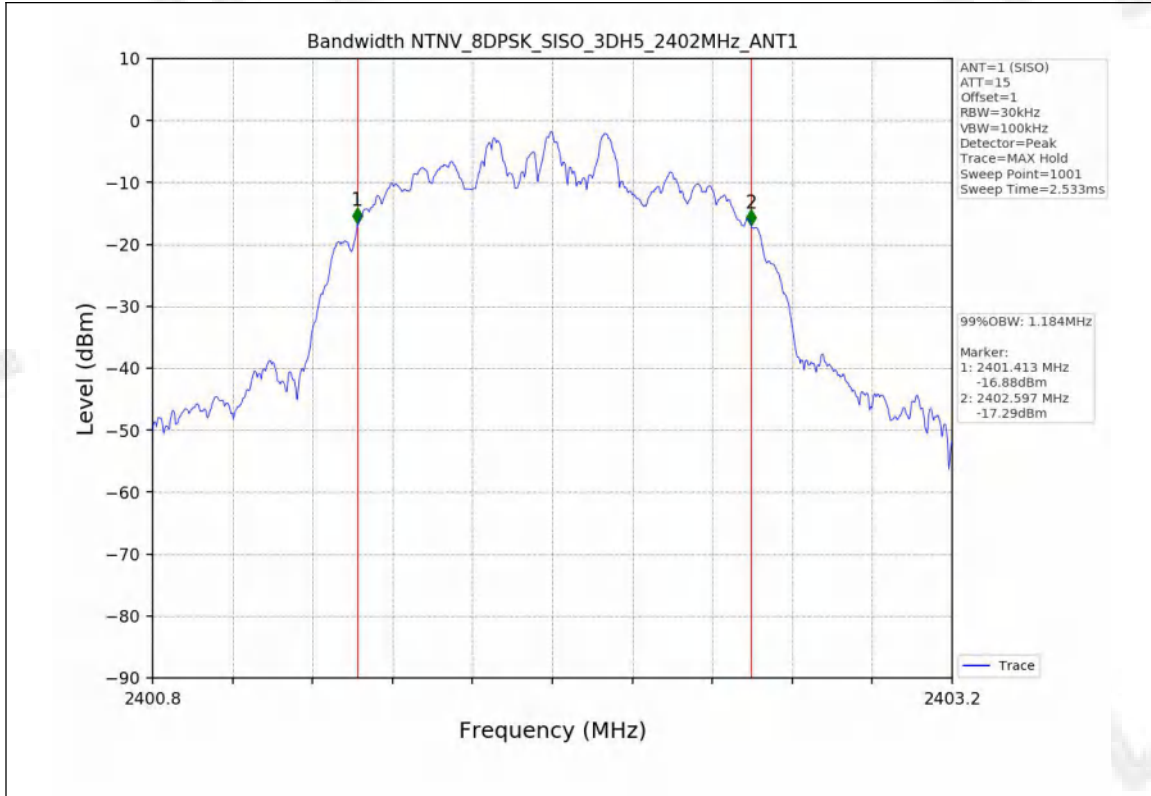
1.3 Test Graph - 99% Occupied Bandwidth

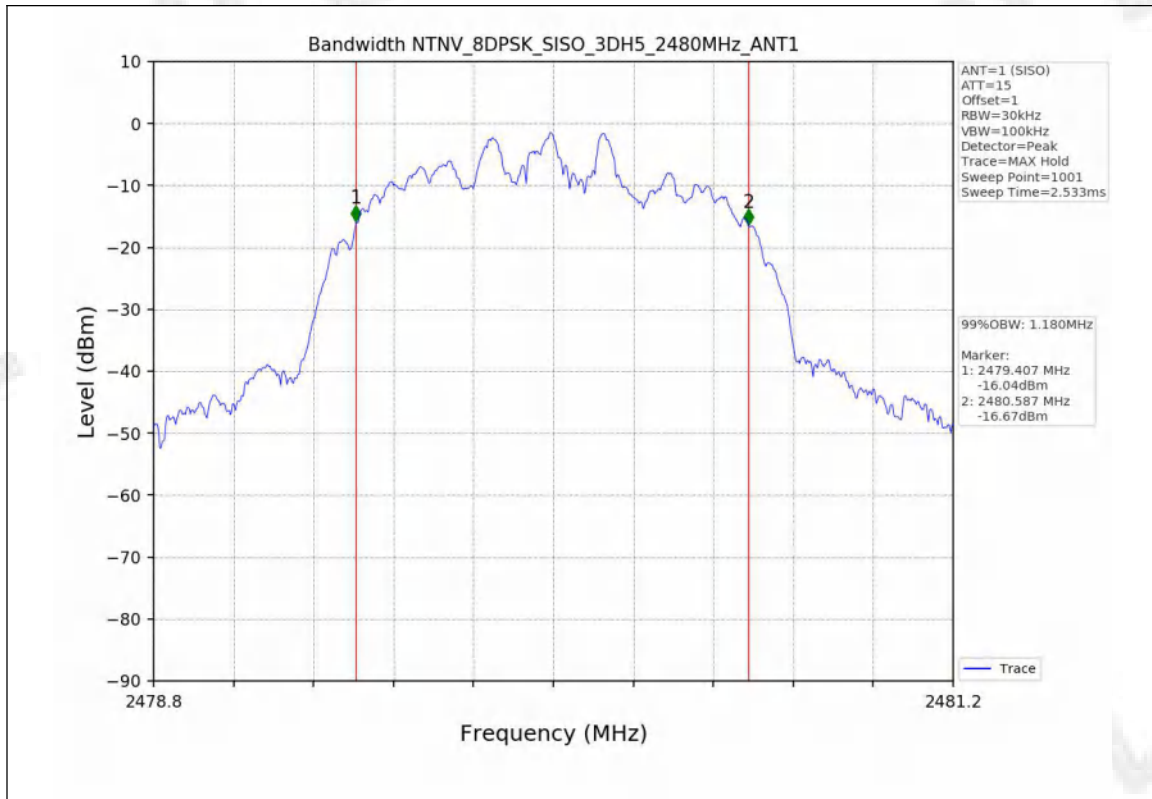










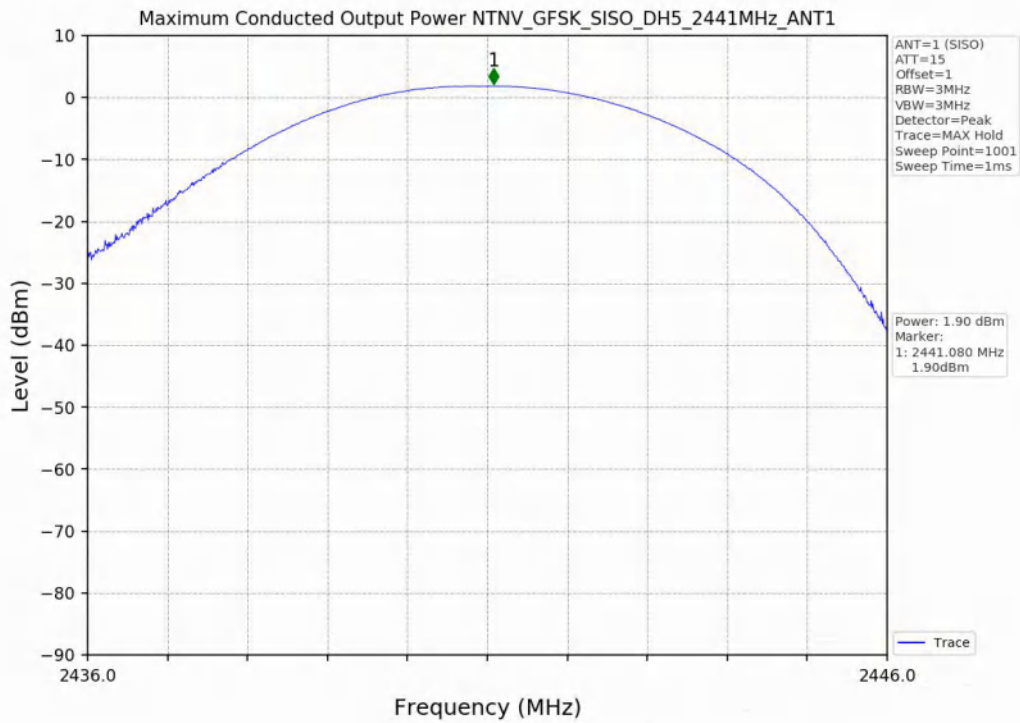
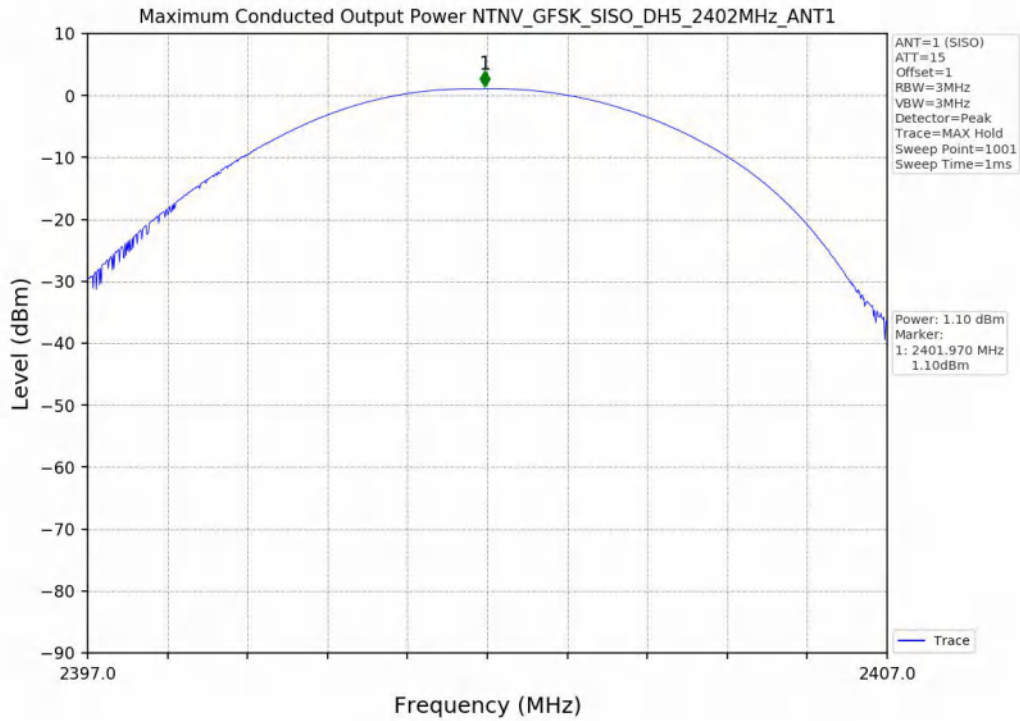


