

Appendix for 15.247

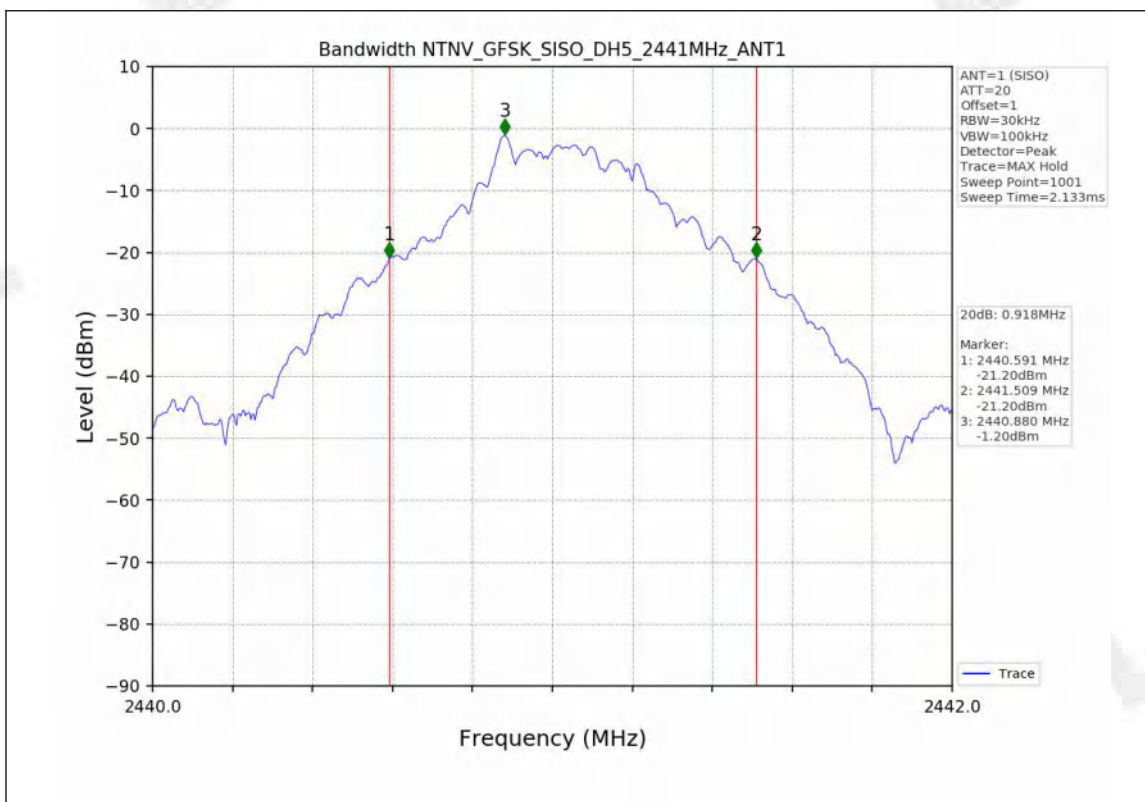
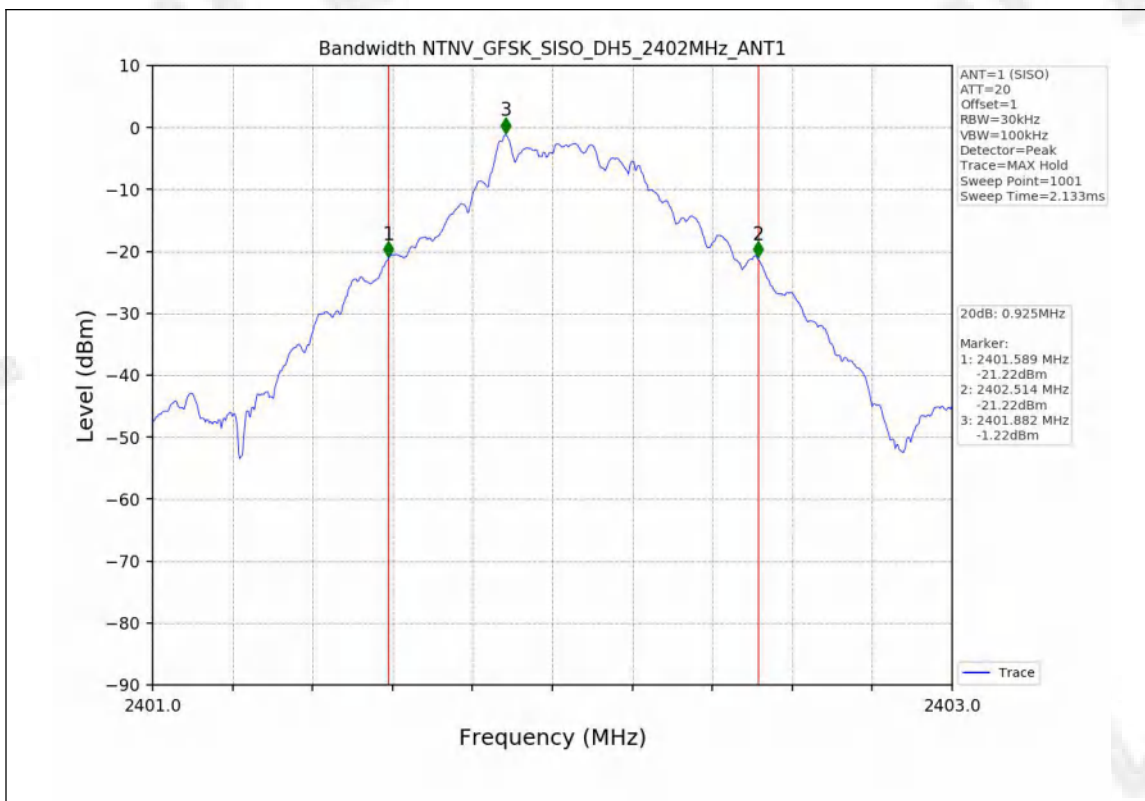
1. Bandwidth

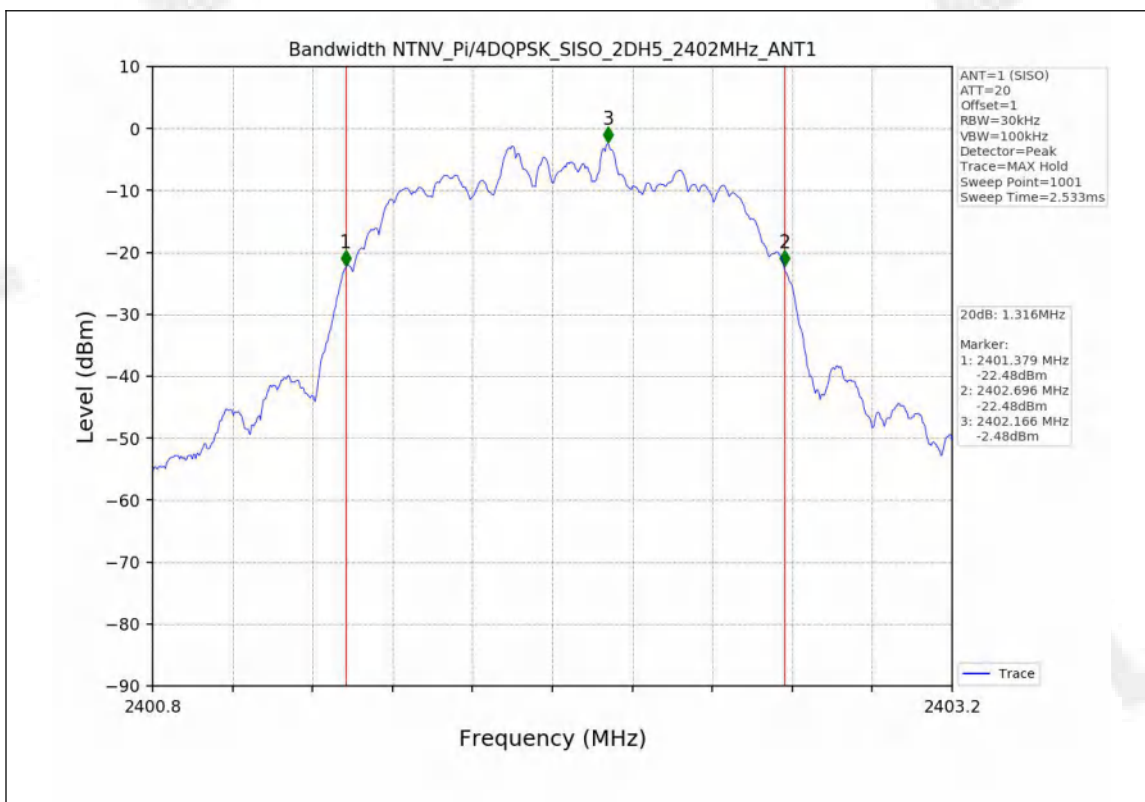
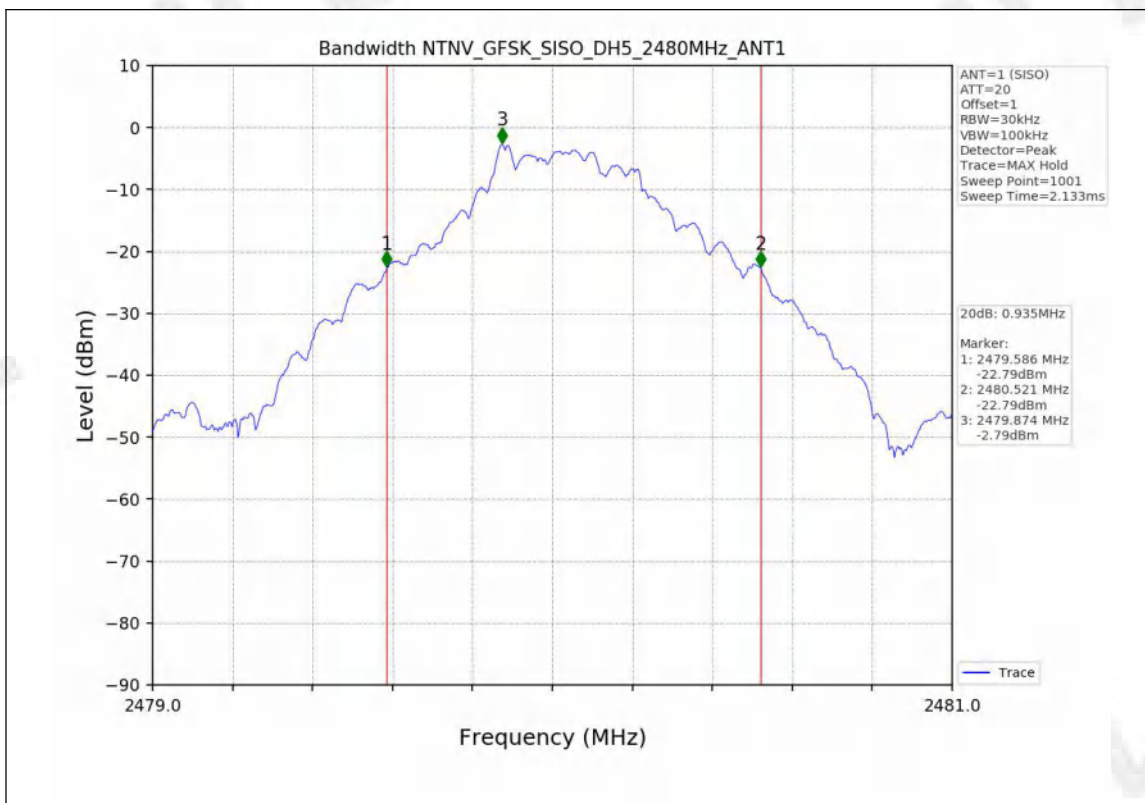
1.1 Test Result

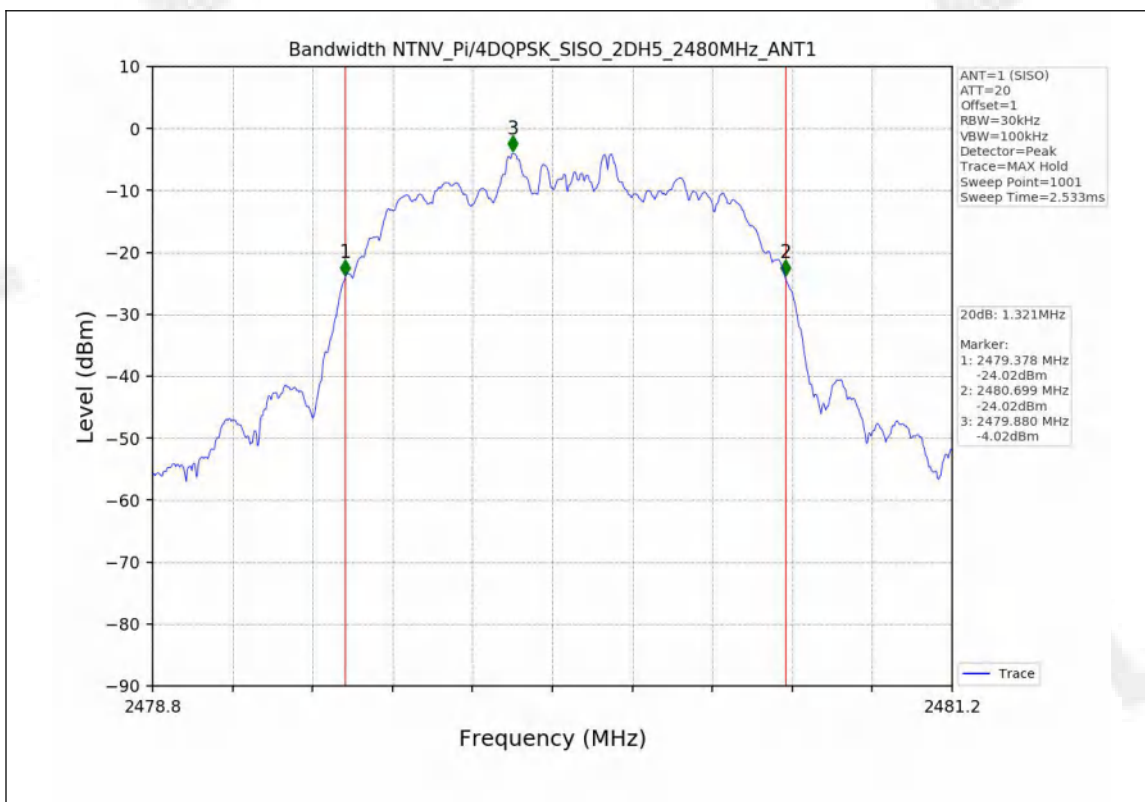
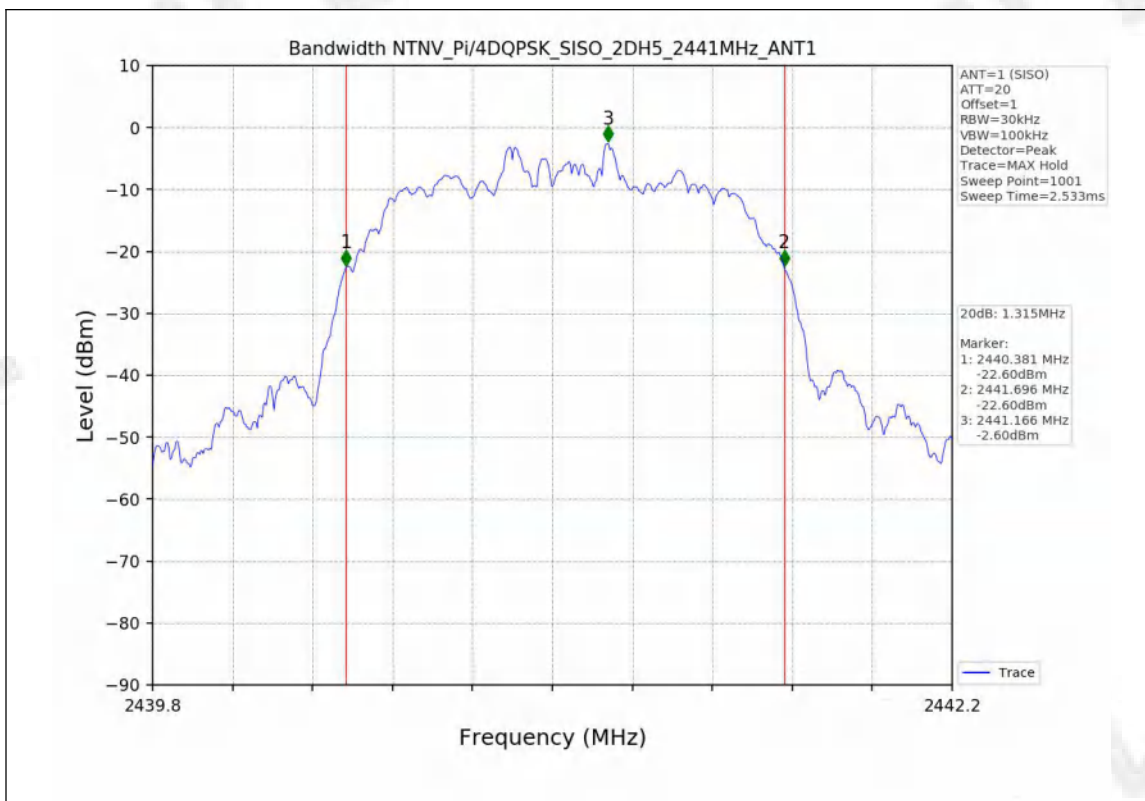
Test Mode	Frequency (MHz)	TX Type	ANT No.	20dB Bandwidth	Verdict
				Test Result (MHz)	
GFSK	2402	SISO	1	0.925	PASS
	2441	SISO	1	0.918	PASS
	2480	SISO	1	0.935	PASS
Pi/4DQPSK	2402	SISO	1	1.316	PASS
	2441	SISO	1	1.315	PASS
	2480	SISO	1	1.321	PASS
8DPSK	2402	SISO	1	1.297	PASS
	2441	SISO	1	1.309	PASS
	2480	SISO	1	1.300	PASS

