

Appendix for 15.247

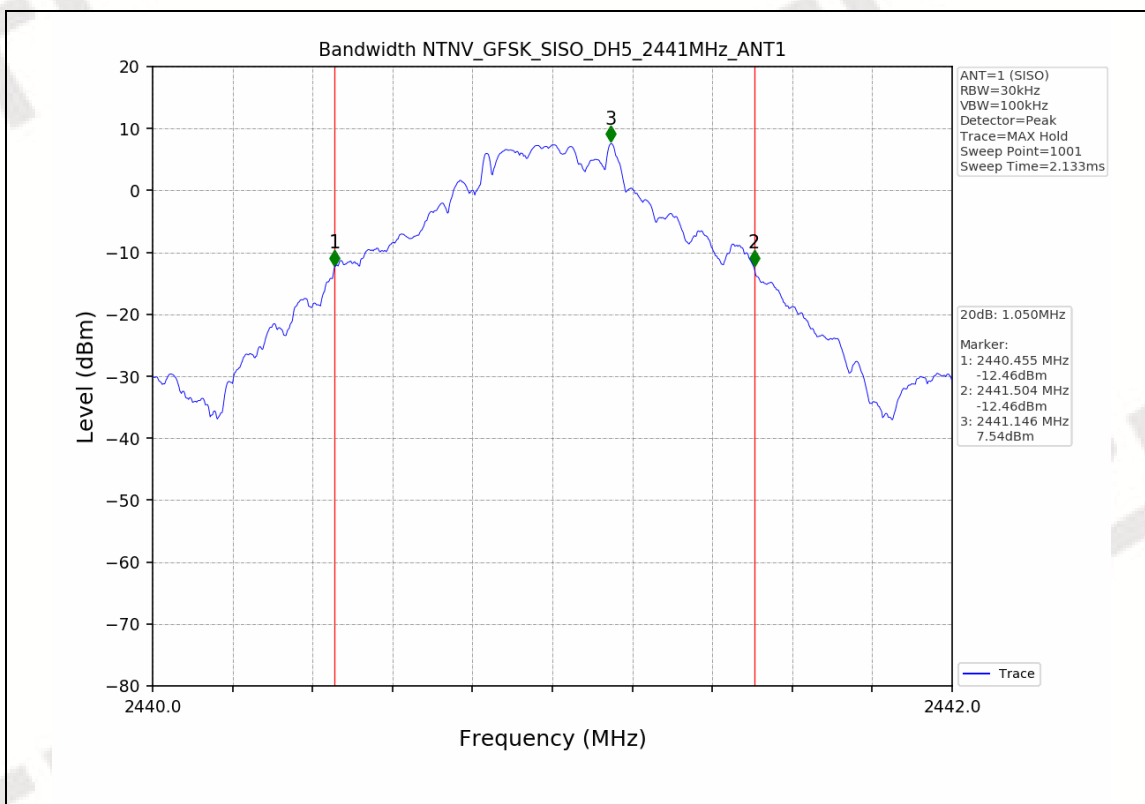
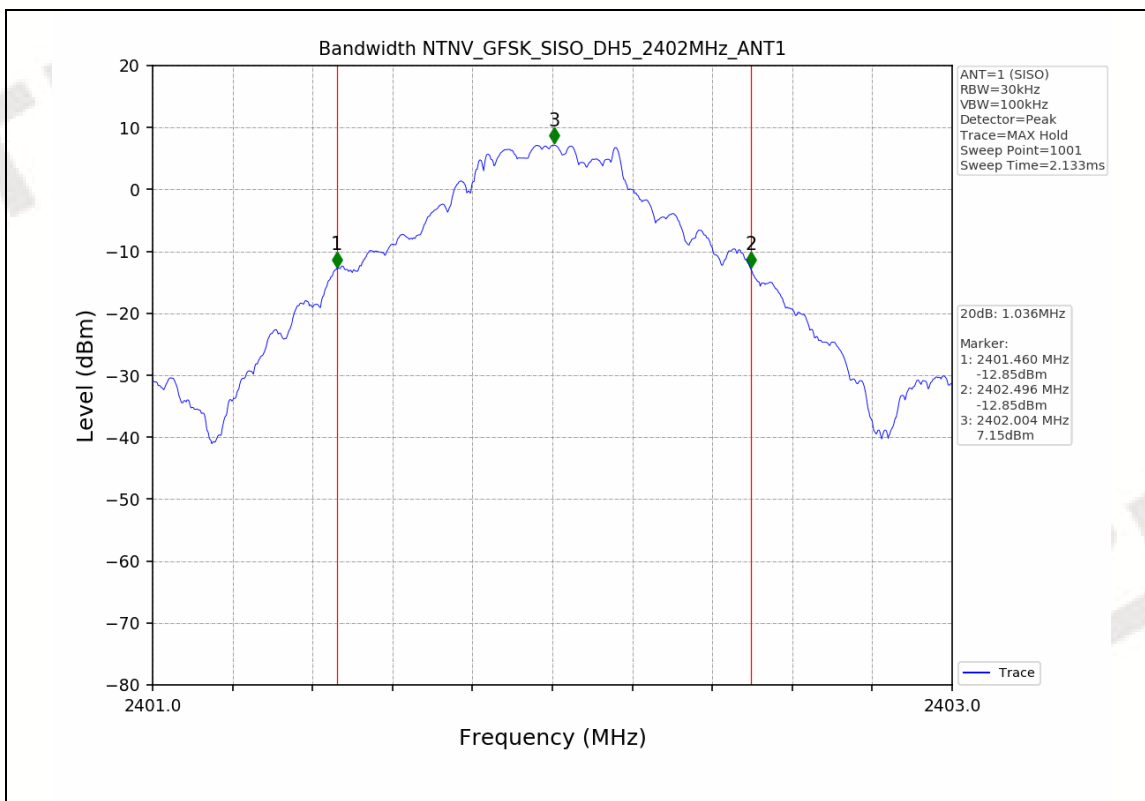
1. Bandwidth

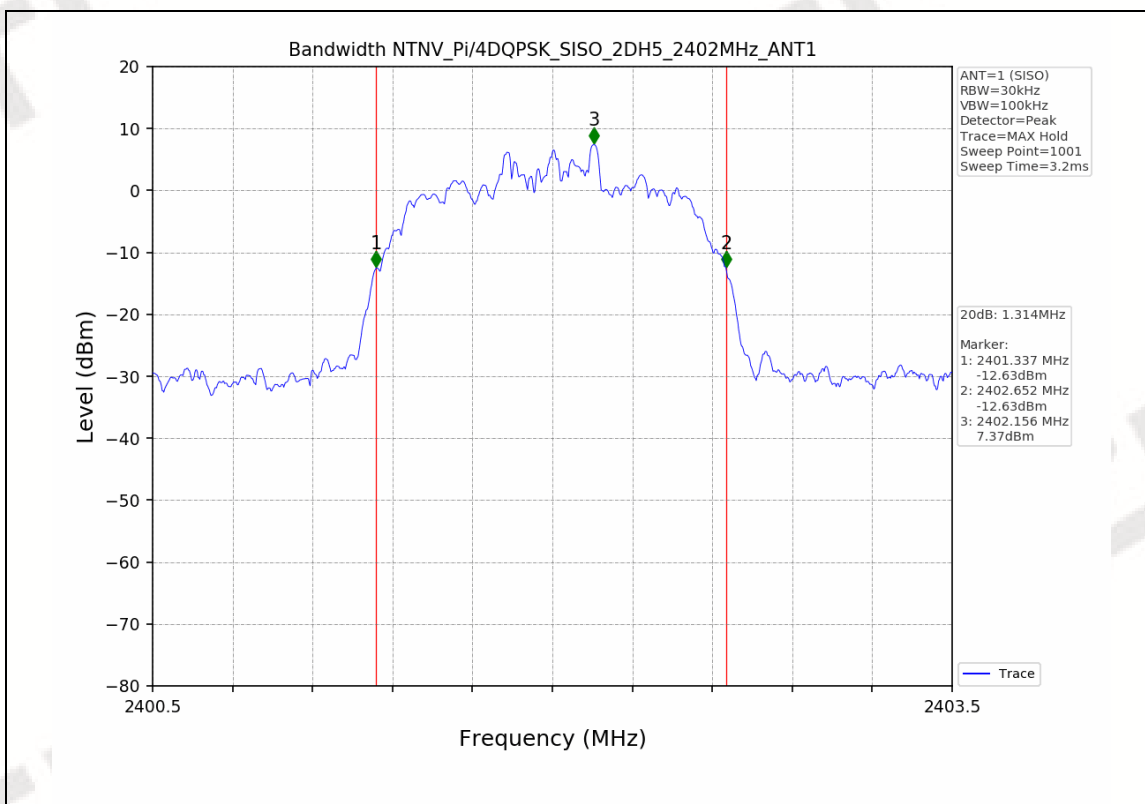
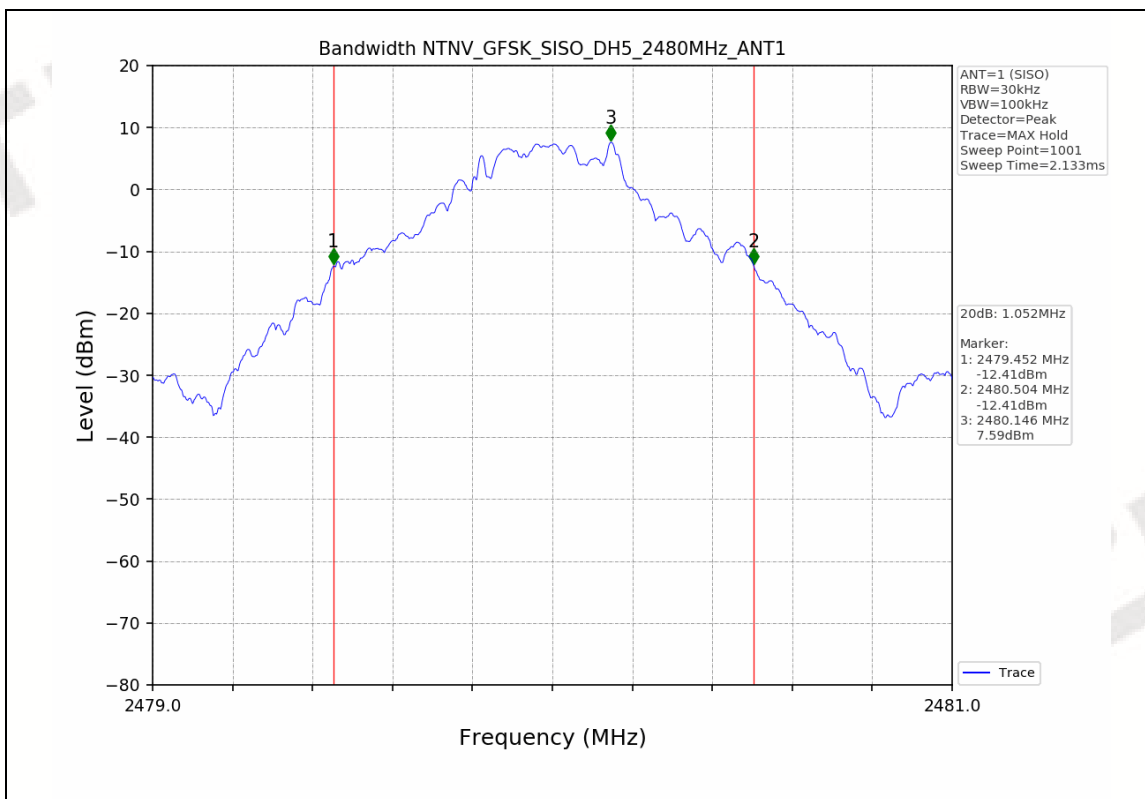
1.1 Test Result

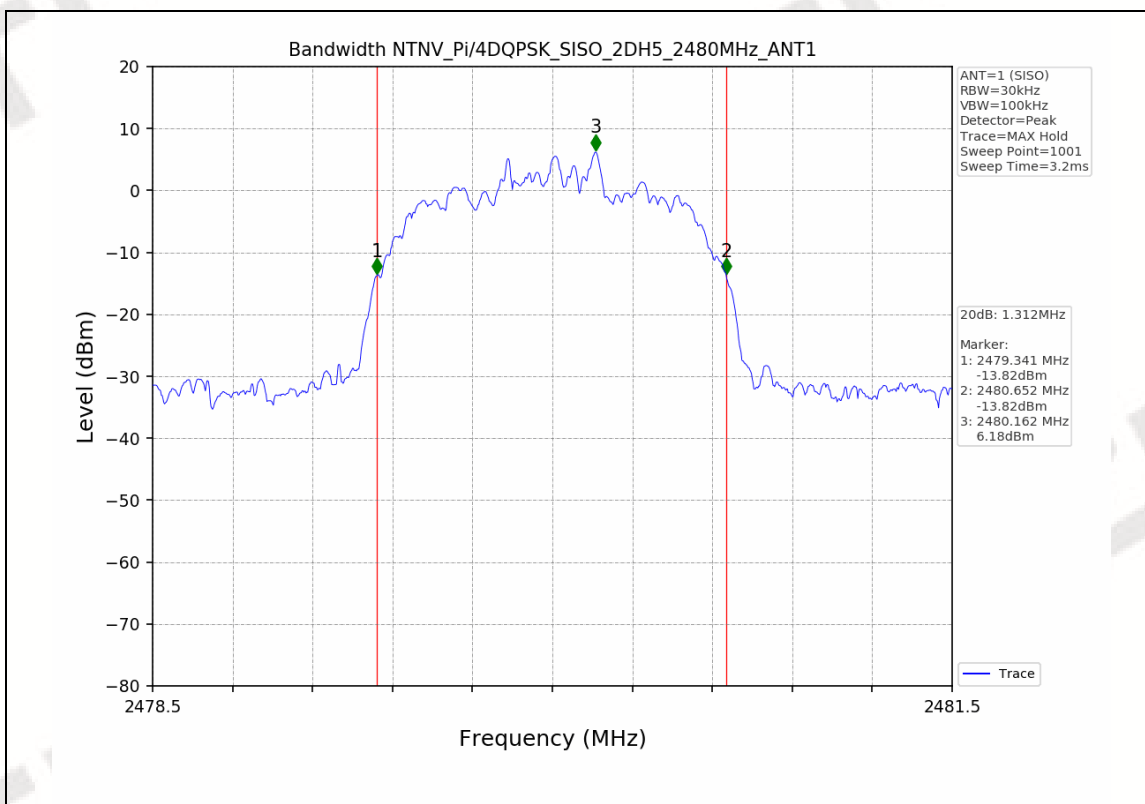
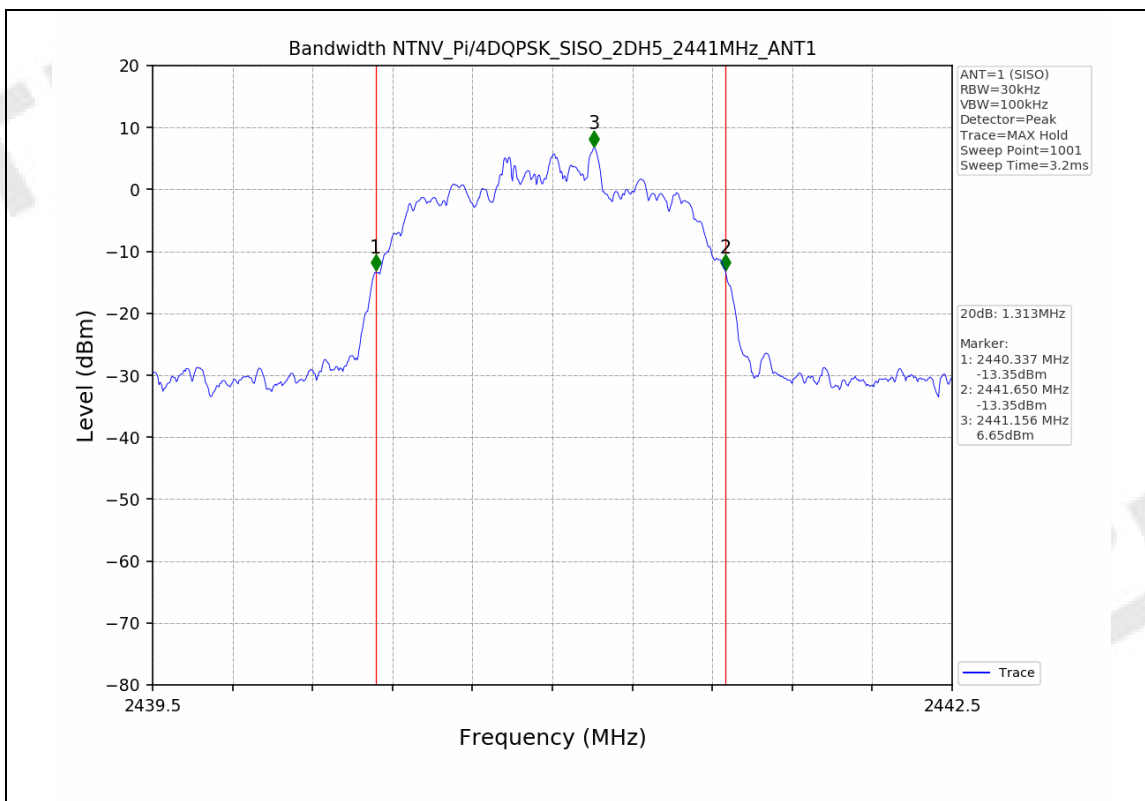
Test Mode	Frequency (MHz)	TX Type	ANT No.	20dB Bandwidth	Verdict
				Test Result (MHz)	
GFSK	2402	SISO	1	1.036	PASS
	2441	SISO	1	1.050	PASS
	2480	SISO	1	1.052	PASS
Pi/4DQPSK	2402	SISO	1	1.314	PASS
	2441	SISO	1	1.313	PASS
	2480	SISO	1	1.312	PASS
8DPSK	2402	SISO	1	1.310	PASS
	2441	SISO	1	1.295	PASS
	2480	SISO	1	1.300	PASS

