

Appendix B for KSEM210400063002

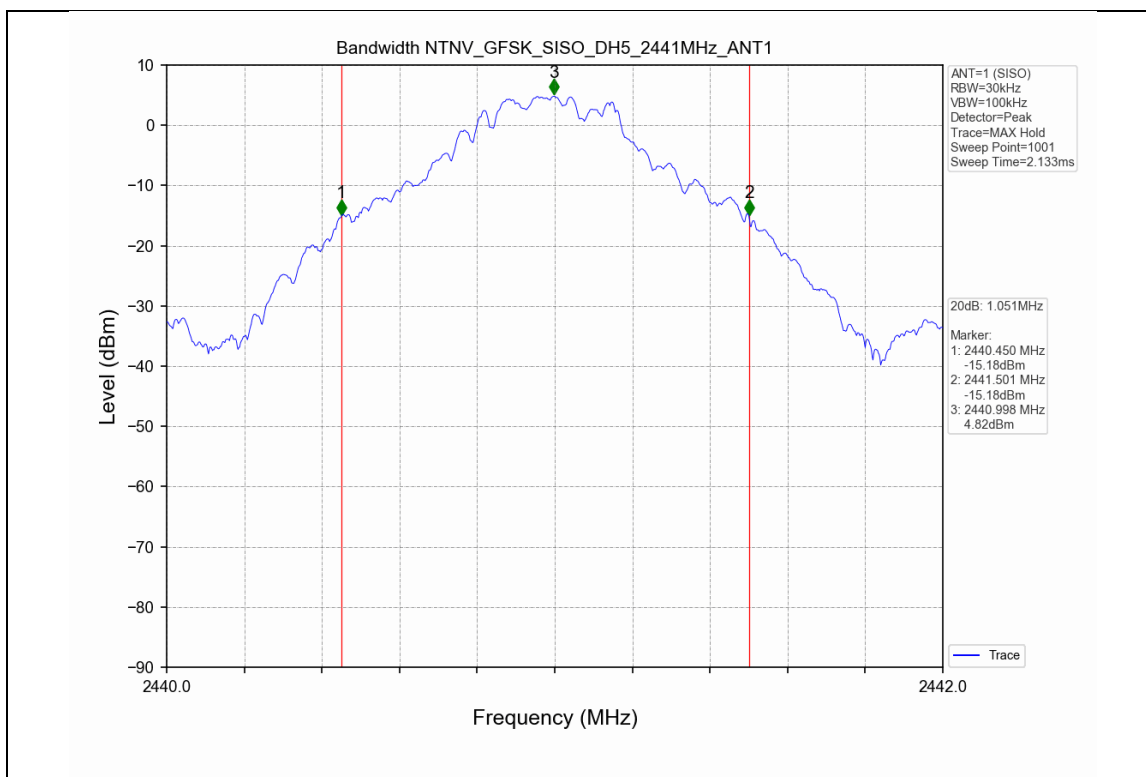
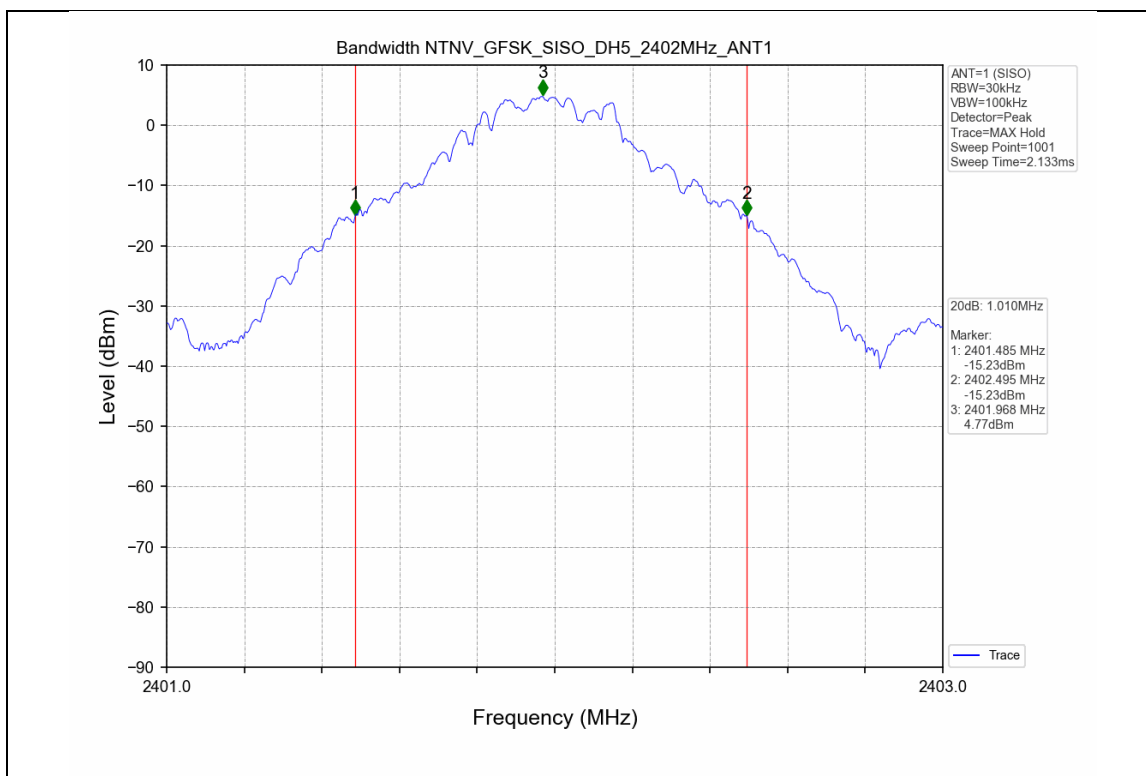
1. Bandwidth