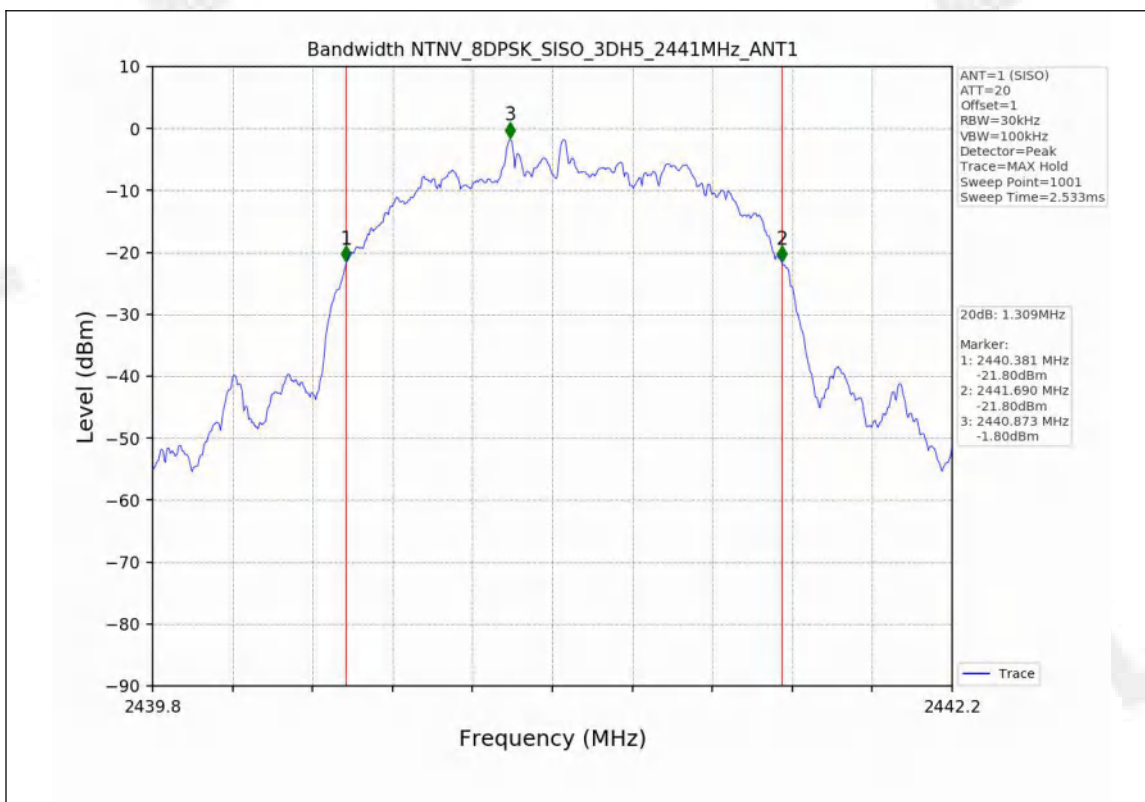
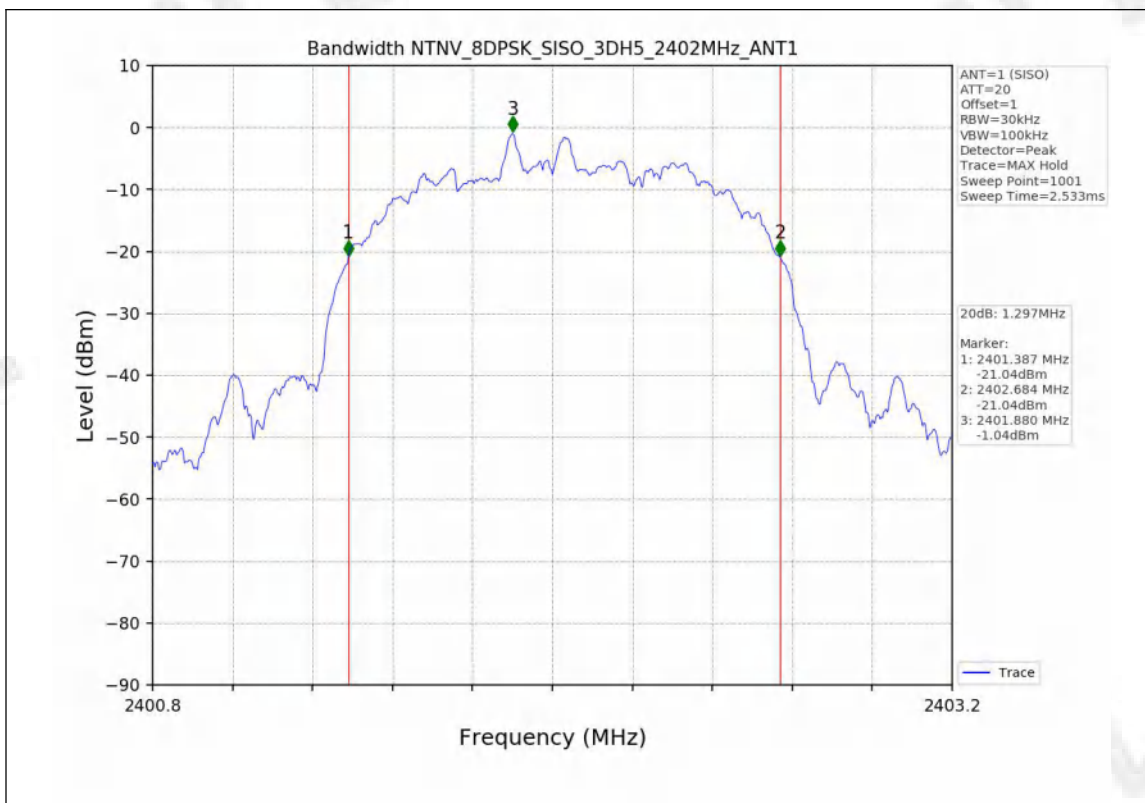
Test Mode	Frequency (MHz)	TX Type	ANT No.	99% Occupied Bandwidth	
				Test Result (MHz)	
GFSK	2402	SISO	1	0.816	Only for Report Use
	2441	SISO	1	0.816	Only for Report Use
	2480	SISO	1	0.819	Only for Report Use
Pi/4DQPSK	2402	SISO	1	1.173	Only for Report Use
	2441	SISO	1	1.172	Only for Report Use
	2480	SISO	1	1.171	Only for Report Use
8DPSK	2402	SISO	1	1.177	Only for Report Use
	2441	SISO	1	1.179	Only for Report Use
	2480	SISO	1	1.180	Only for Report Use