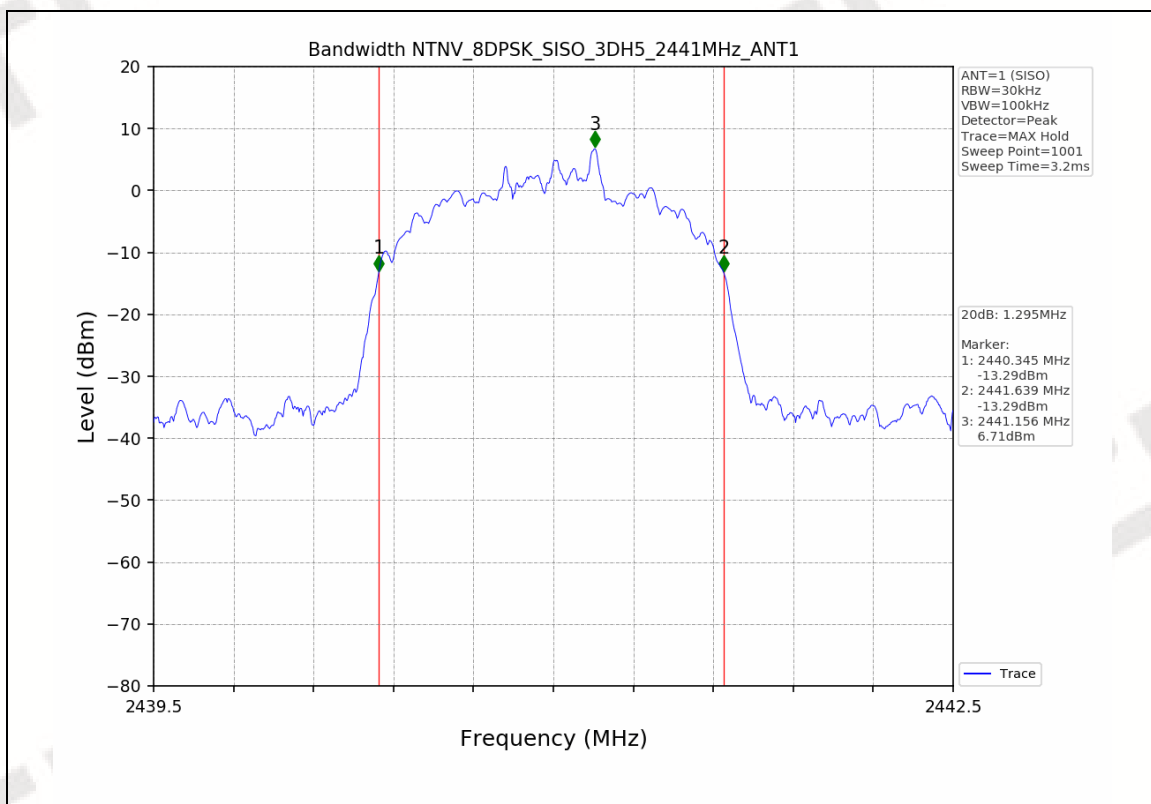
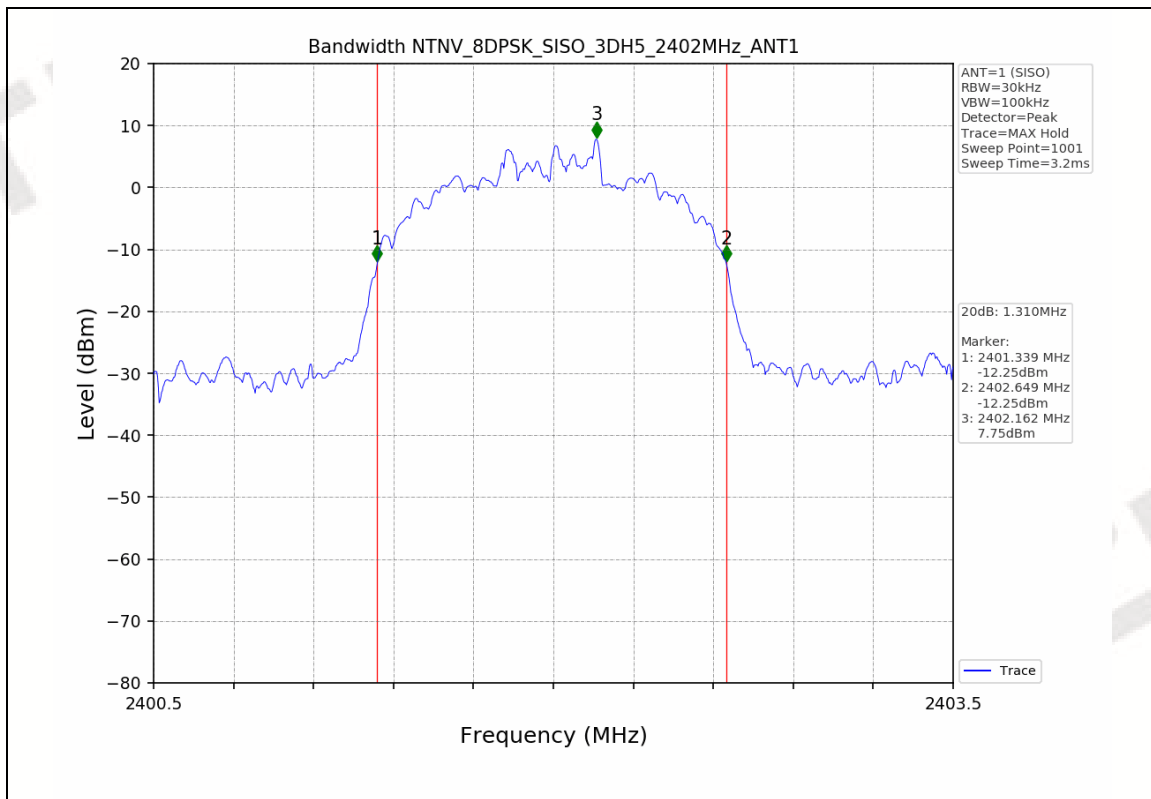
Test Mode	Frequency (MHz)	TX Type	ANT No.	99% Occupied Bandwidth	
				Test Result (MHz)	
GFSK	2402	SISO	1	0.905	Only for Report Use
	2441	SISO	1	0.925	Only for Report Use
	2480	SISO	1	0.926	Only for Report Use
Pi/4DQPSK	2402	SISO	1	1.188	Only for Report Use
	2441	SISO	1	1.197	Only for Report Use
	2480	SISO	1	1.182	Only for Report Use
8DPSK	2402	SISO	1	1.203	Only for Report Use
	2441	SISO	1	1.193	Only for Report Use
	2480	SISO	1	1.193	Only for Report Use

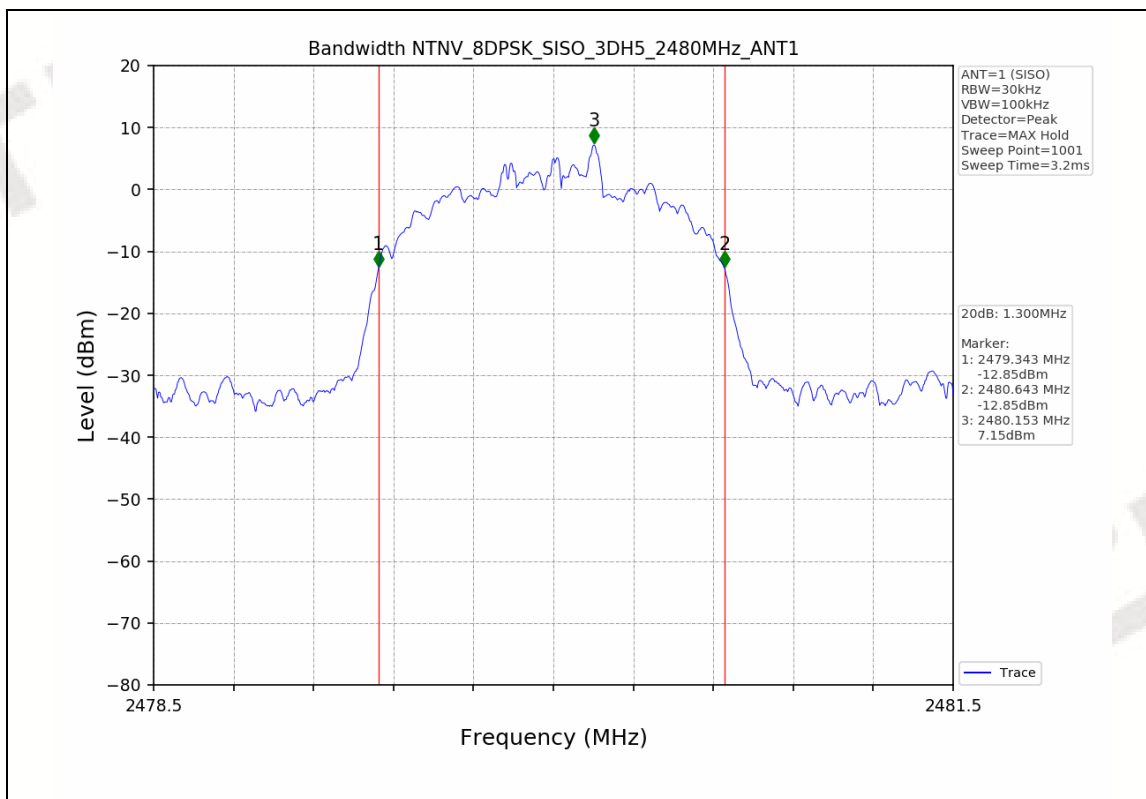
1.2 Test Graph - 20dB Bandwidth



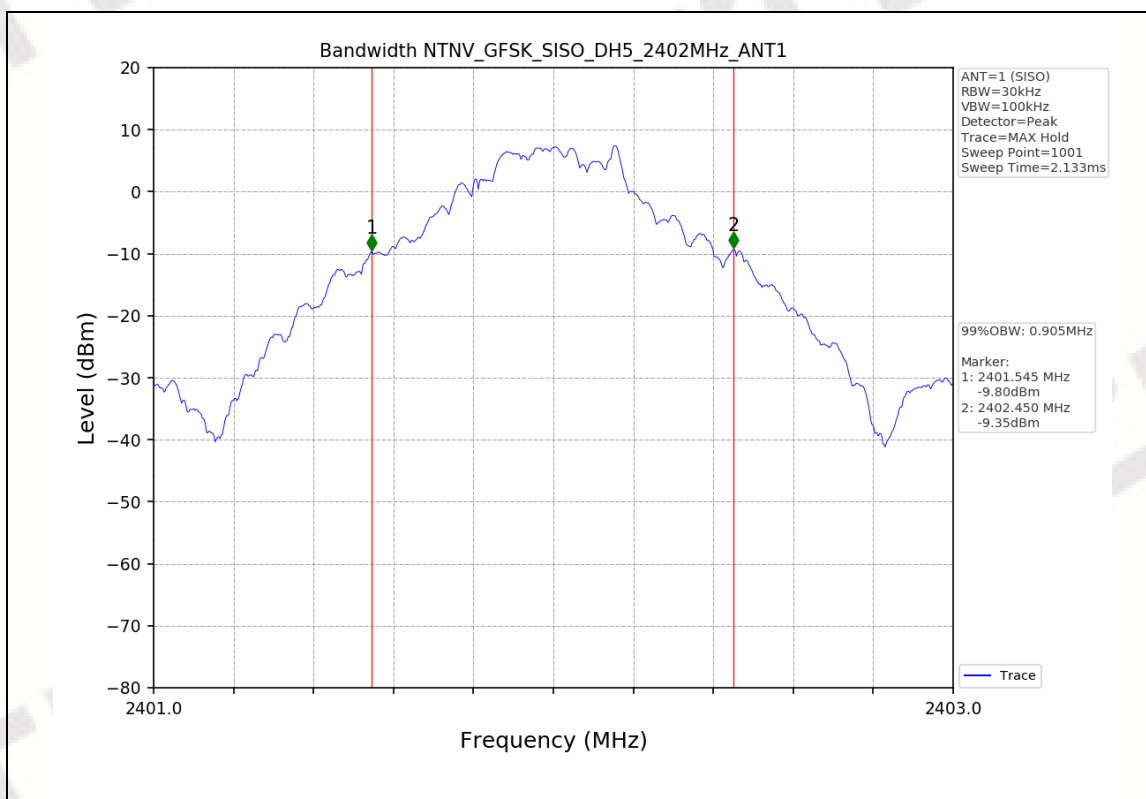


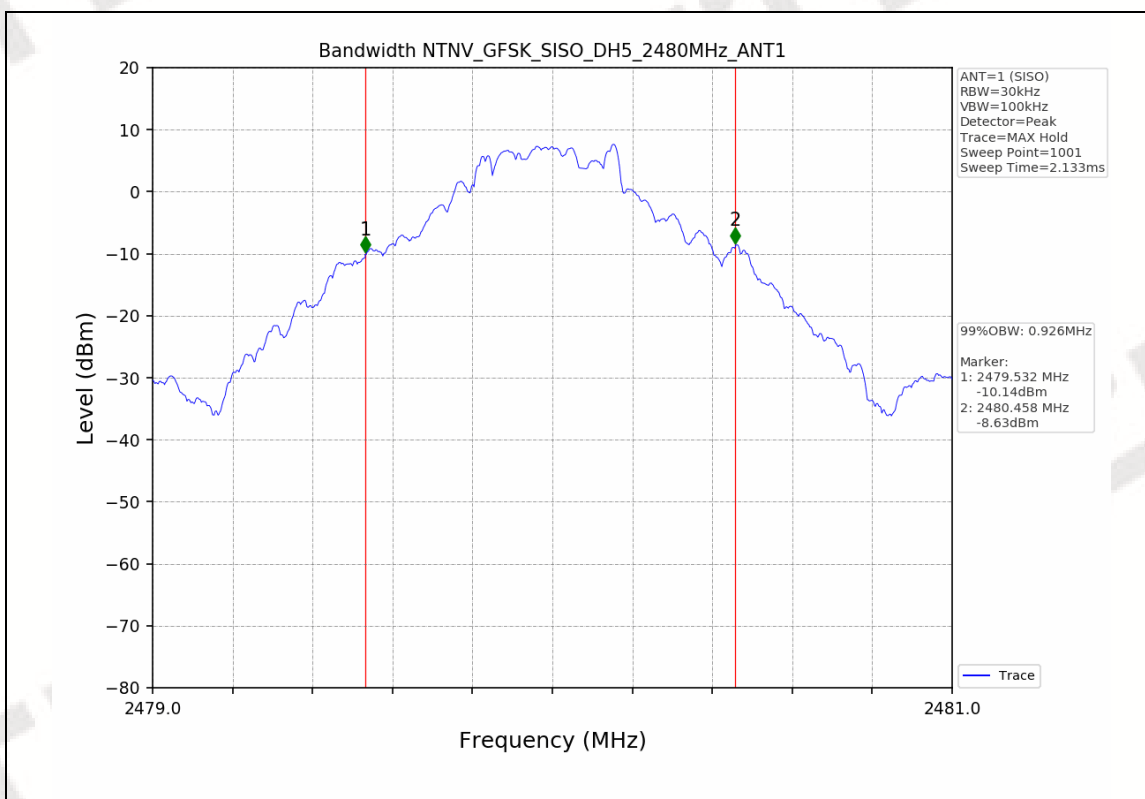
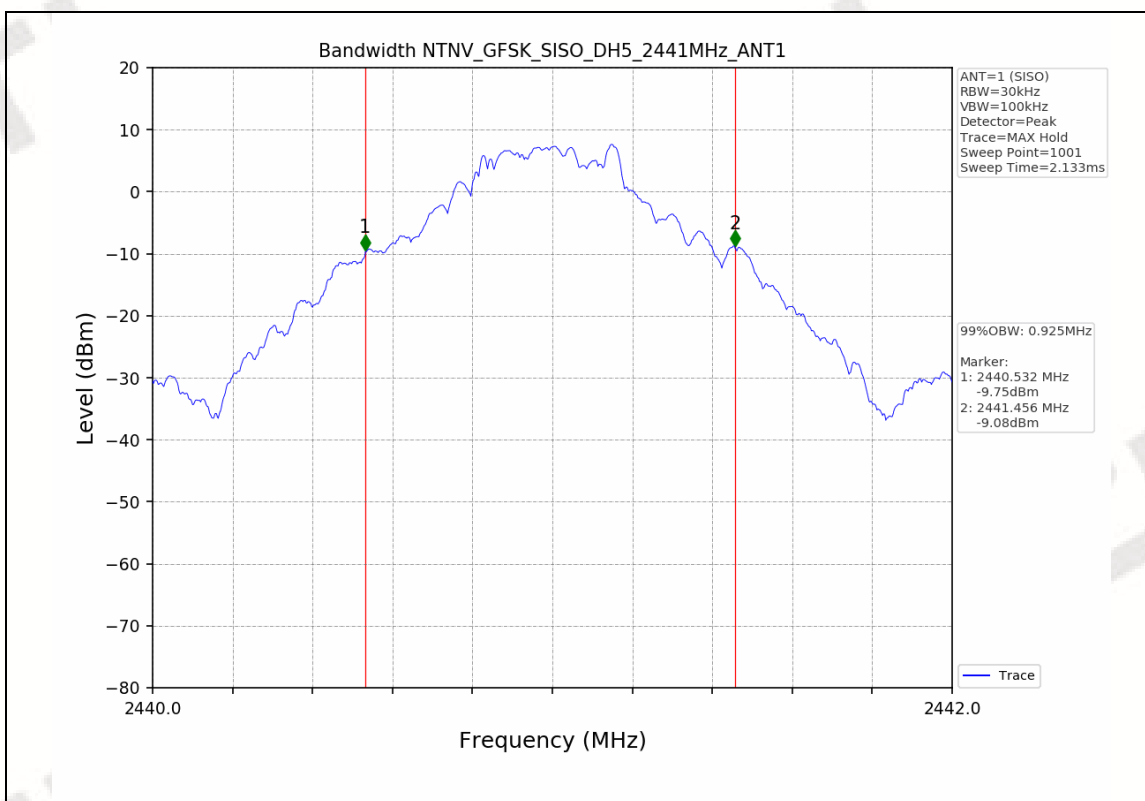


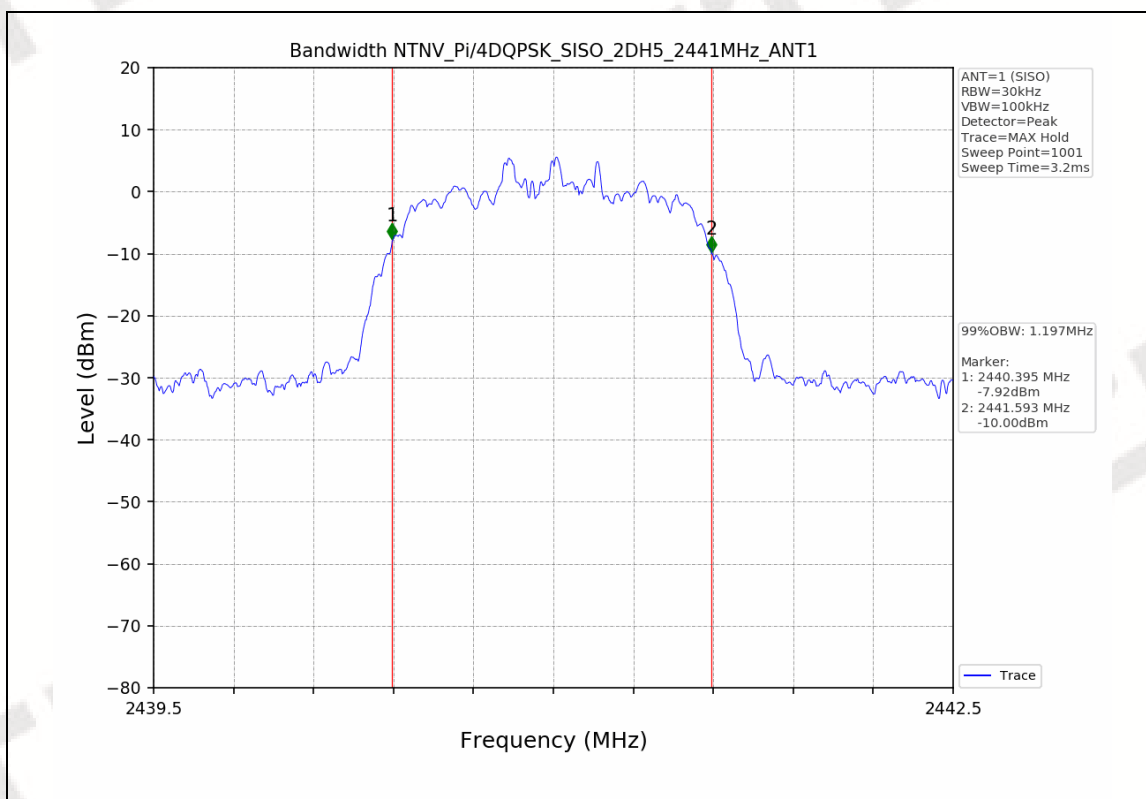
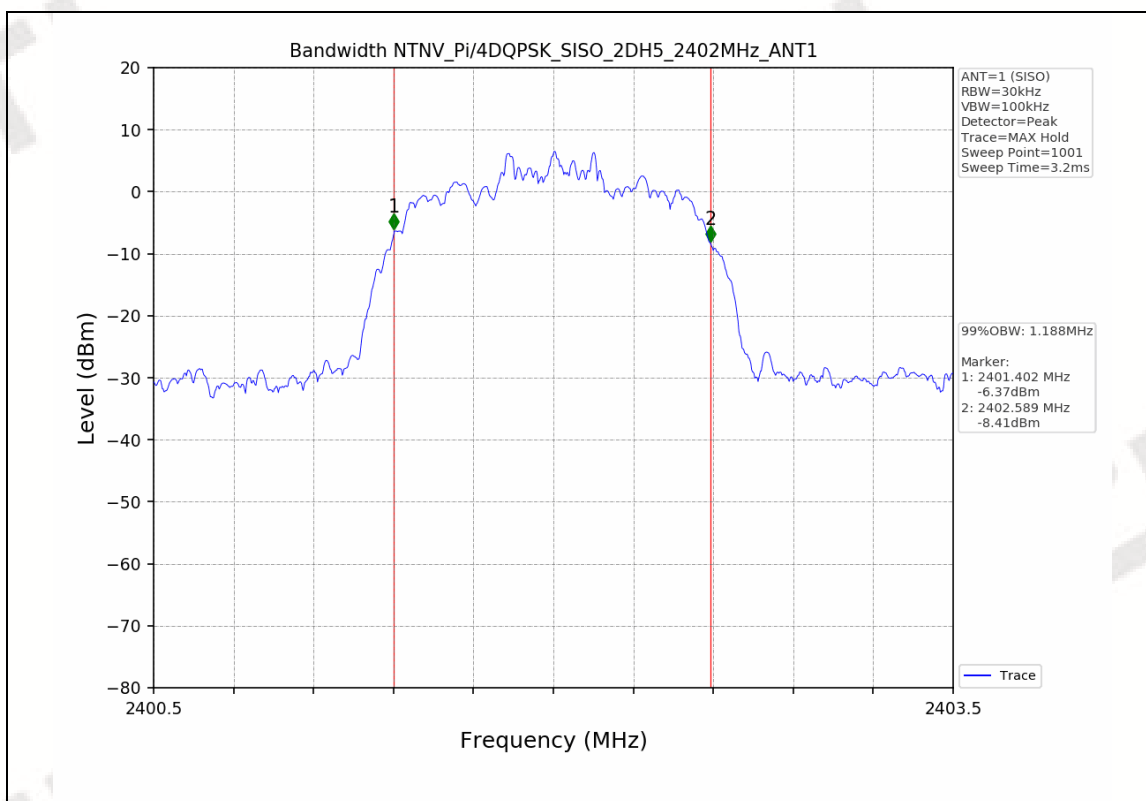