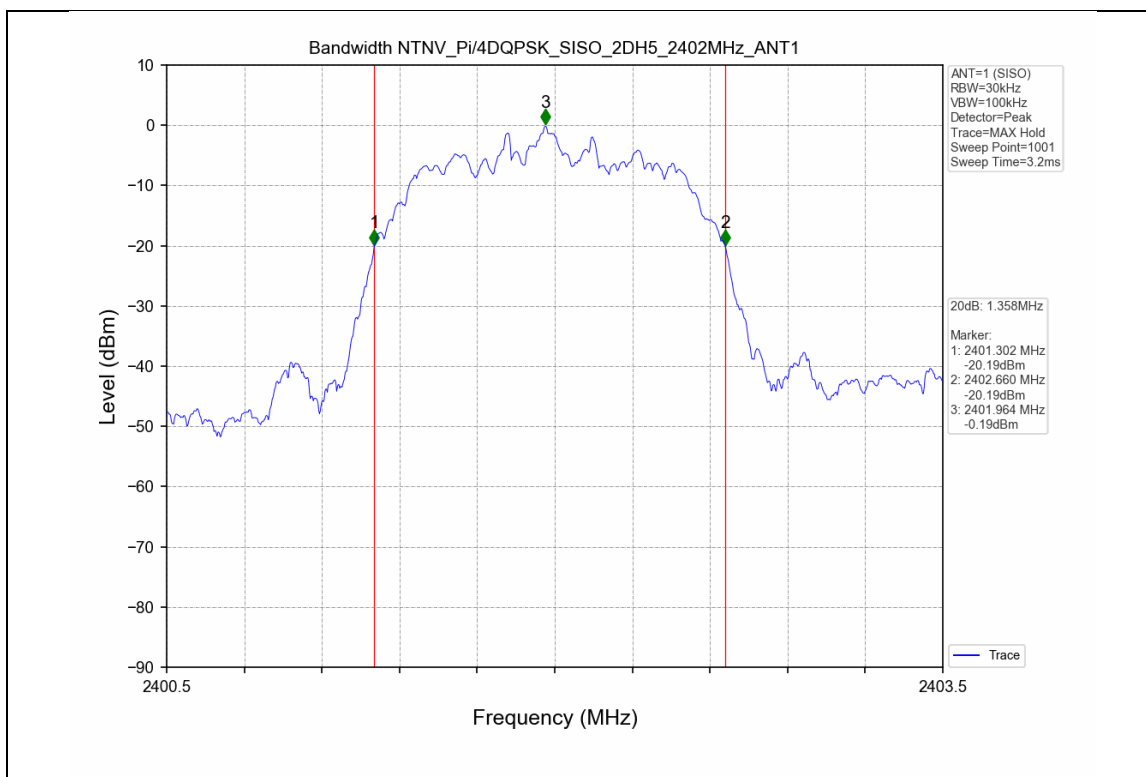
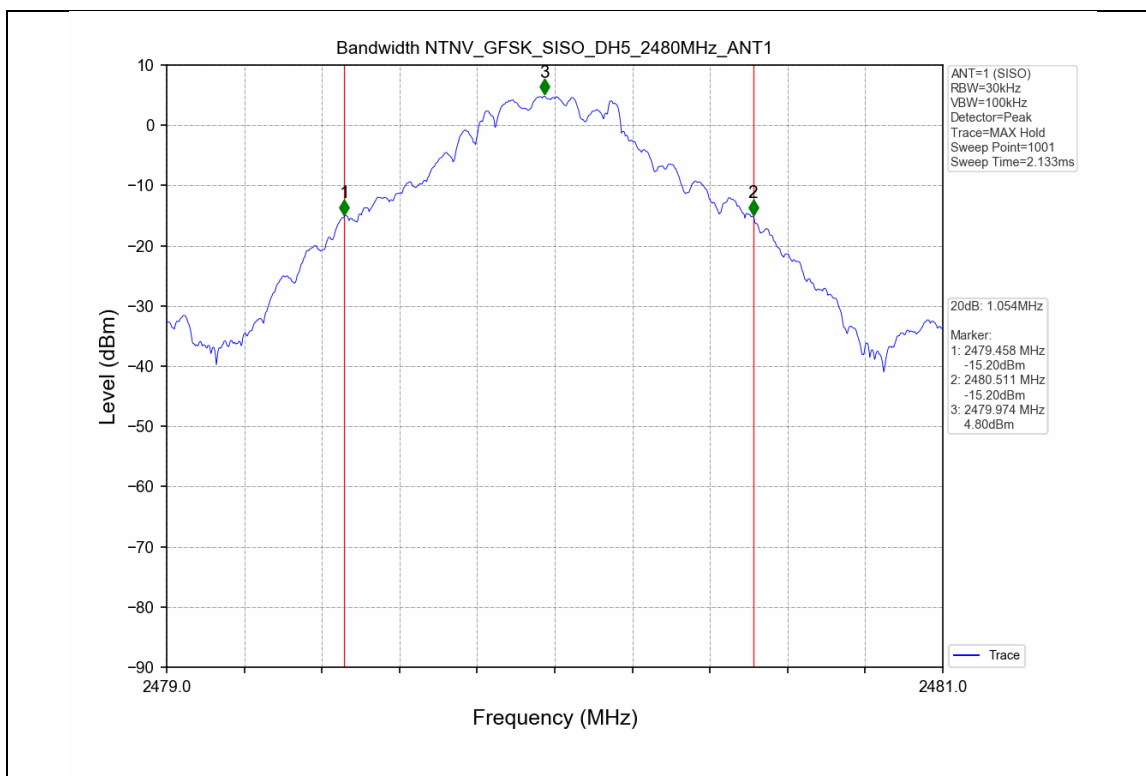
1.1 Test Result

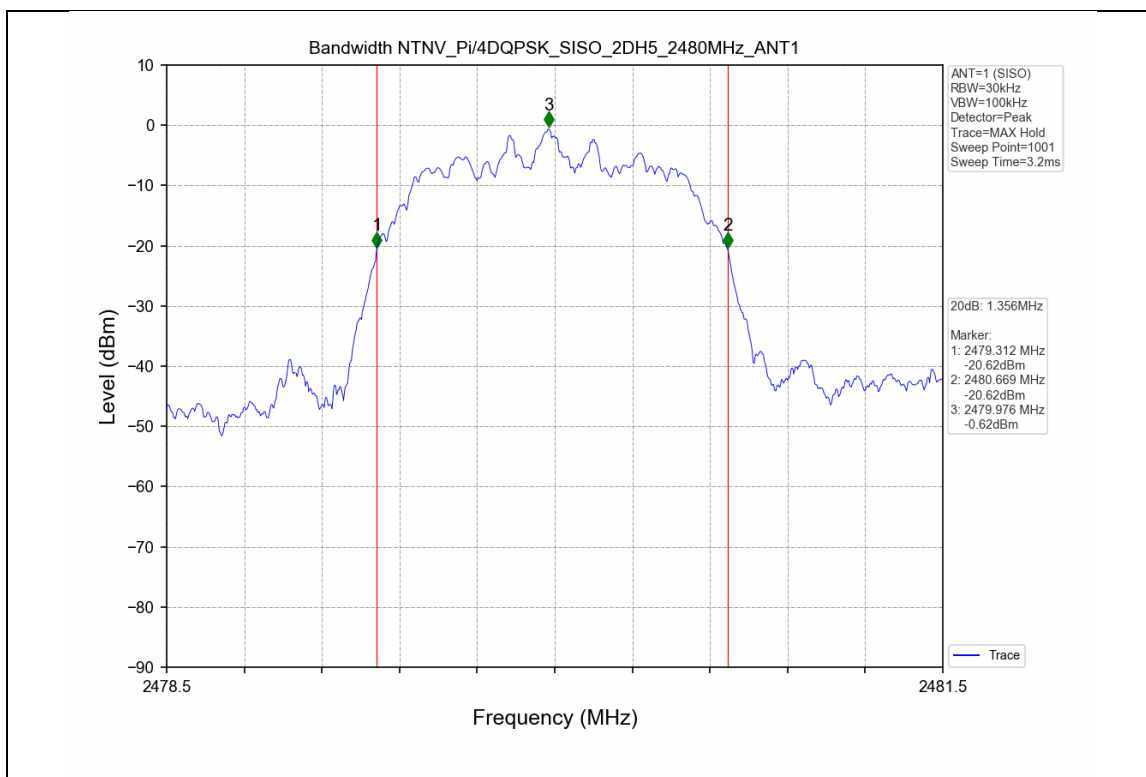
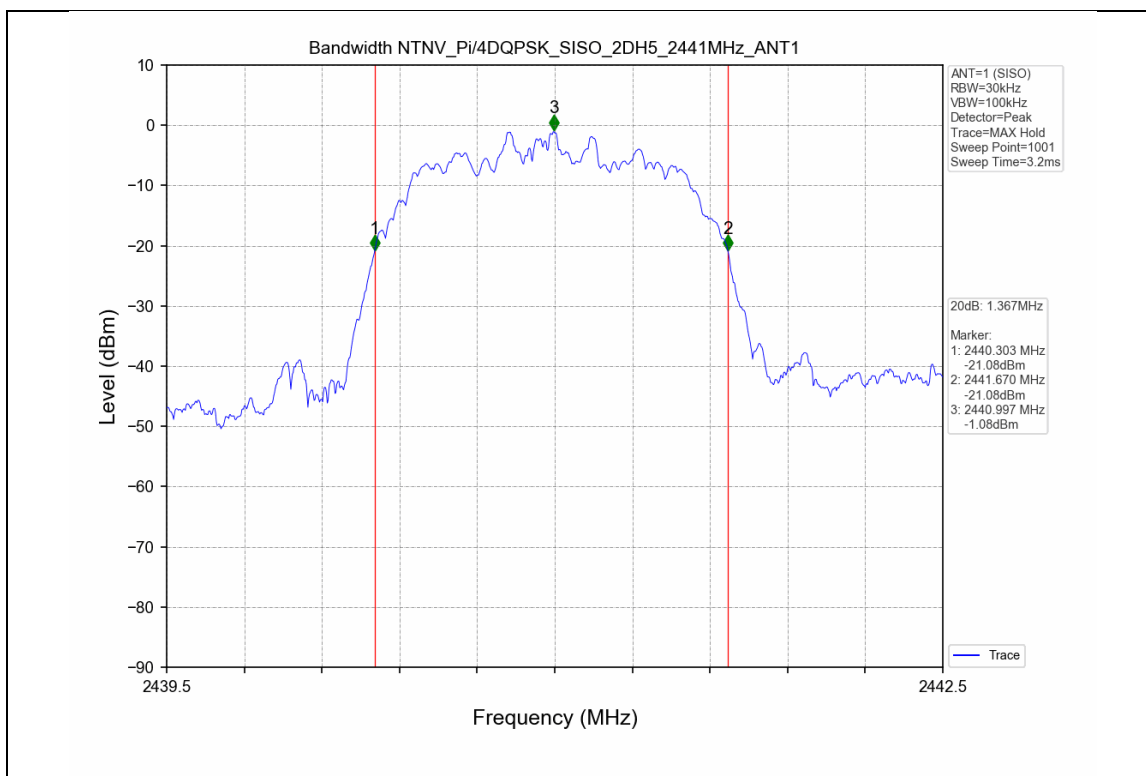
Test Mode	Frequency (MHz)	TX Type	ANT No.	20dB Bandwidth	Verdict
				Test Result (MHz)	
GFSK	2402	SISO	1	1.010	PASS
	2441	SISO	1	1.051	PASS
	2480	SISO	1	1.054	PASS
Pi/4DQPSK	2402	SISO	1	1.358	PASS
	2441	SISO	1	1.367	PASS
	2480	SISO	1	1.356	PASS
8DPSK	2402	SISO	1	1.342	PASS
	2441	SISO	1	1.340	PASS
	2480	SISO	1	1.340	PASS