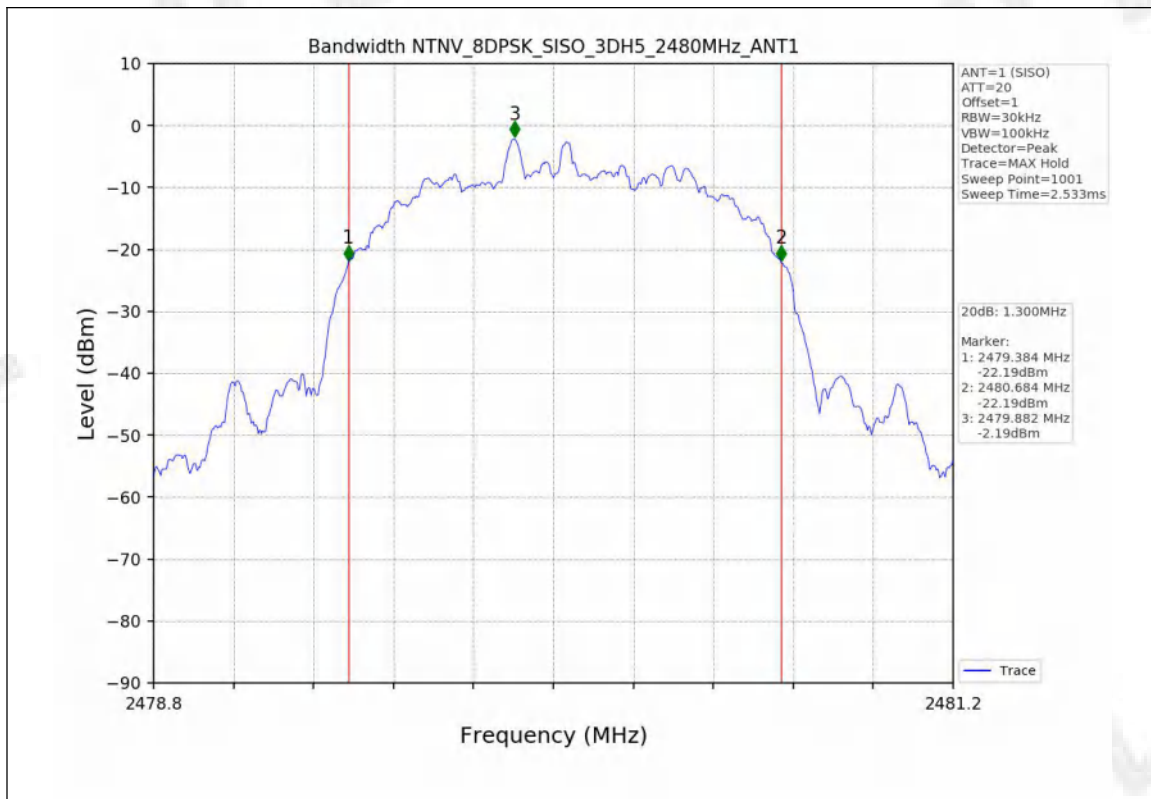
1.2 Test Graph - 20dB Bandwidth



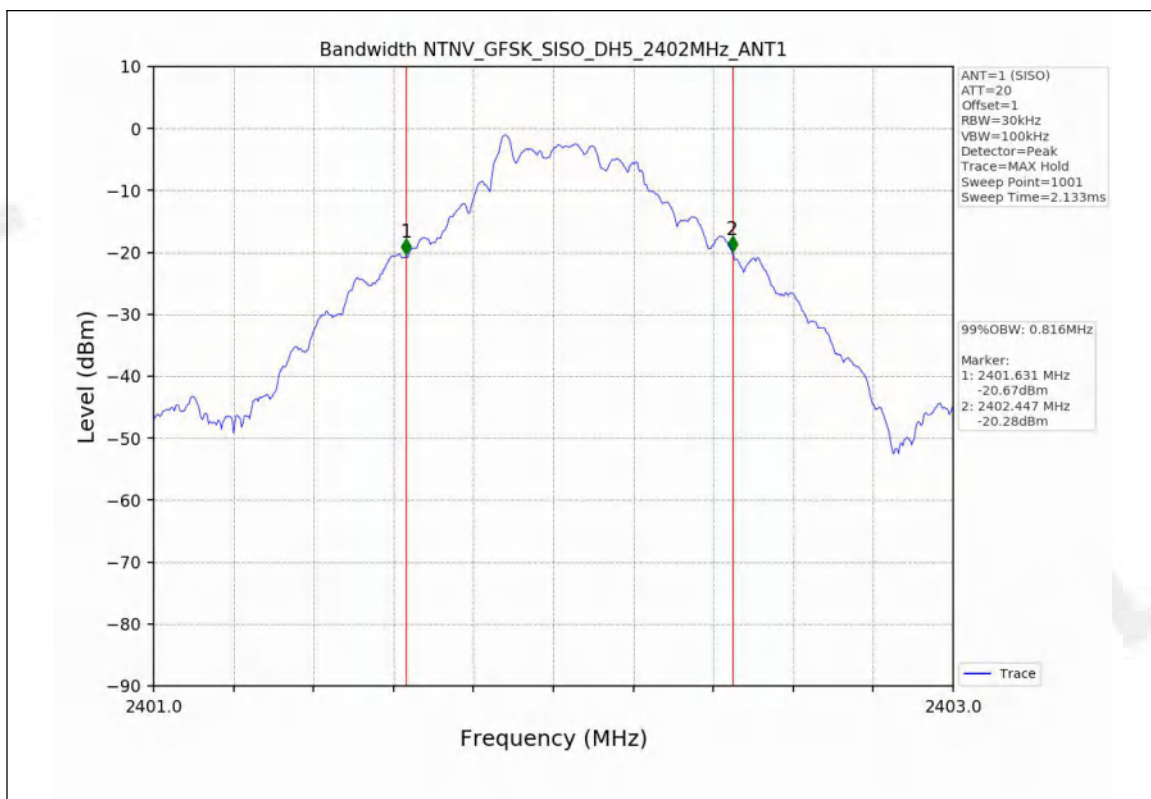


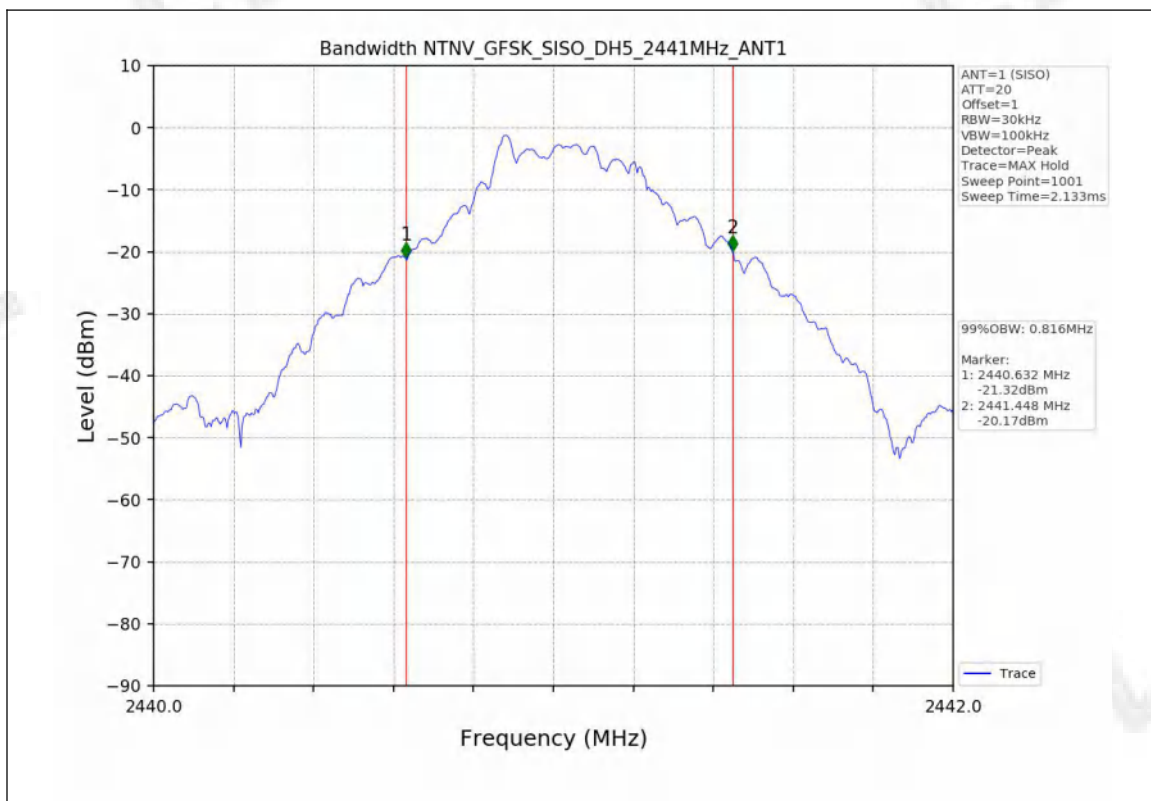


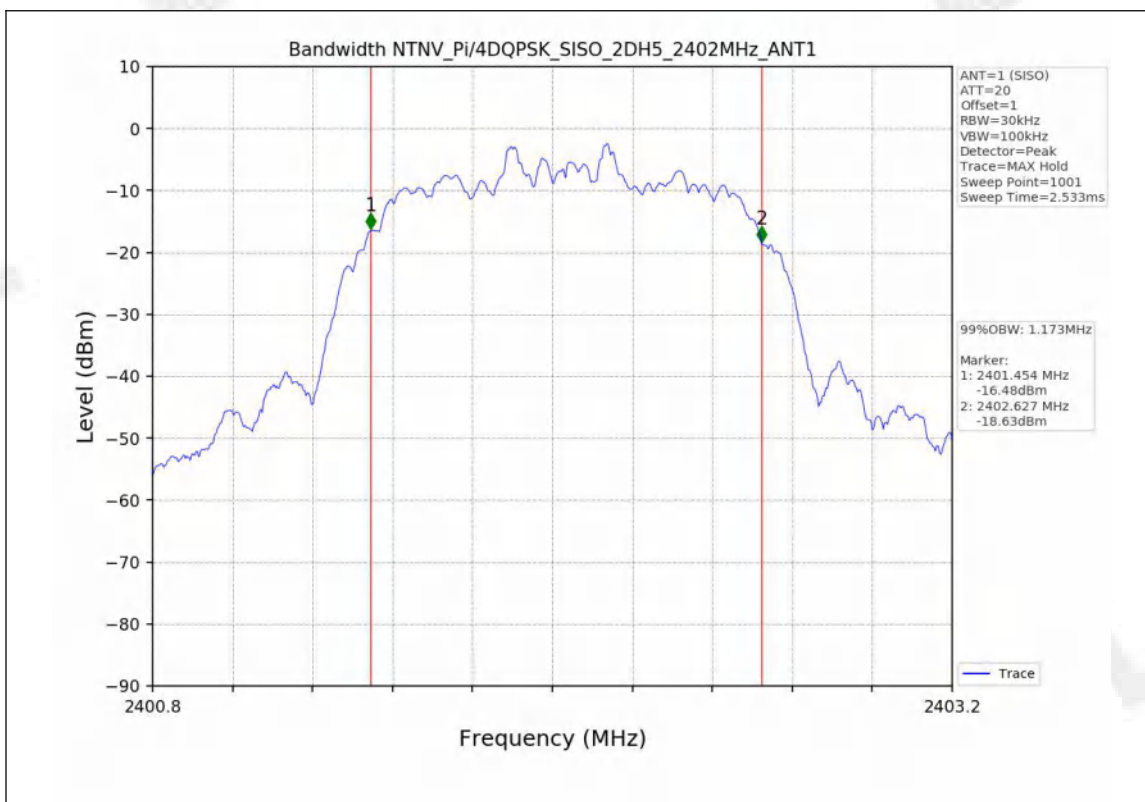
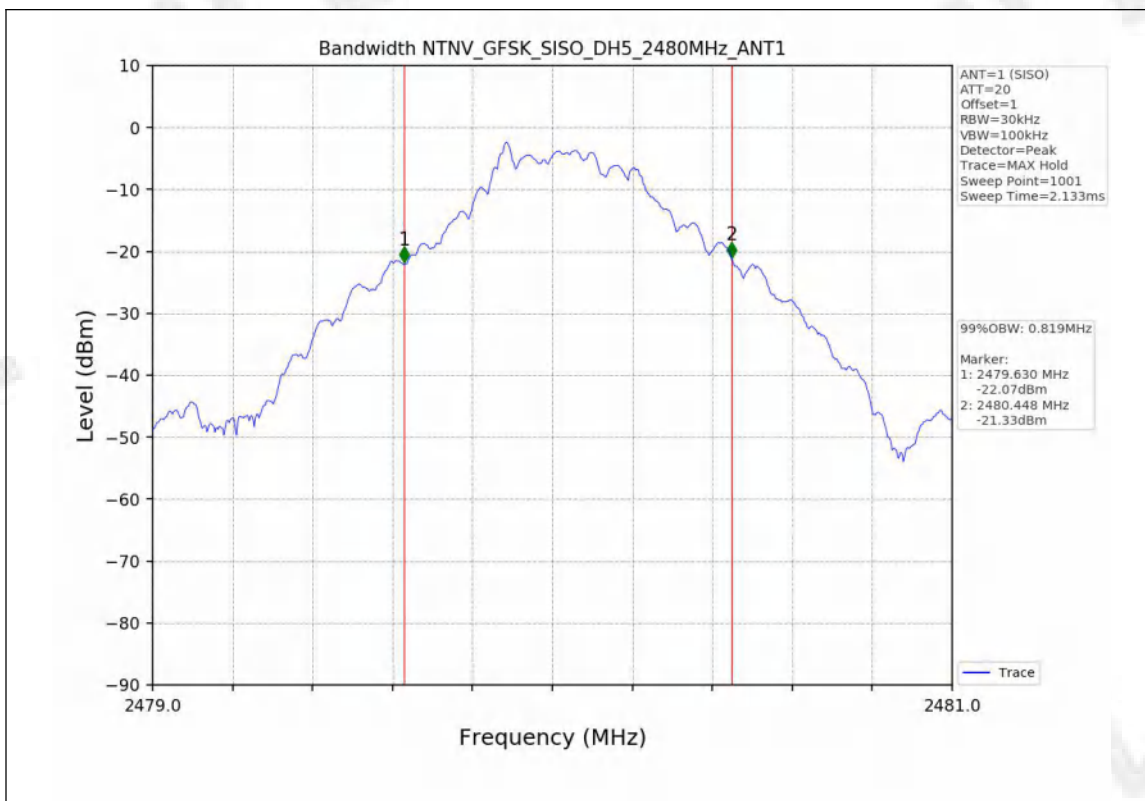


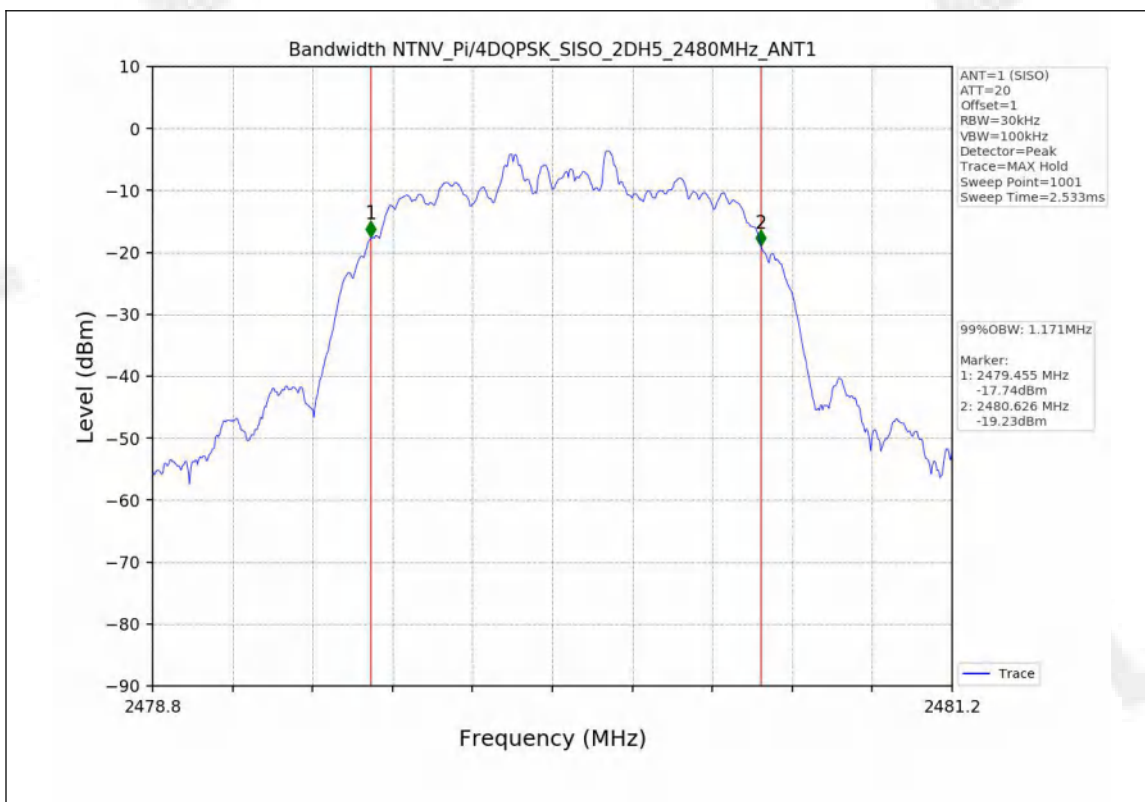
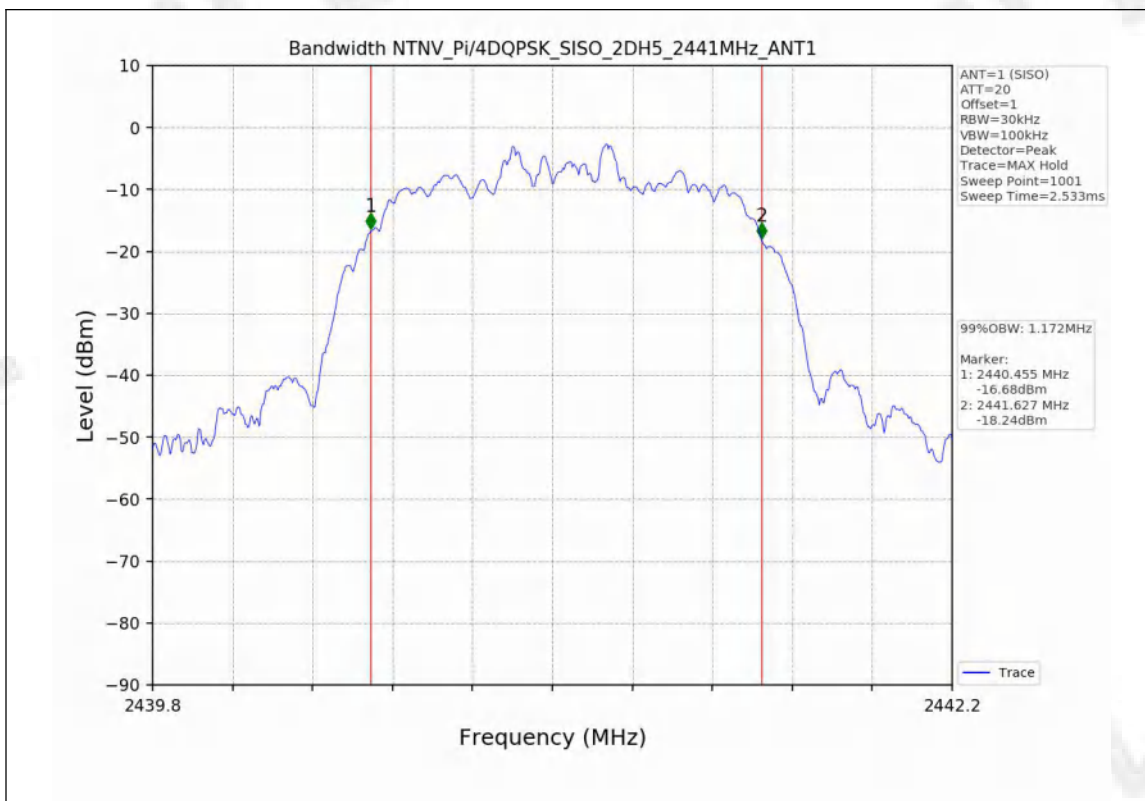


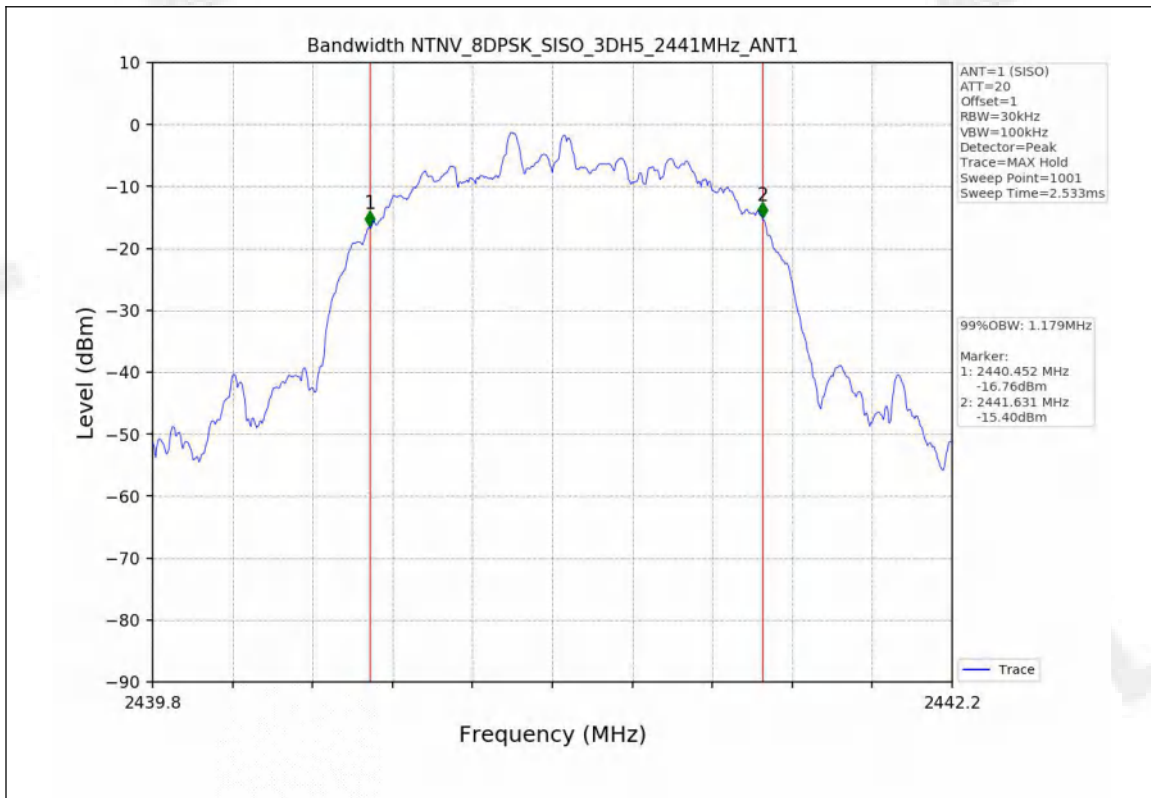
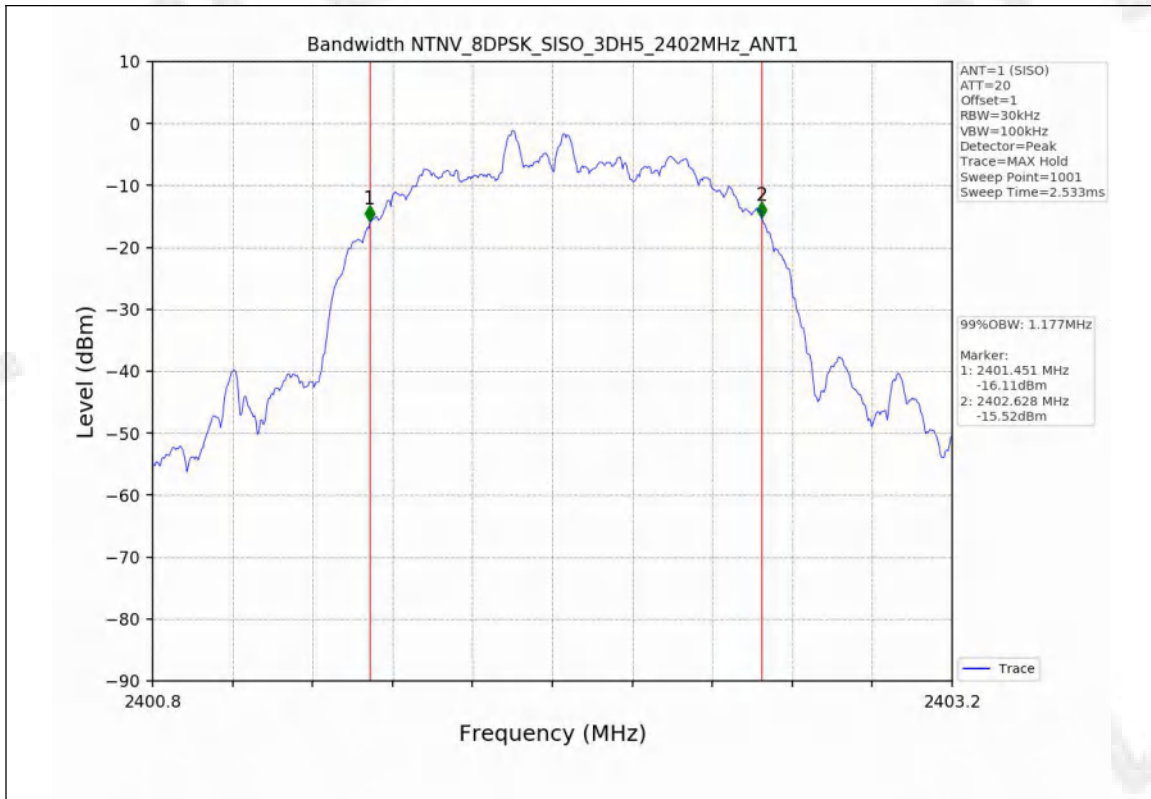
1.3 Test Graph - 99% Occupied Bandwidth