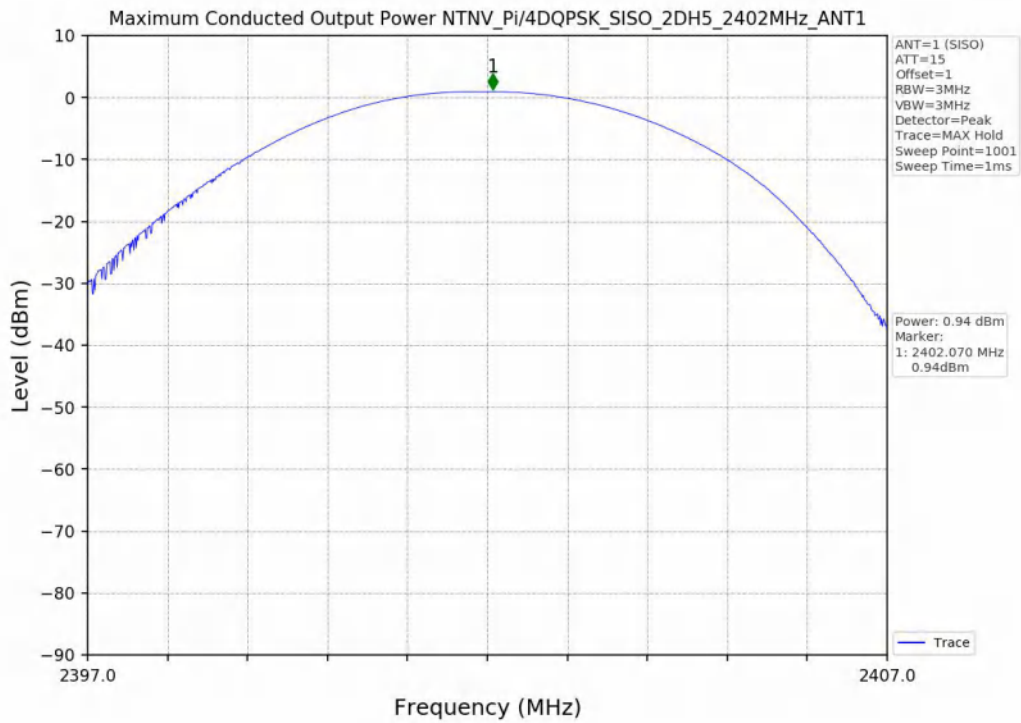
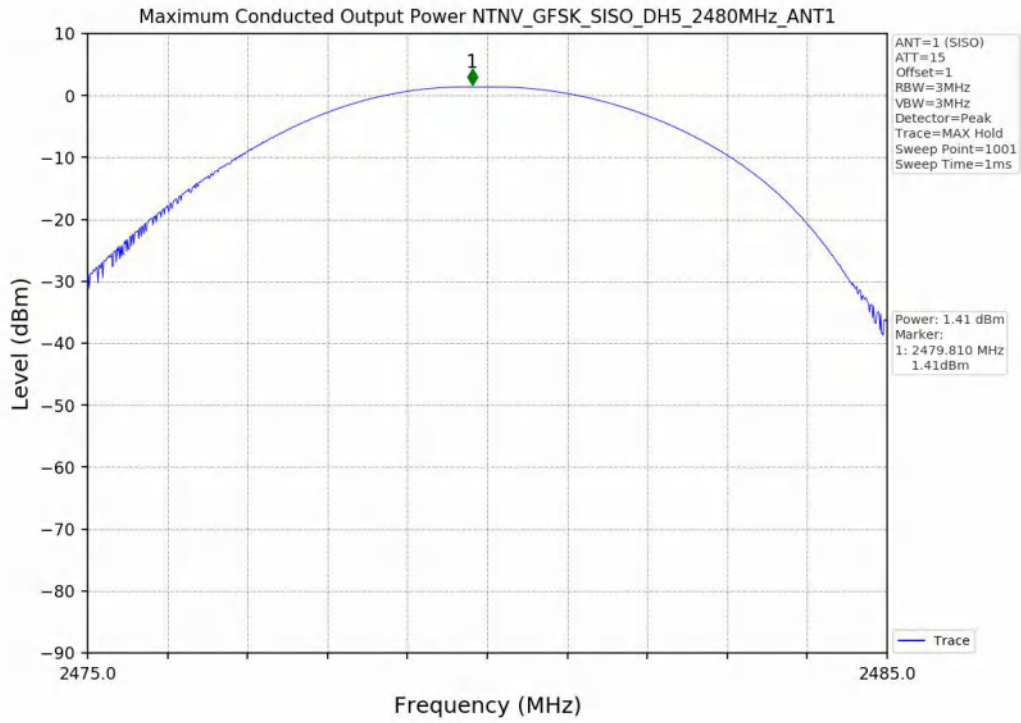
2. Maximum Conducted Output Power

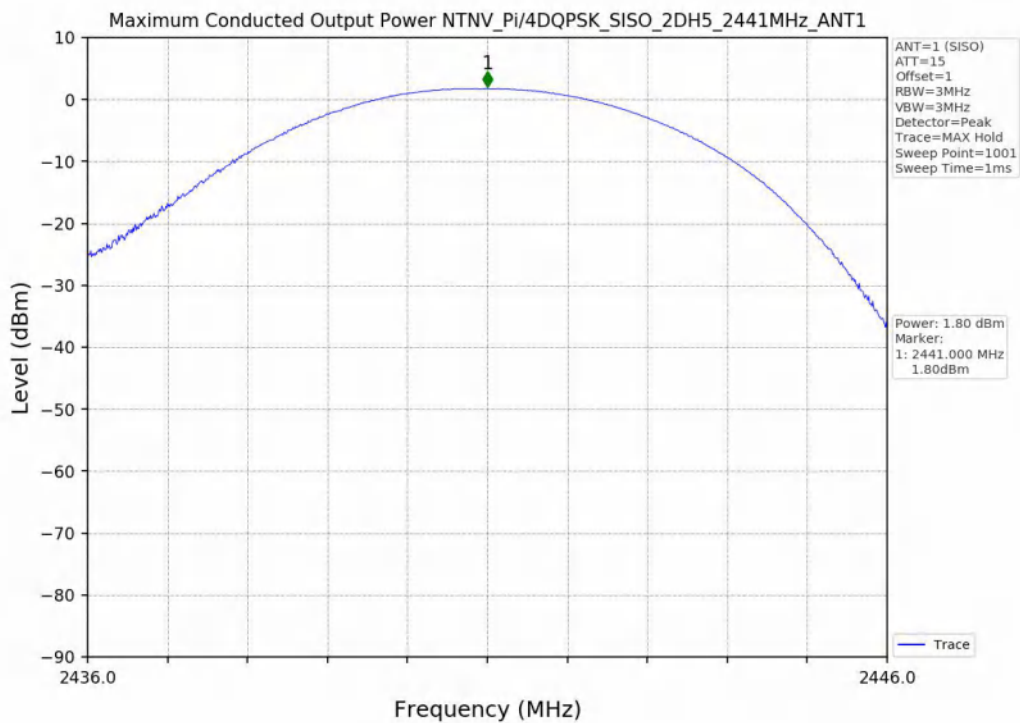
2.1 Test Result

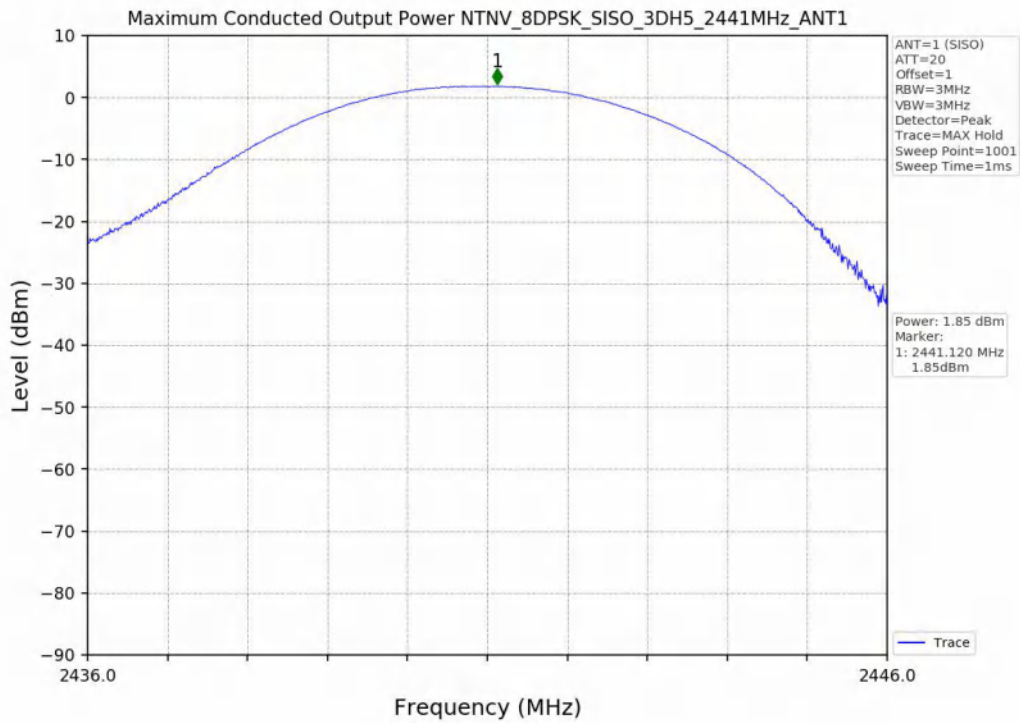
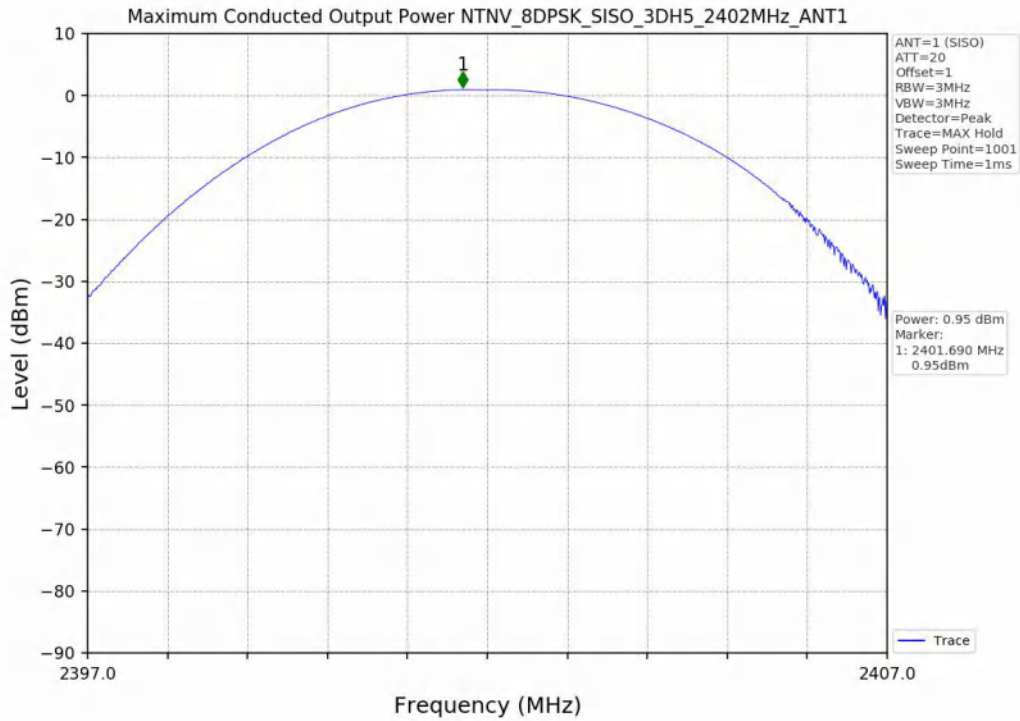
Test Mode	Frequency (MHz)	Tx Type	Measured Peak Output Power (dBm)	Limits (dBm)	Verdict
			Ant 1		
GFSK	2402	SISO	1.10	30	PASS
	2441	SISO	1.90	30	PASS
	2480	SISO	1.41	30	PASS
Pi/4DQPSK	2402	SISO	0.94	20.97	PASS
	2441	SISO	1.80	20.97	PASS
	2480	SISO	1.36	20.97	PASS
8DPSK	2402	SISO	0.95	20.97	PASS
	2441	SISO	1.85	20.97	PASS
	2480	SISO	1.39	20.97	PASS