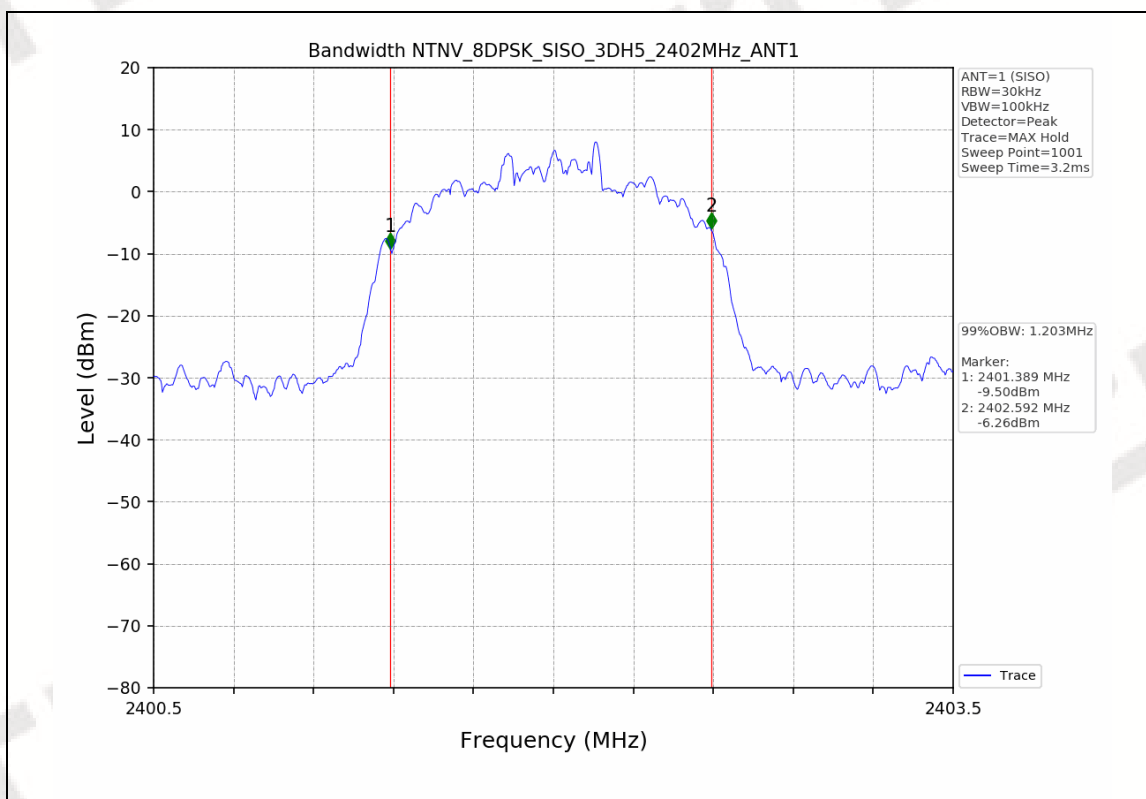
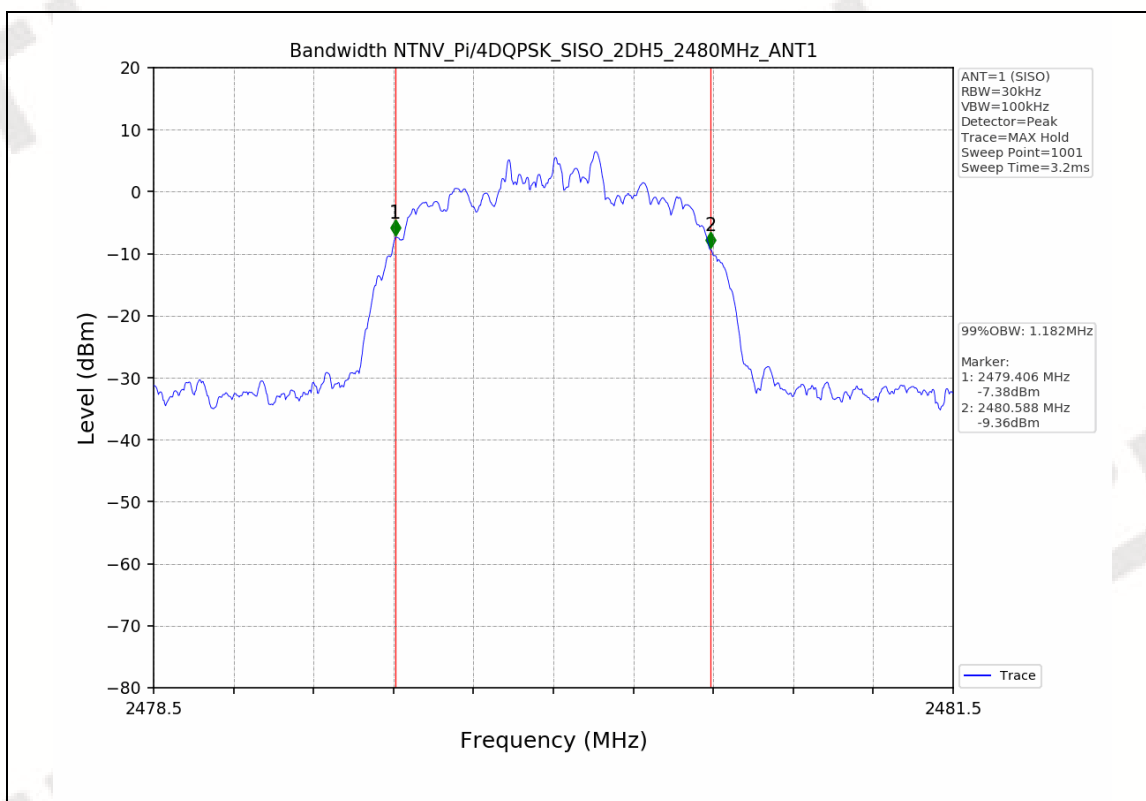


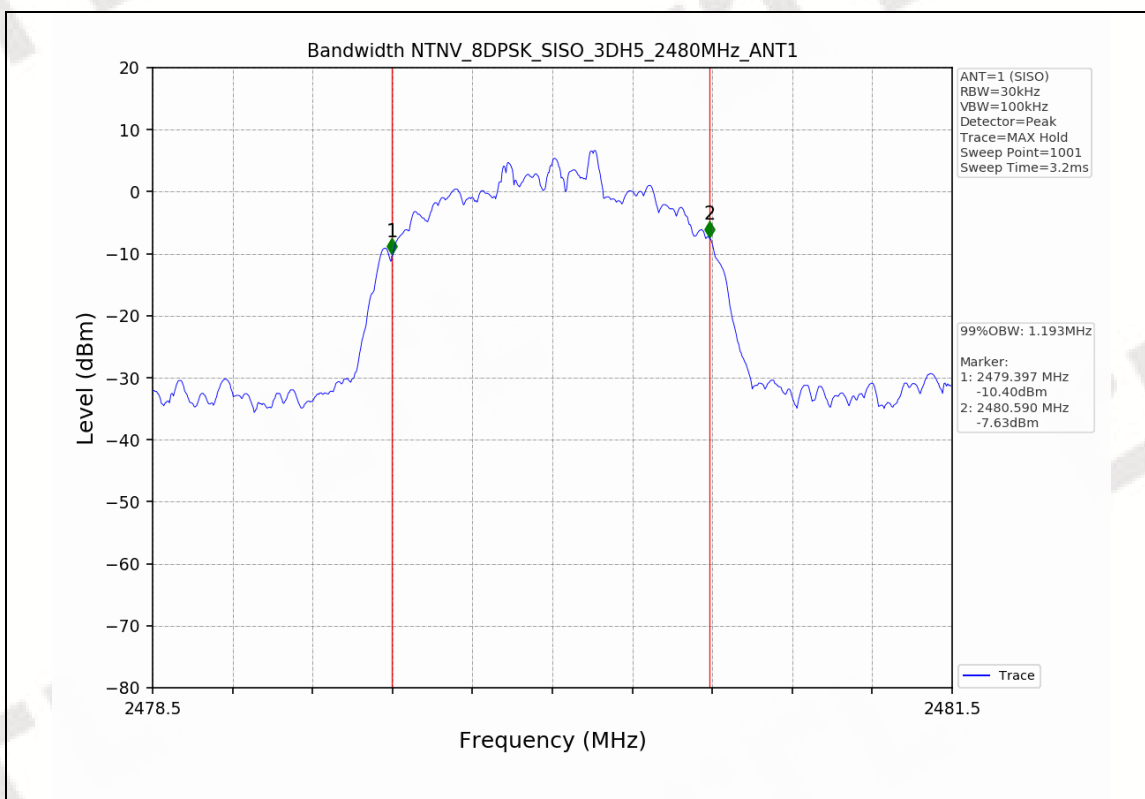
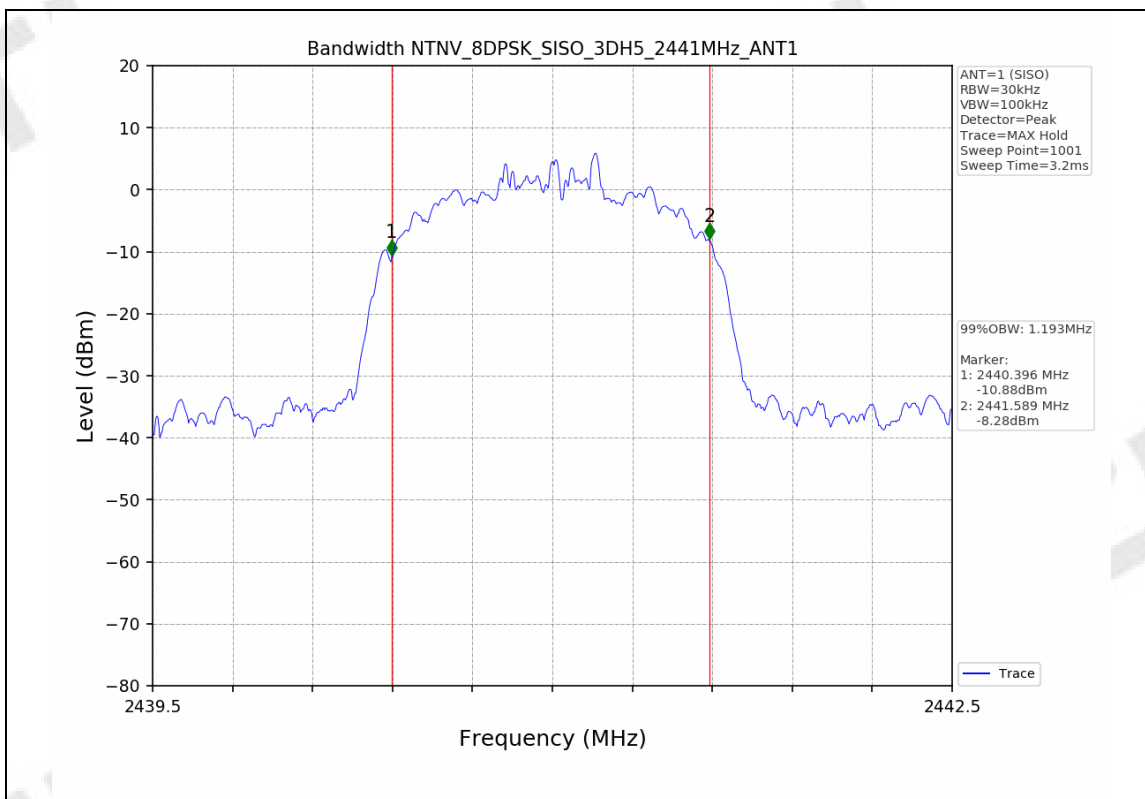
1.3 Test Graph - 99% Occupied Bandwidth









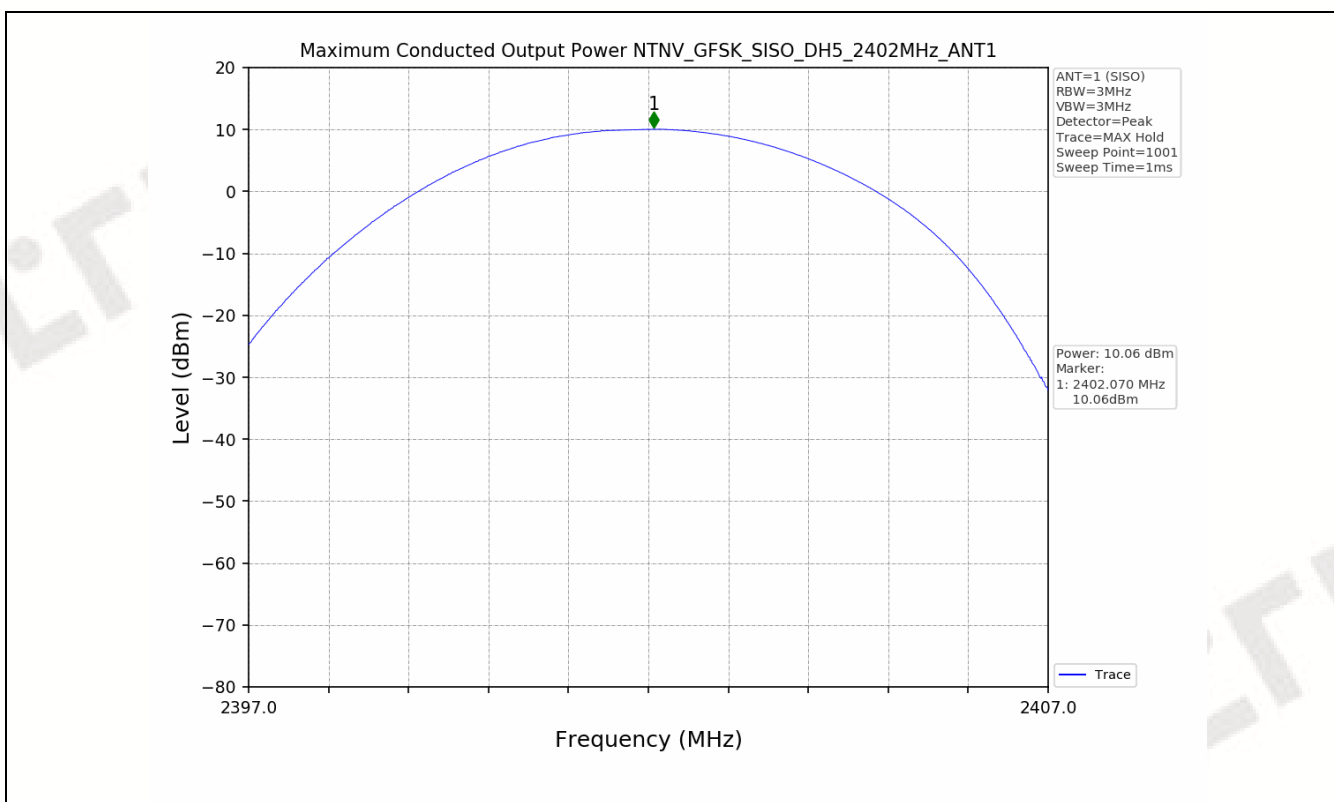


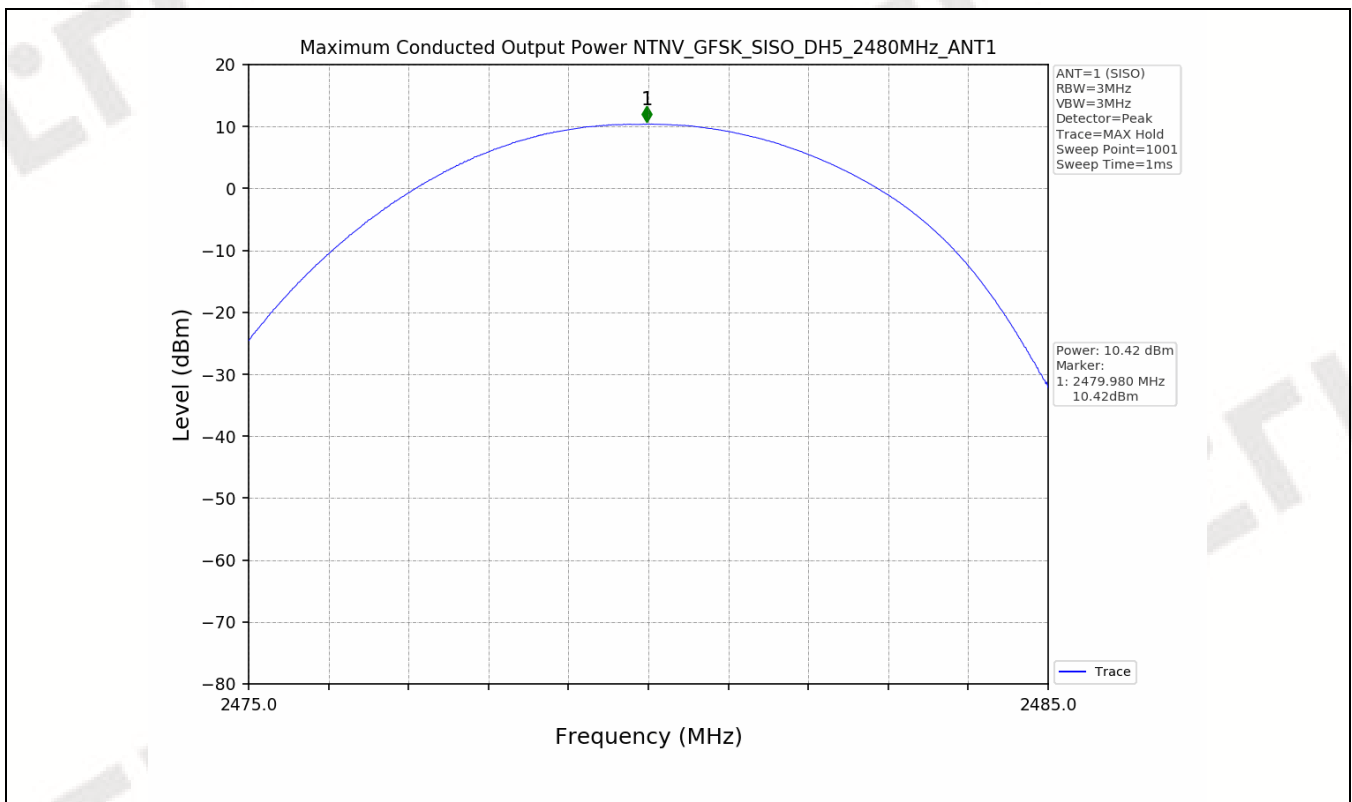
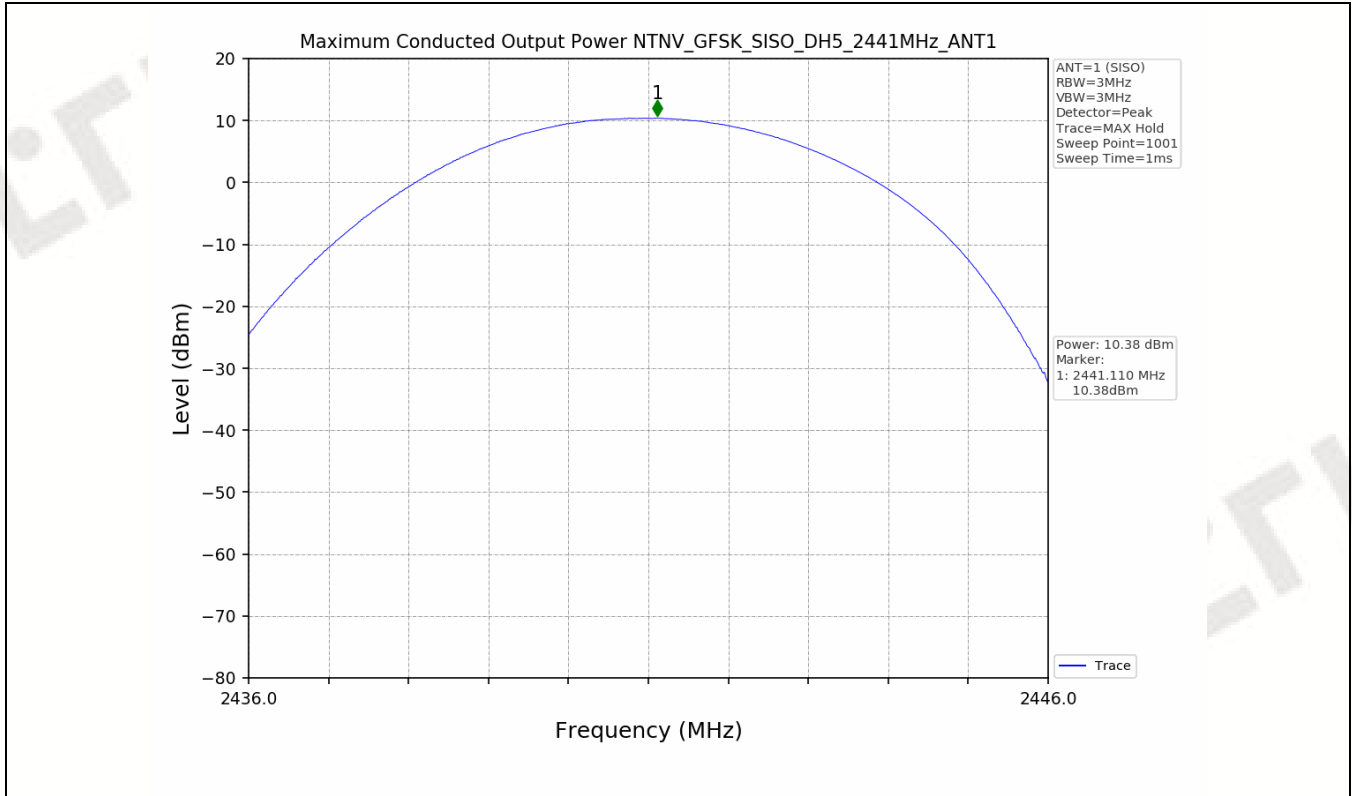
2. Maximum Conducted Output Power