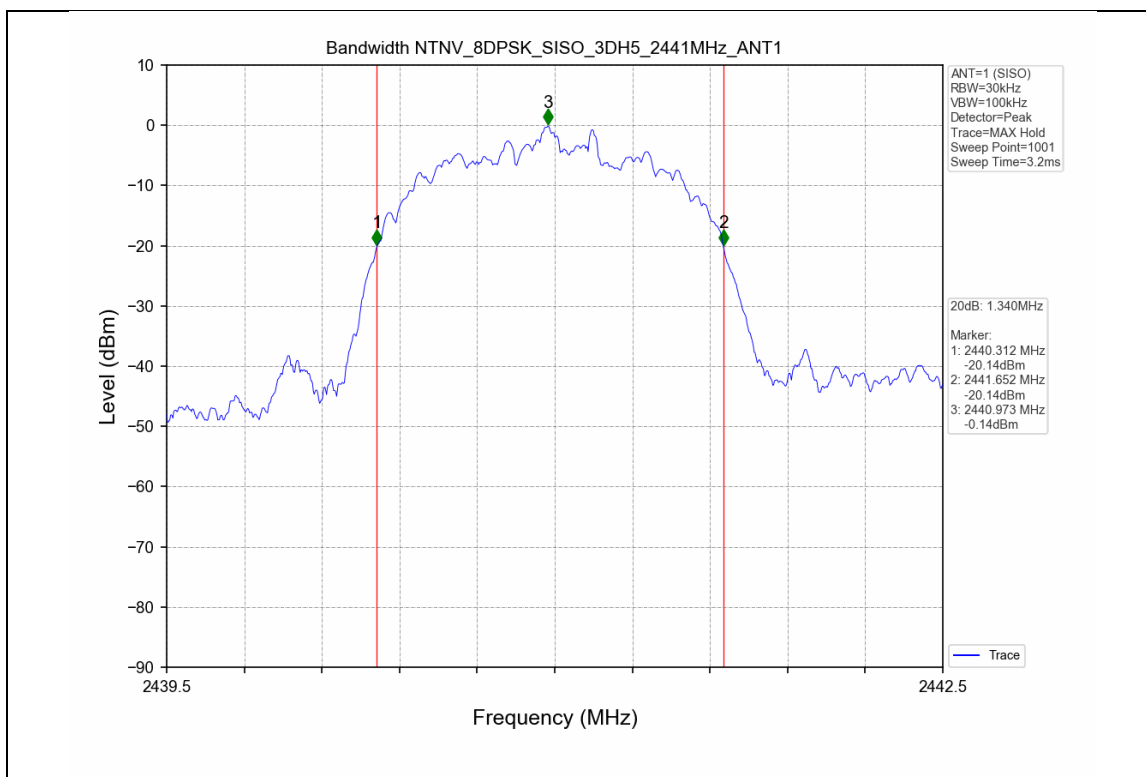
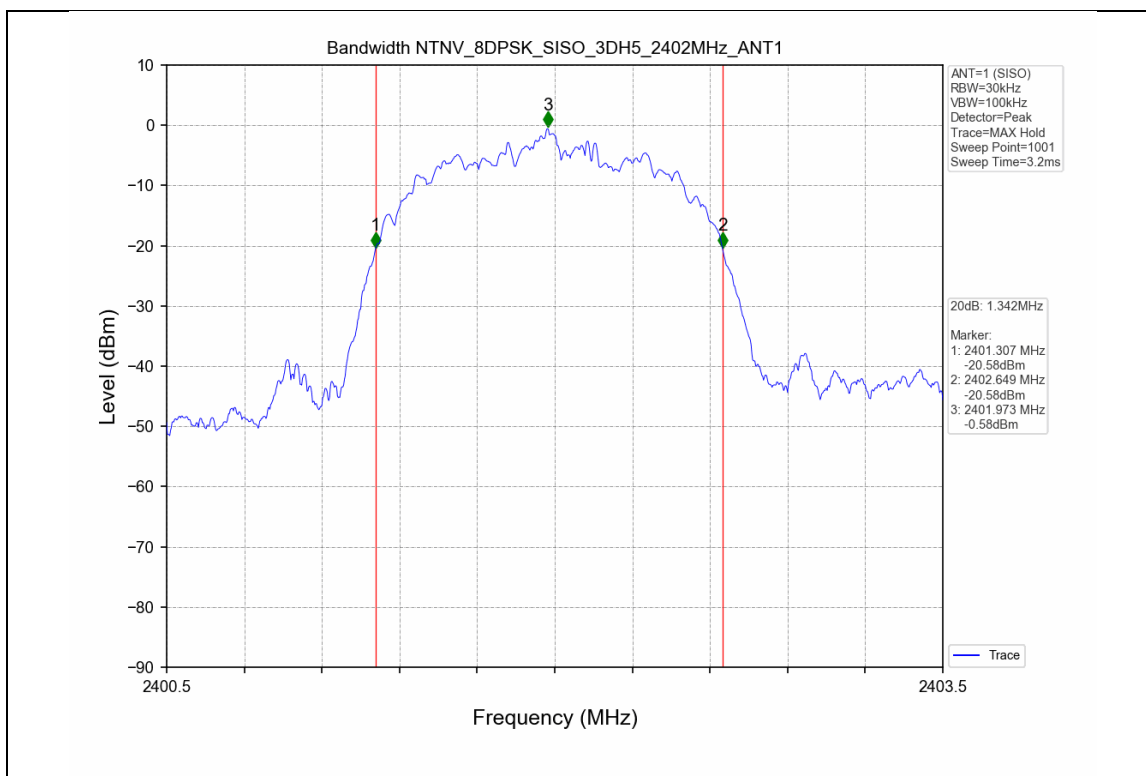
Test Mode	Frequency (MHz)	TX Type	ANT No.	99% Occupied Bandwidth	
				Test Result (MHz)	
GFSK	2402	SISO	1	0.910	Only for Report Use
	2441	SISO	1	0.907	Only for Report Use
	2480	SISO	1	0.909	Only for Report Use
Pi/4DQPSK	2402	SISO	1	1.213	Only for Report Use
	2441	SISO	1	1.214	Only for Report Use
	2480	SISO	1	1.210	Only for Report Use
8DPSK	2402	SISO	1	1.217	Only for Report Use
	2441	SISO	1	1.220	Only for Report Use
	2480	SISO	1	1.219	Only for Report Use