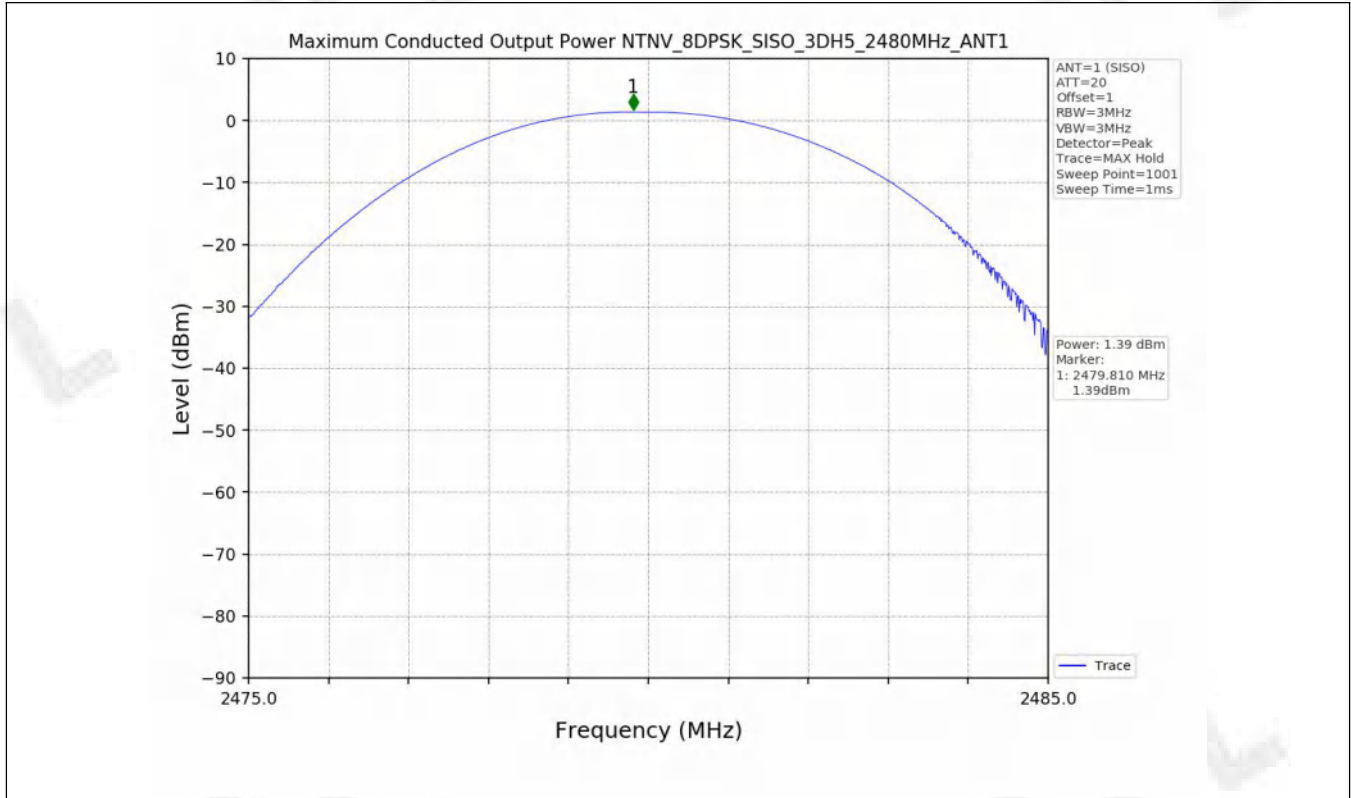
2.2 Test Graph









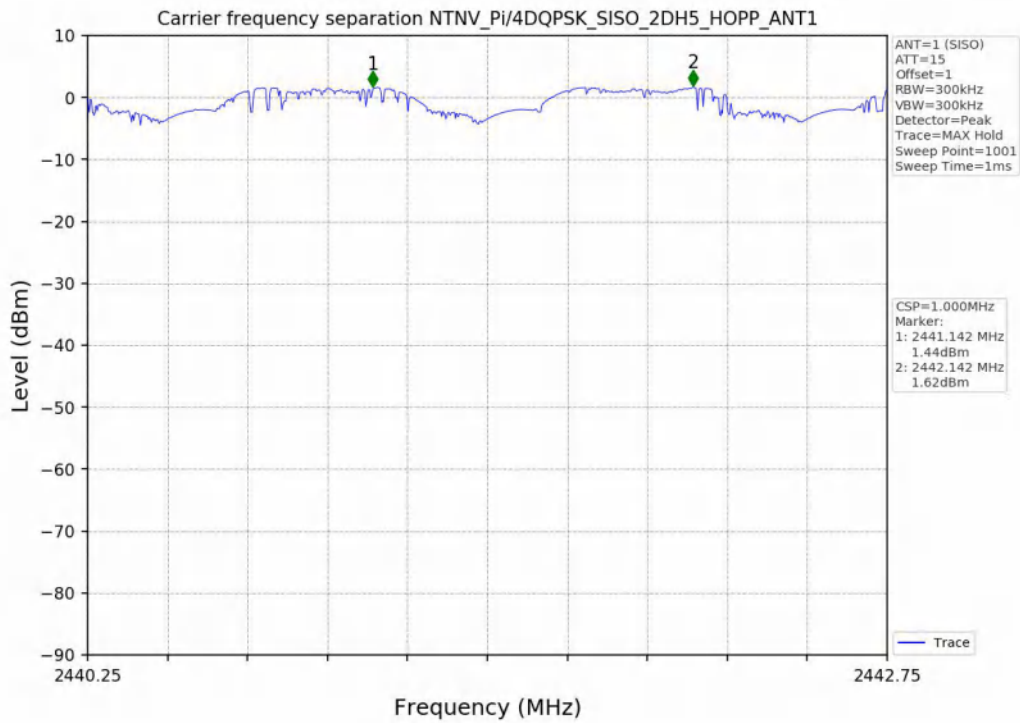
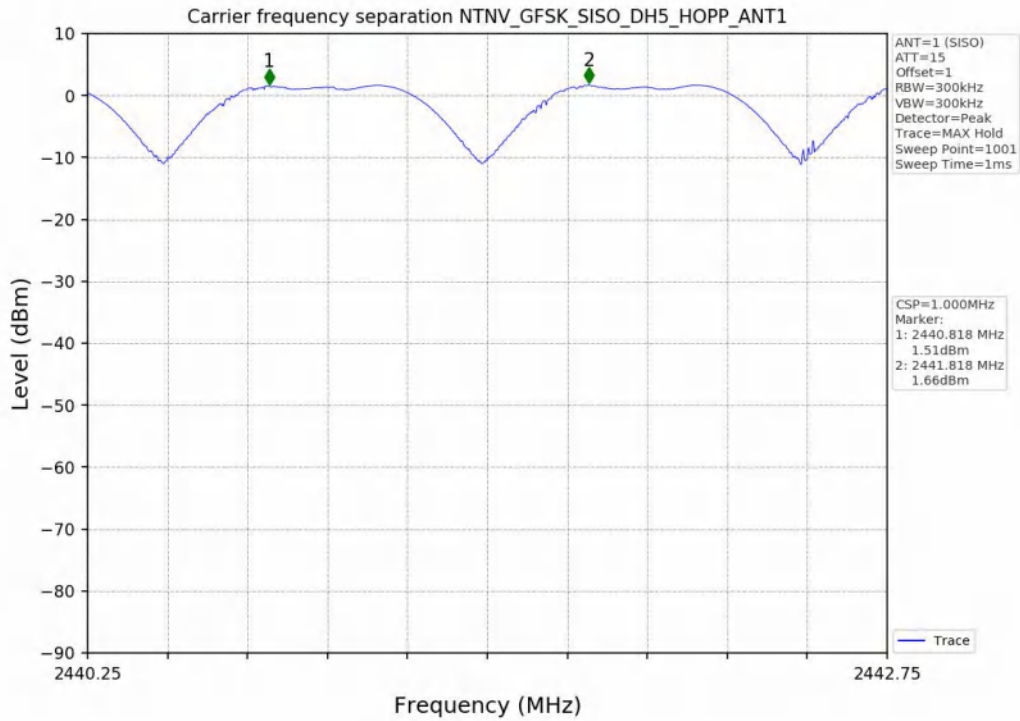