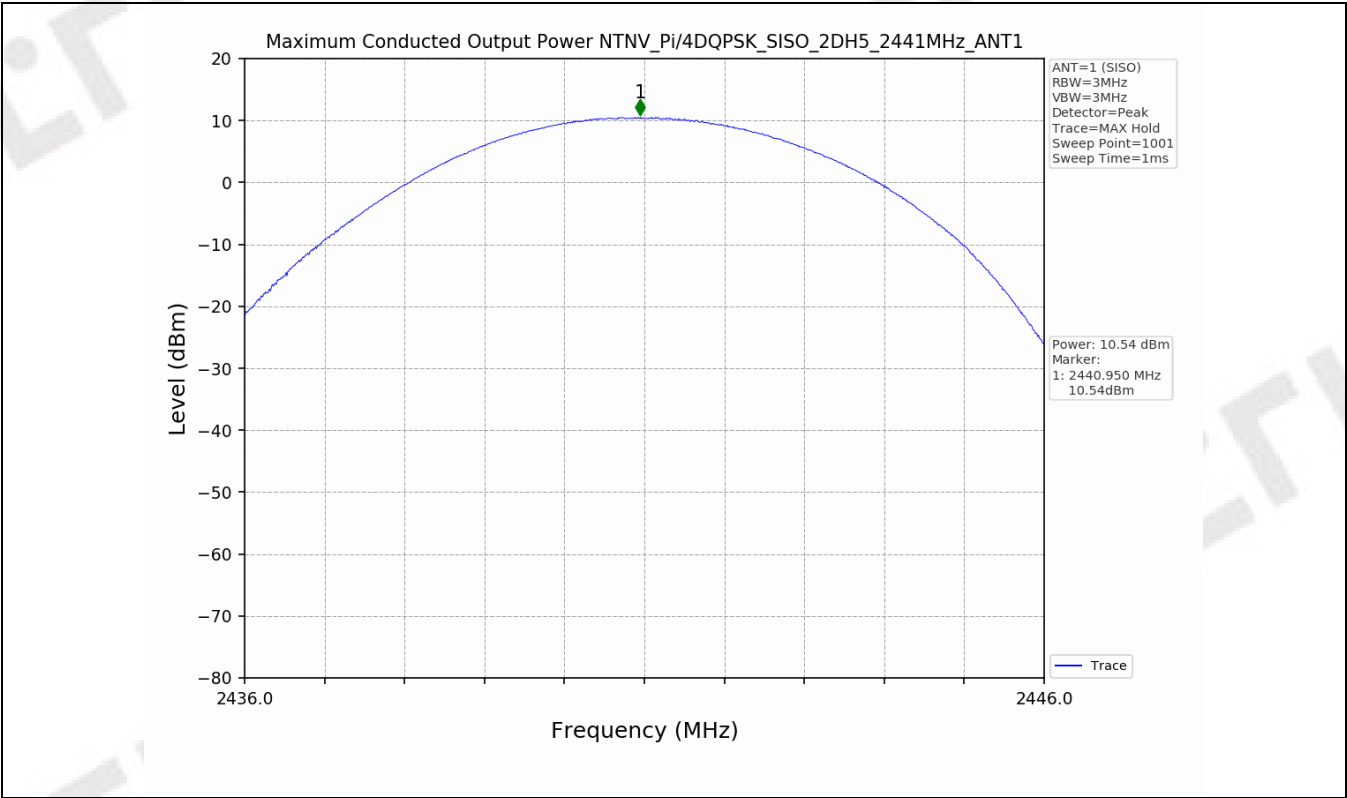
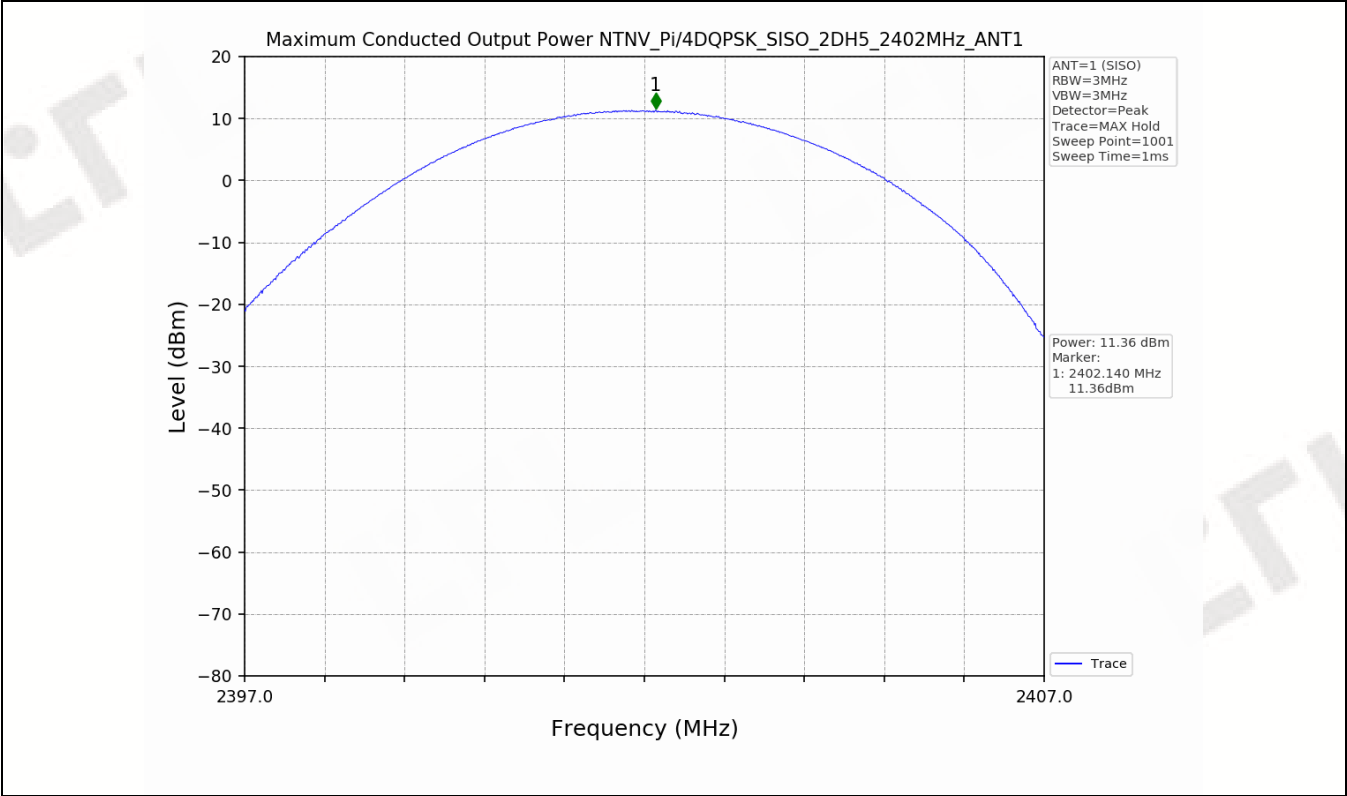
2.1 Test Result

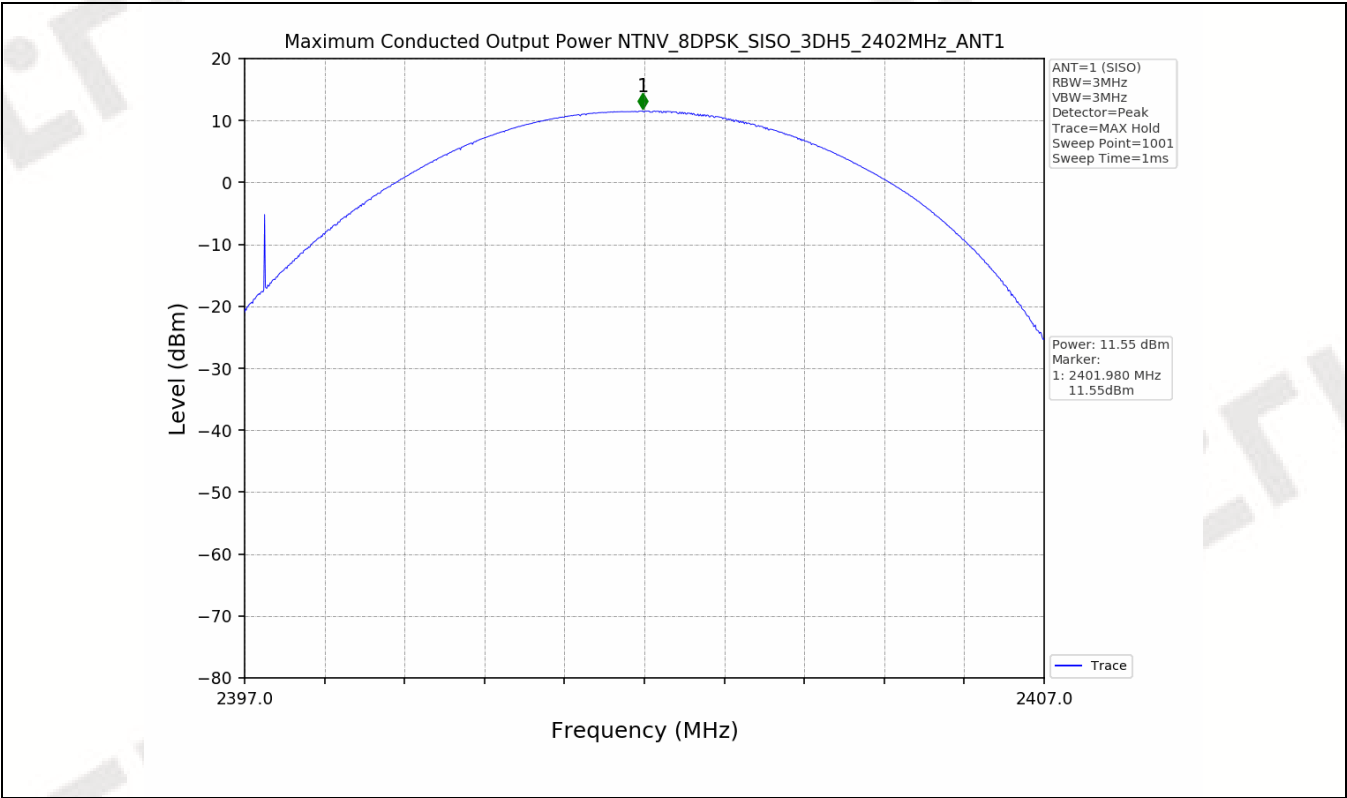
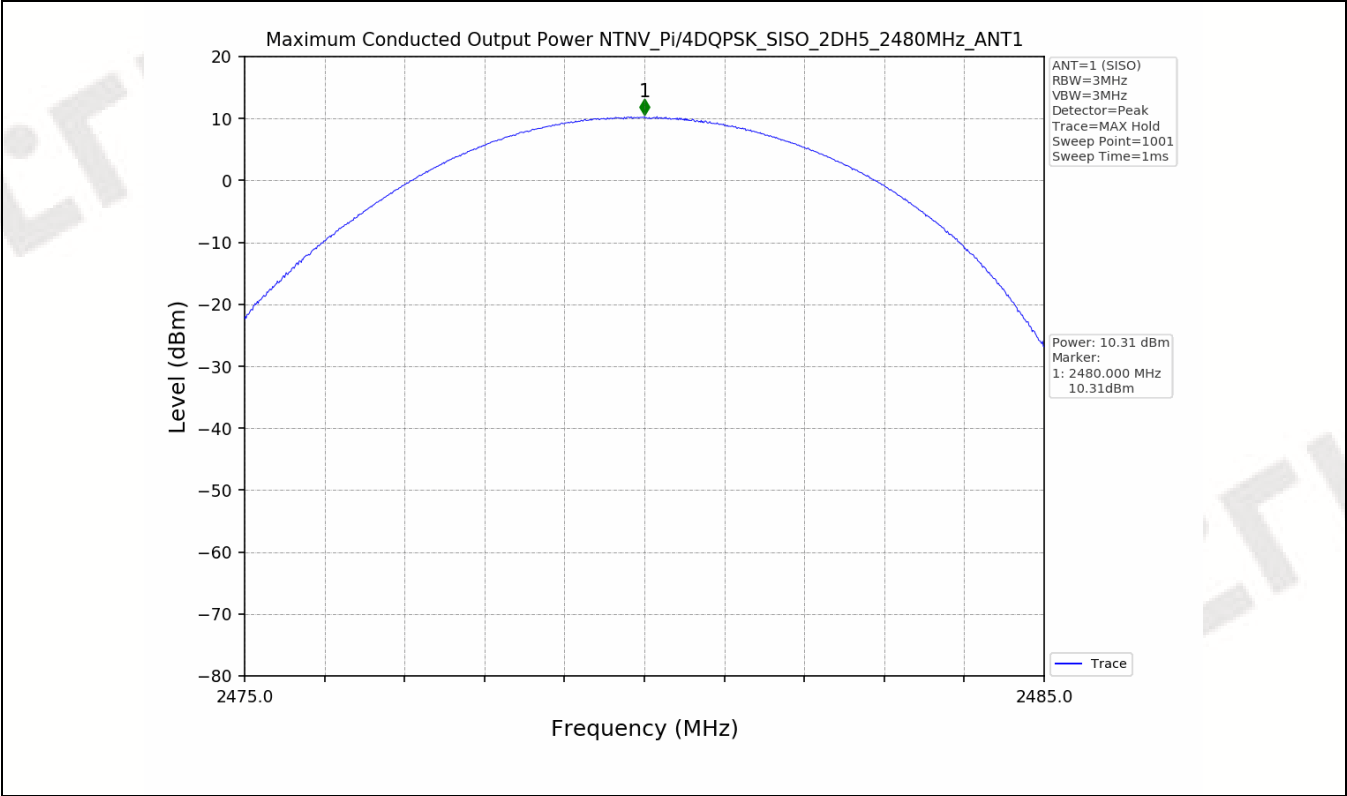
Test Mode	Frequency (MHz)	Tx Type	Measured Peak Output Power (dBm)	Limits (dBm)	Verdict
			Ant 1		
GFSK	2402	SISO	10.06	20.97	PASS
	2441	SISO	10.38	20.97	PASS
	2480	SISO	10.42	20.97	PASS
Pi/4DQPSK	2402	SISO	11.36	20.97	PASS
	2441	SISO	10.54	20.97	PASS
	2480	SISO	10.31	20.97	PASS
8DPSK	2402	SISO	11.55	30	PASS
	2441	SISO	9.76	30	PASS
	2480	SISO	10.15	30	PASS

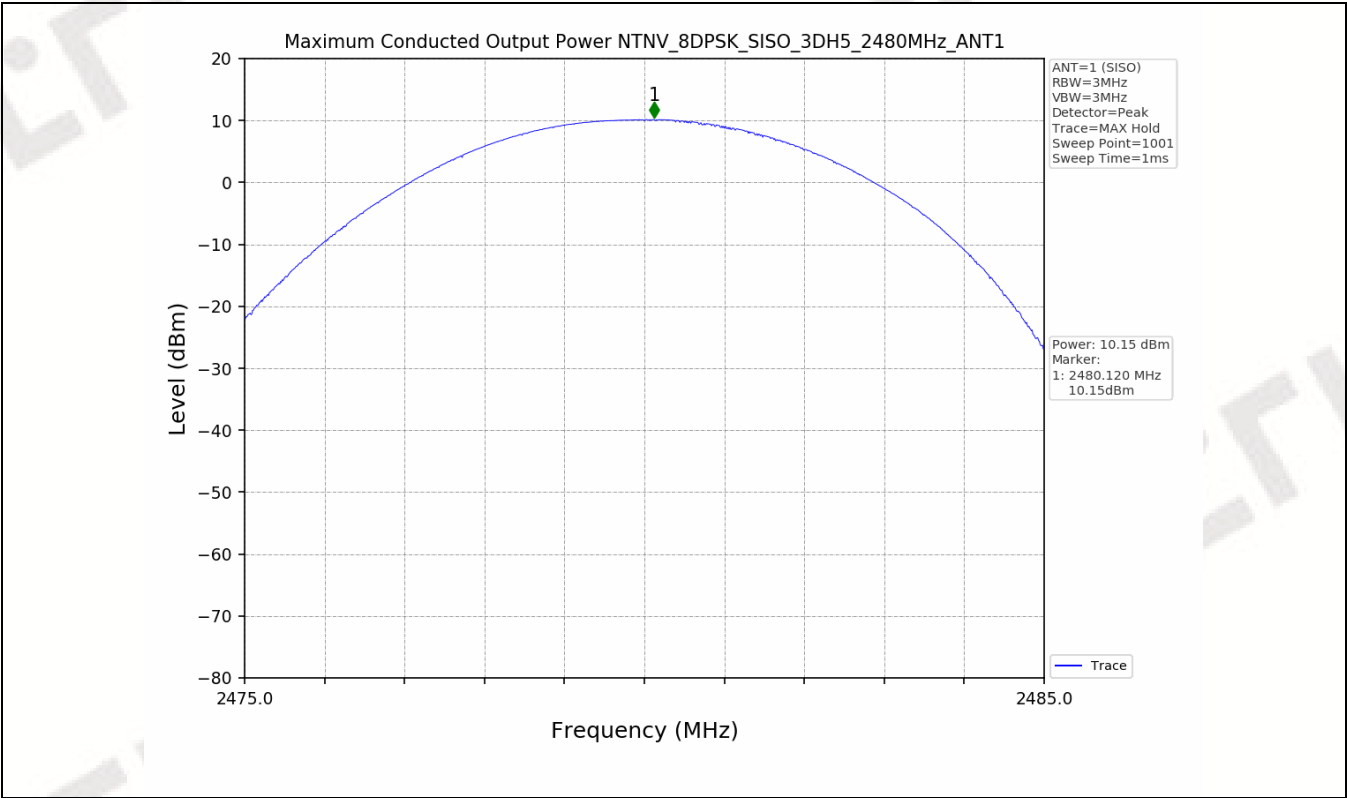
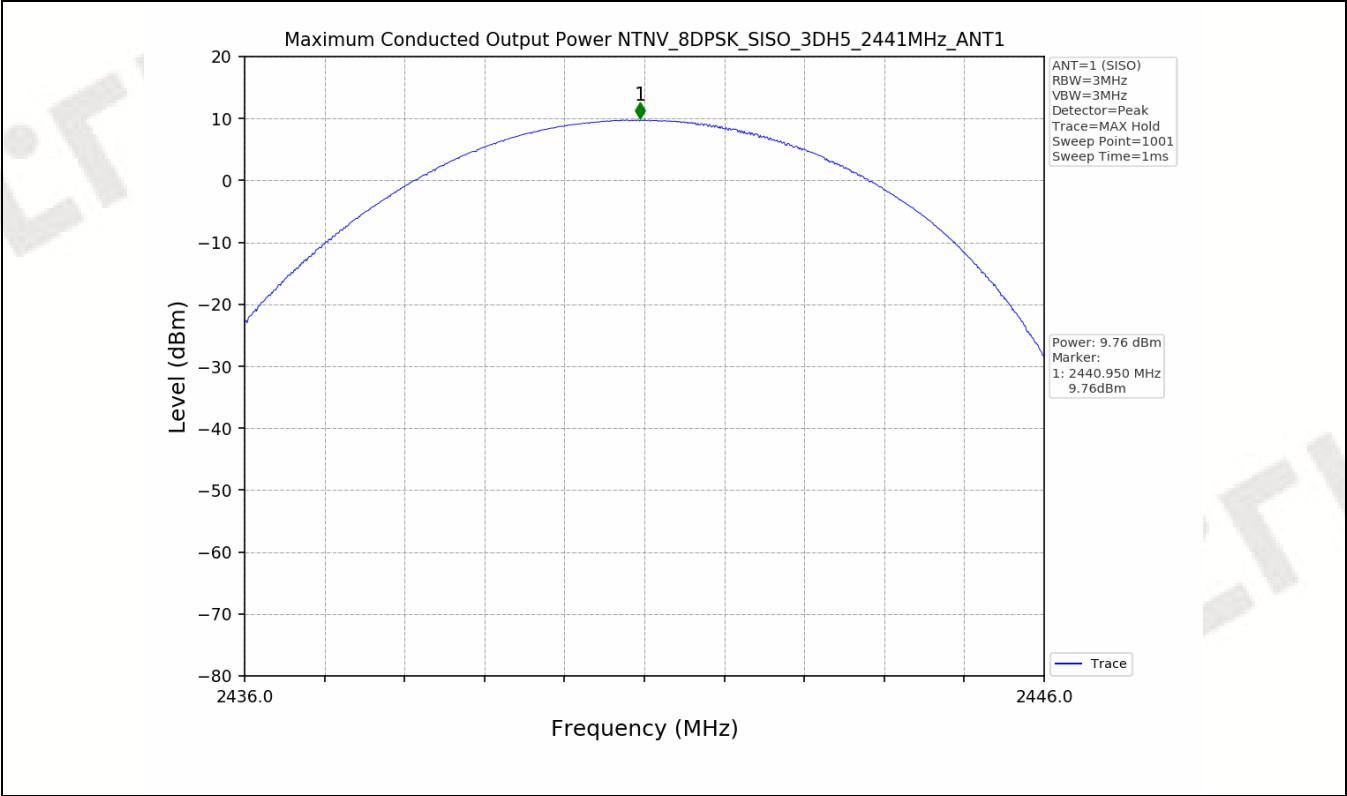
2.2 Test Graph