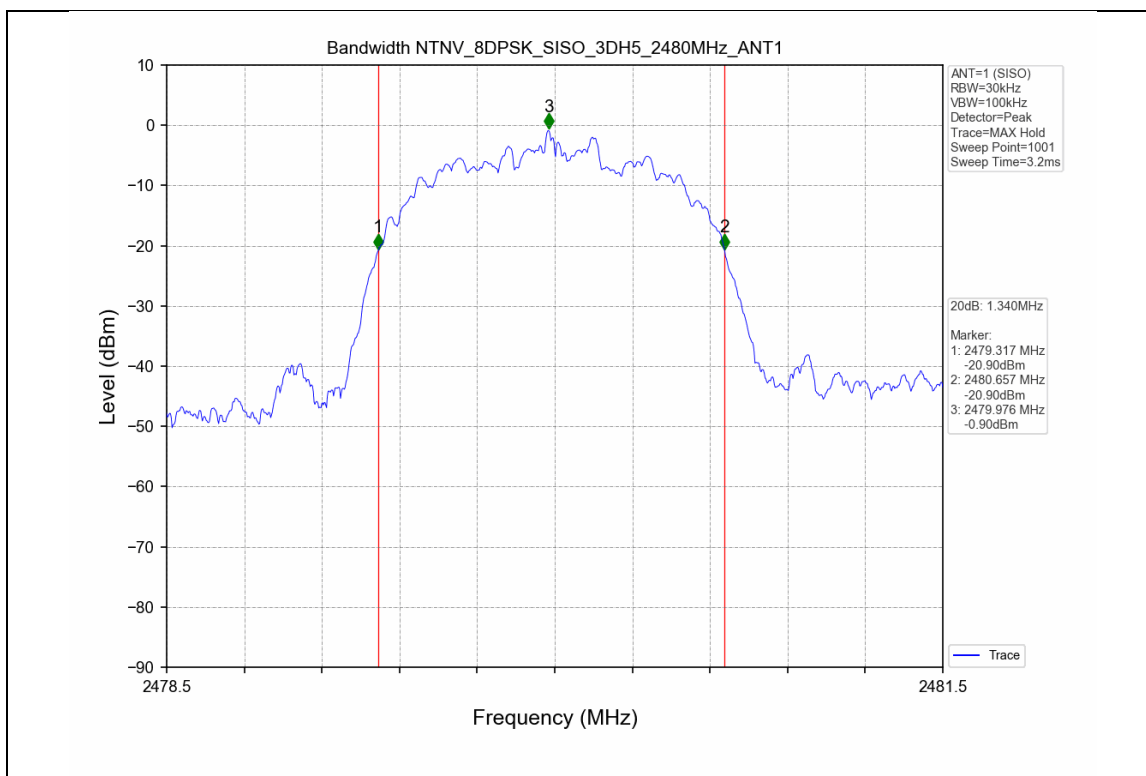
1.2 Test Graph - 20dB Bandwidth



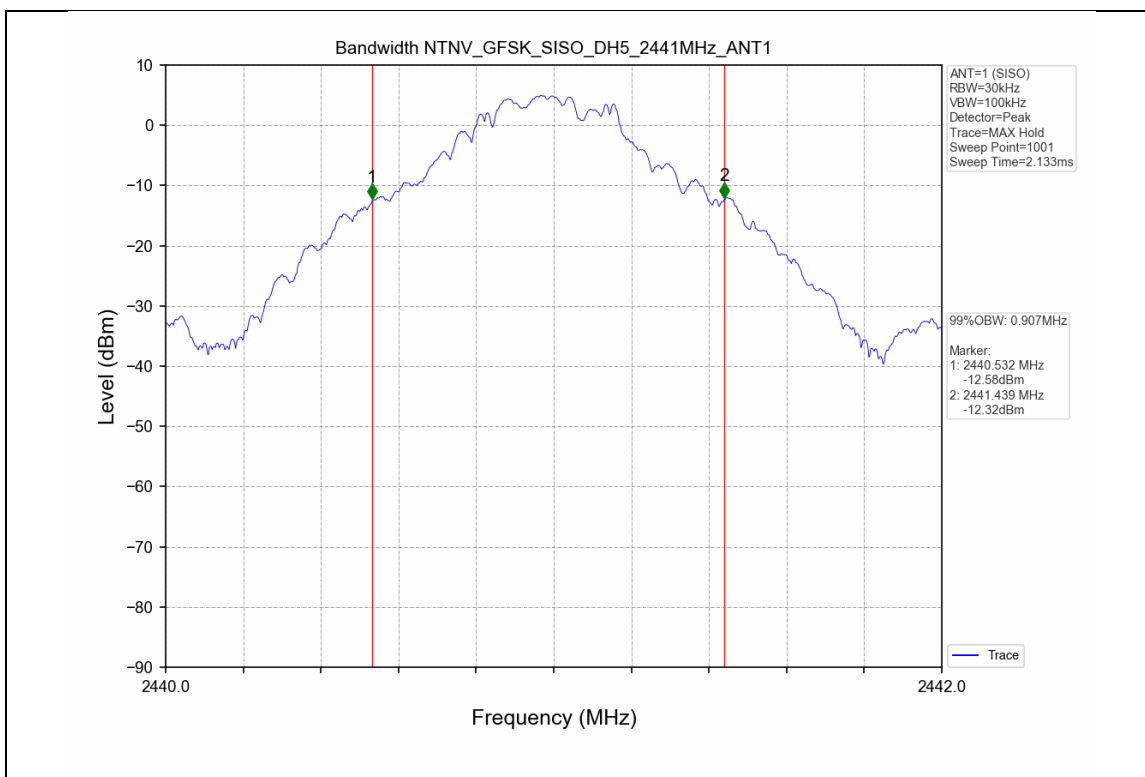
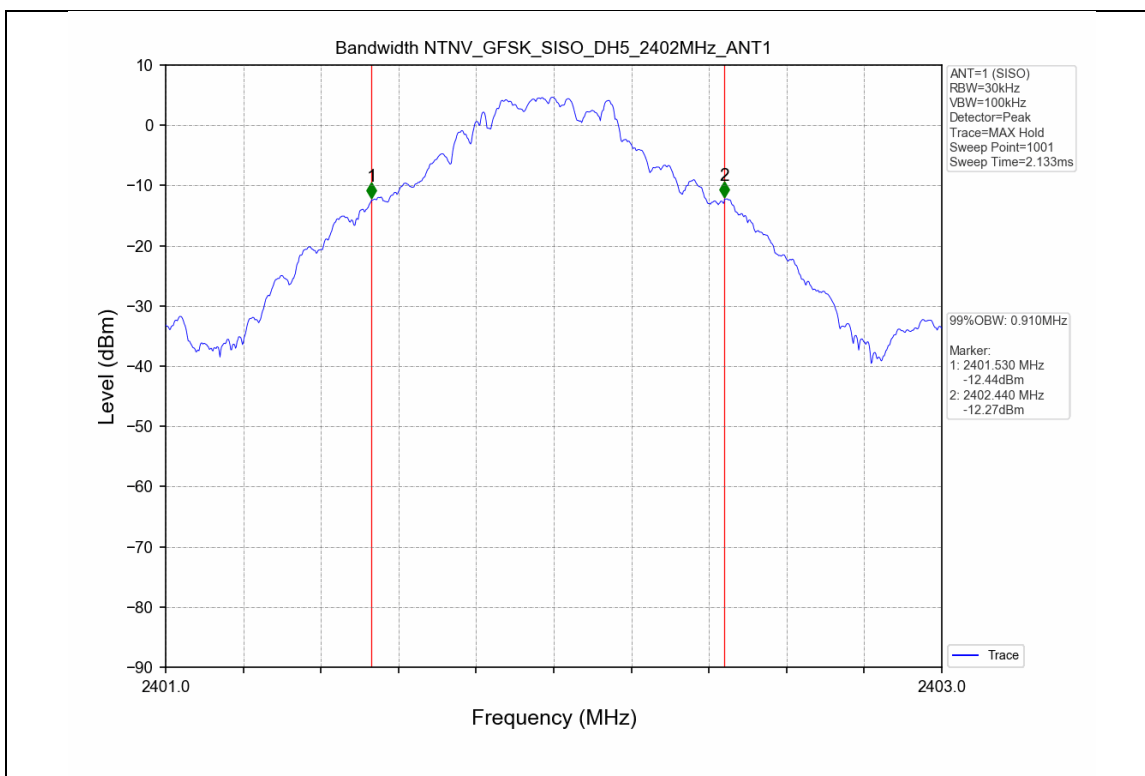