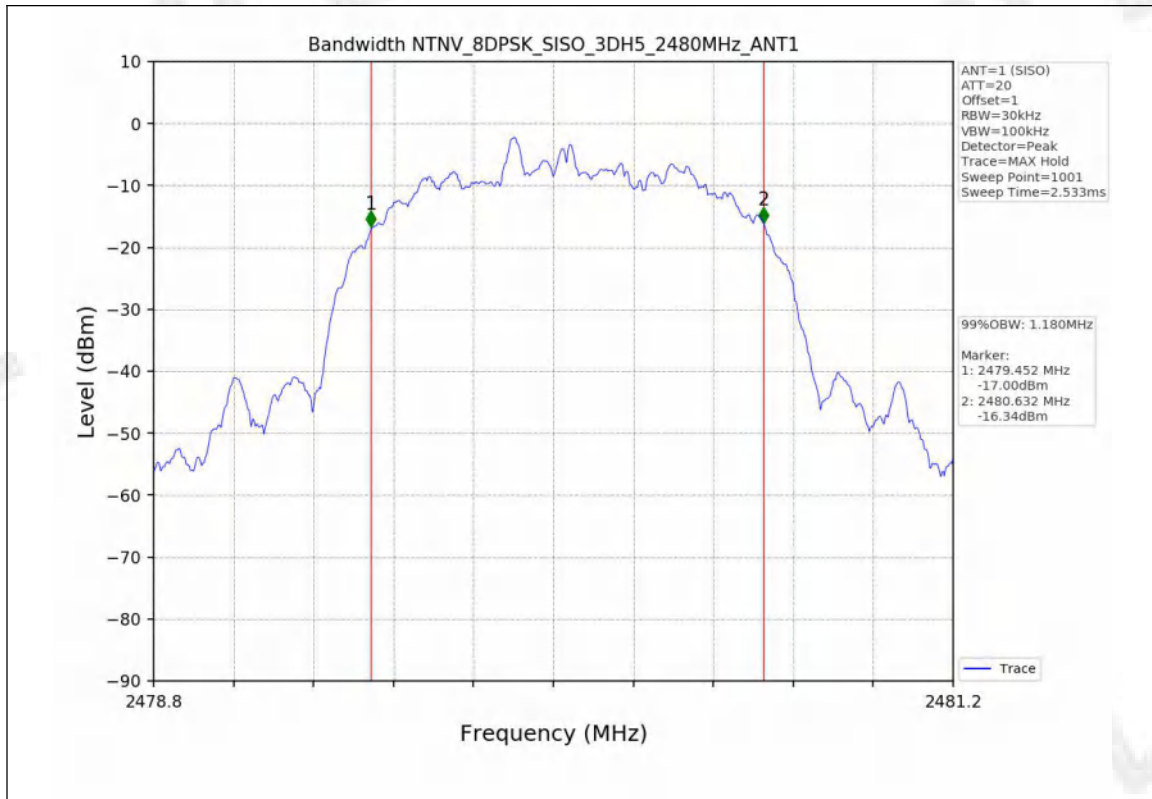










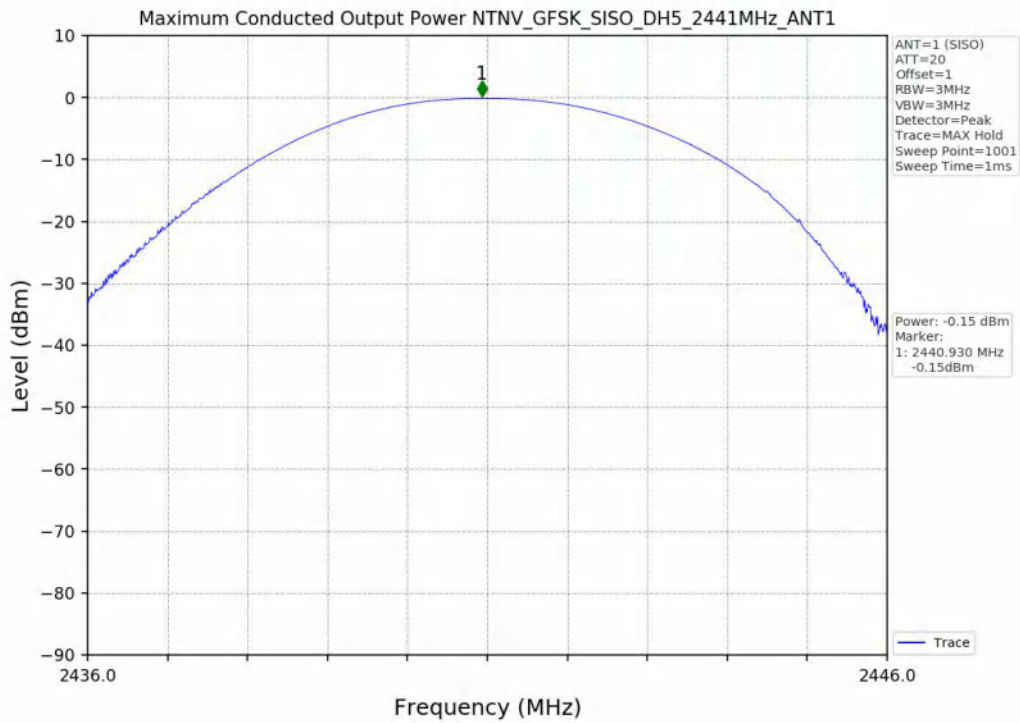
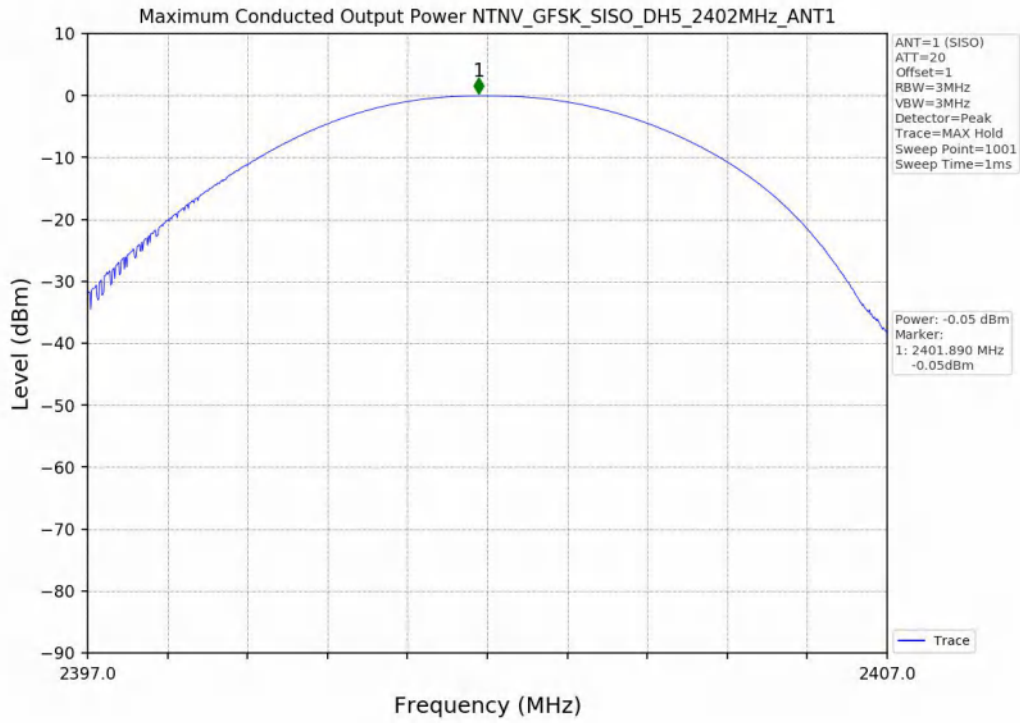


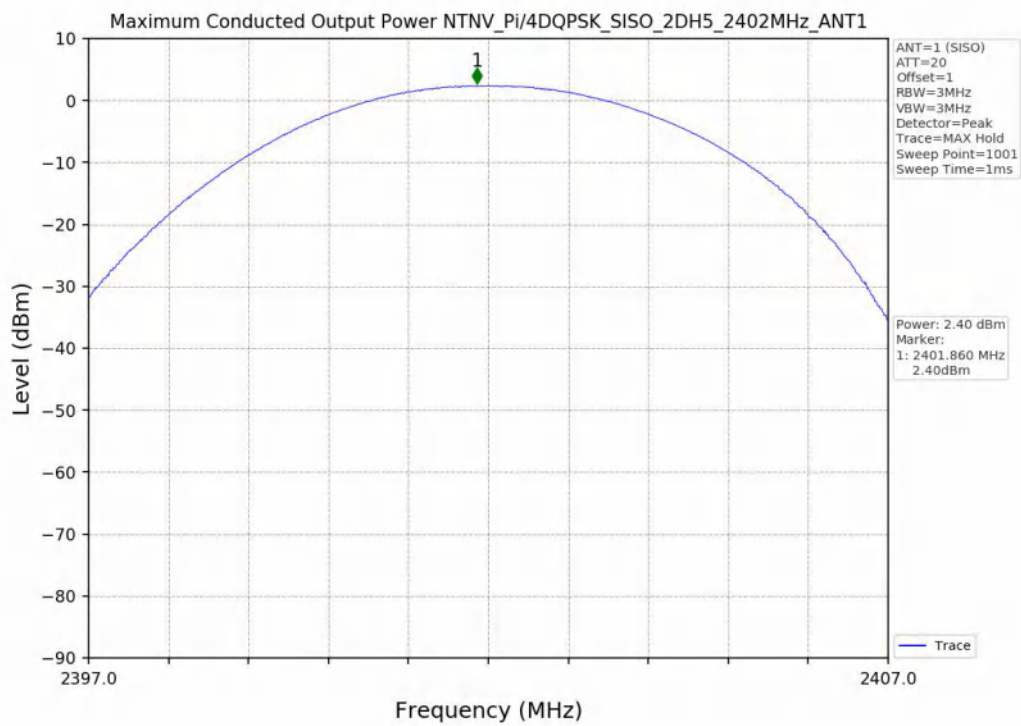
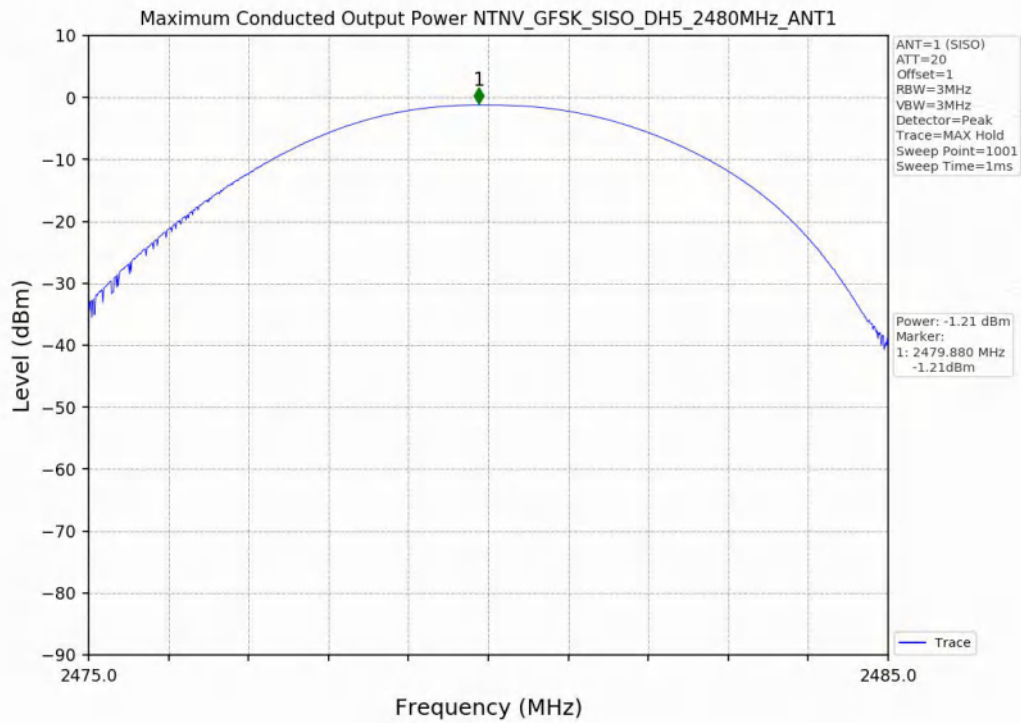
2. Maximum Conducted Output Power

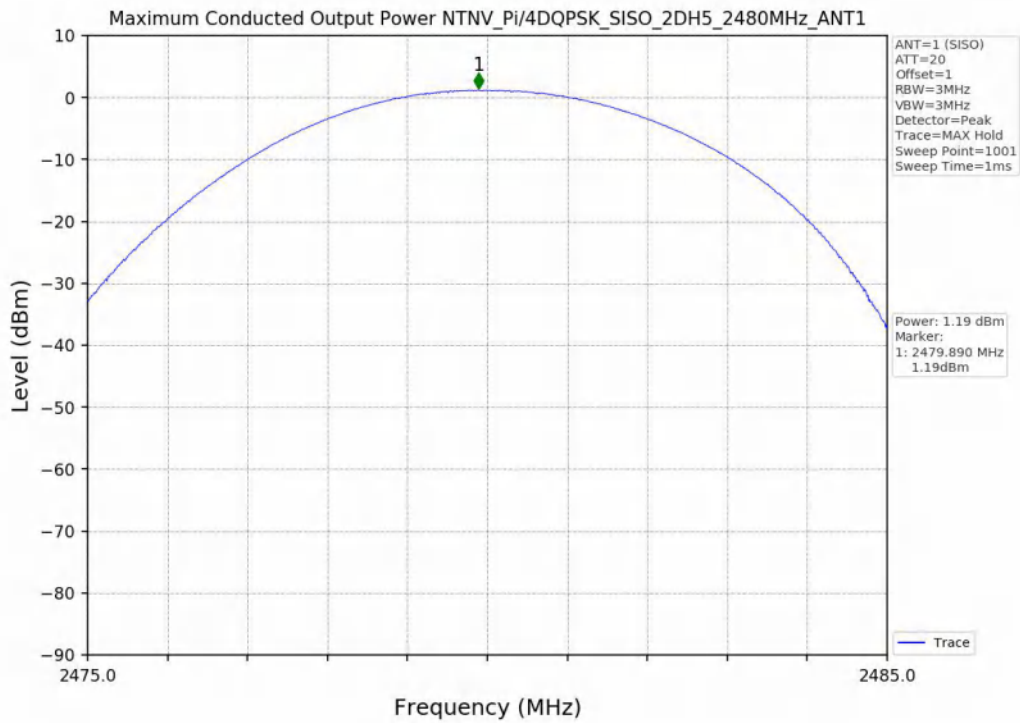
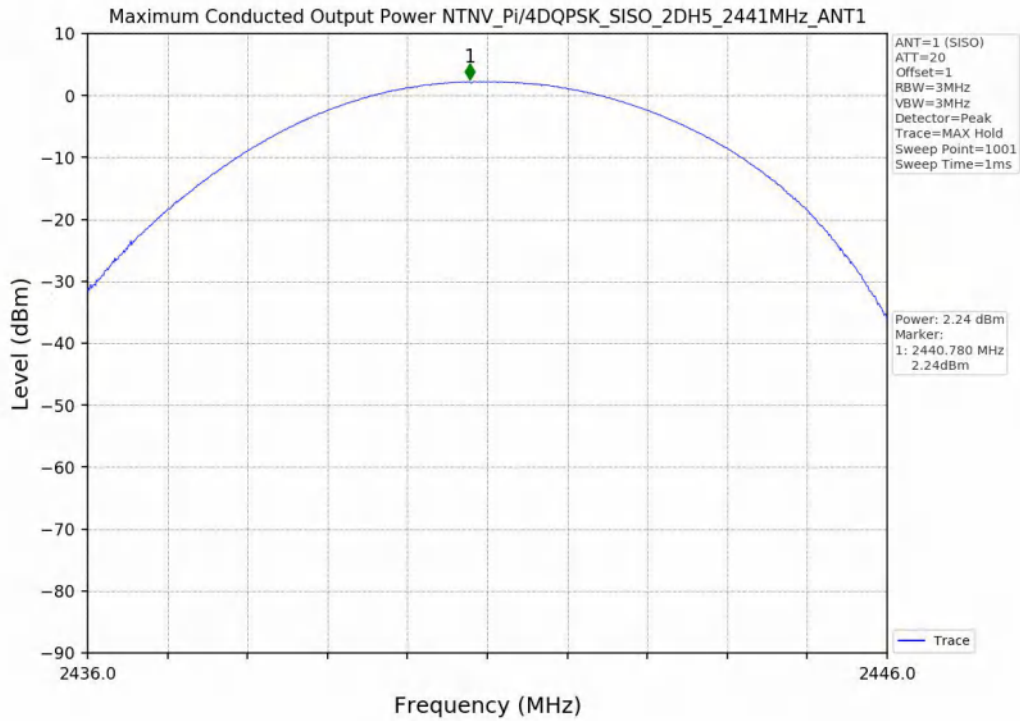
2.1 Test Result