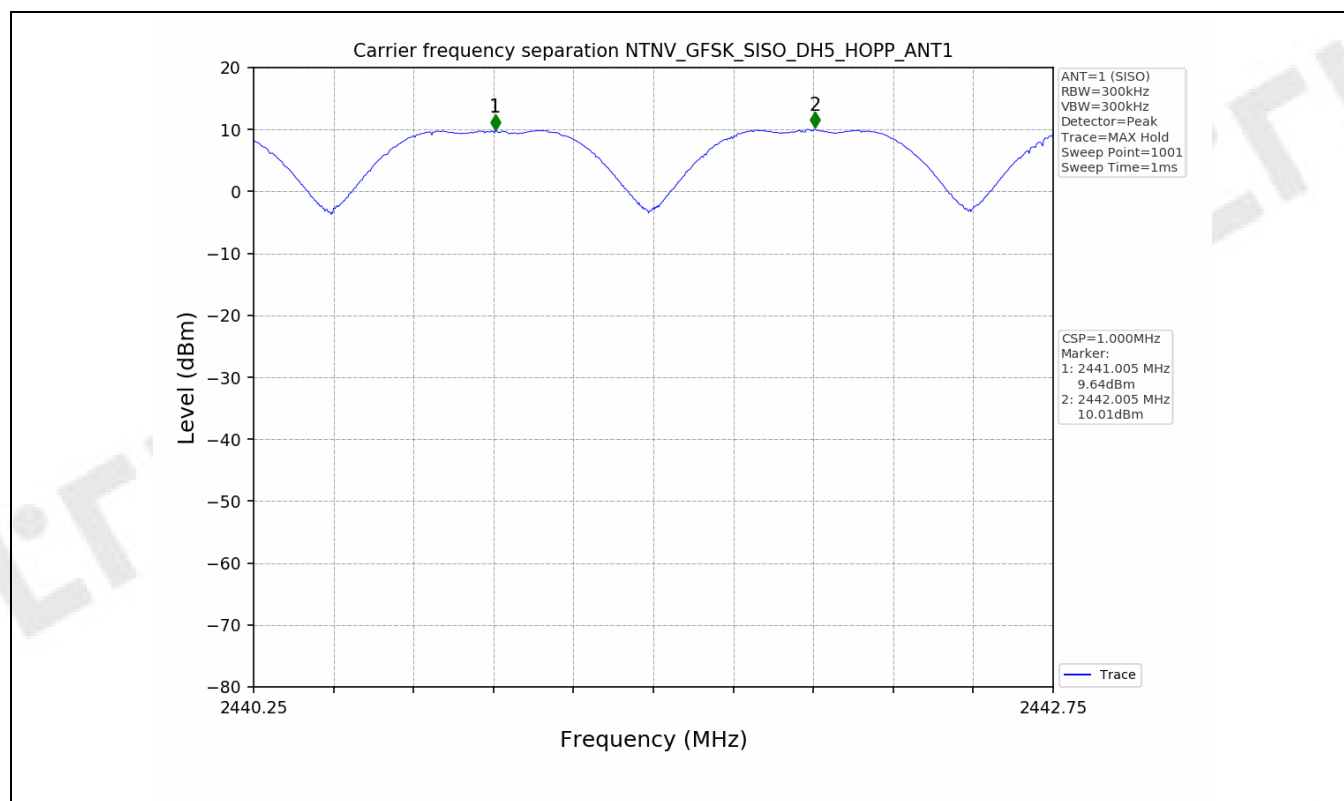


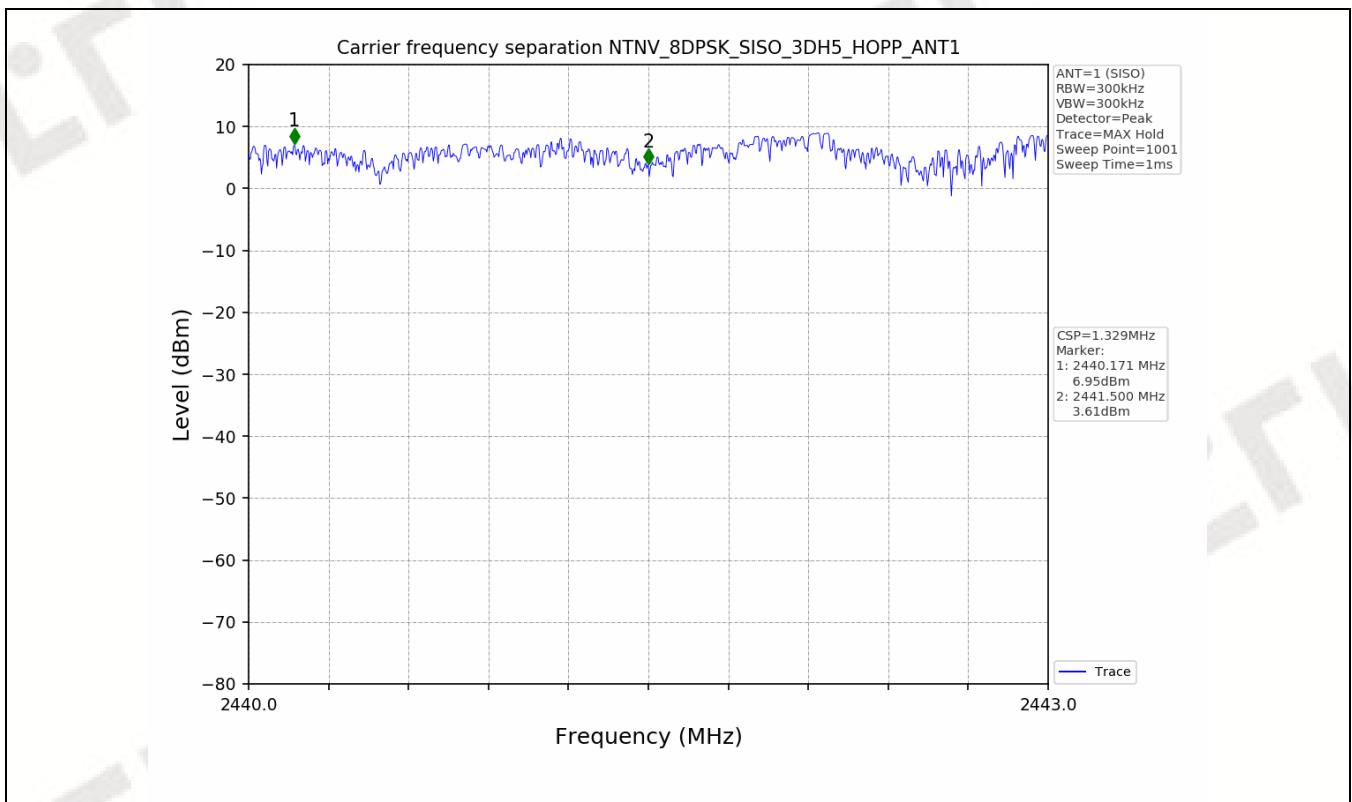
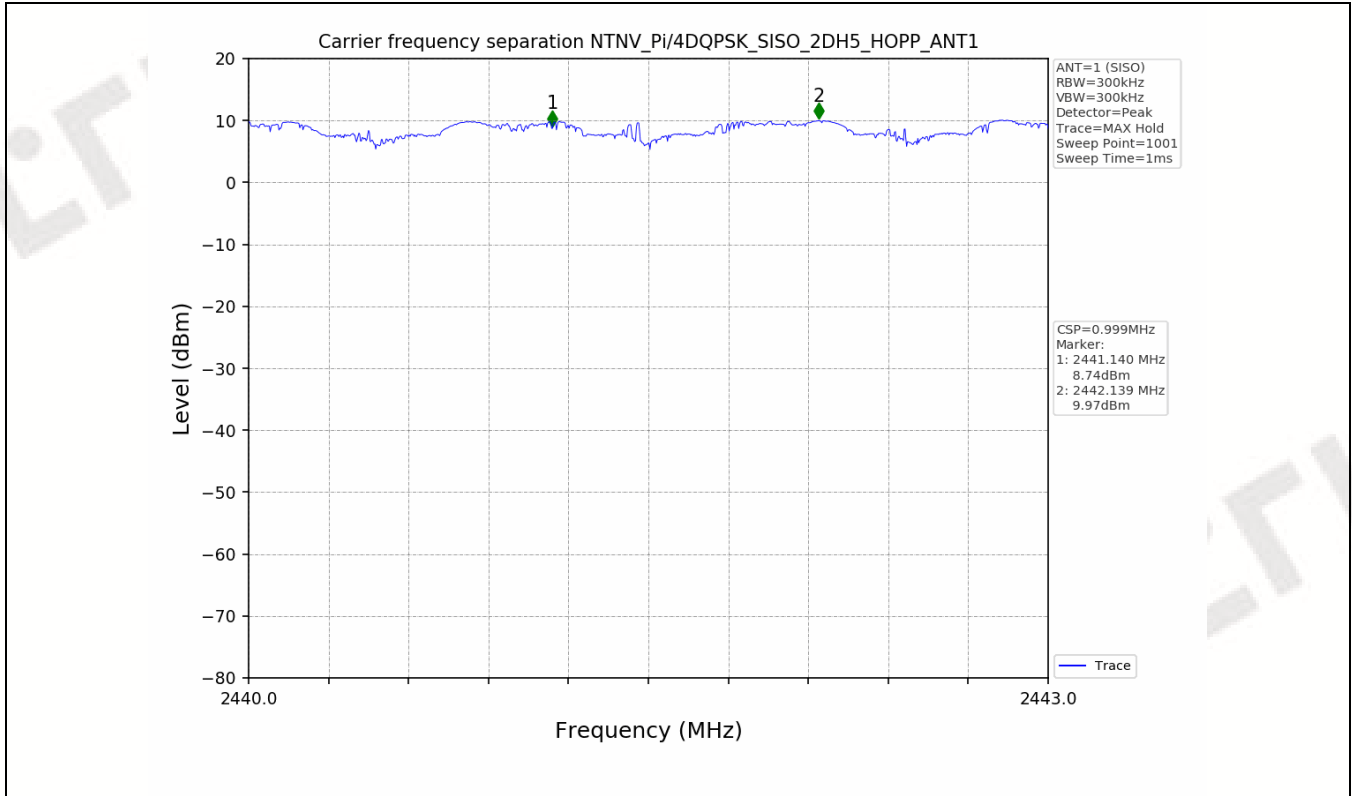
3. Carrier frequency separation

3.1 Test Result

Test Mode	TX Type	ANT No.	Channel Separation (MHz)	20dB Bandwidth (MHz)	Limits (MHz)	Verdict
GFSK	SISO	1	1.000	1.052	≥ 0.701	PASS
PI/4DQPSK	SISO	1	0.999	1.314	≥ 0.876	PASS
8DPSK	SISO	1	1.329	1.310	≥ 1.310	PASS

3.2 Test Graph



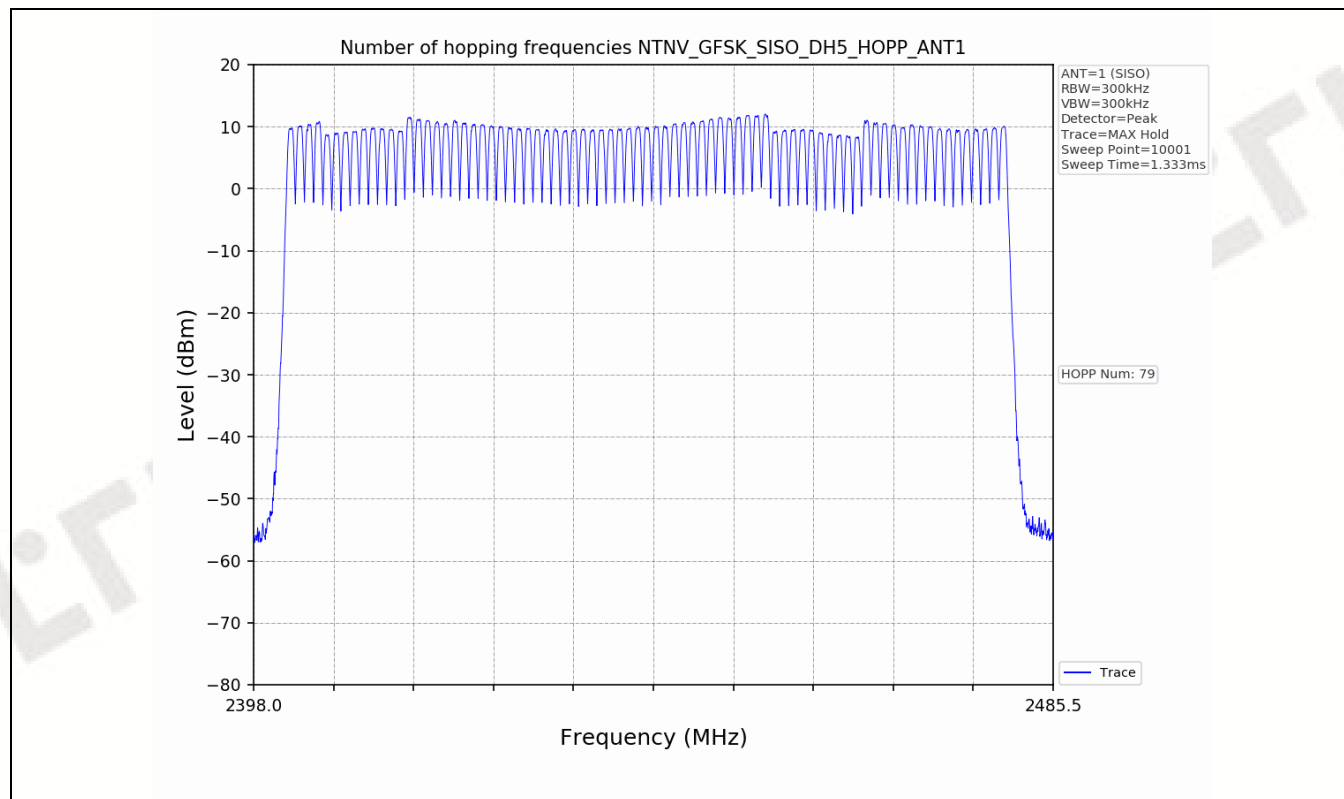


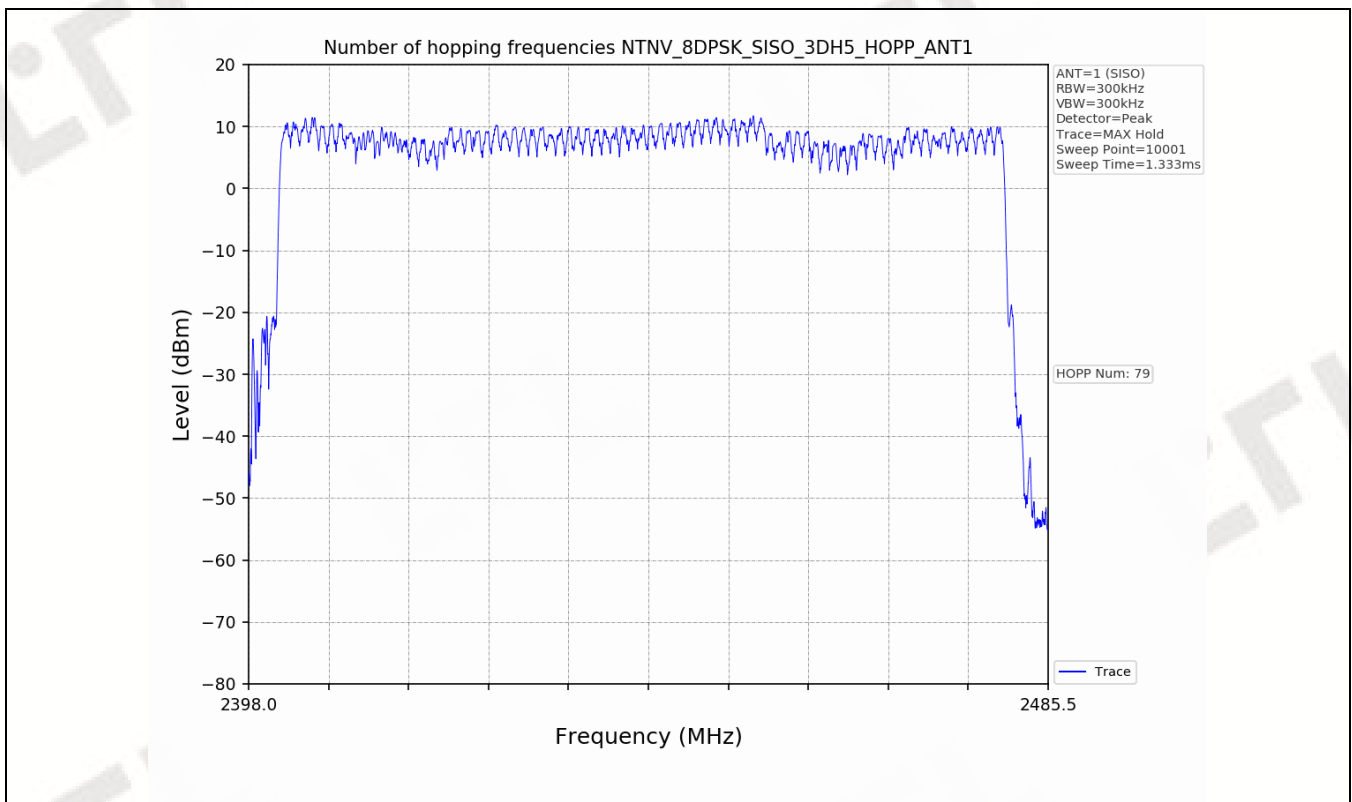
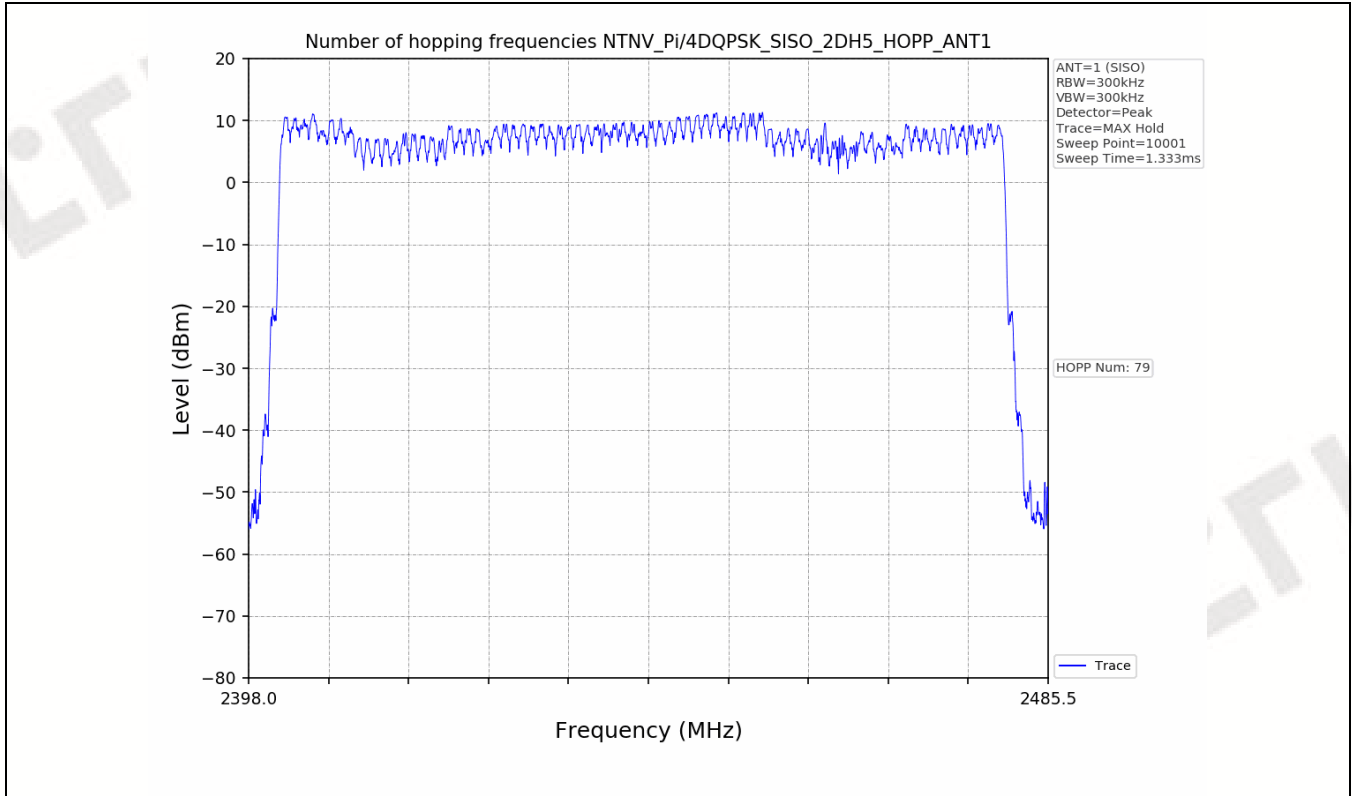
4. Number of hopping frequencies