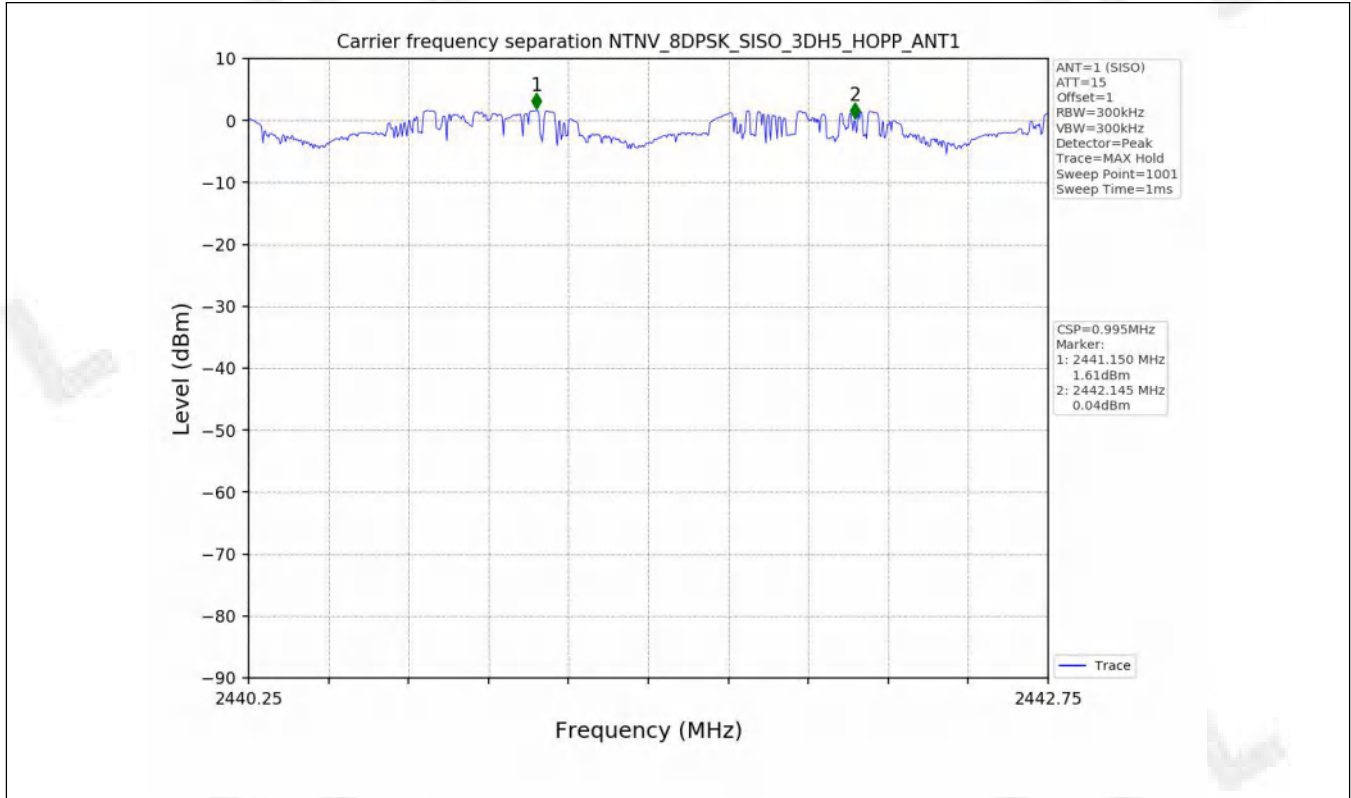
3. Carrier frequency separation

3.1 Test Result

Test Mode	TX Type	ANT No.	Channel Separation (MHz)	20dB Bandwidth (MHz)	Limits (MHz)	Verdict
GFSK	SISO	1	1.000	0.983	≥ 0.983	PASS
Pi/4DQPSK	SISO	1	1.000	1.308	≥ 0.872	PASS
8DPSK	SISO	1	0.995	1.297	≥ 0.865	PASS

3.2 Test Graph



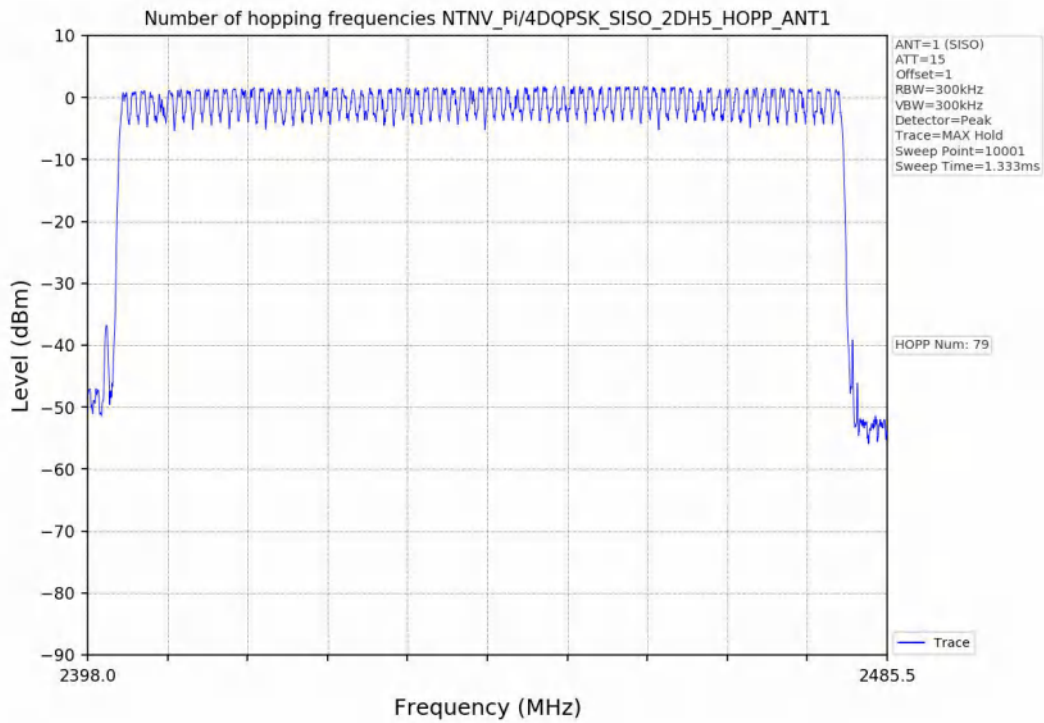
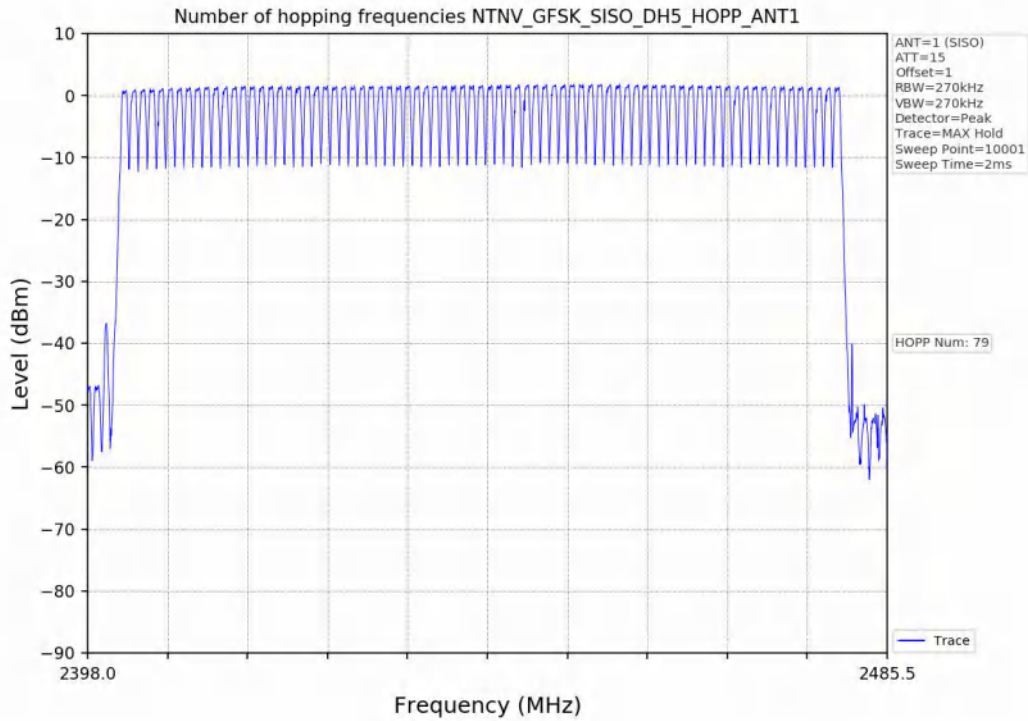