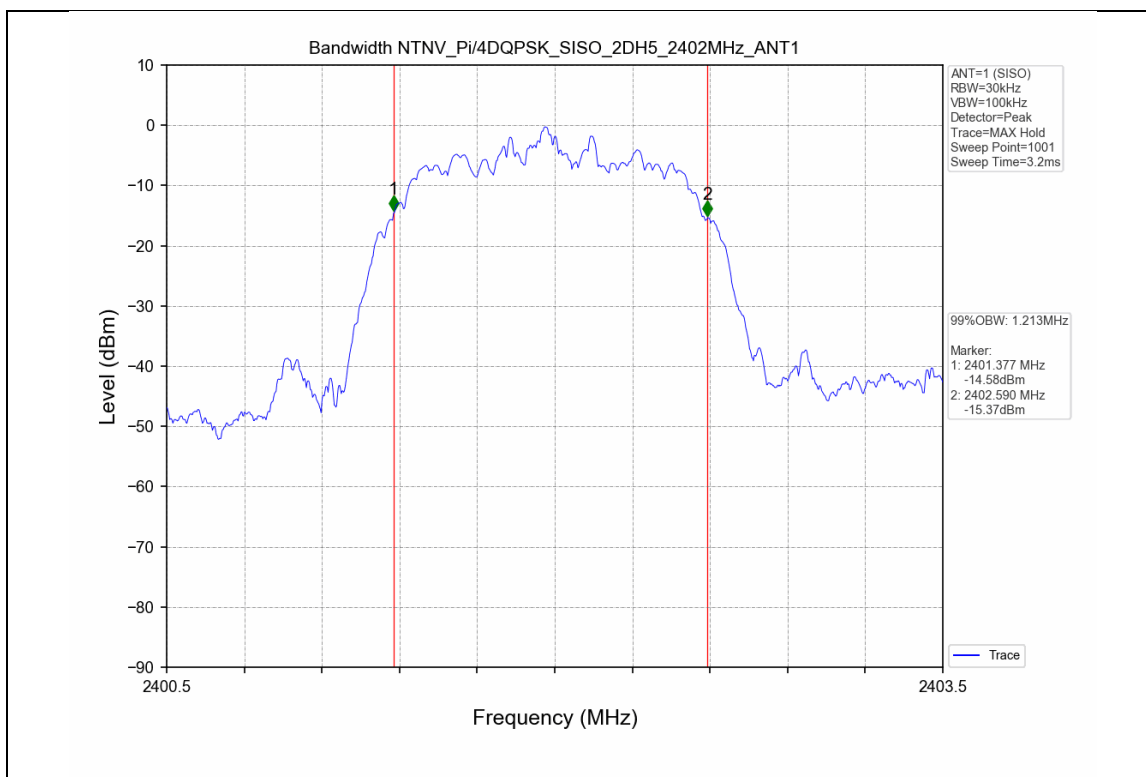
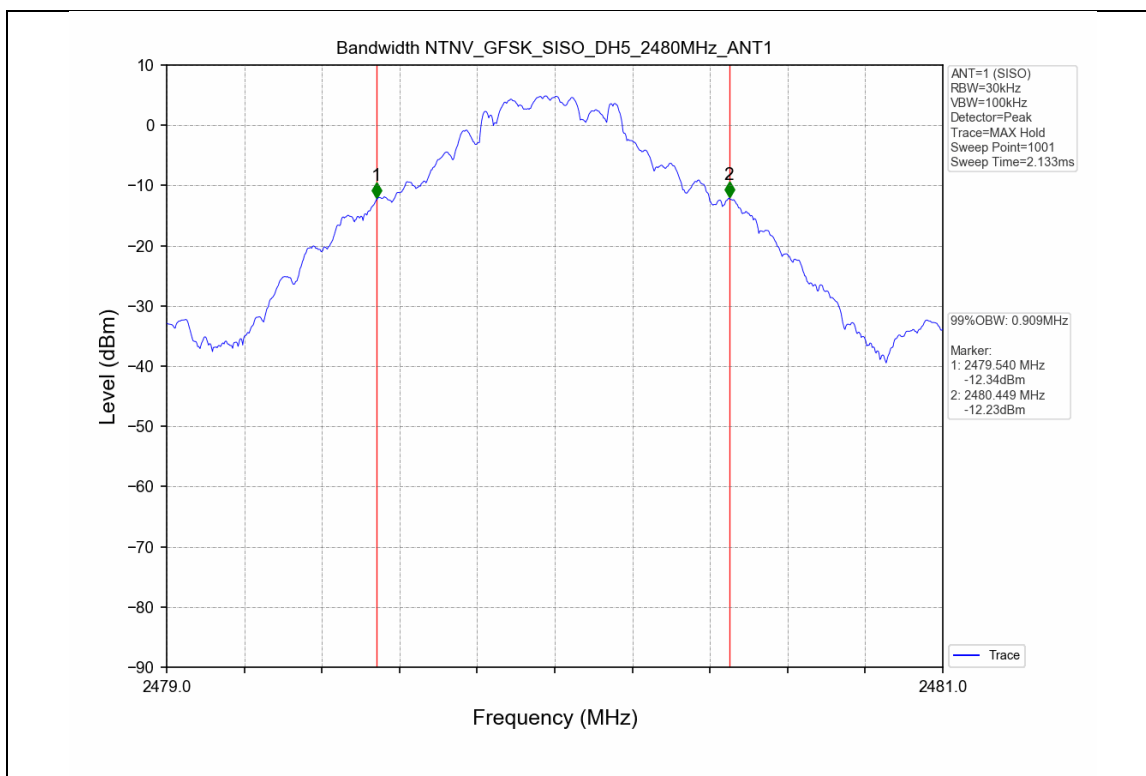