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



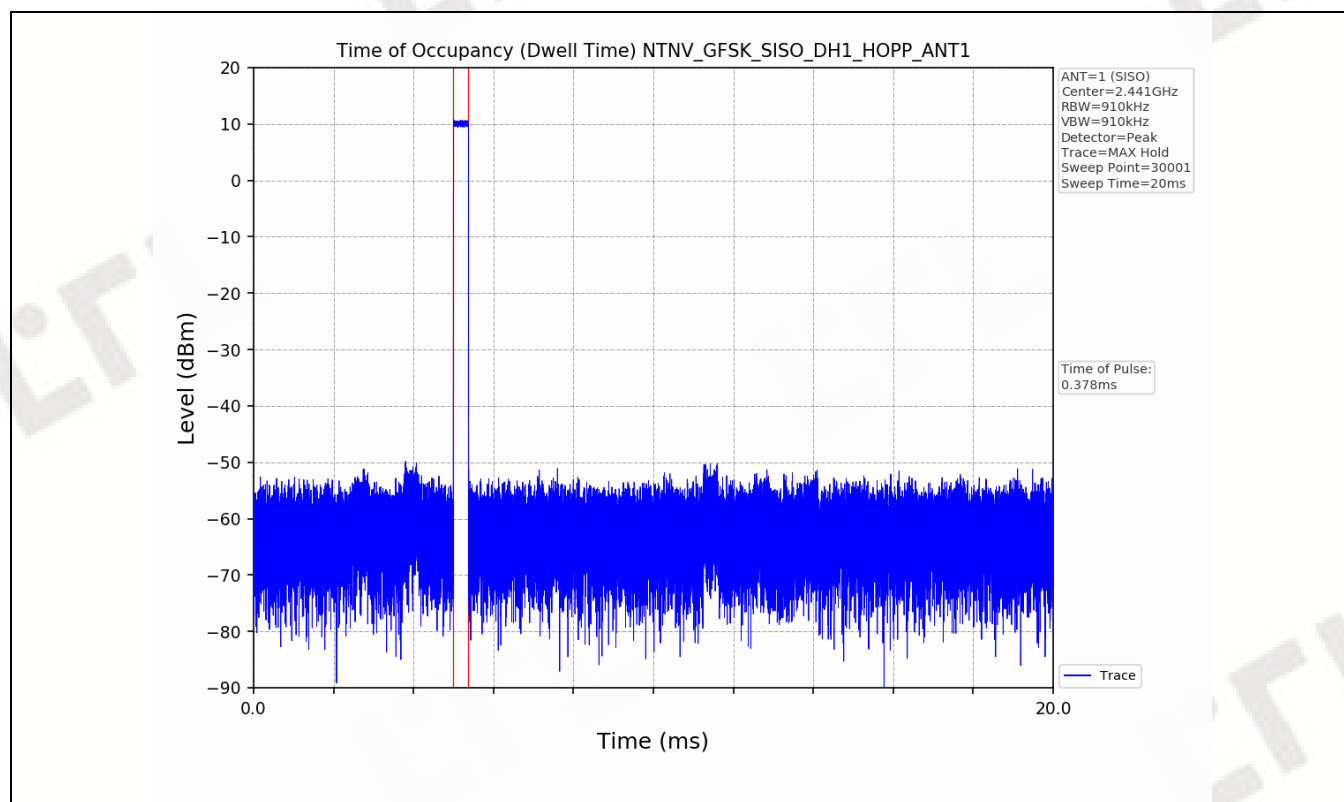


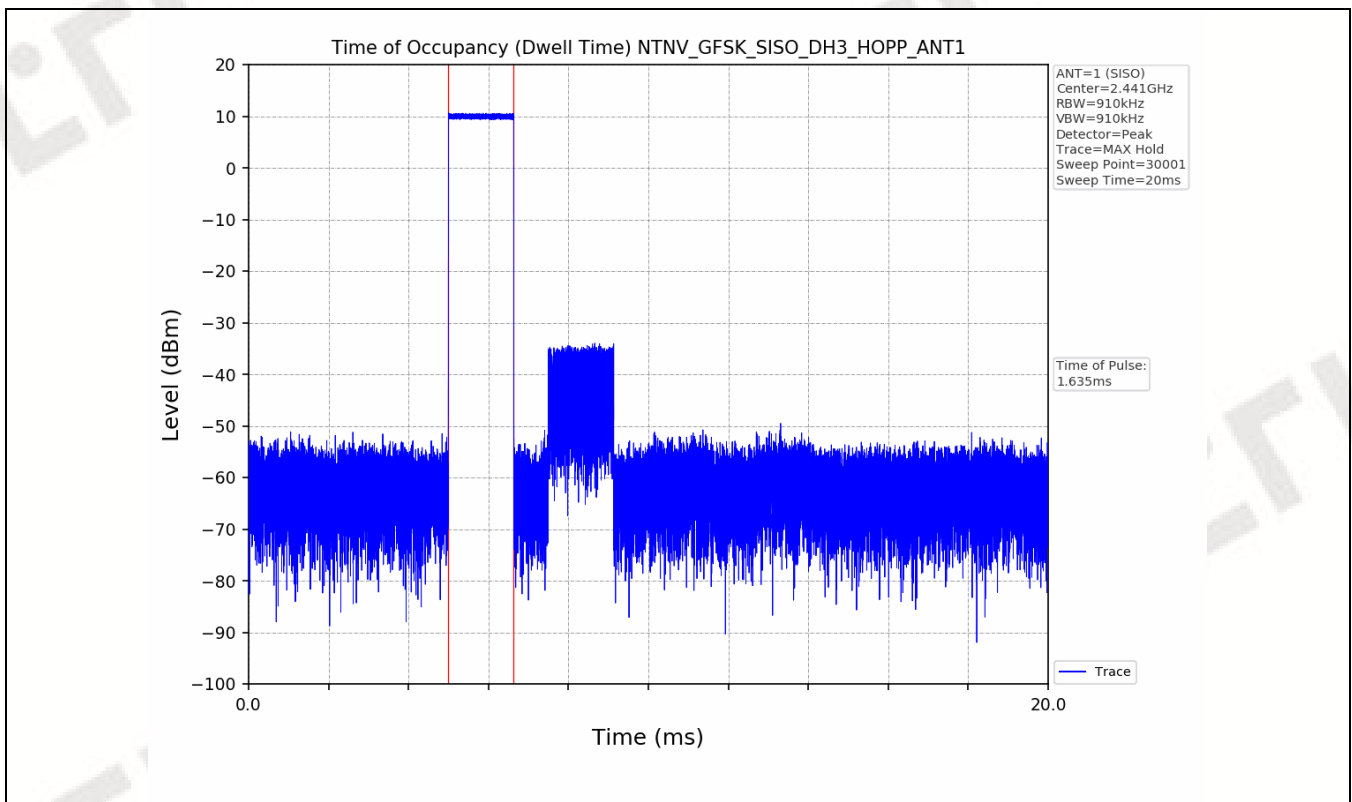
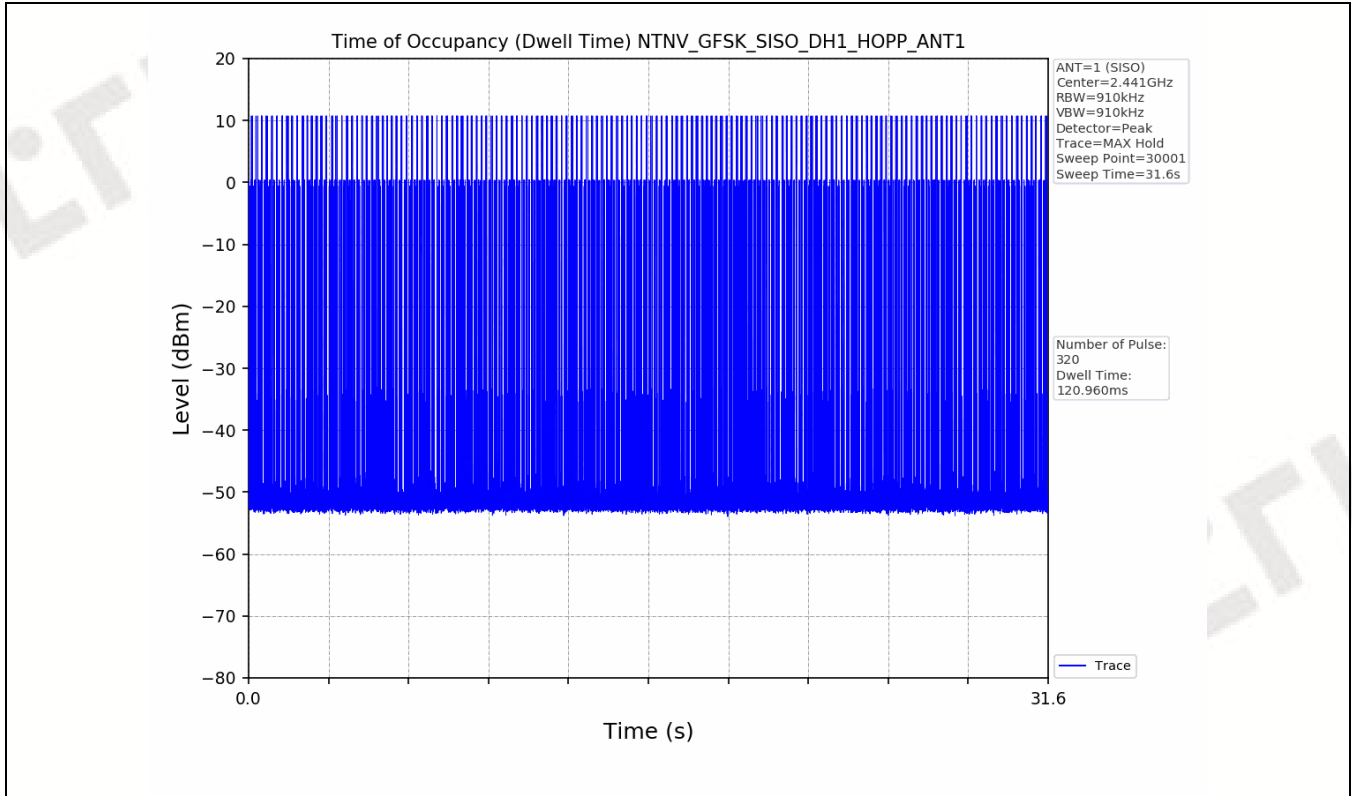
5. Time of Occupancy (Dwell Time)

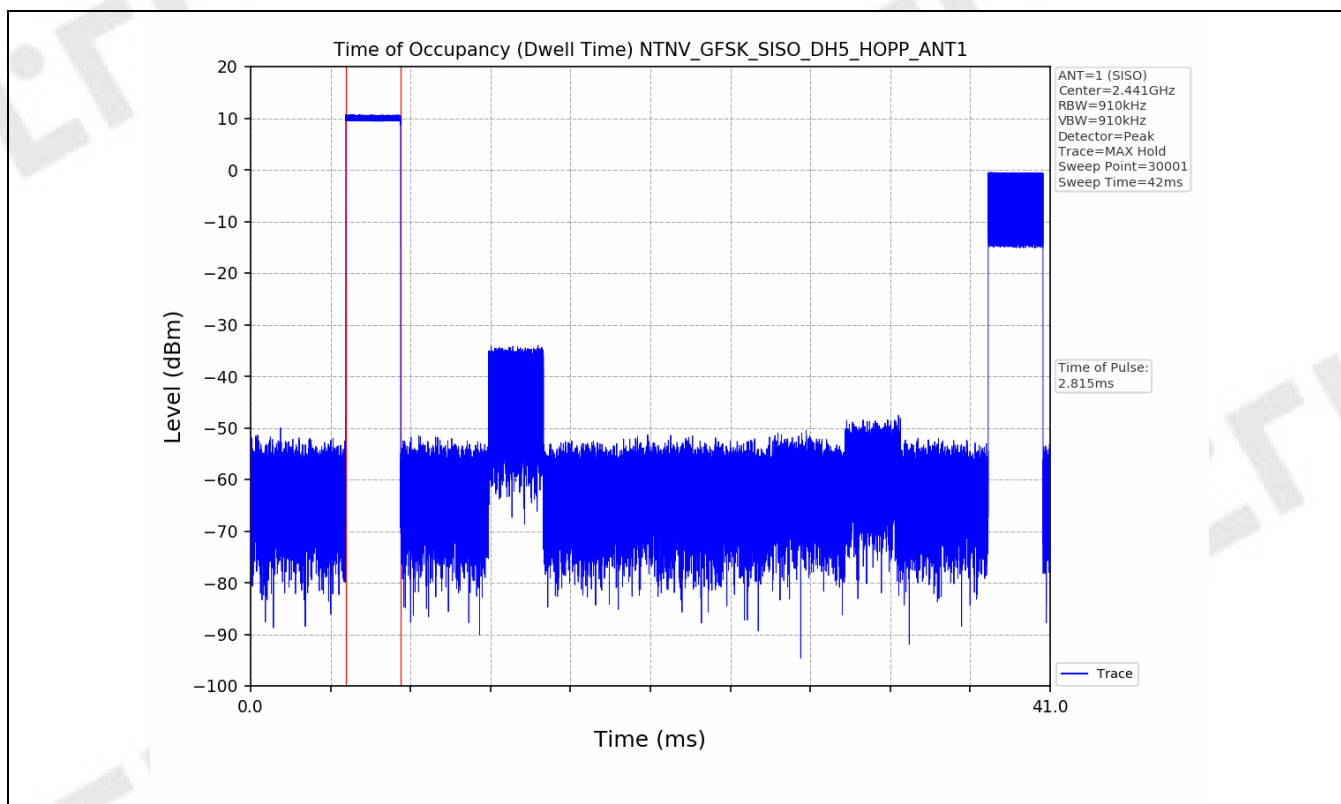
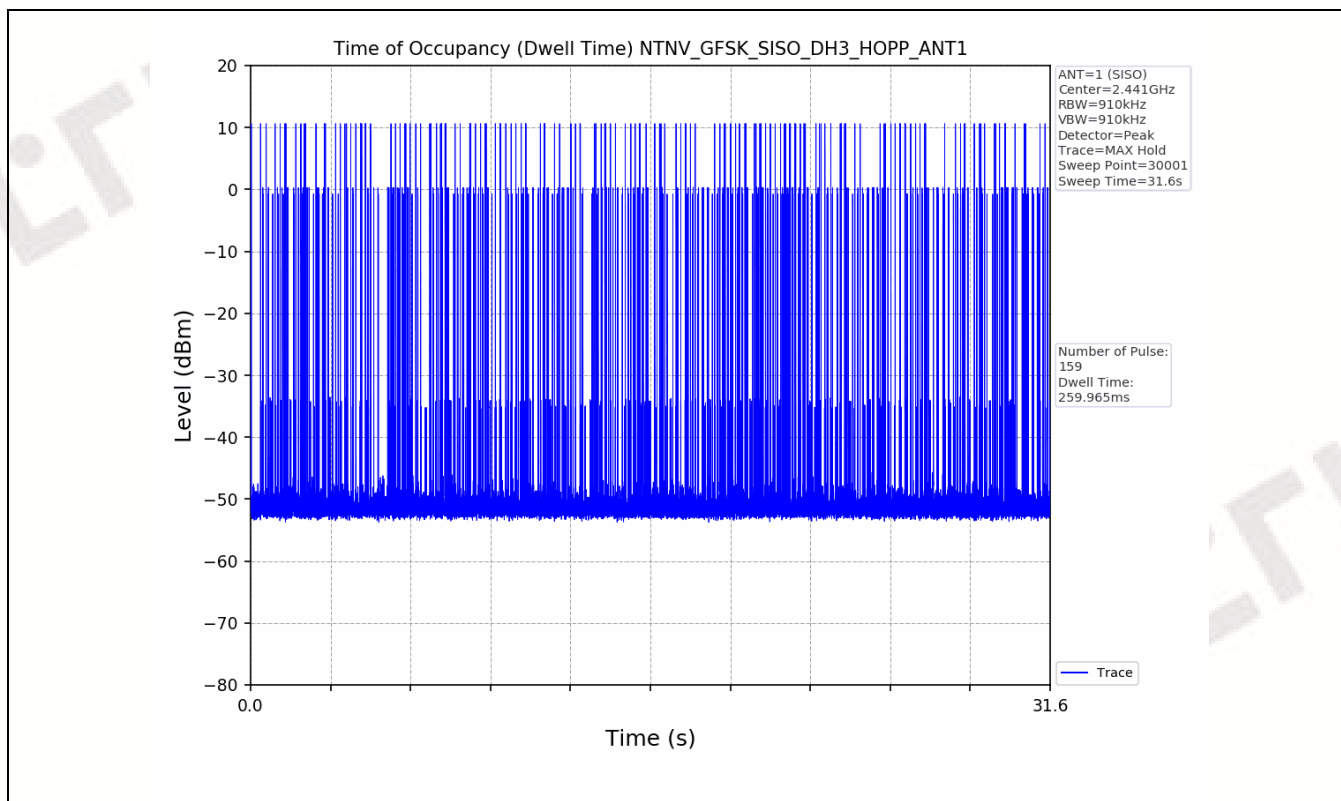
5.1 Test Result

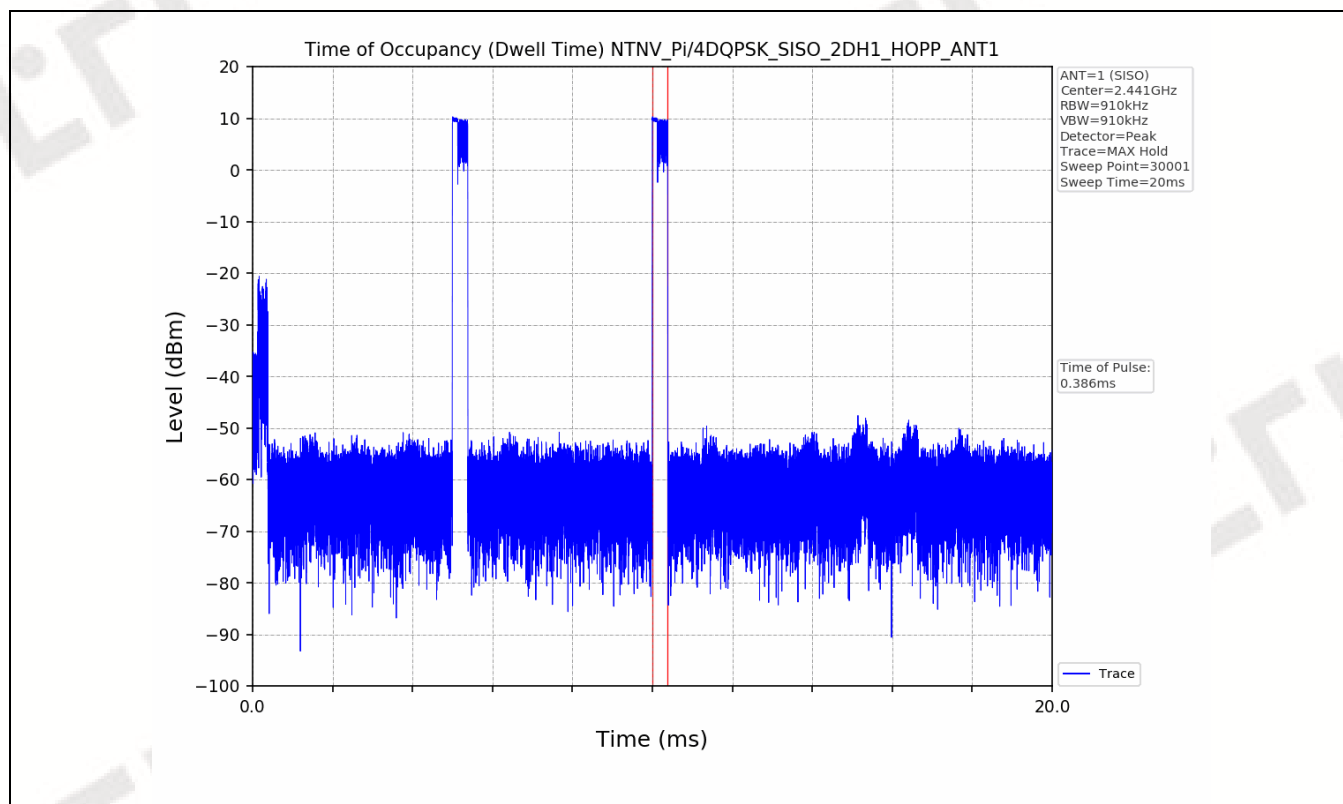
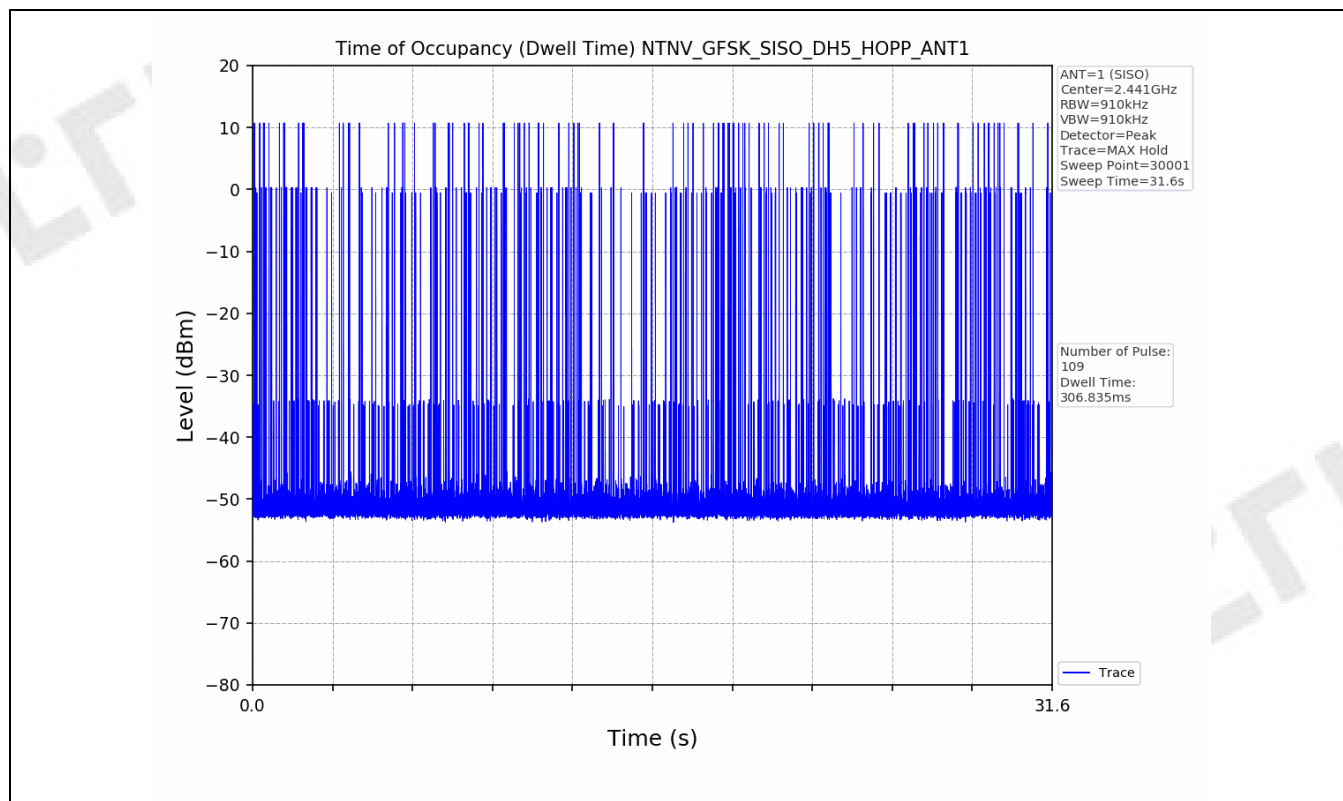
Test Mode	Packet Type	TX Type	ANT No.	Duration of Single Pulse (ms)	Observation Period (s)	Num of Pulse in Observation Period	Dwell Time (ms)	Limits (ms)	Verdict
GFSK	DH1	SISO	1	0.378	31.6	320	120.960	≤400	PASS
	DH3	SISO	1	1.635	31.6	159	259.965	≤400	PASS
	DH5	SISO	1	2.815	31.6	109	306.835	≤400	PASS
Pi/4DQ PSK	2DH1	SISO	1	0.386	31.6	320	123.520	≤400	PASS
	2DH3	SISO	1	1.639	31.6	160	262.240	≤400	PASS
	2DH5	SISO	1	2.886	31.6	111	320.346	≤400	PASS
8DPSK	3DH1	SISO	1	0.387	31.6	295	114.165	≤400	PASS
	3DH3	SISO	1	1.645	31.6	160	263.200	≤400	PASS
	3DH5	SISO	1	2.895	31.6	97	280.815	≤400	PASS