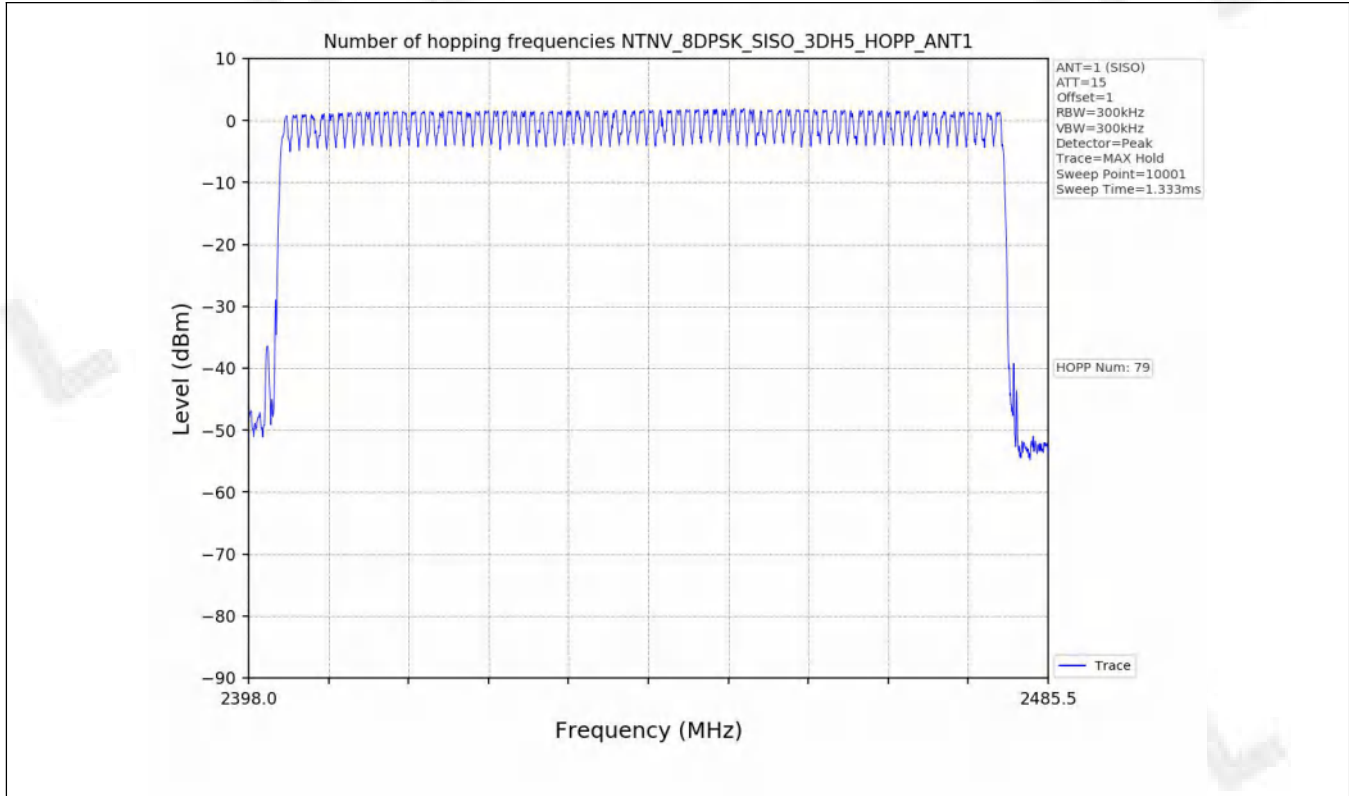
4. Number of hopping frequencies

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



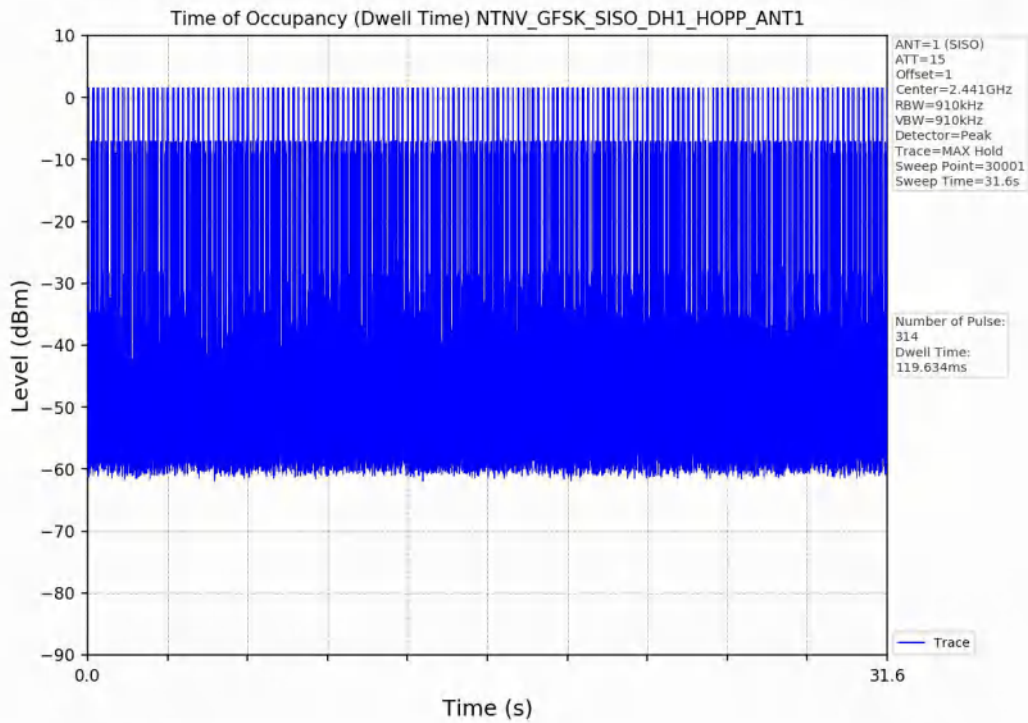
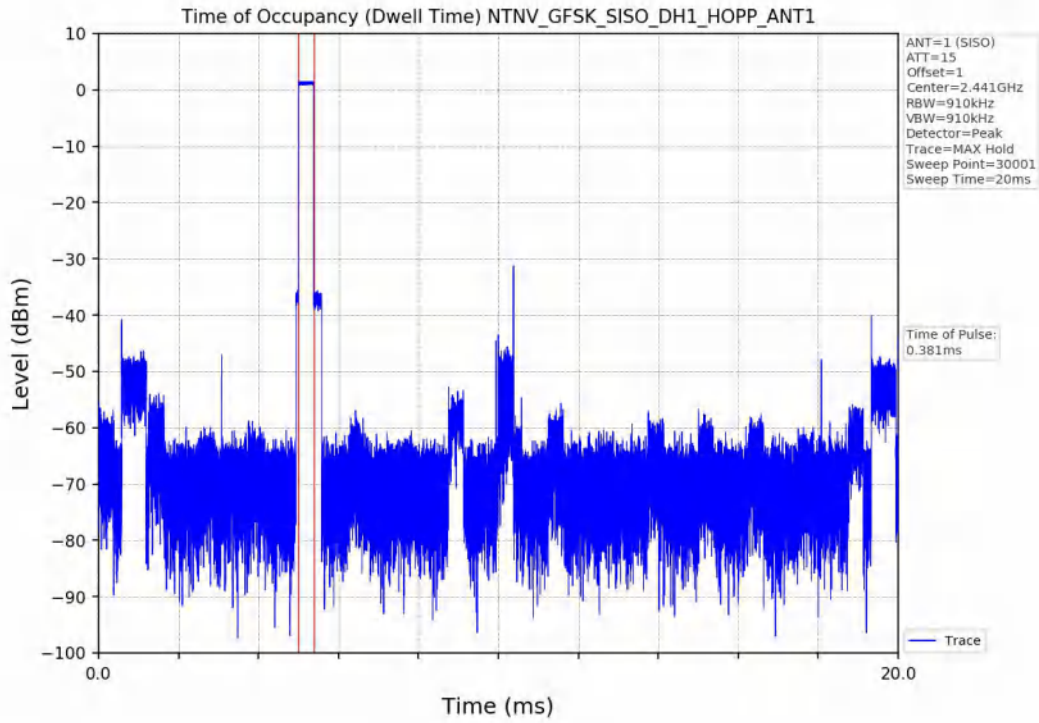


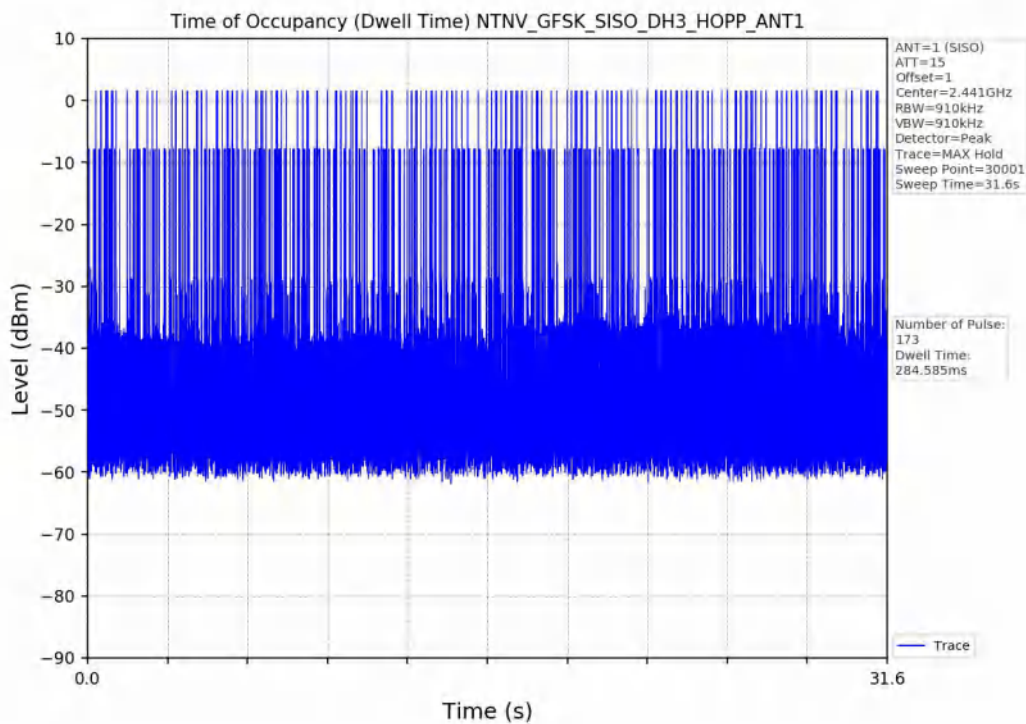
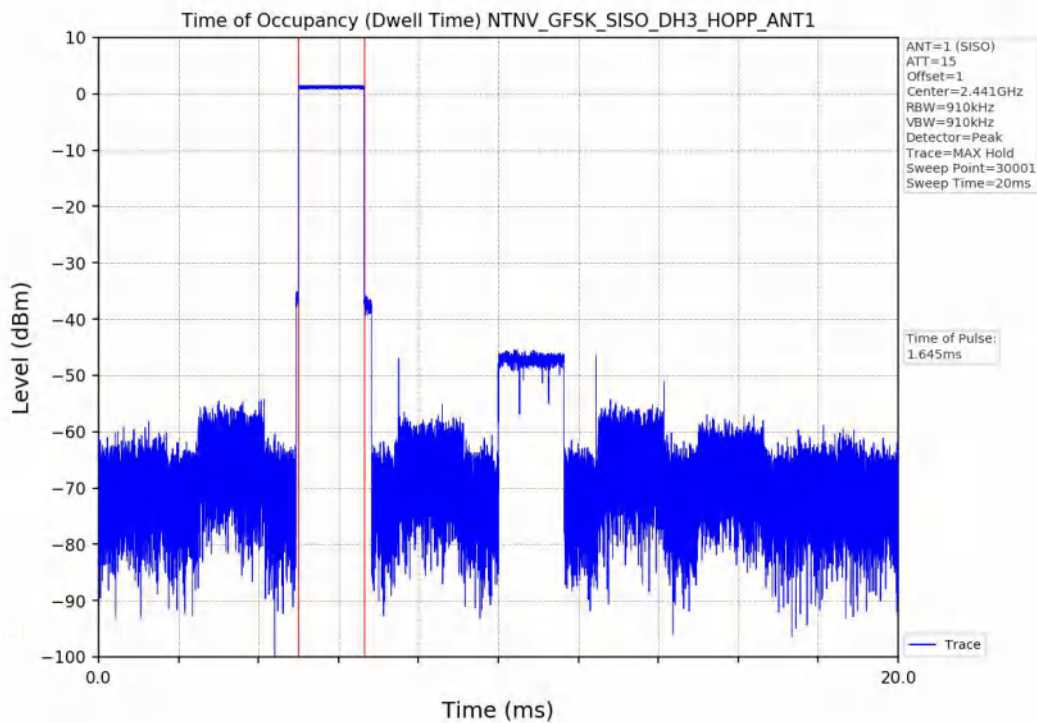
5. Time of Occupancy (Dwell Time)