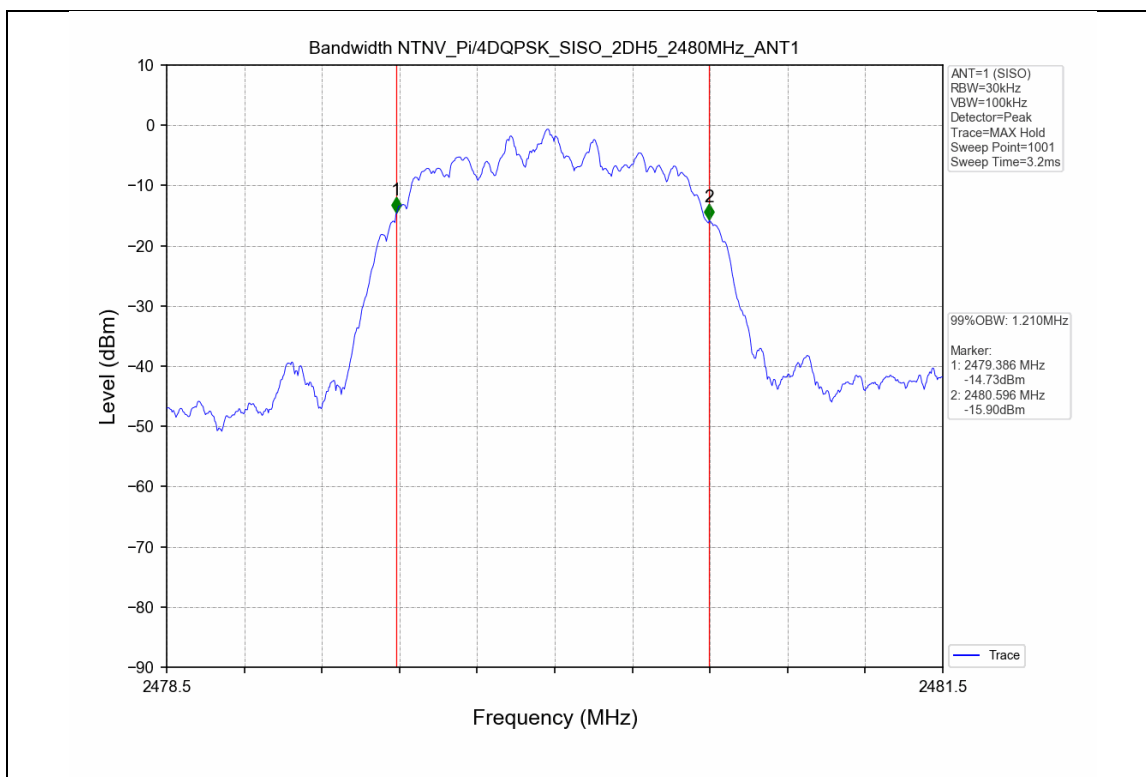
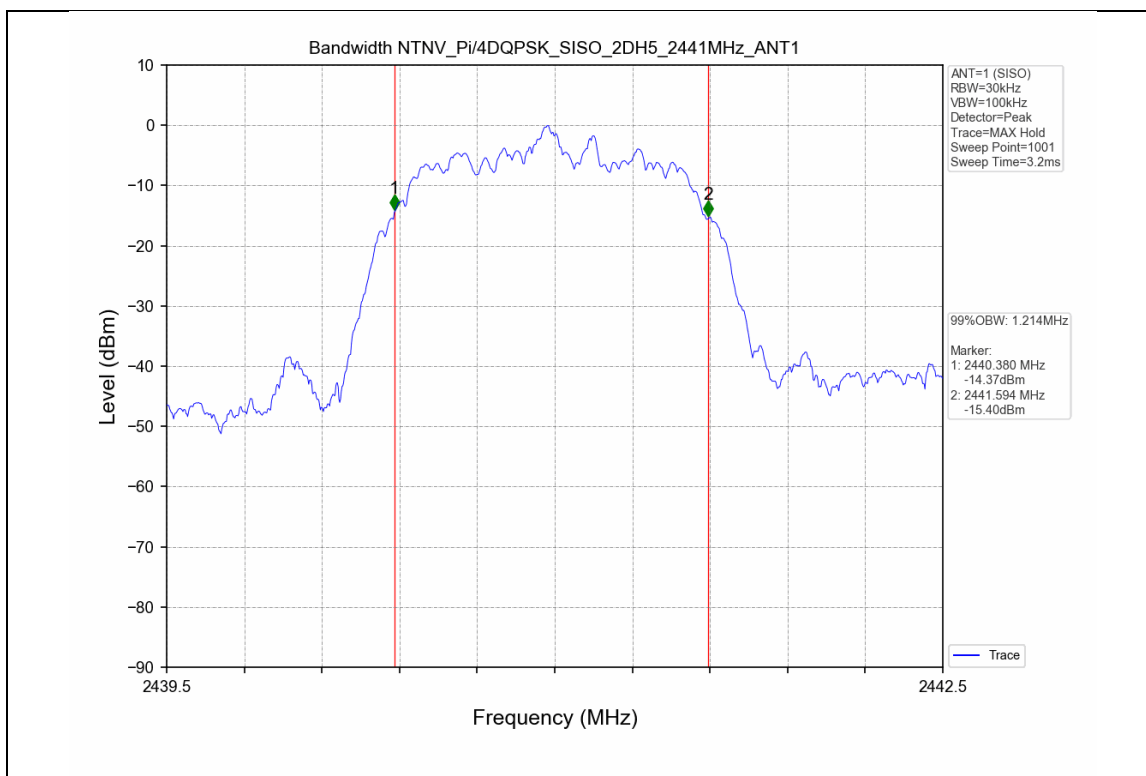