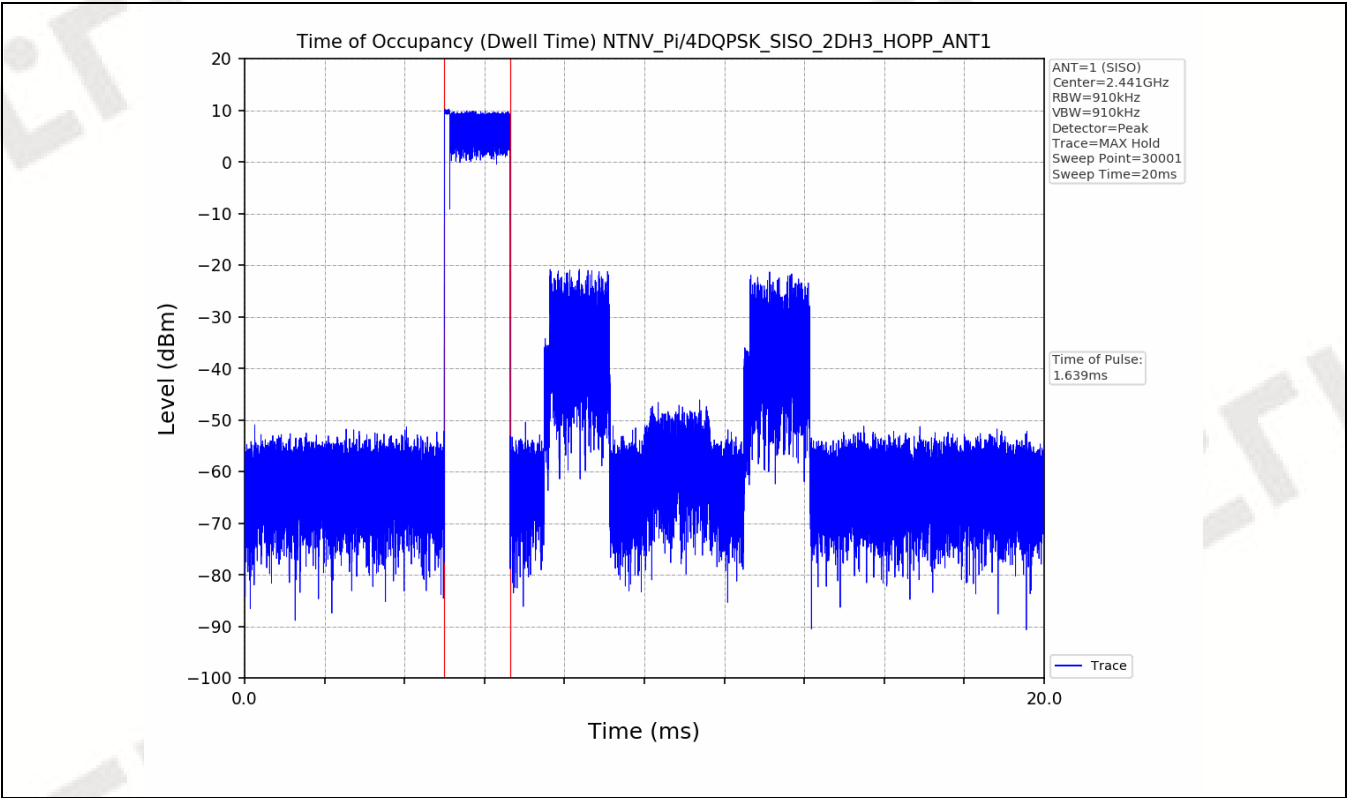
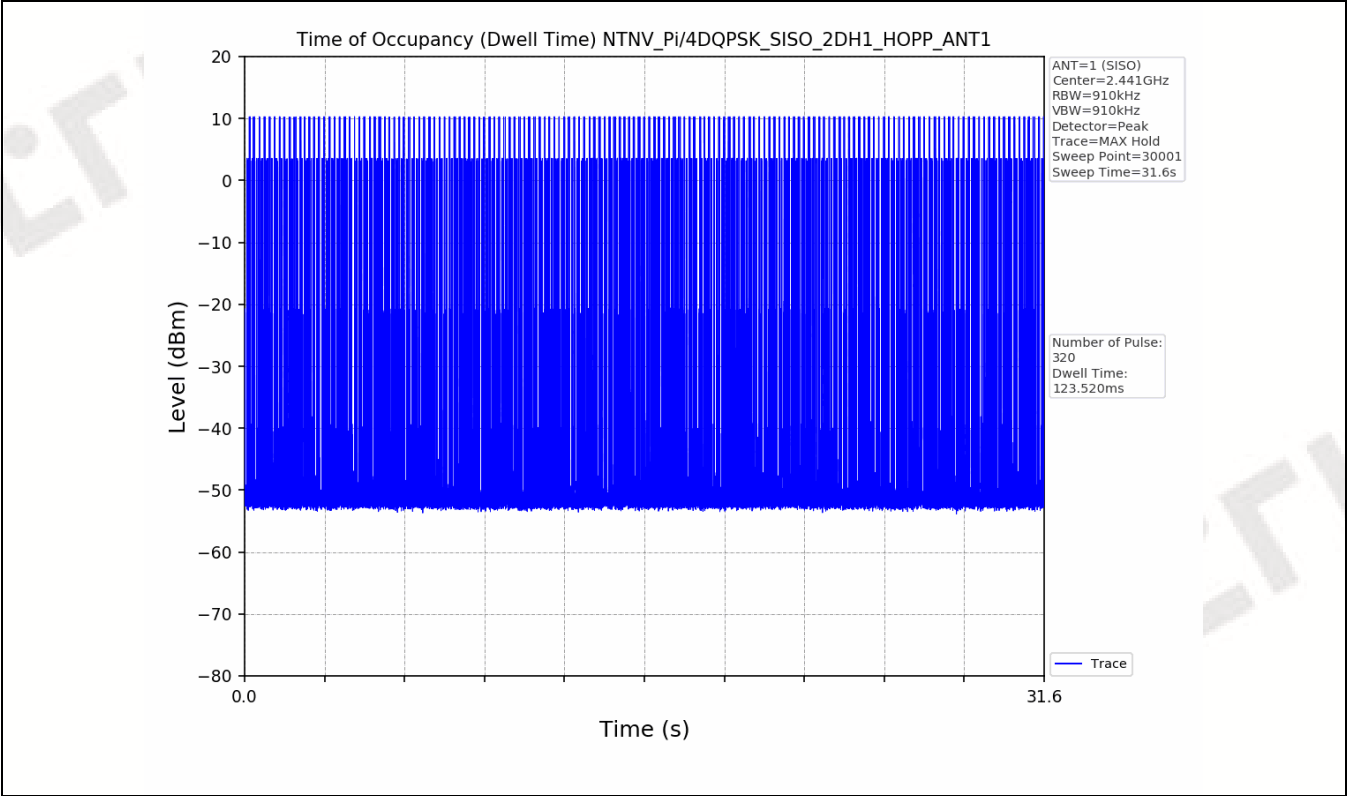
5.2 Test Graph

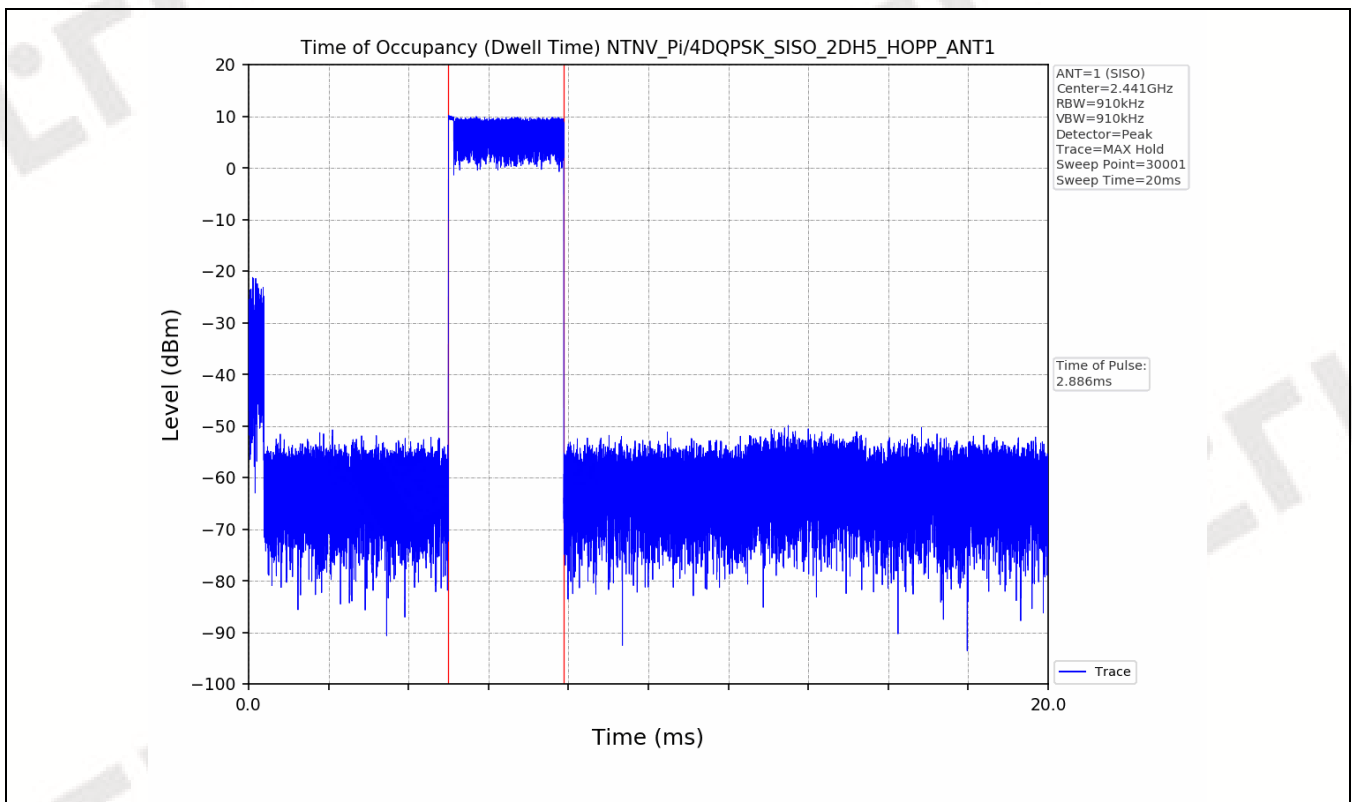
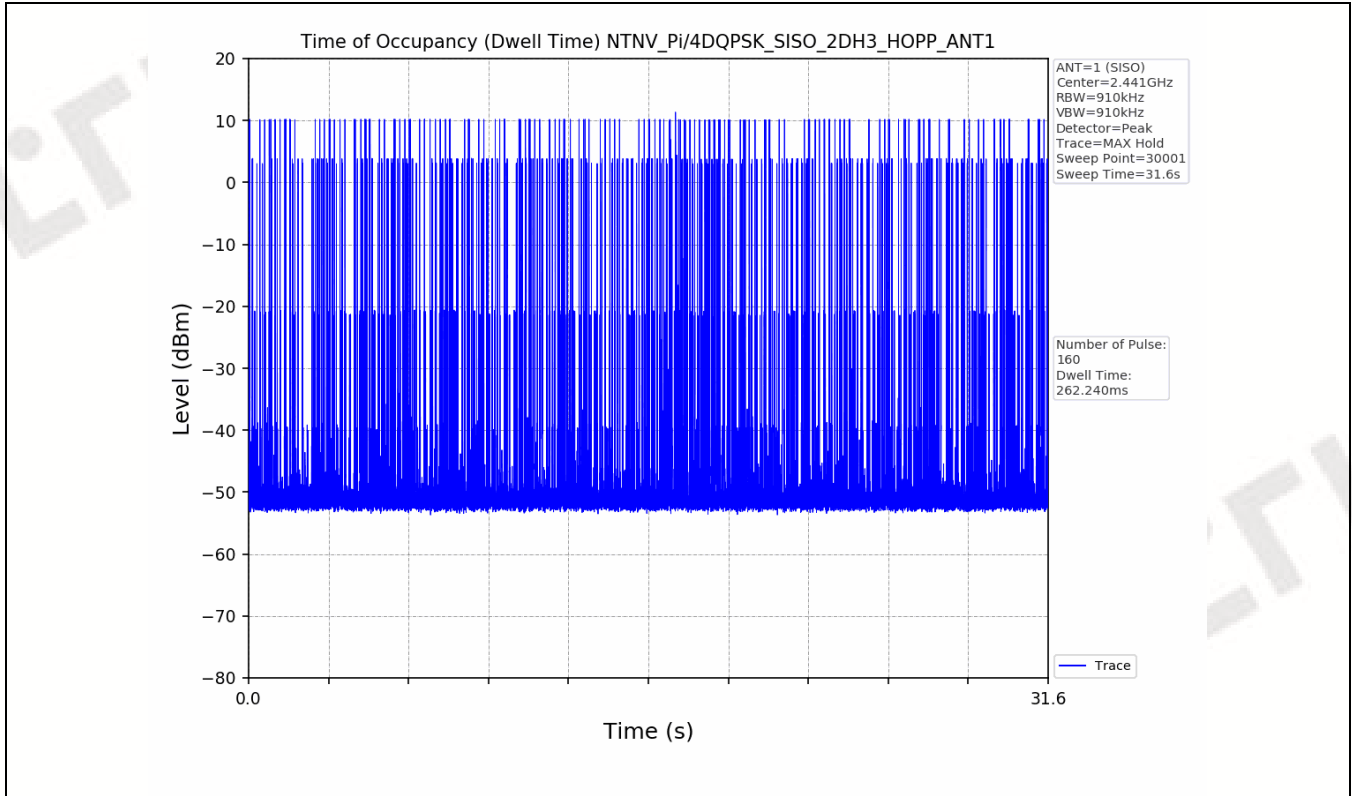


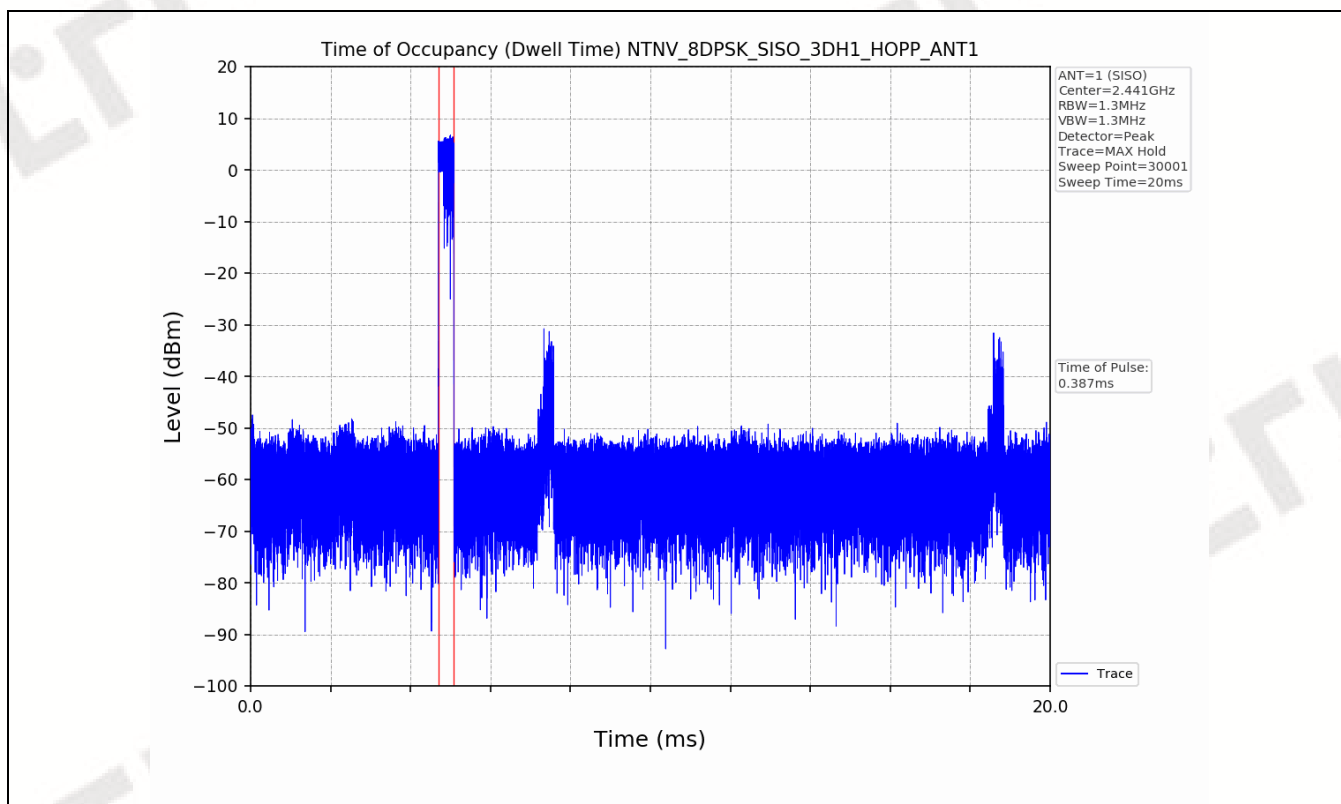
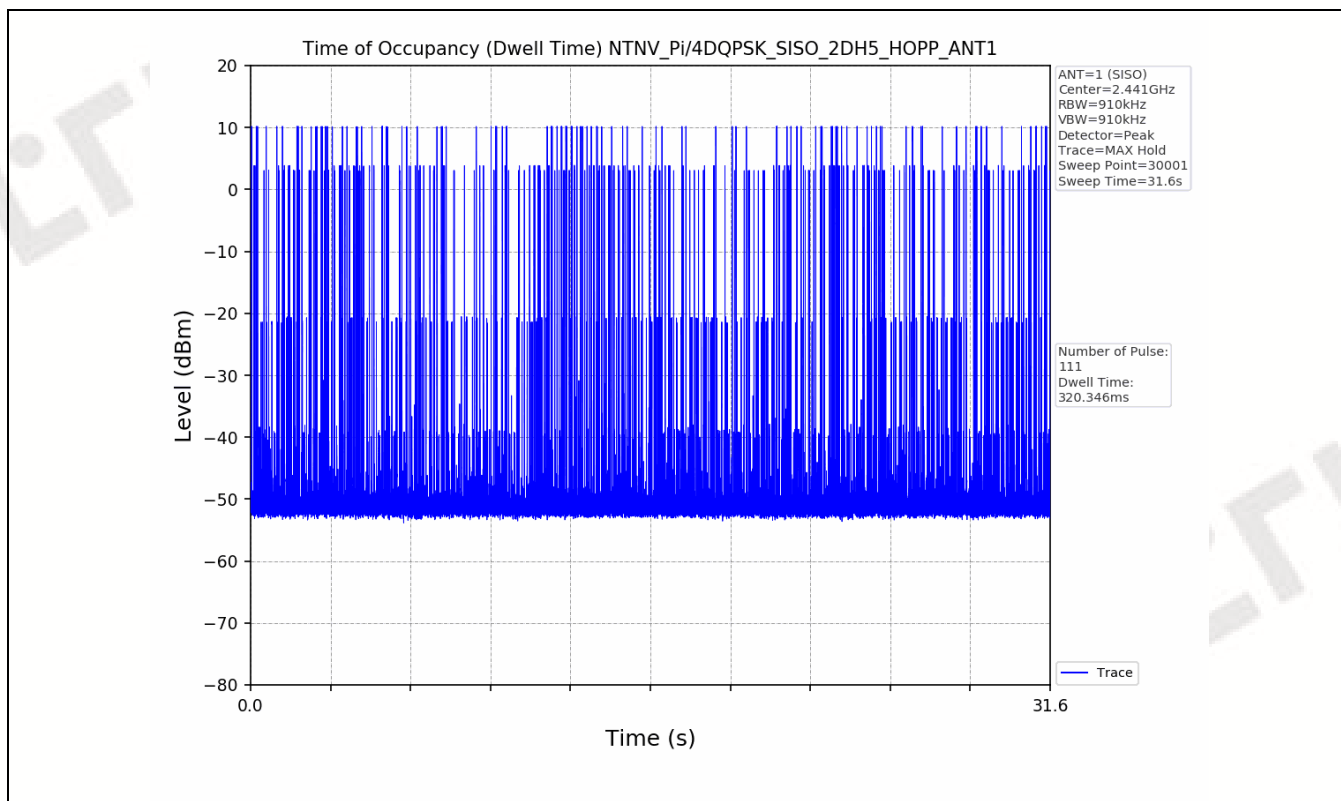