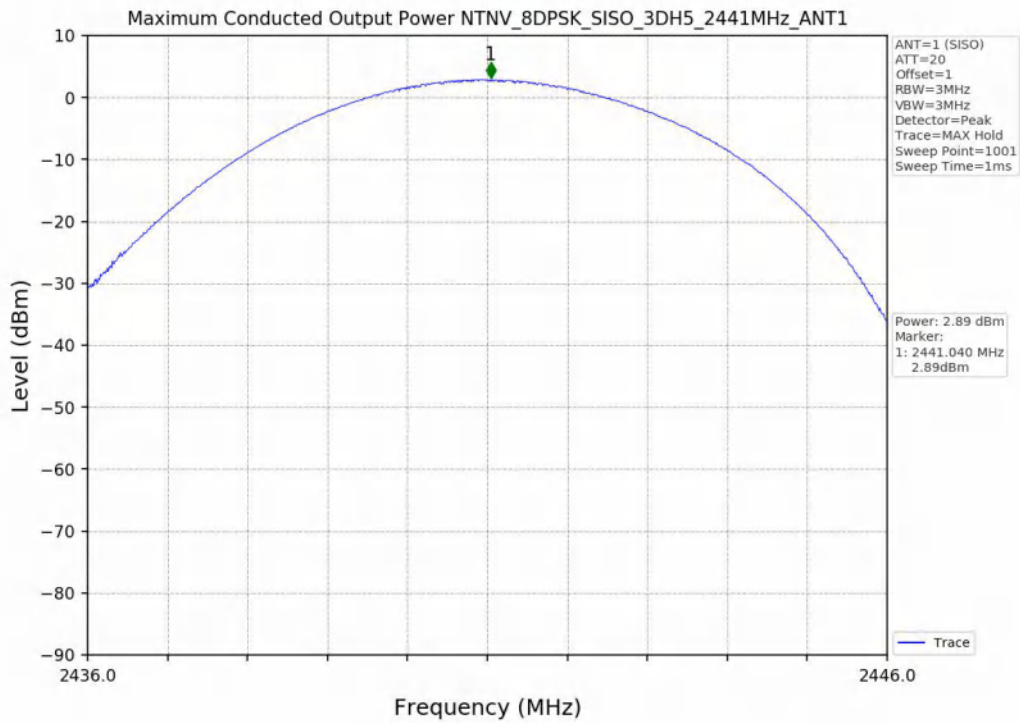
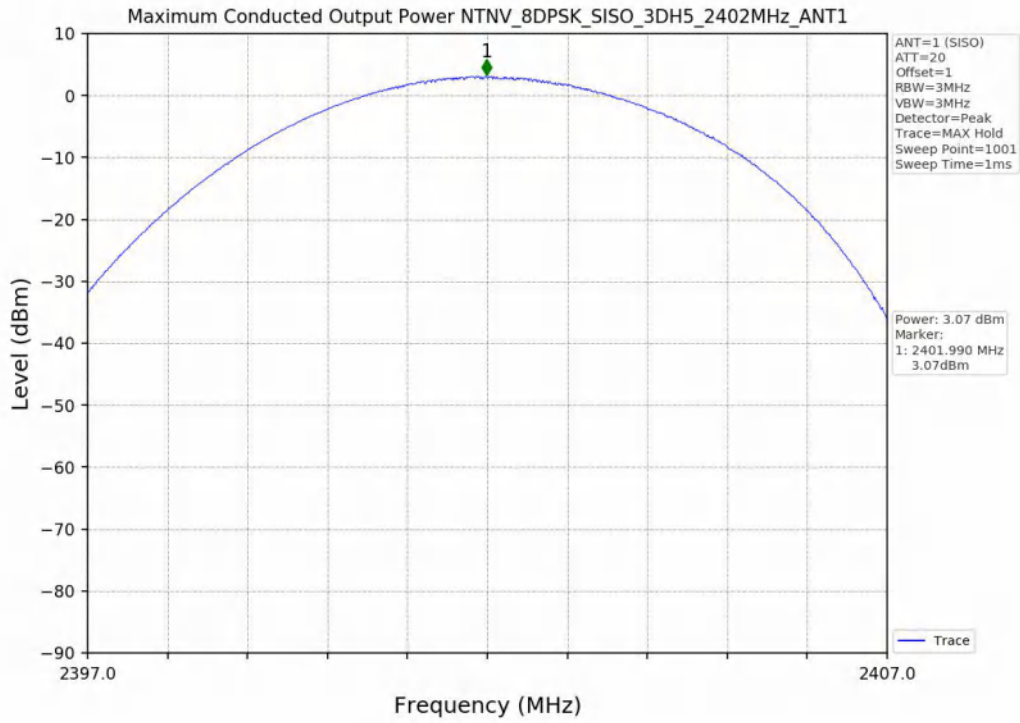
Test Mode	Frequency (MHz)	Tx Type	Measured Peak Output Power (dBm)	Limits (dBm)	Verdict
			Ant 1		
GFSK	2402	SISO	-0.05	30	PASS
	2441	SISO	-0.15	30	PASS
	2480	SISO	-1.21	30	PASS
Pi/4DQPSK	2402	SISO	2.40	20.97	PASS
	2441	SISO	2.24	20.97	PASS
	2480	SISO	1.19	20.97	PASS
8DPSK	2402	SISO	3.07	20.97	PASS
	2441	SISO	2.89	20.97	PASS
	2480	SISO	1.85	20.97	PASS

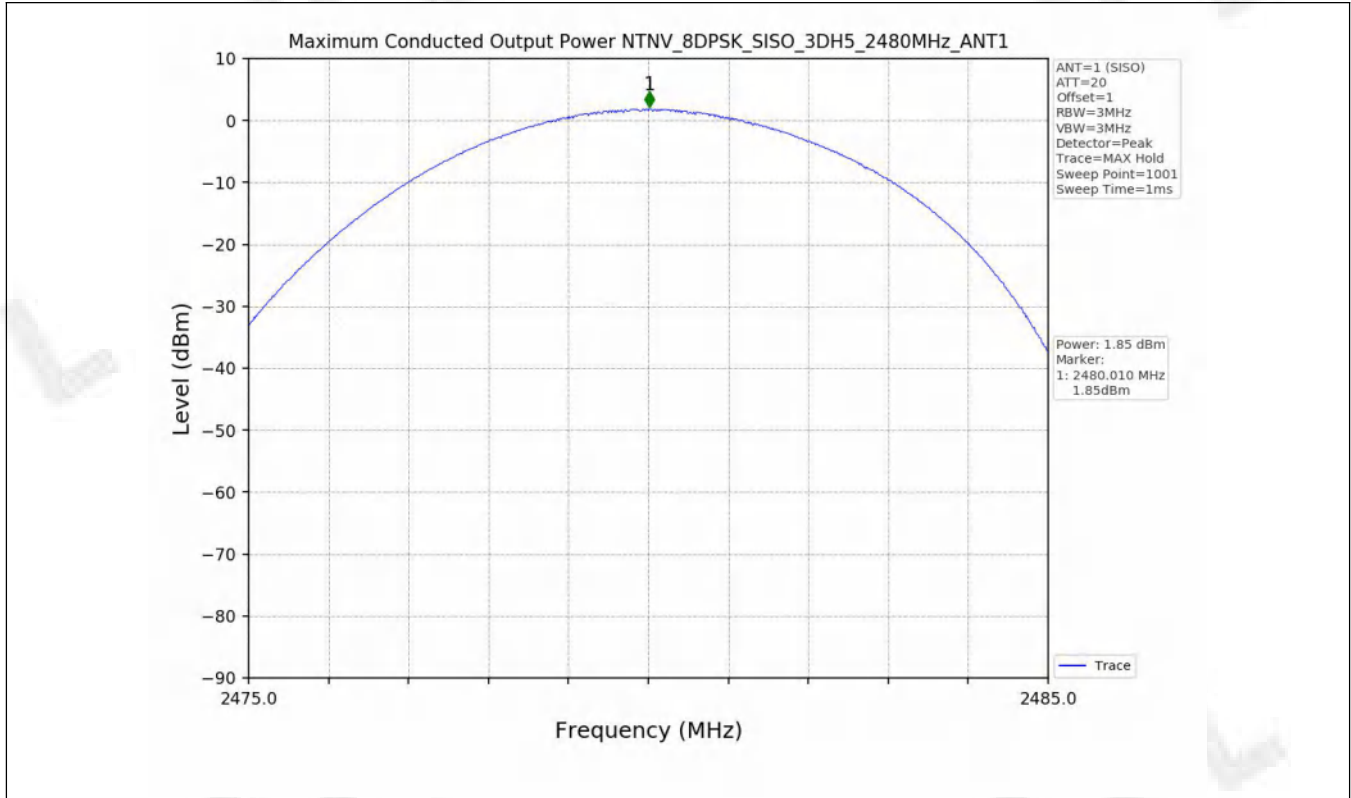
2.2 Test Graph









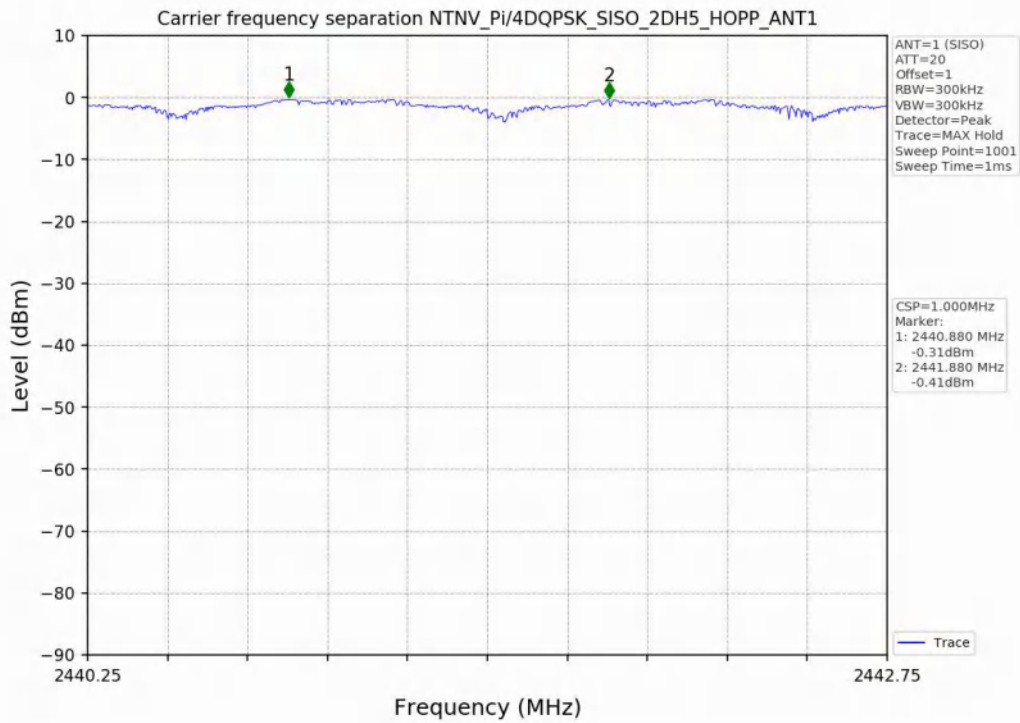
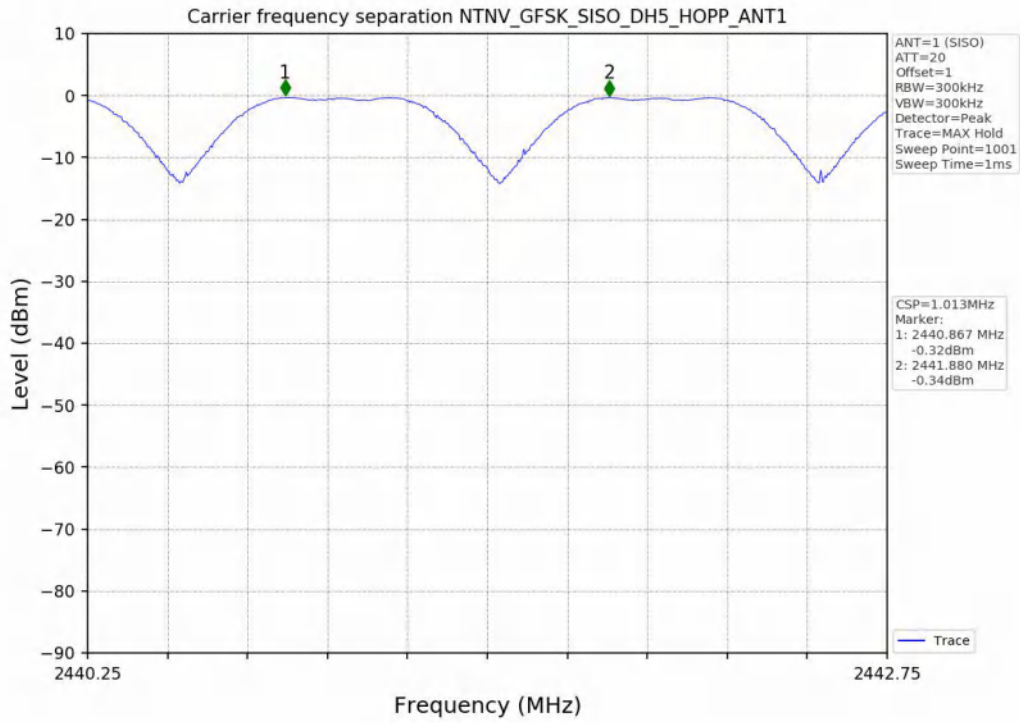


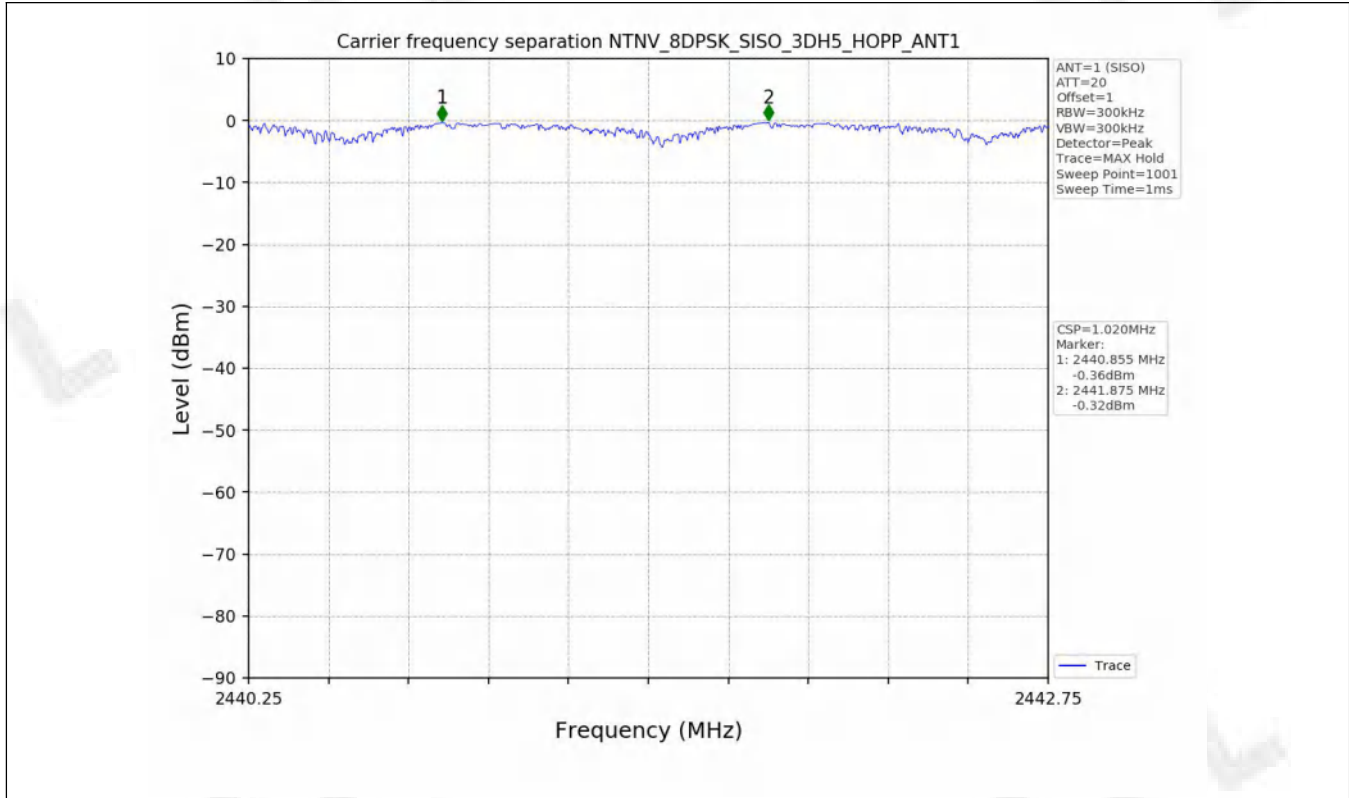
3. Carrier frequency separation

3.1 Test Result

Test Mode	TX Type	ANT No.	Channel Separation (MHz)	20dB Bandwidth (MHz)	Limits (MHz)	Verdict
GFSK	SISO	1	1.013	0.935	≥ 0.935	PASS
Pi/4DQPSK	SISO	1	1.000	1.321	≥ 0.881	PASS
8DPSK	SISO	1	1.020	1.309	≥ 0.873	PASS