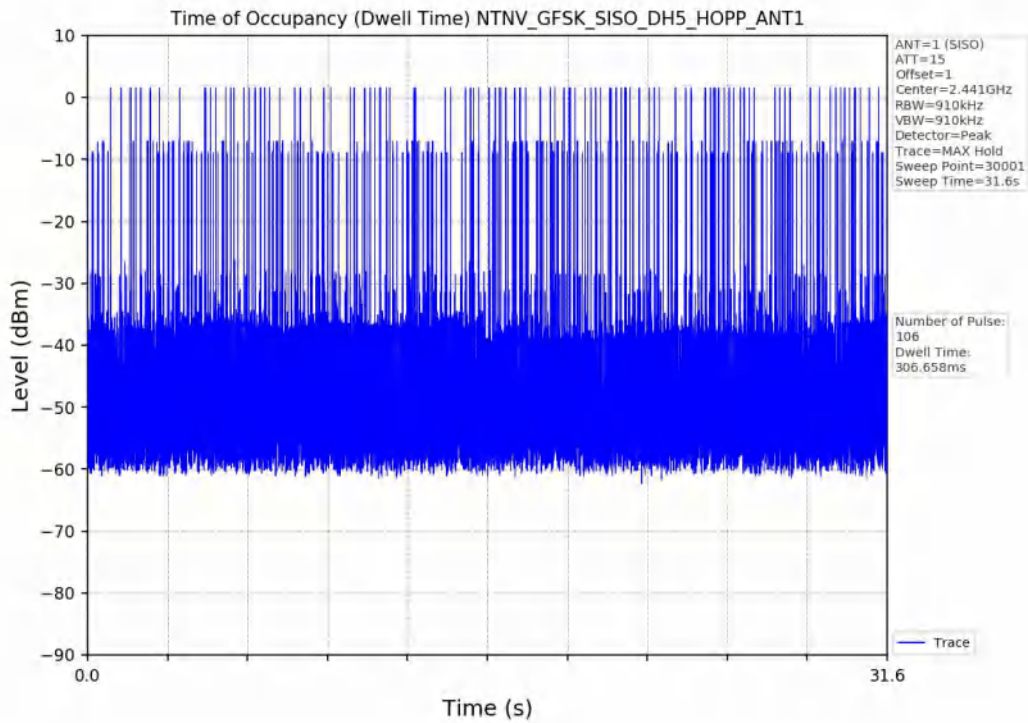
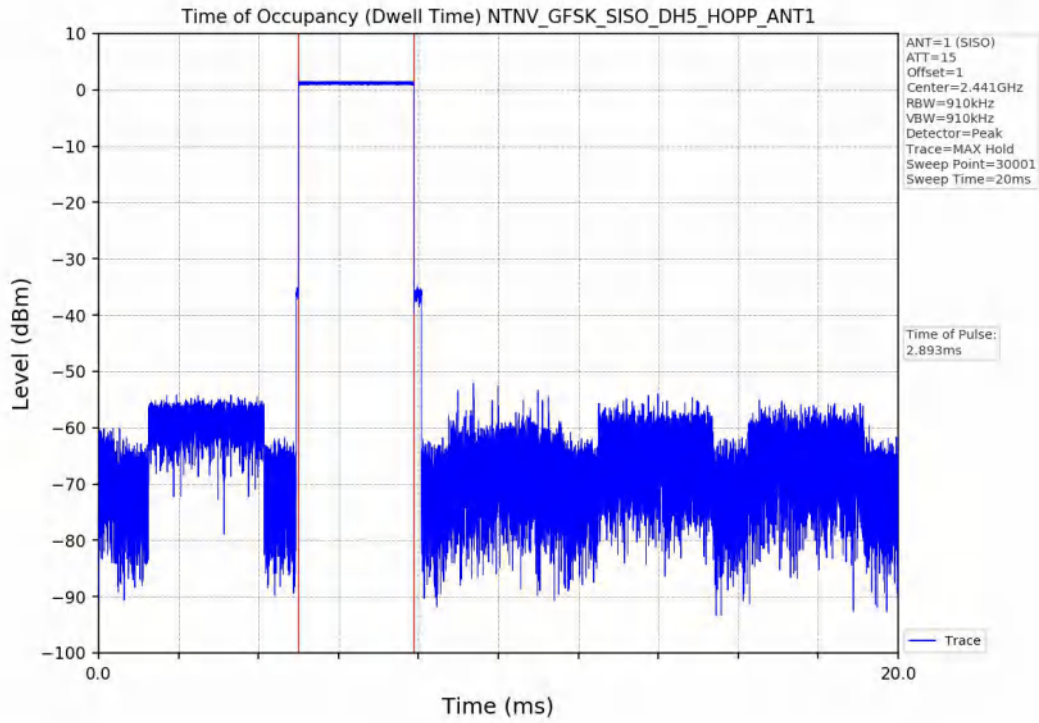
5.1 Test Result

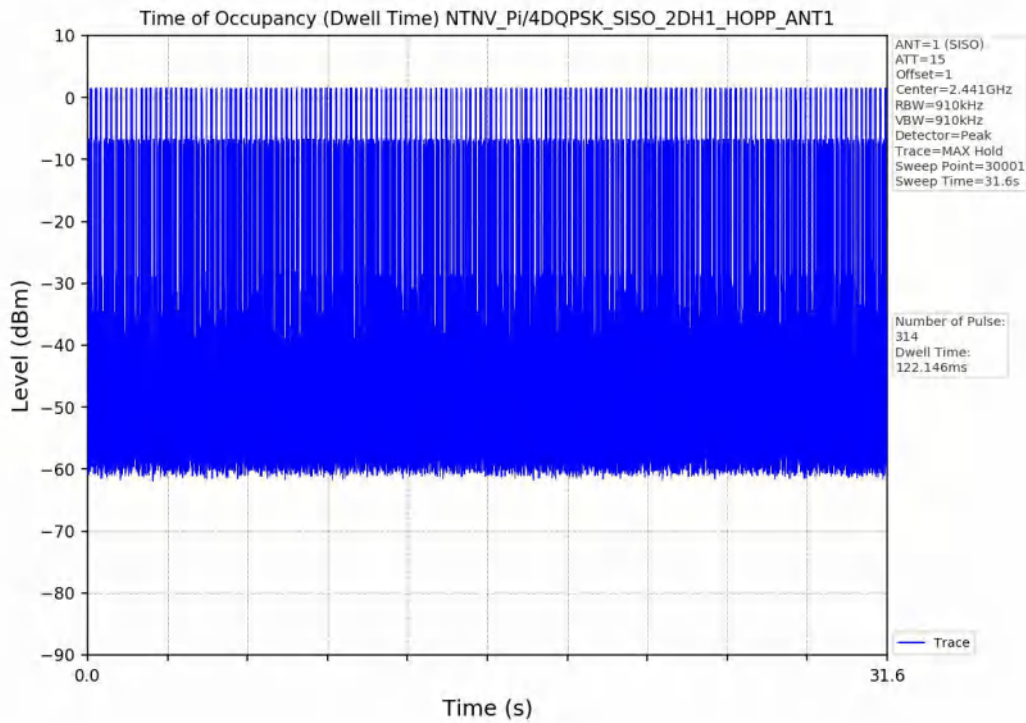
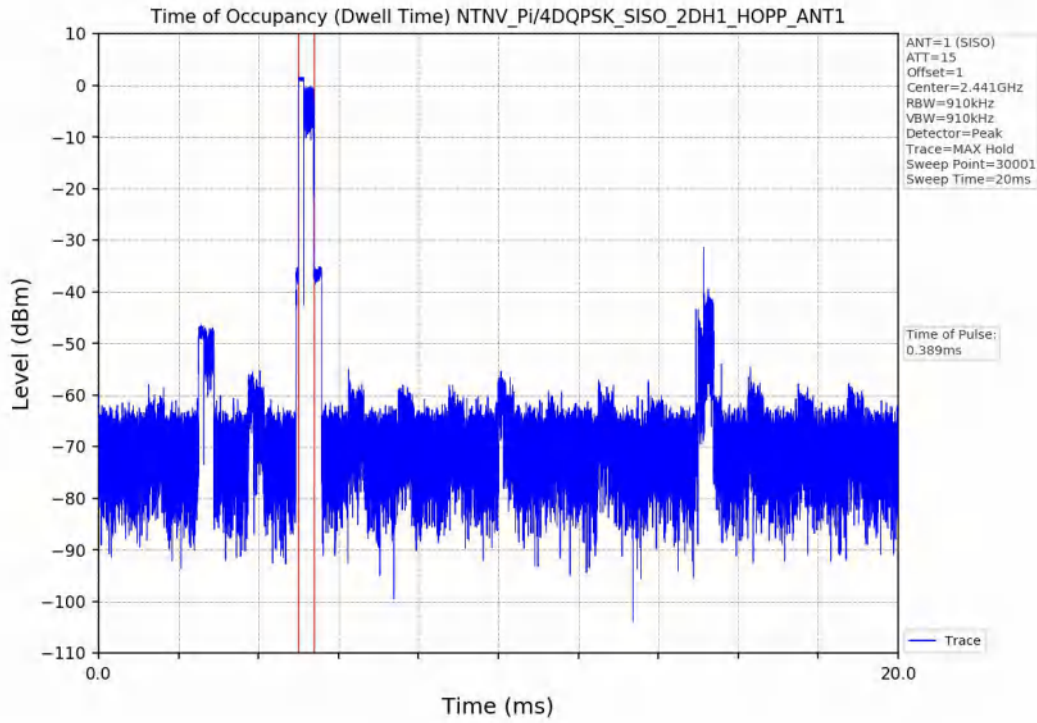
Test Mode	Packet Type	TX Type	ANT No.	Duration of Single Pulse (ms)	Observation Period (s)	Num of Pulse in Observation Period	Dwell Time (ms)	Limits (ms)	Verdict
GFSK	DH1	SISO	1	0.381	31.6	314	119.634	≤400	PASS
	DH3	SISO	1	1.645	31.6	173	284.585	≤400	PASS
	DH5	SISO	1	2.893	31.6	106	306.658	≤400	PASS
Pi/4DQPSK	2DH1	SISO	1	0.389	31.6	314	122.146	≤400	PASS
	2DH3	SISO	1	1.641	31.6	173	283.893	≤400	PASS
	2DH5	SISO	1	2.889	31.6	103	297.567	≤400	PASS
8DPSK	3DH1	SISO	1	0.390	31.6	313	122.070	≤400	PASS
	3DH3	SISO	1	1.639	31.6	172	281.908	≤400	PASS
	3DH5	SISO	1	2.889	31.6	136	392.904	≤400	PASS

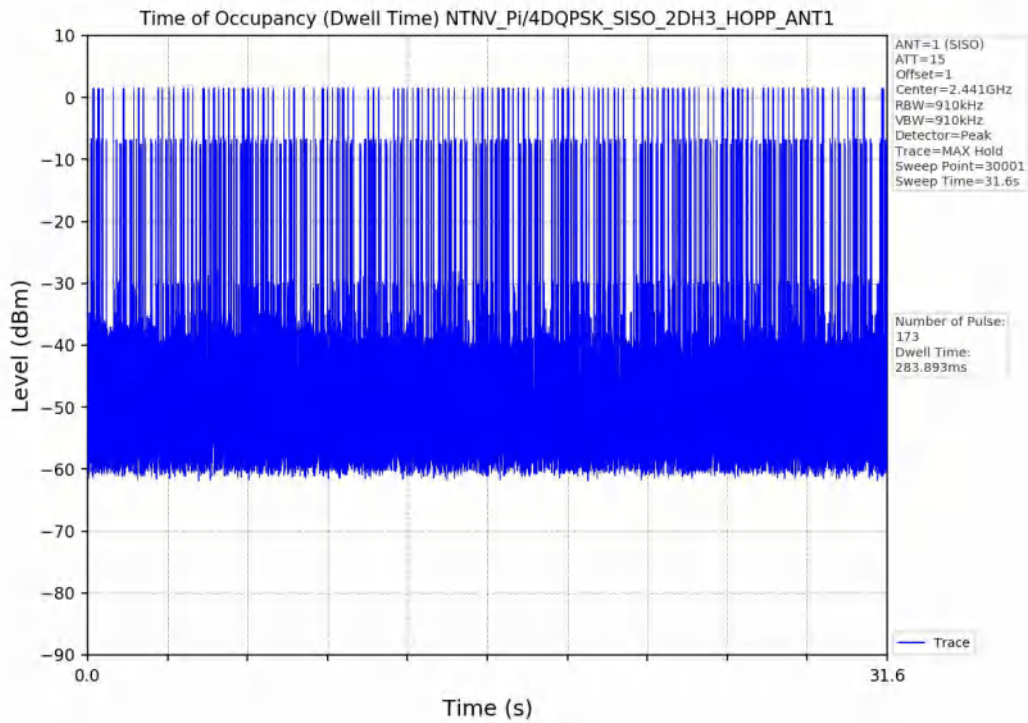
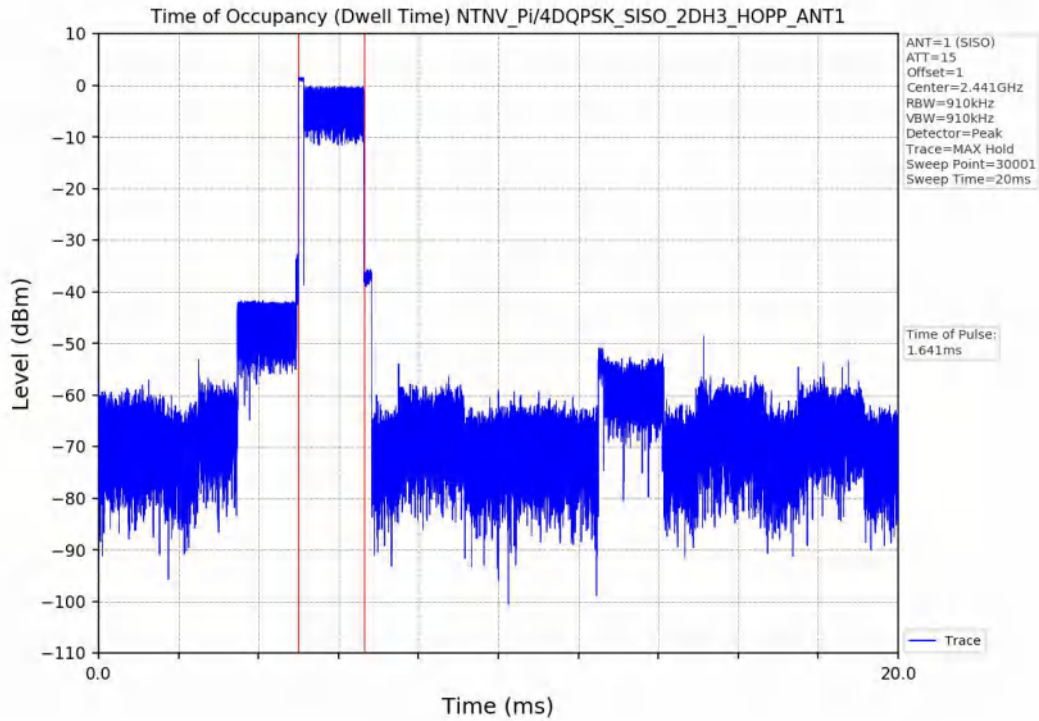
5.2 Test Graph