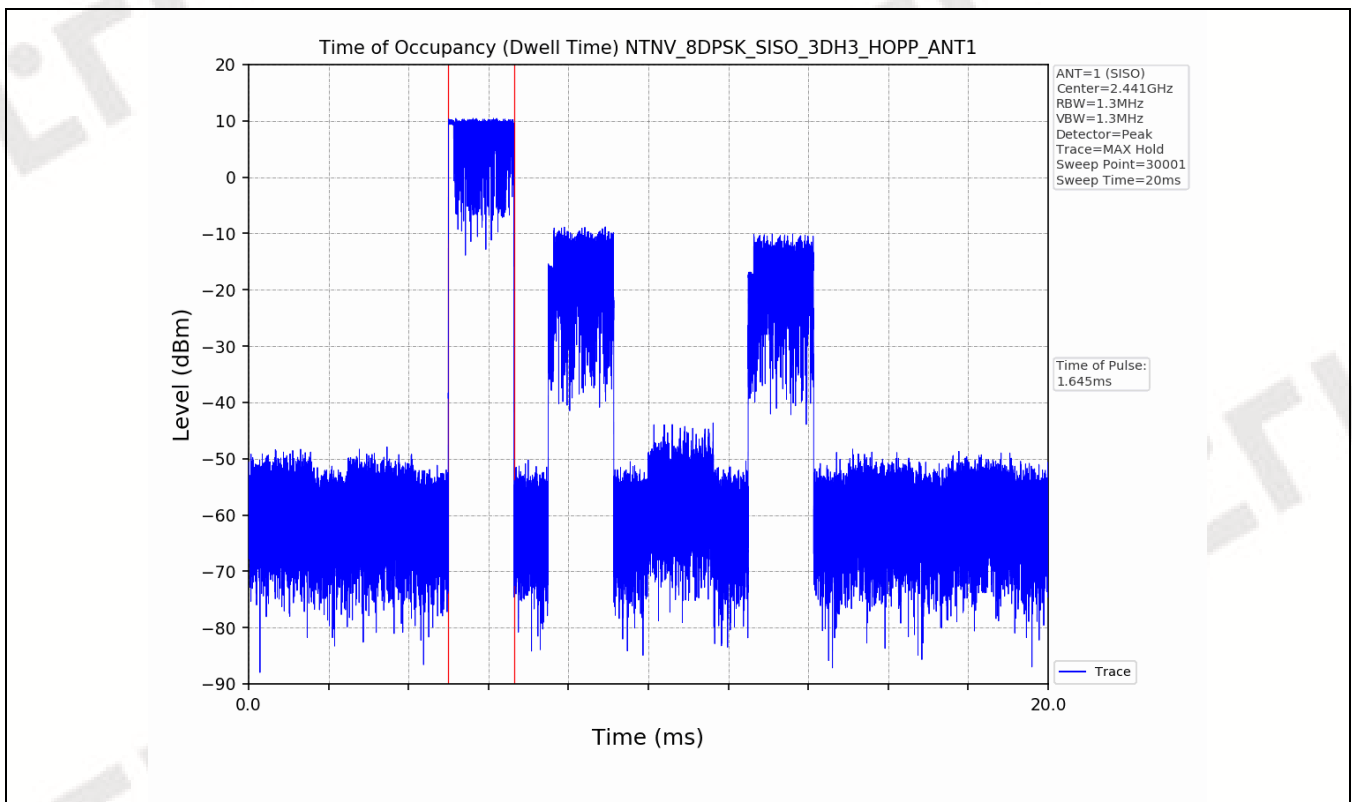
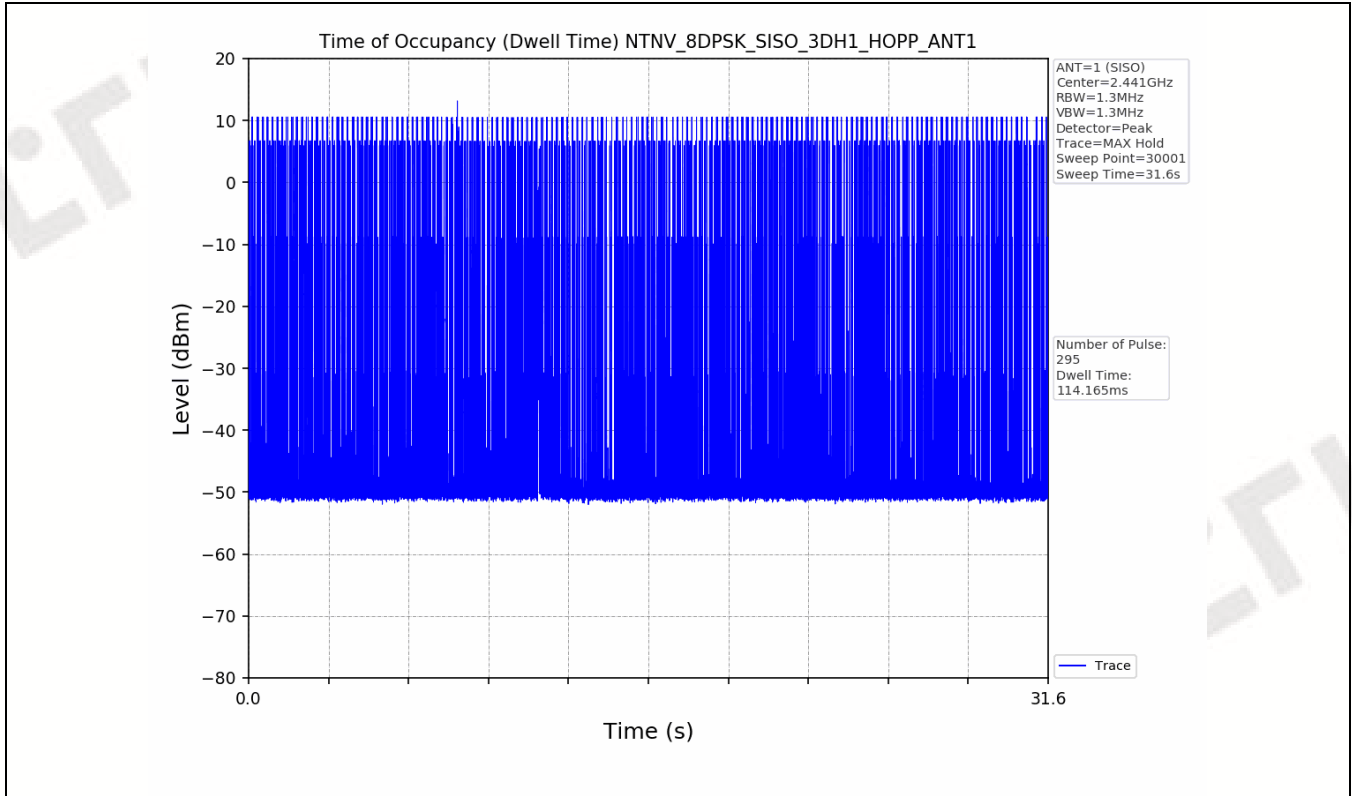


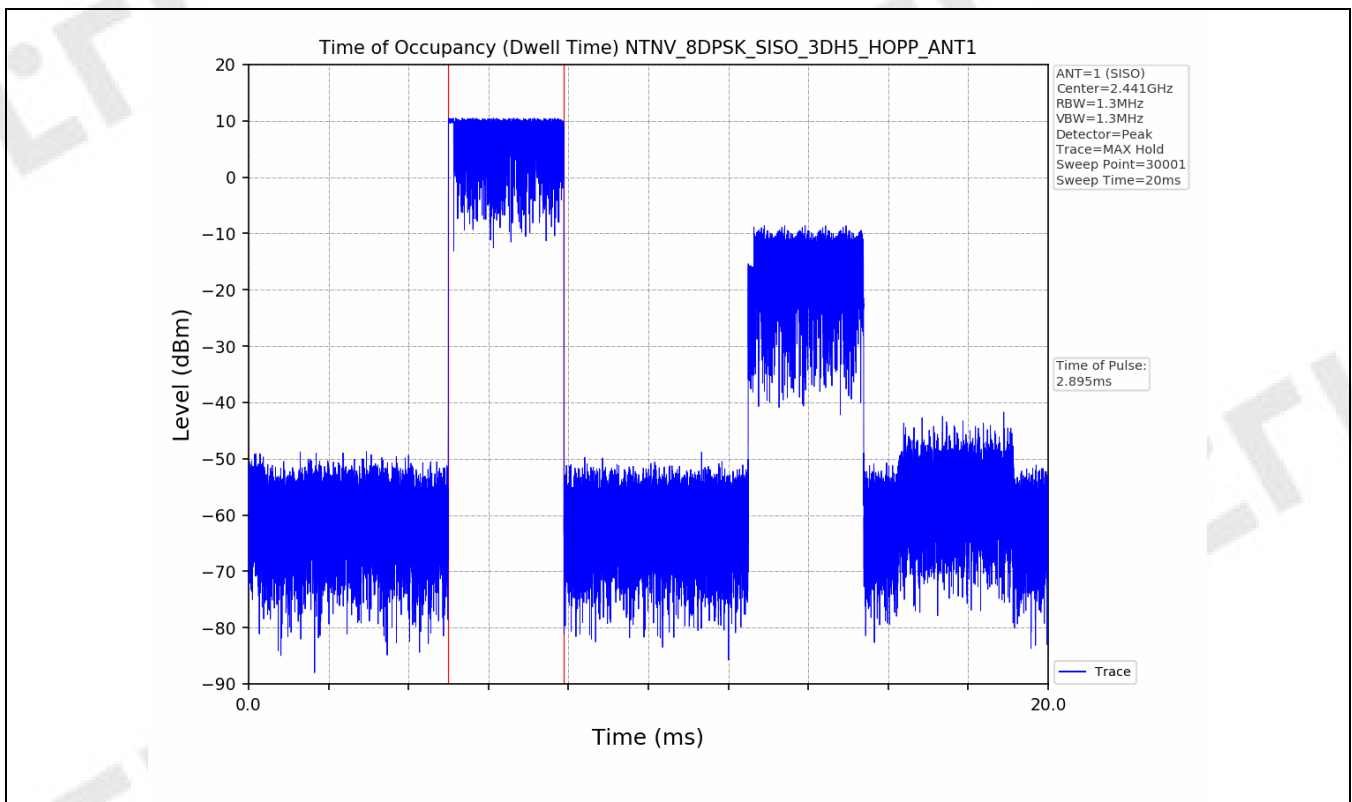
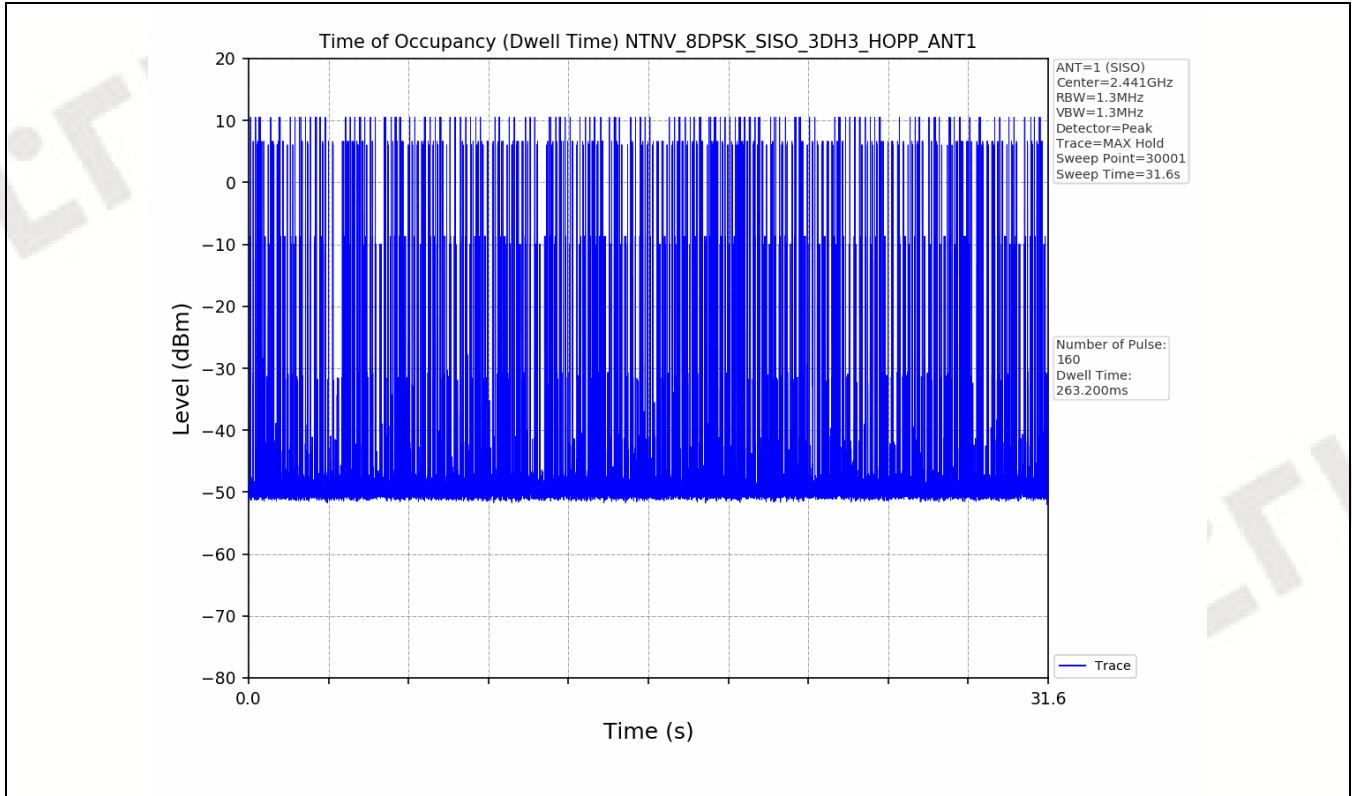


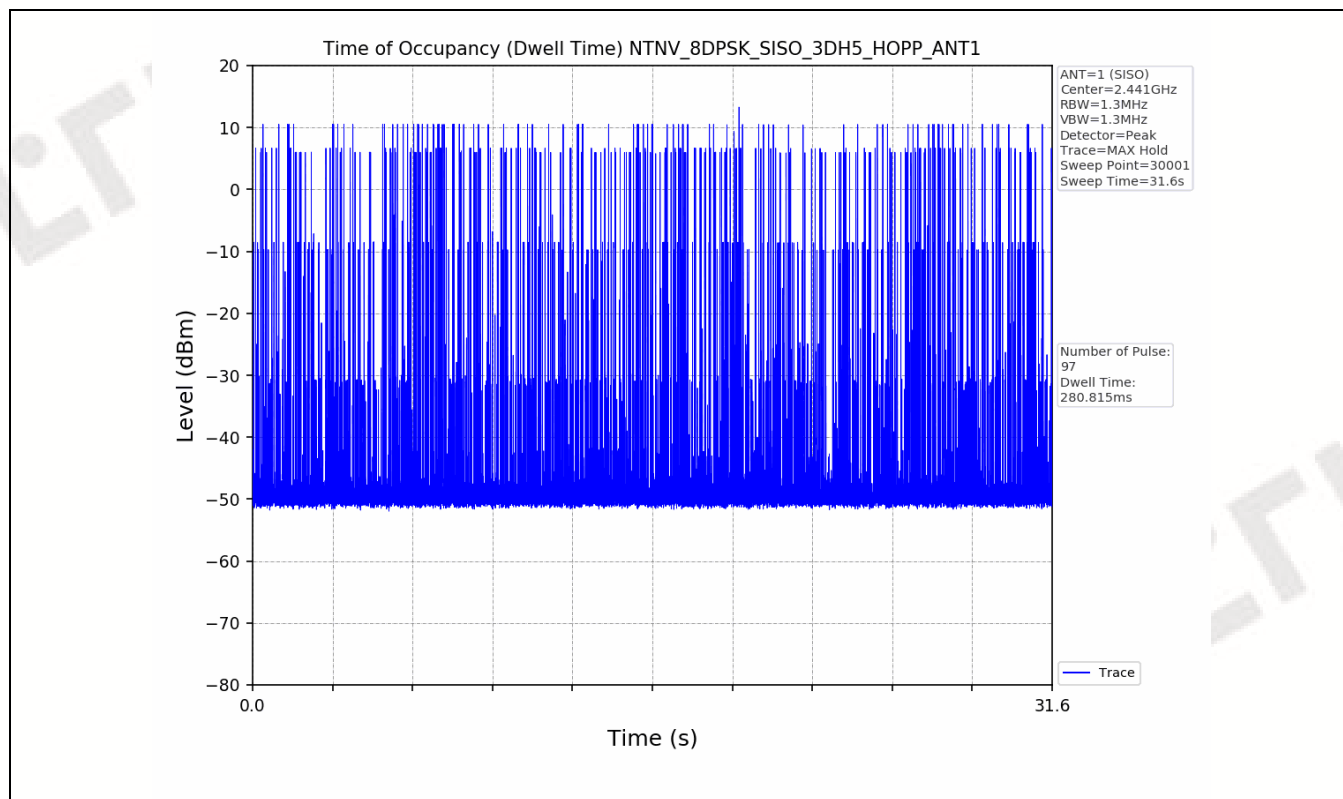












6. Unwanted Emissions in Non-restricted Frequency Bands

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	-10.19	PASS
	2441	SISO	1	Refer to test graph	-10.19	PASS
	2480	SISO	1	Refer to test graph	-10.19	PASS
	Hopping	SISO	1	Refer to test graph	-10.19	PASS
Pi/4DQPSK	2402	SISO	1	Refer to test graph	-9.82	PASS
	2441	SISO	1	Refer to test graph	-9.82	PASS
	2480	SISO	1	Refer to test graph	-9.82	PASS
	Hopping	SISO	1	Refer to test graph	-9.82	PASS
8DPSK	2402	SISO	1	Refer to test graph	-9.39	PASS
	2441	SISO	1	Refer to test graph	-9.39	PASS
	2480	SISO	1	Refer to test graph	-9.39	PASS
	Hopping	SISO	1	Refer to test graph	-9.39	PASS

6.2 Test Graph