3.2 Test Graph



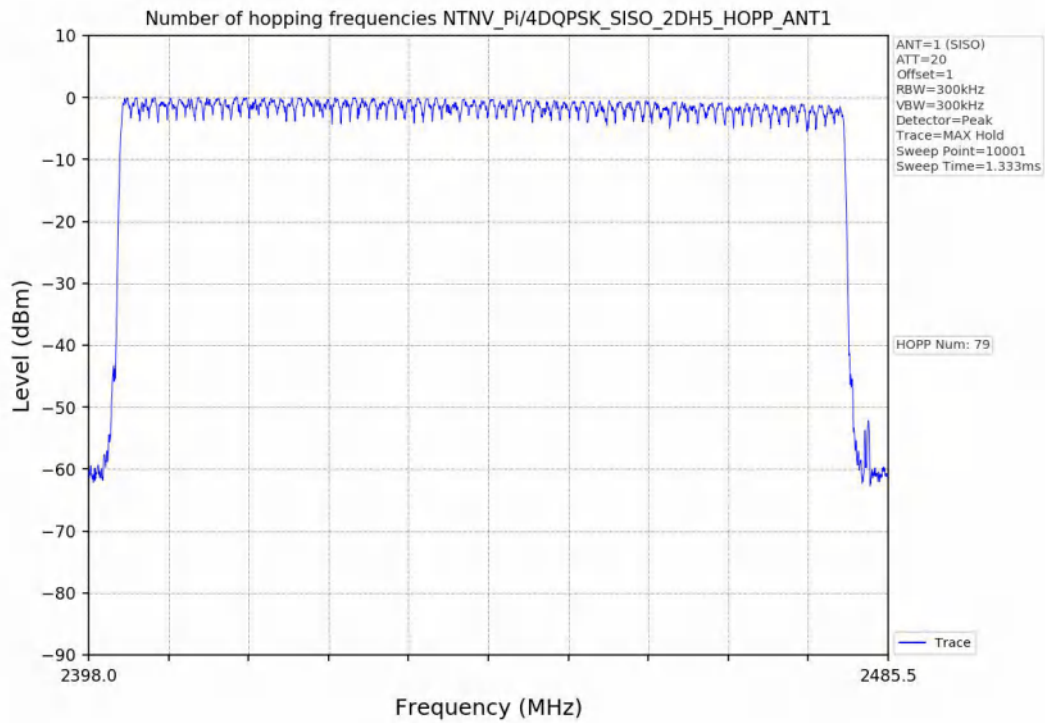
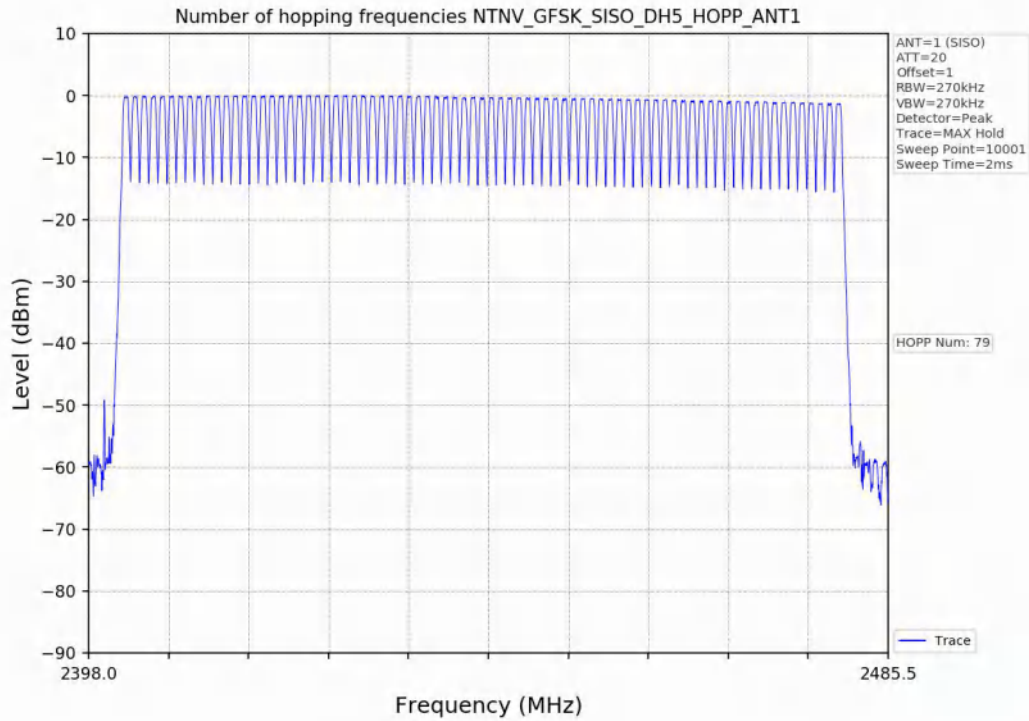


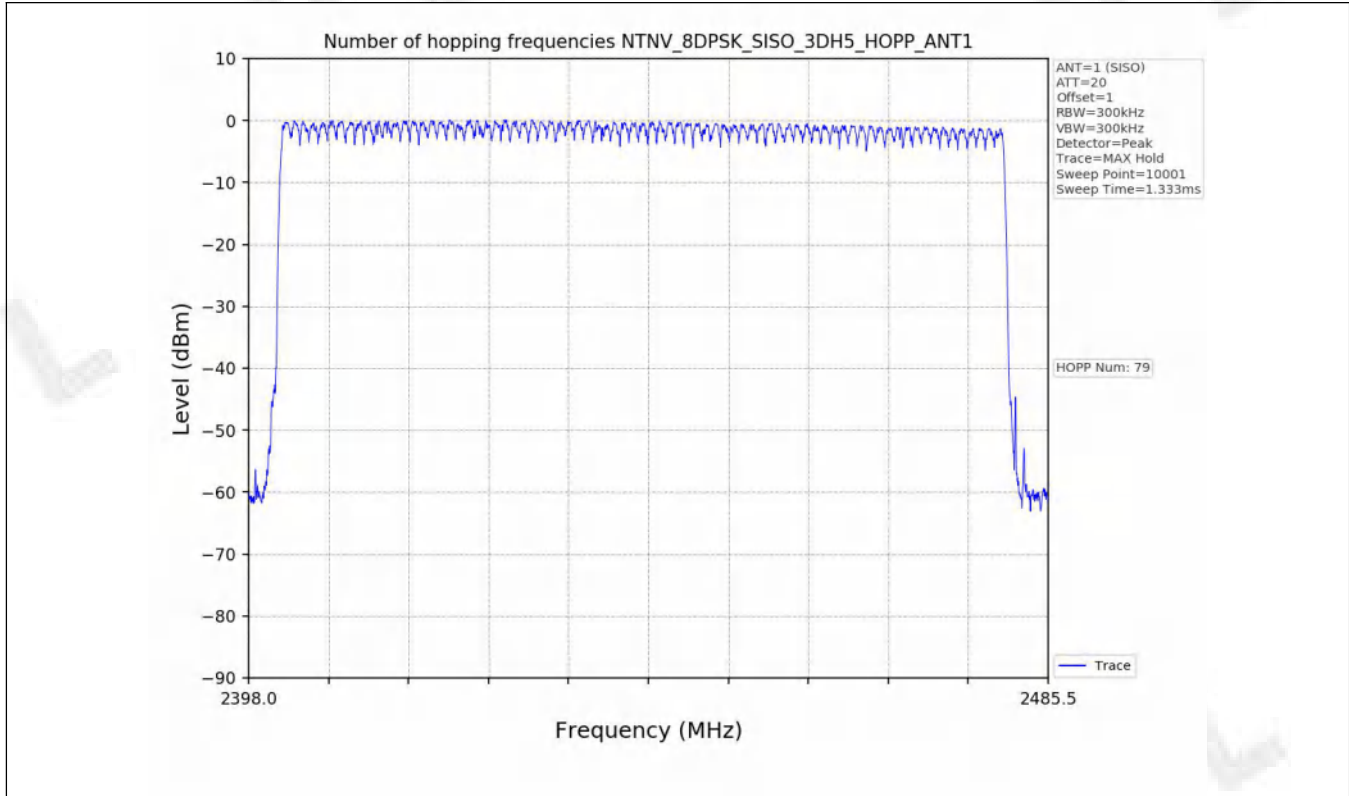
4. Number of hopping frequencies

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



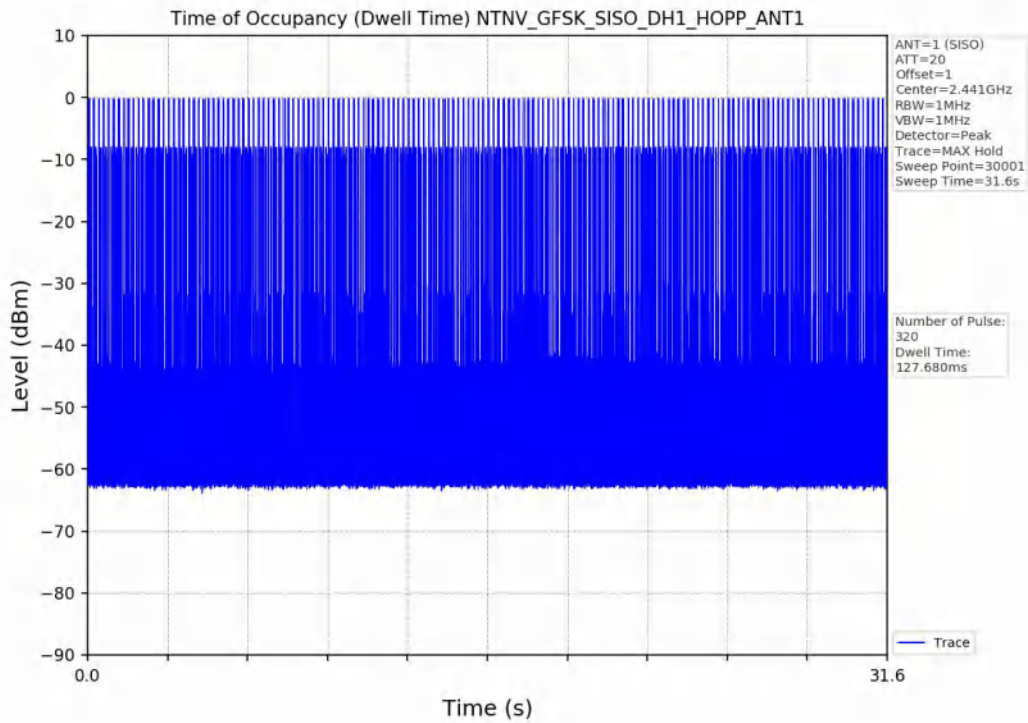
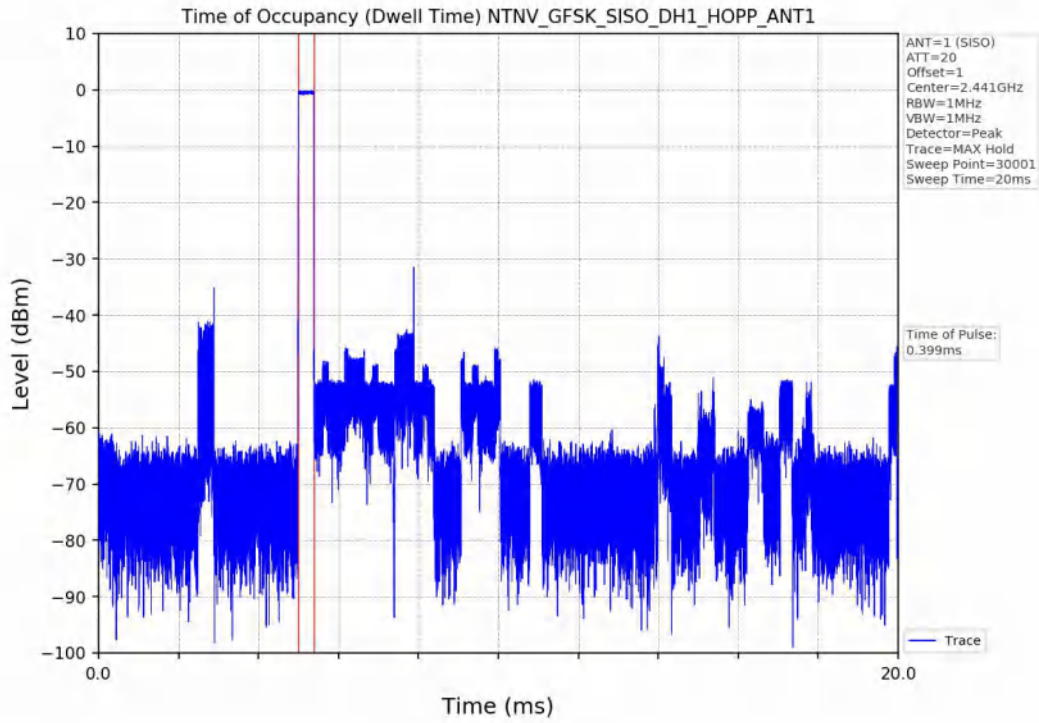


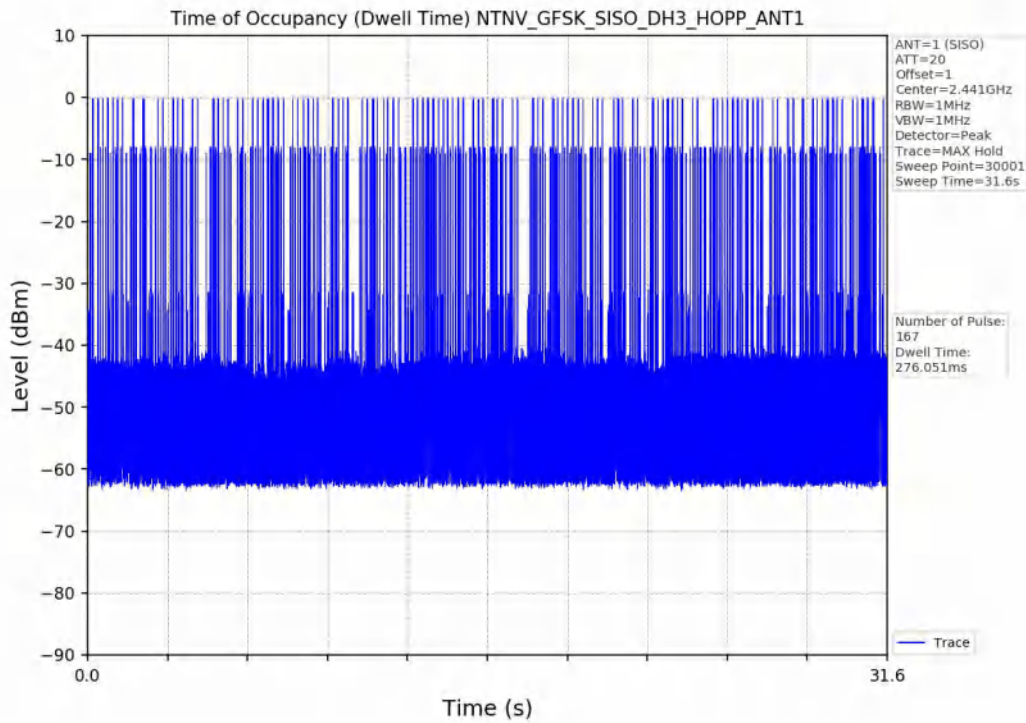
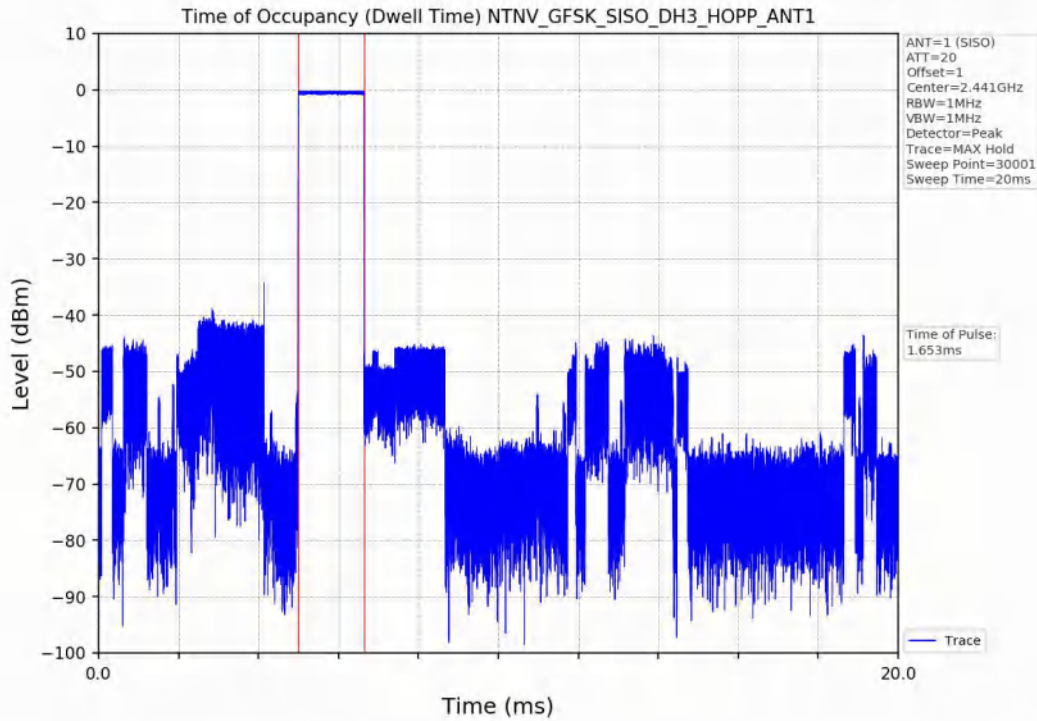
5. Time of Occupancy (Dwell Time)