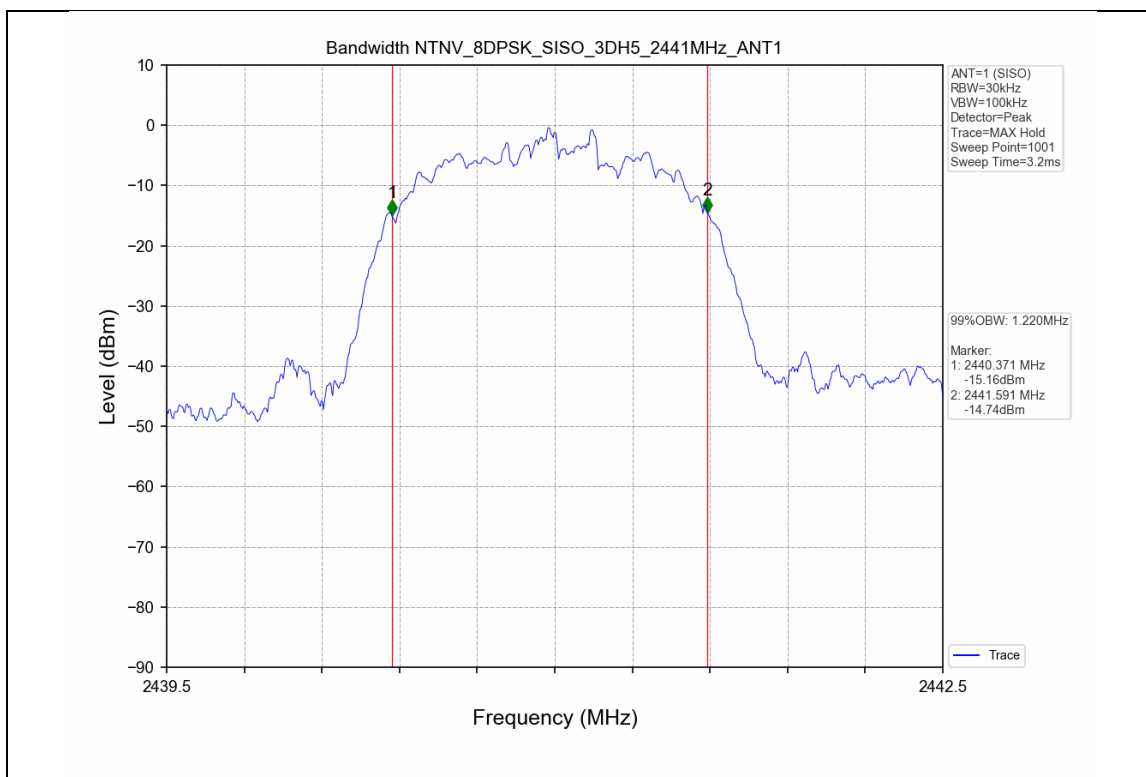
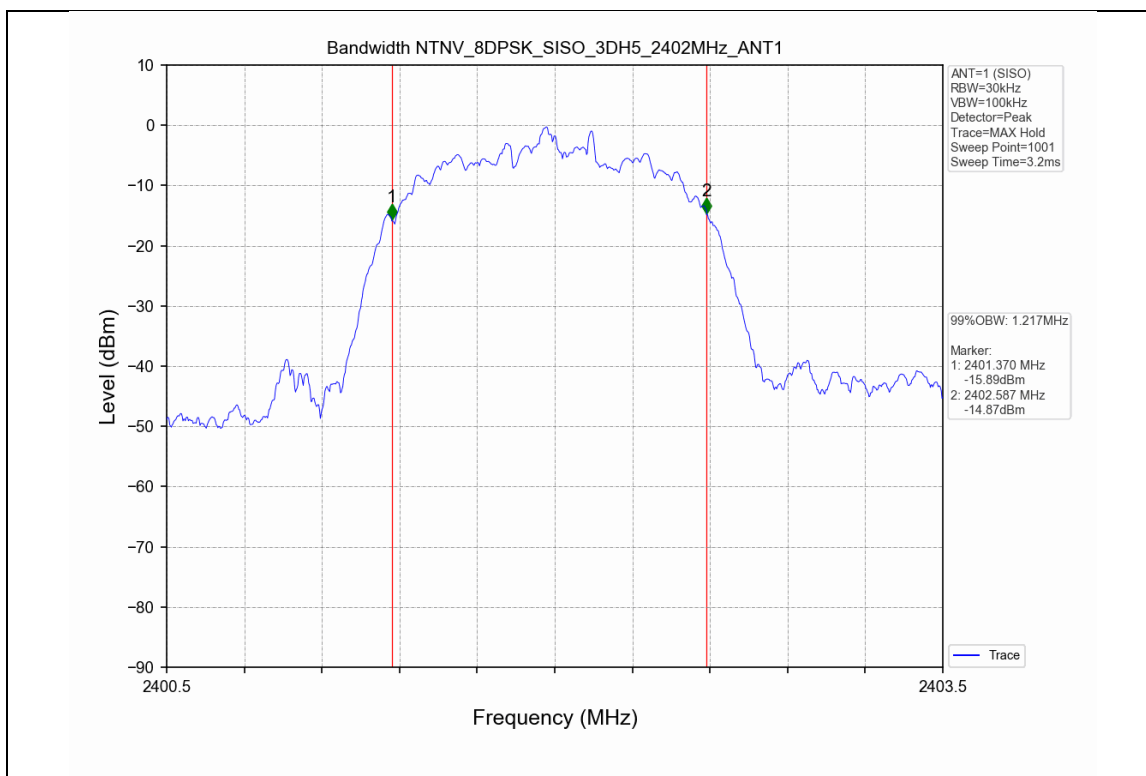