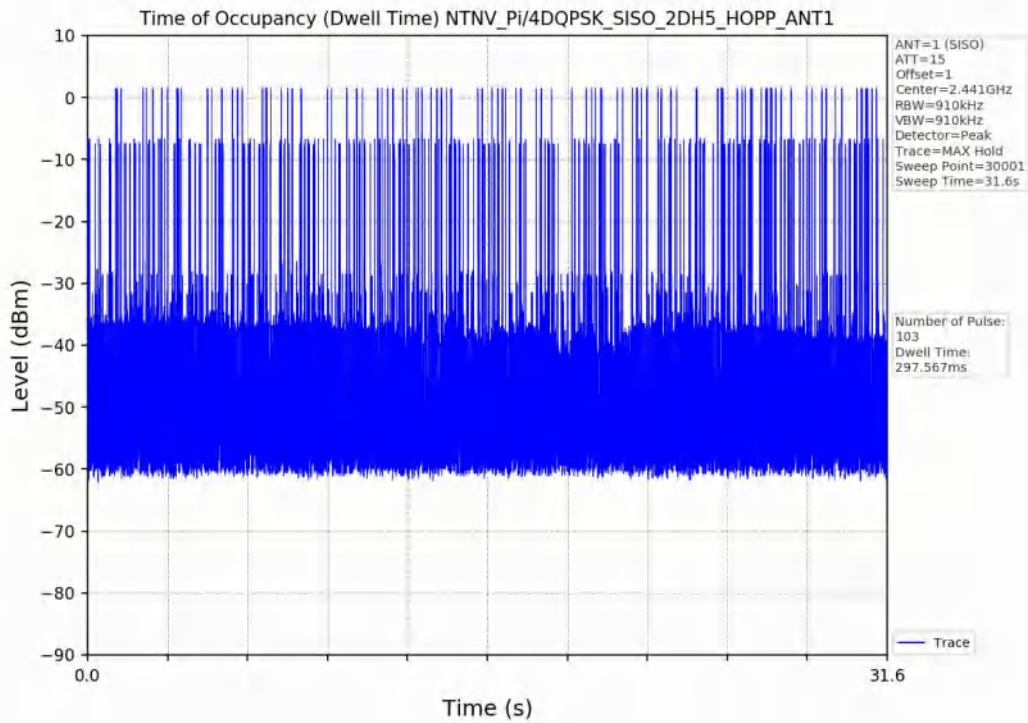
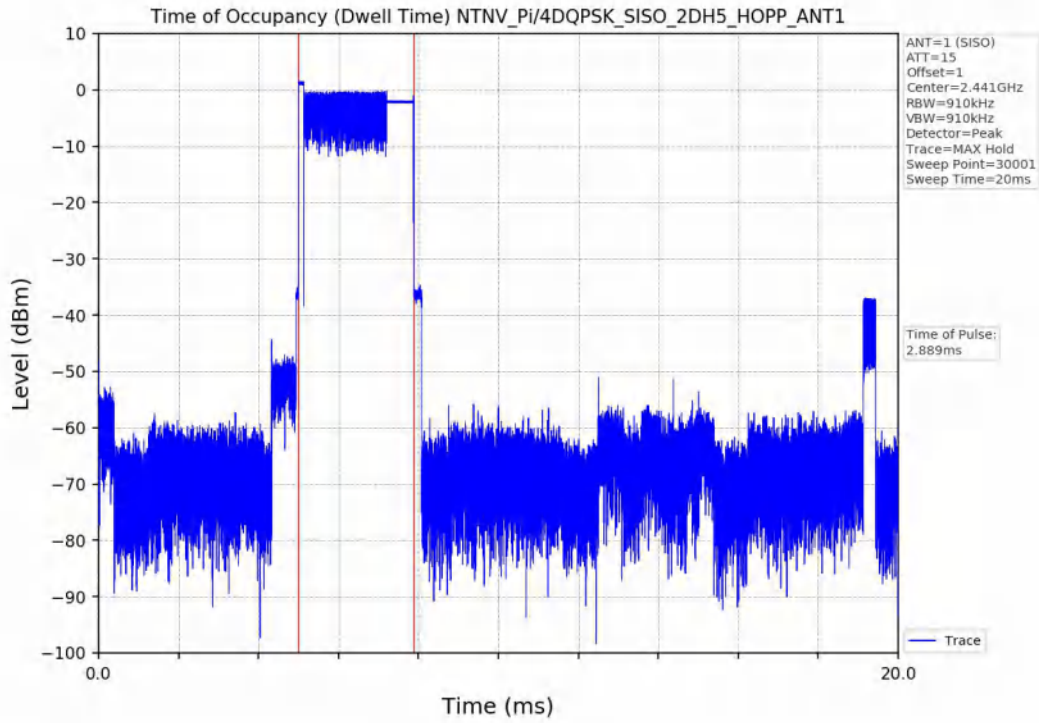


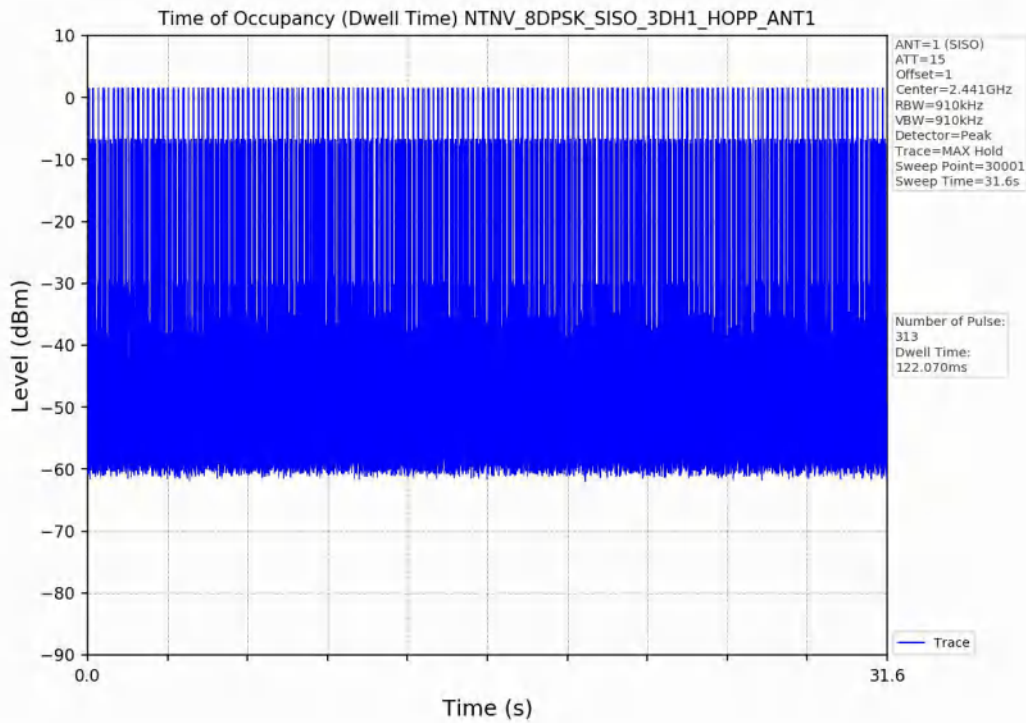
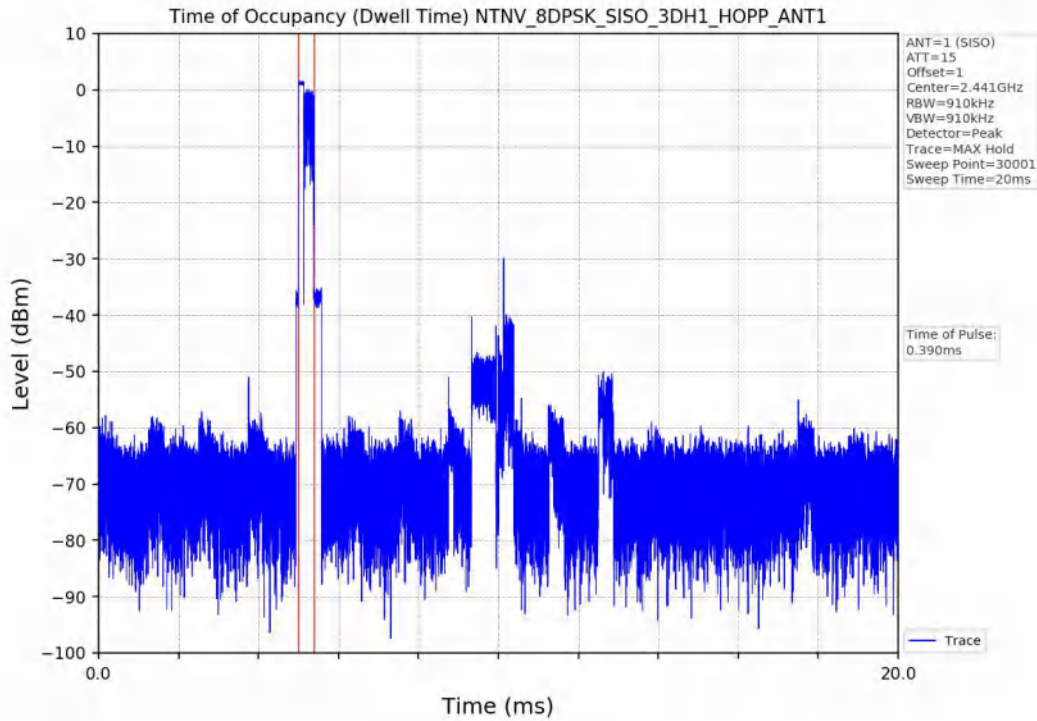