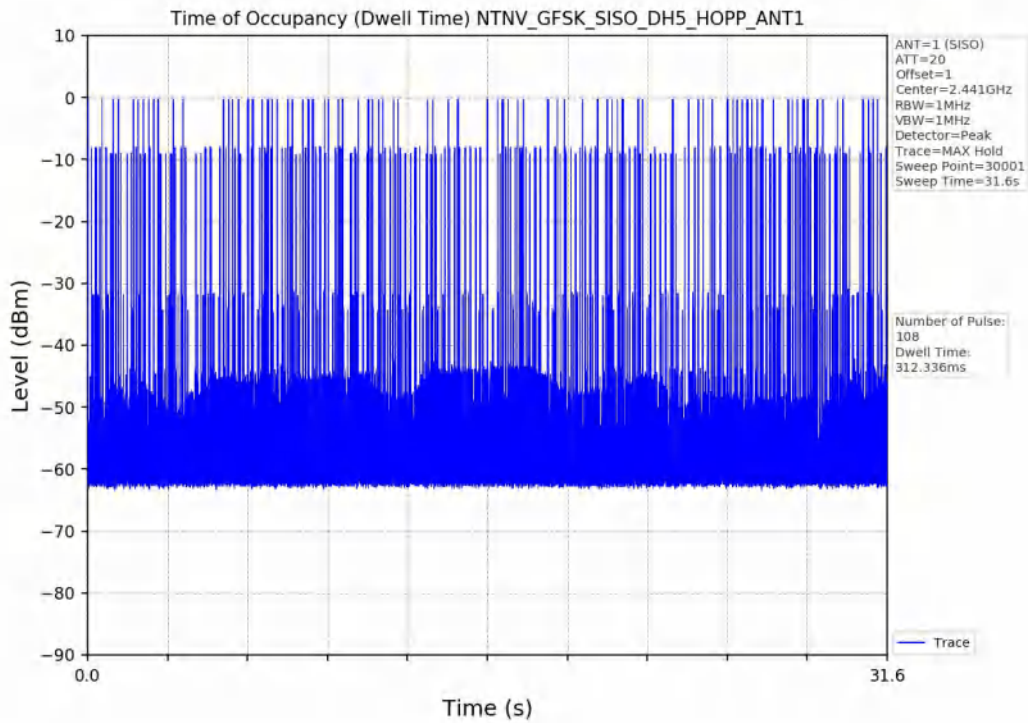
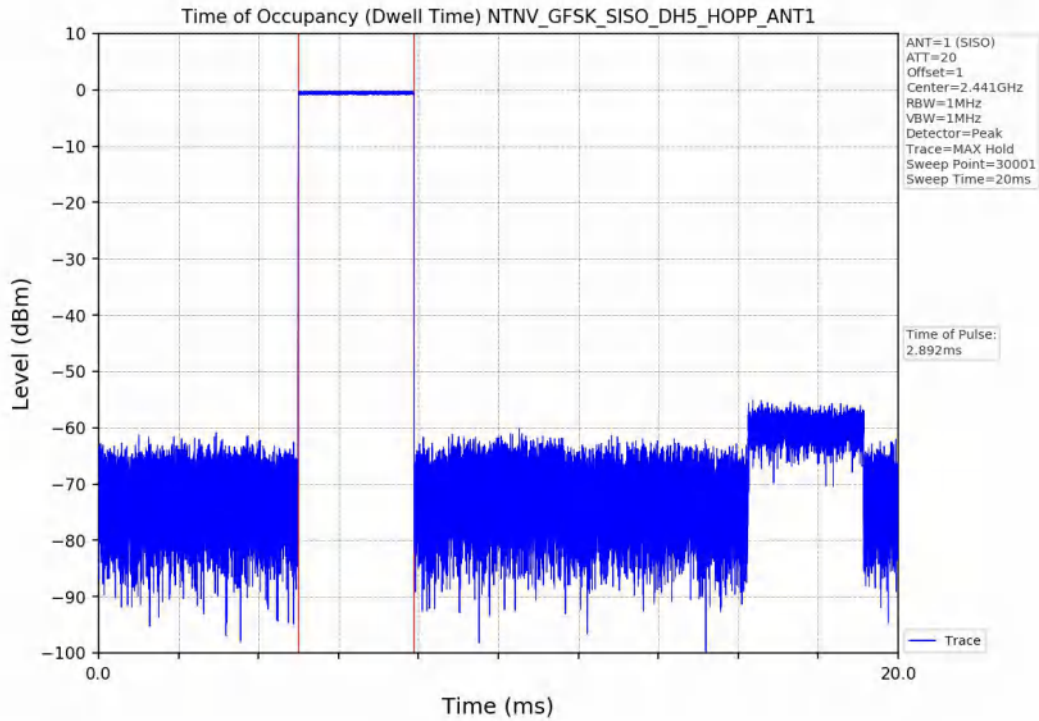
5.1 Test Result

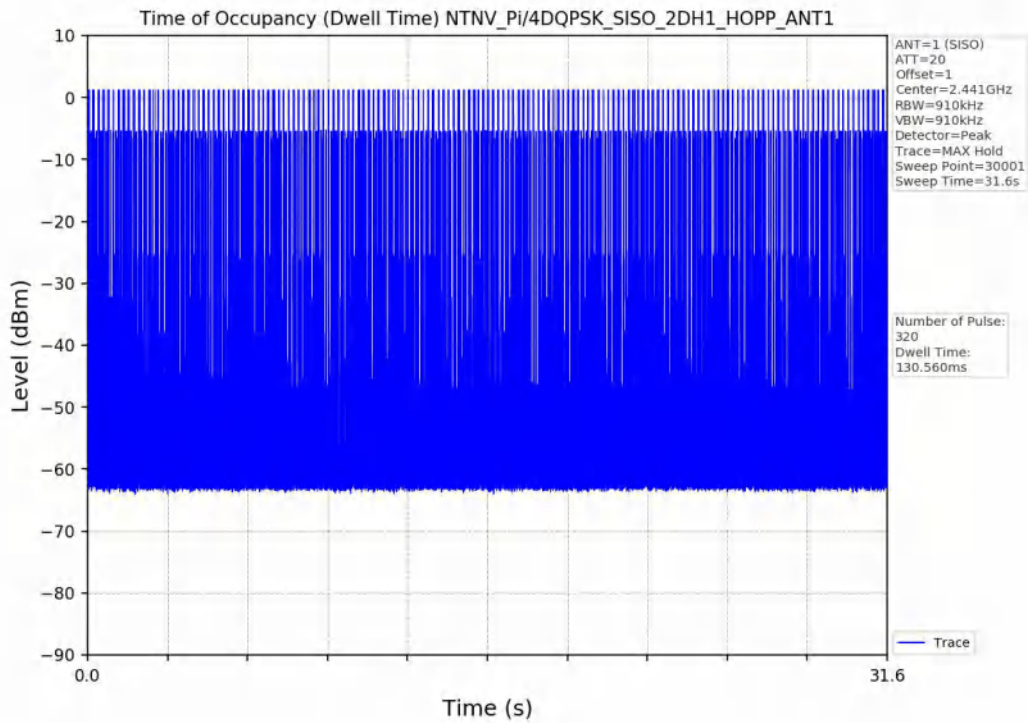
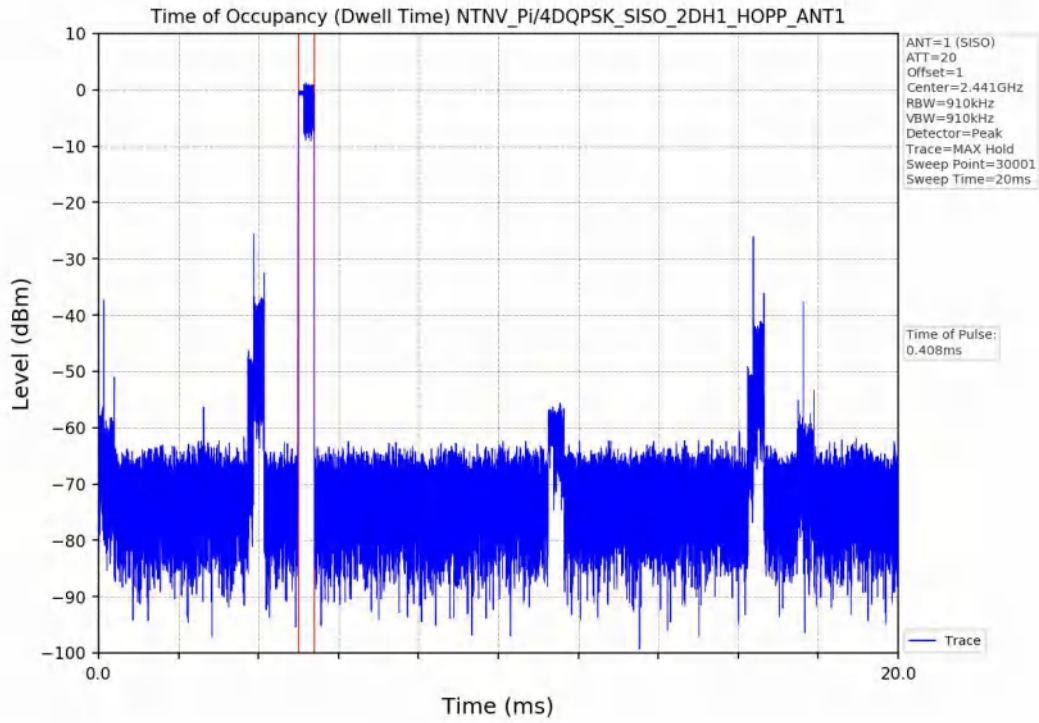
Test Mode	Packet Type	TX Type	ANT No.	Duration of Single Pulse (ms)	Observation Period (s)	Num of Pulse in Observation Period	Dwell Time (ms)	Limits (ms)	Verdict
GFSK	DH1	SISO	1	0.399	31.6	320	127.680	≤400	PASS
	DH3	SISO	1	1.653	31.6	167	276.051	≤400	PASS
	DH5	SISO	1	2.892	31.6	108	312.336	≤400	PASS
Pi/4DQPSK	2DH1	SISO	1	0.408	31.6	320	130.560	≤400	PASS
	2DH3	SISO	1	1.653	31.6	163	269.439	≤400	PASS
	2DH5	SISO	1	2.901	31.6	83	240.783	≤400	PASS
8DPSK	3DH1	SISO	1	0.409	31.6	320	130.880	≤400	PASS
	3DH3	SISO	1	1.660	31.6	163	270.580	≤400	PASS
	3DH5	SISO	1	2.911	31.6	112	326.032	≤400	PASS

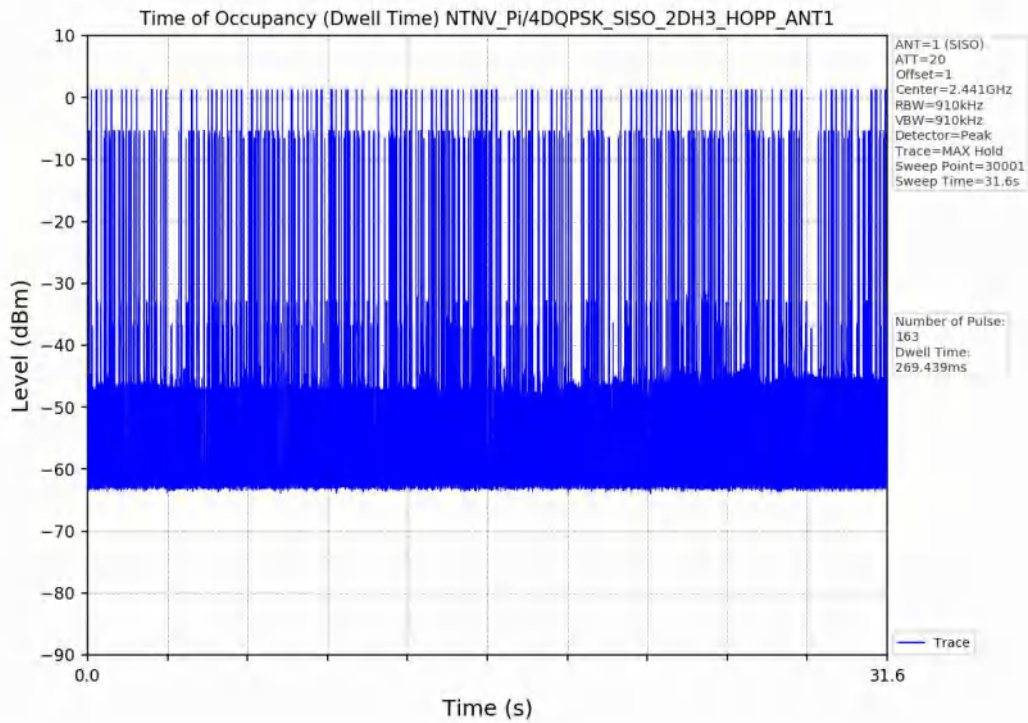
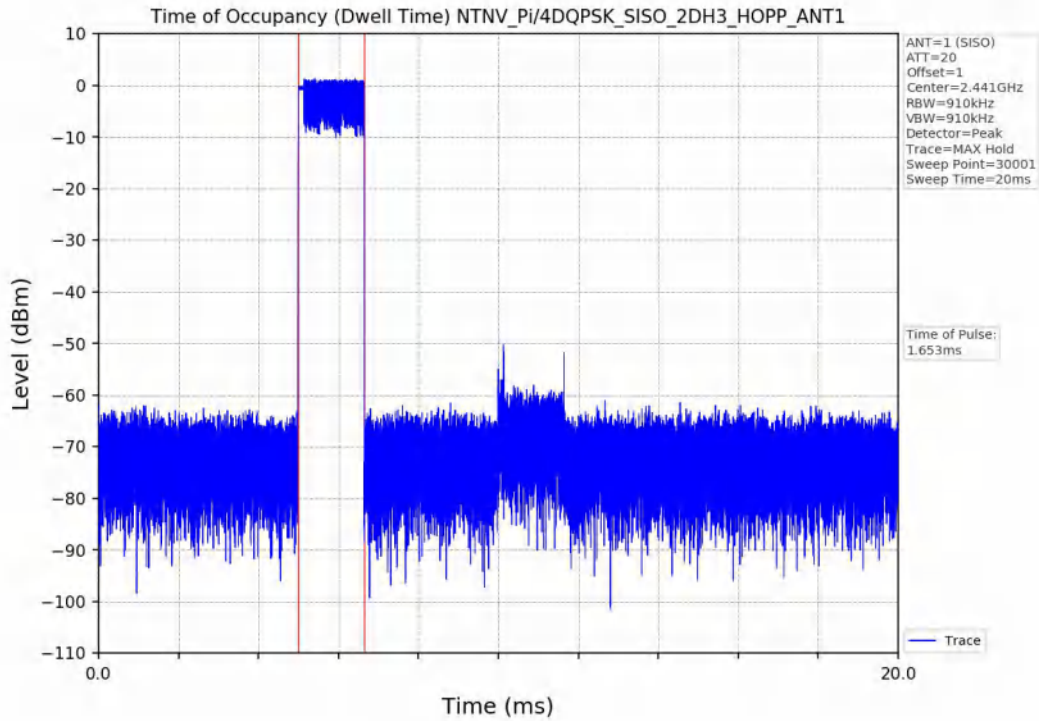
5.2 Test Graph