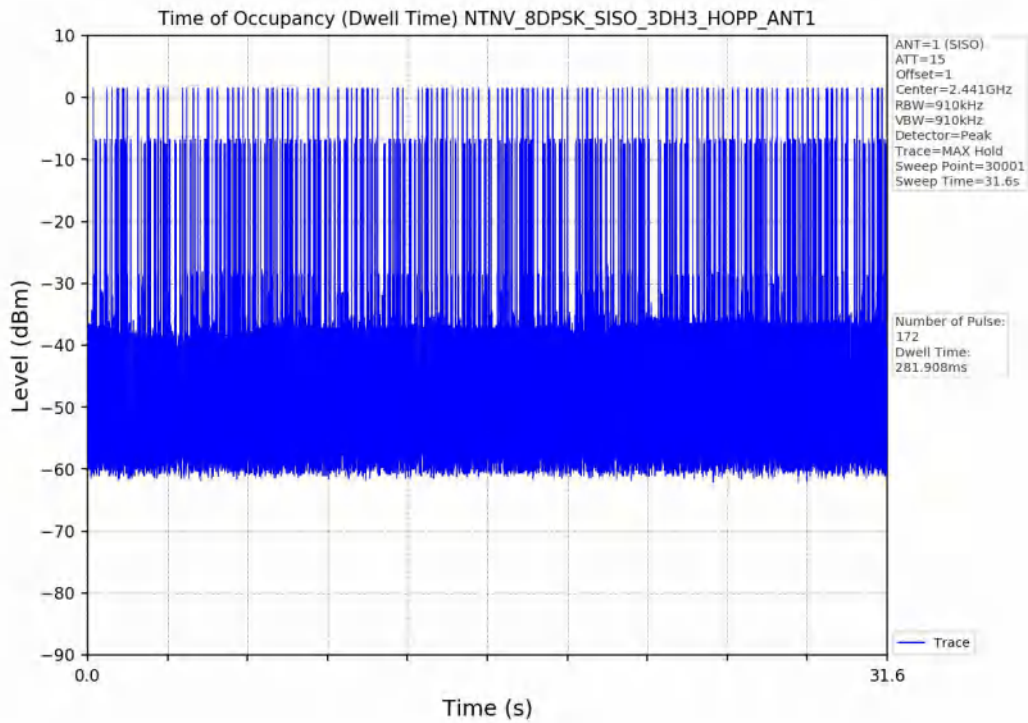
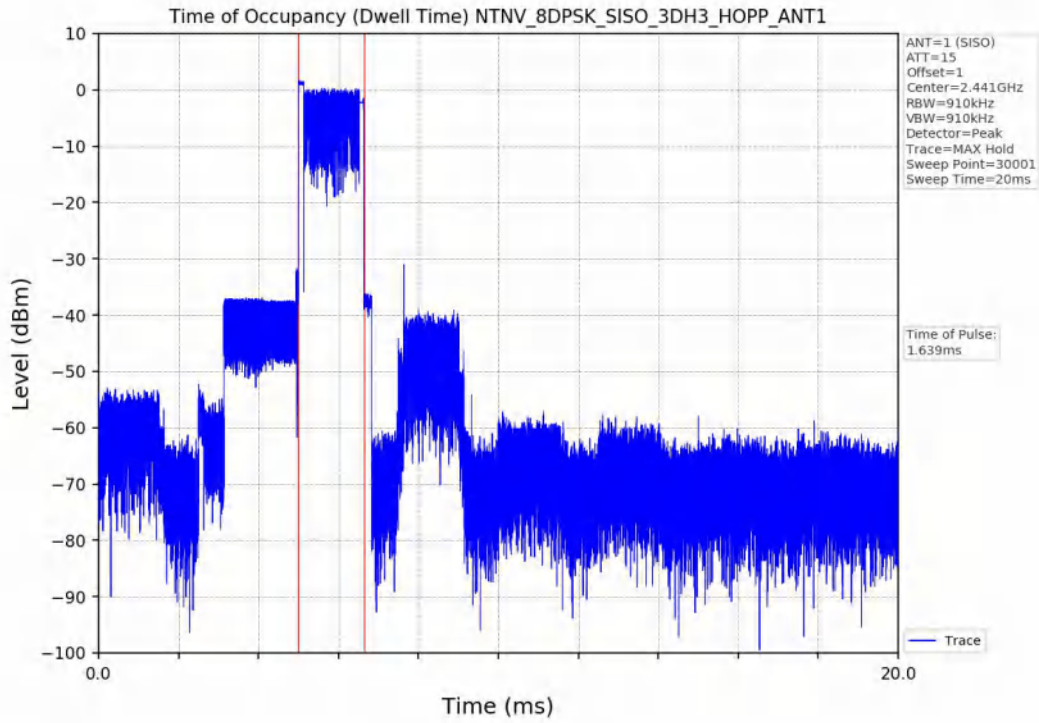


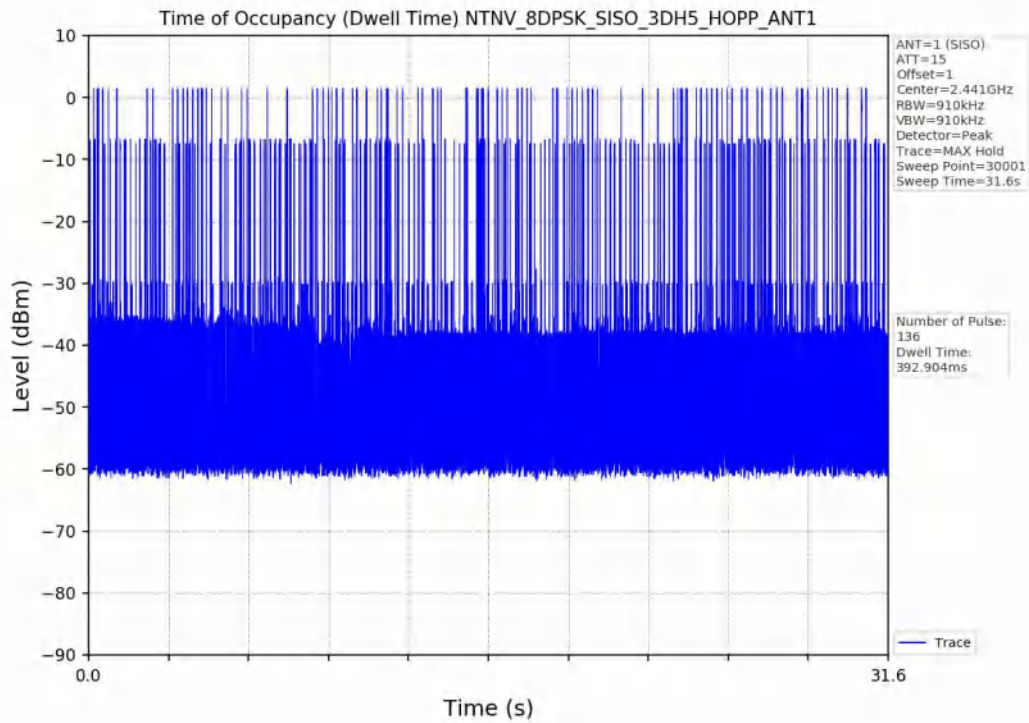
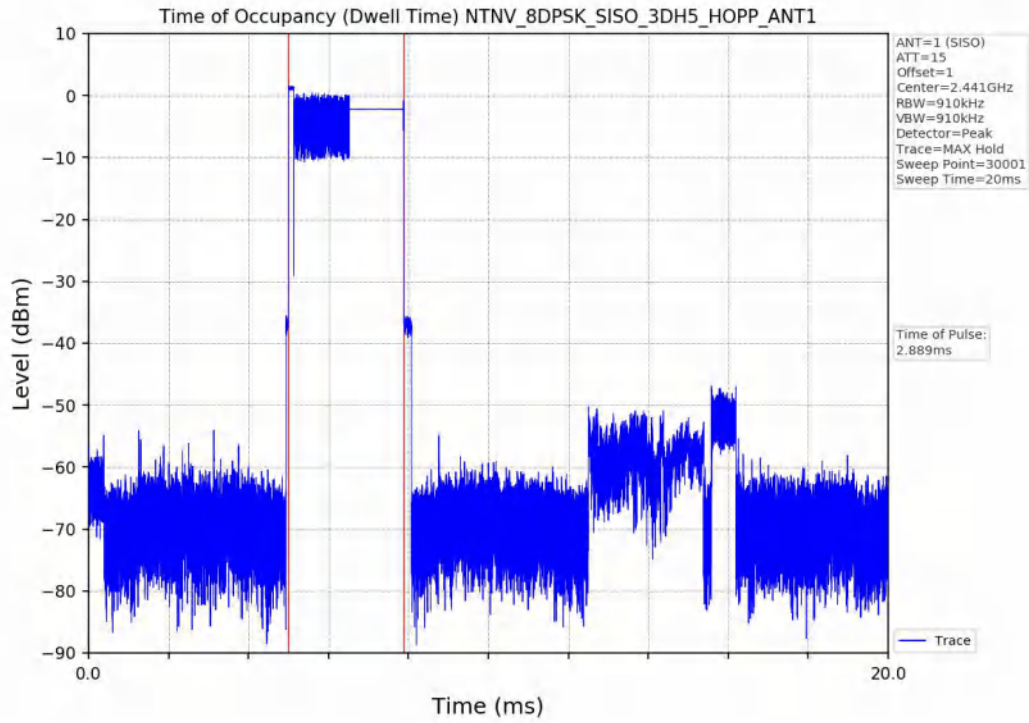












6. Unwanted Emissions in Non-restricted Frequency Bands

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	-18.51	PASS
	2441	SISO	1	Refer to test graph	-18.51	PASS
	2480	SISO	1	Refer to test graph	-18.51	PASS
	Hopping	SISO	1	Refer to test graph	-18.51	PASS
Pi/4DQPSK	2402	SISO	1	Refer to test graph	-18.53	PASS
	2441	SISO	1	Refer to test graph	-18.53	PASS
	2480	SISO	1	Refer to test graph	-18.53	PASS
	Hopping	SISO	1	Refer to test graph	-18.53	PASS
8DPSK	2402	SISO	1	Refer to test graph	-18.54	PASS
	2441	SISO	1	Refer to test graph	-18.54	PASS
	2480	SISO	1	Refer to test graph	-18.54	PASS
	Hopping	SISO	1	Refer to test graph	-18.54	PASS

6.2 Test Graph