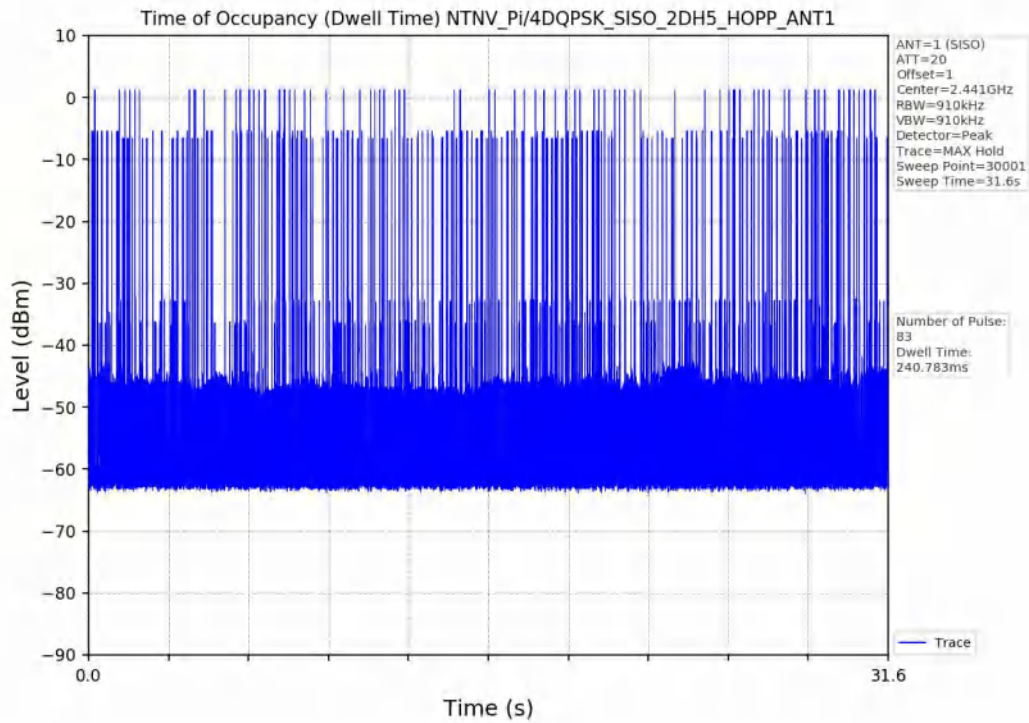
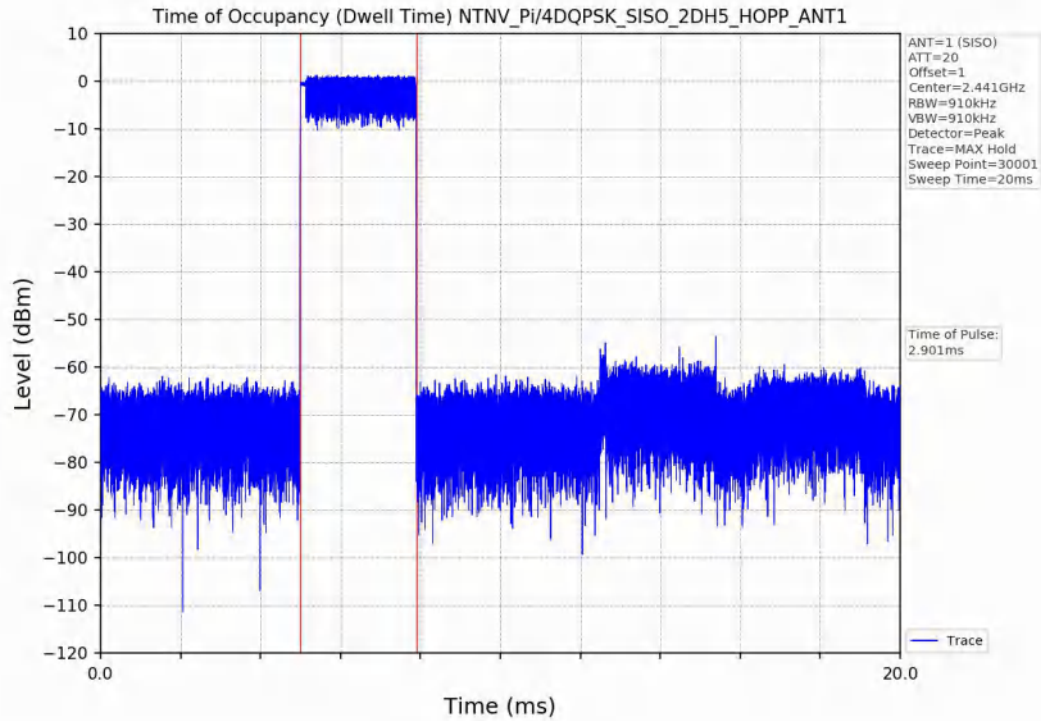


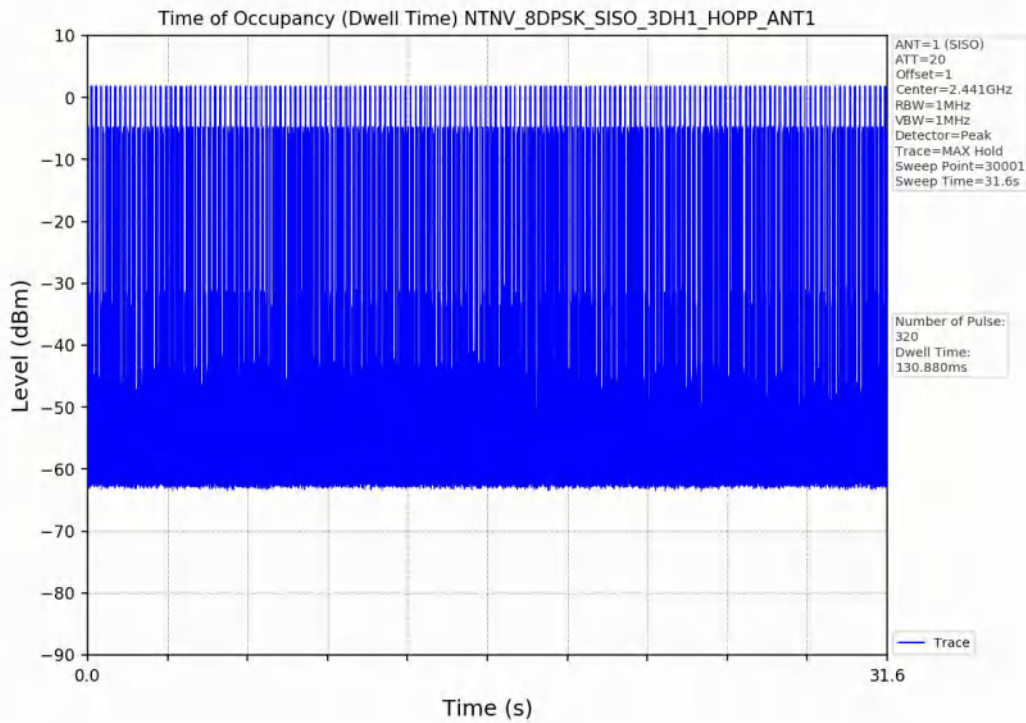
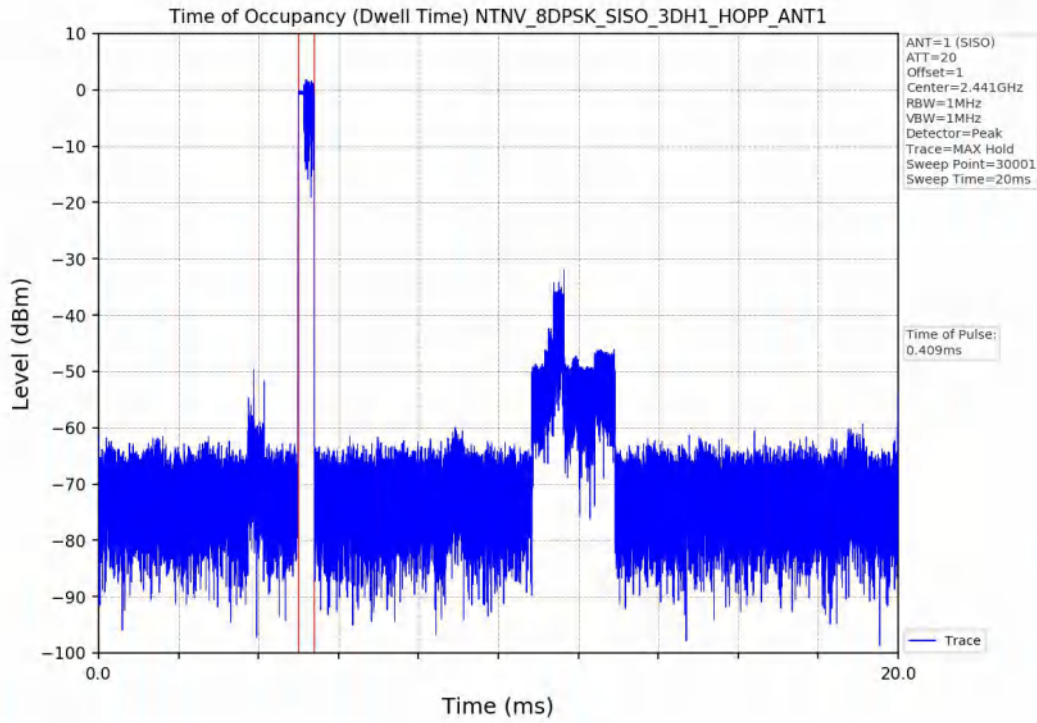


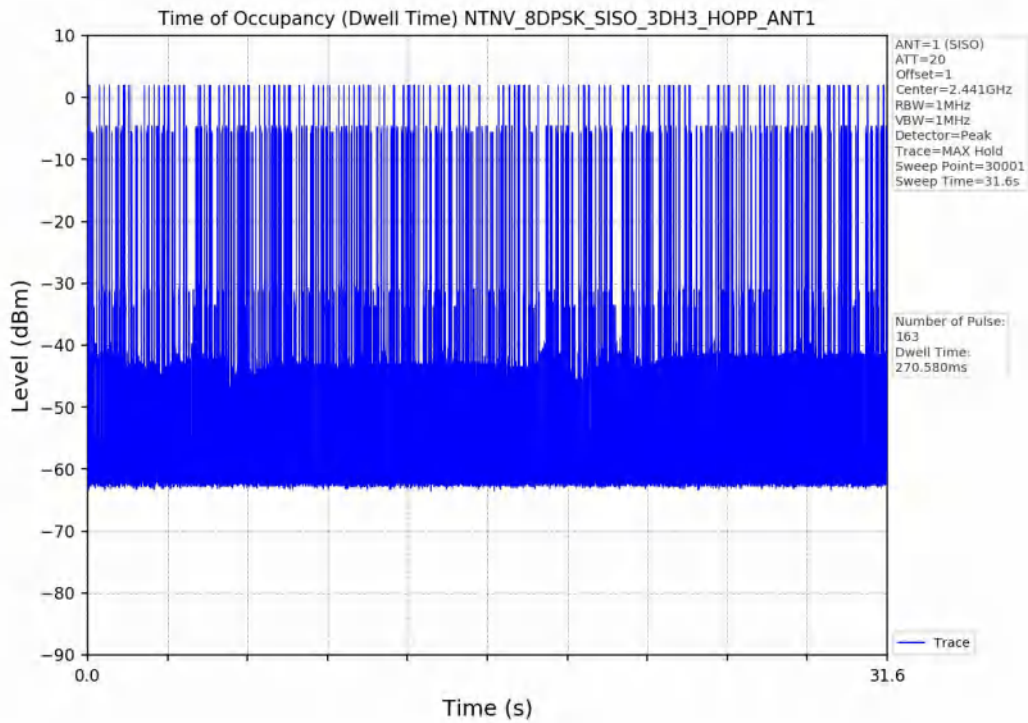
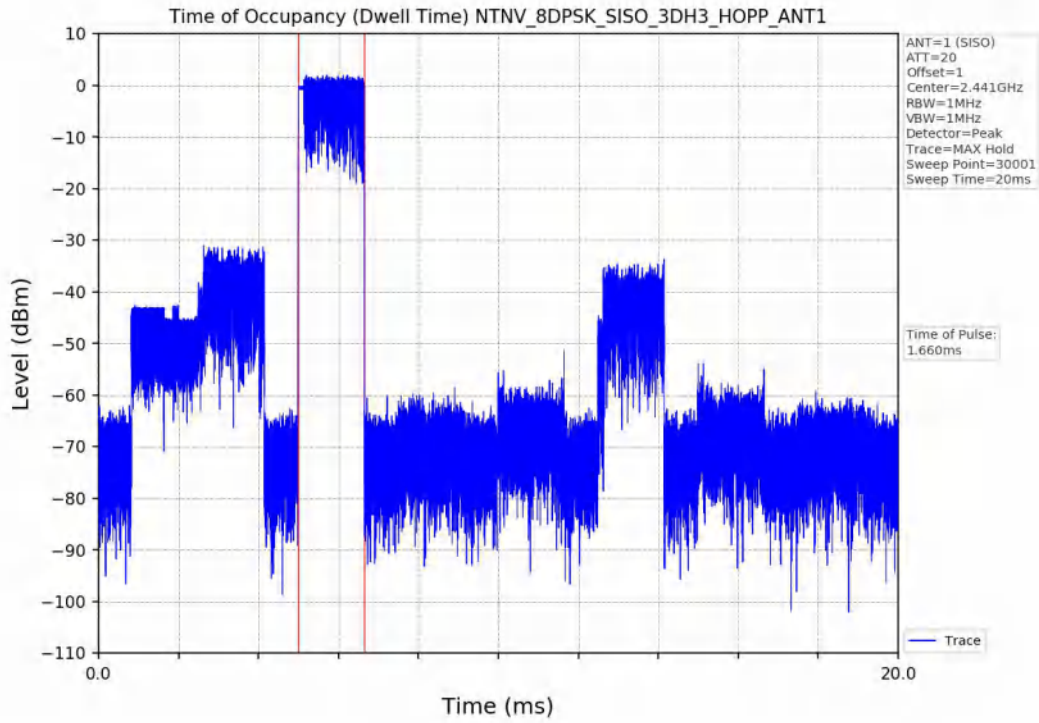


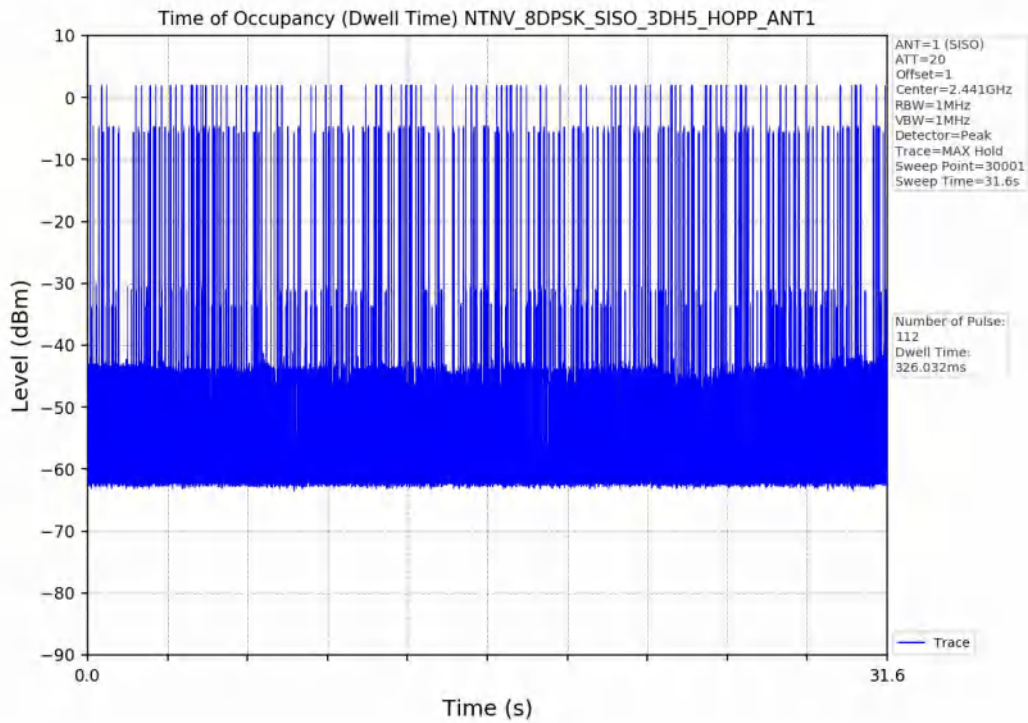
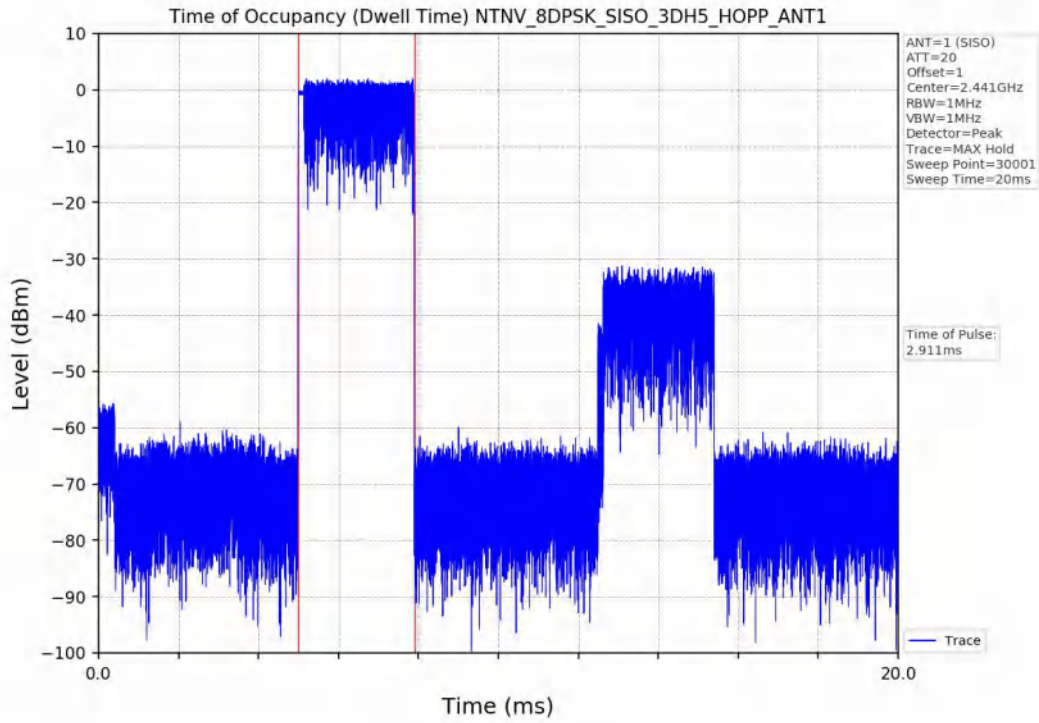












6. Unwanted Emissions in Non-restricted Frequency Bands

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	-20.24	PASS
	2441	SISO	1	Refer to test graph	-20.24	PASS
	2480	SISO	1	Refer to test graph	-20.24	PASS
	Hopping	SISO	1	Refer to test graph	-20.24	PASS
8DPSK	2402	SISO	1	Refer to test graph	-20.22	PASS
	2441	SISO	1	Refer to test graph	-20.22	PASS
	2480	SISO	1	Refer to test graph	-20.22	PASS
	Hopping	SISO	1	Refer to test graph	-20.22	PASS

6.2 Test Graph