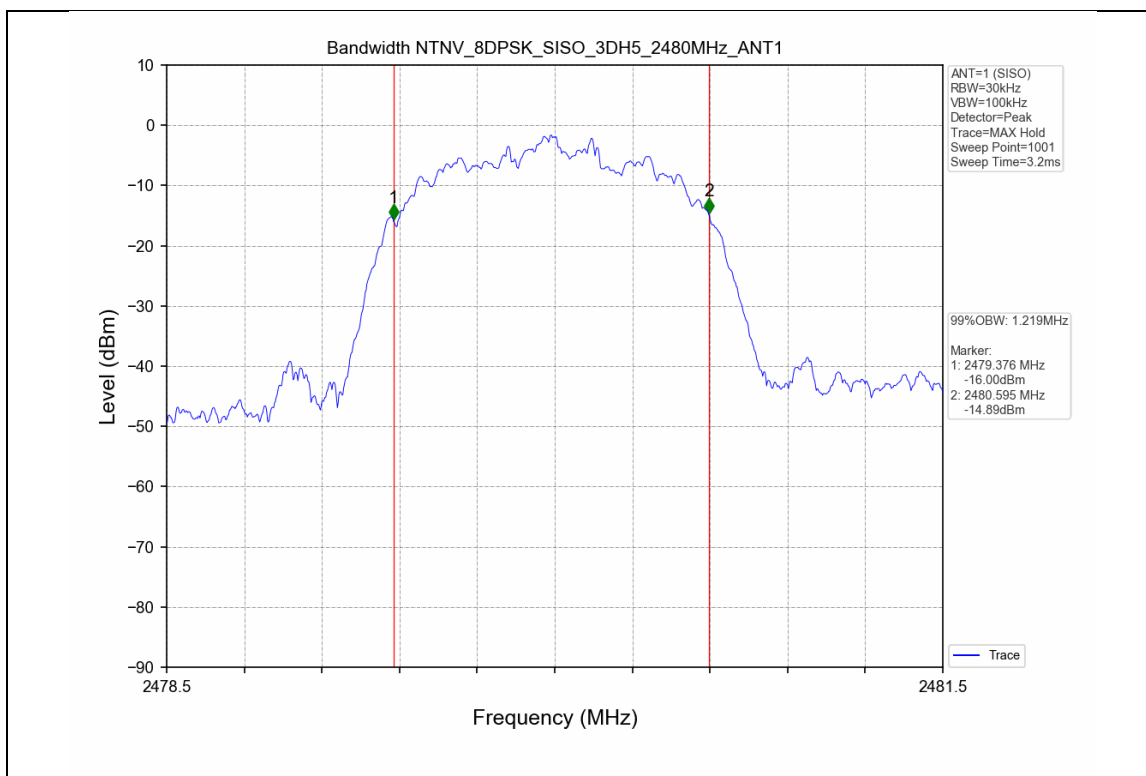
1.3 Test Graph - 99% Occupied Bandwidth











2. Maximum Conducted Output Power

2.1 Test Result

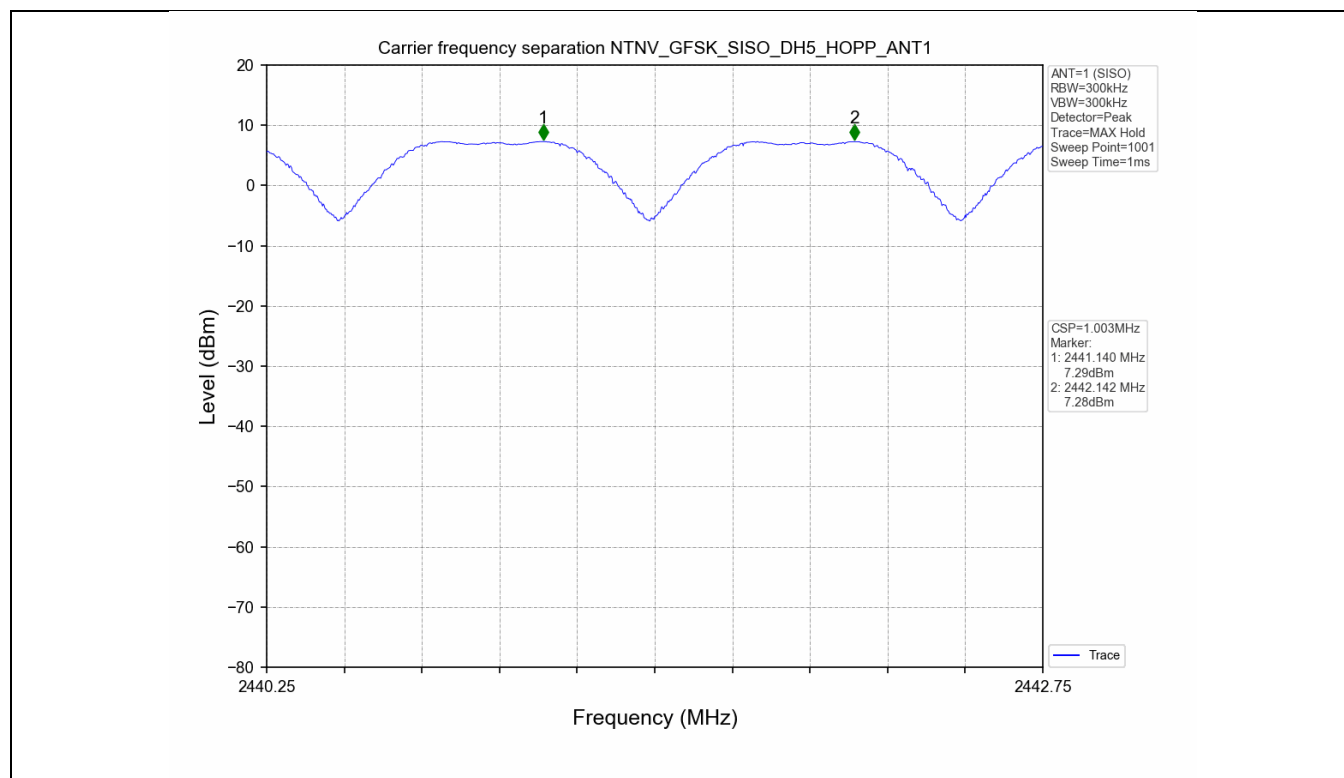
Test Mode	Frequency (MHz)	Tx Type	Measured Peak Output Power (dBm)	Limits (dBm)	Verdict
			Ant 1		
GFSK	2402	SISO	4.37	20.97	PASS
	2441	SISO	4.53	20.97	PASS
	2480	SISO	4.47	20.97	PASS
Pi/4DQPSK	2402	SISO	1.78	20.97	PASS
	2441	SISO	1.95	20.97	PASS
	2480	SISO	1.29	20.97	PASS
8DPSK	2402	SISO	2.04	20.97	PASS
	2441	SISO	2.22	20.97	PASS
	2480	SISO	1.54	20.97	PASS

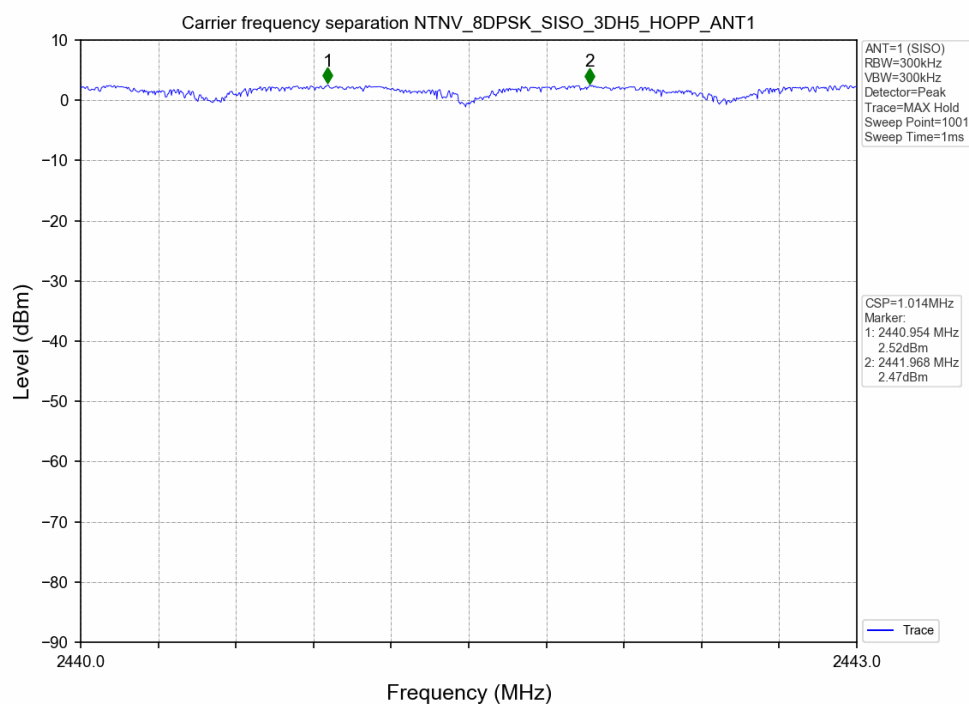
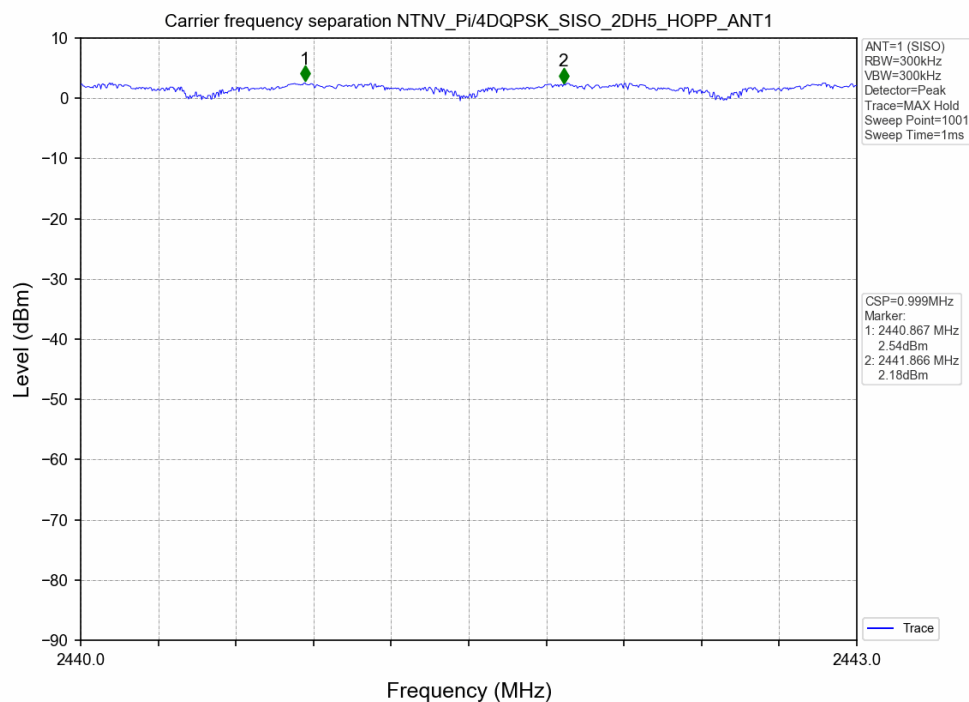
3. Carrier frequency separation

3.1 Test Result

Test Mode	TX Type	ANT No.	Channel Separation (MHz)	20dB Bandwidth (MHz)	Limits (MHz)	Verdict
GFSK	SISO	1	1.003	1.054	≥ 0.703	PASS
Pi/4DQPSK	SISO	1	0.999	1.367	≥ 0.911	PASS
8DPSK	SISO	1	1.014	1.342	≥ 0.895	PASS

3.2 Test Graph





4. Number of hopping frequencies

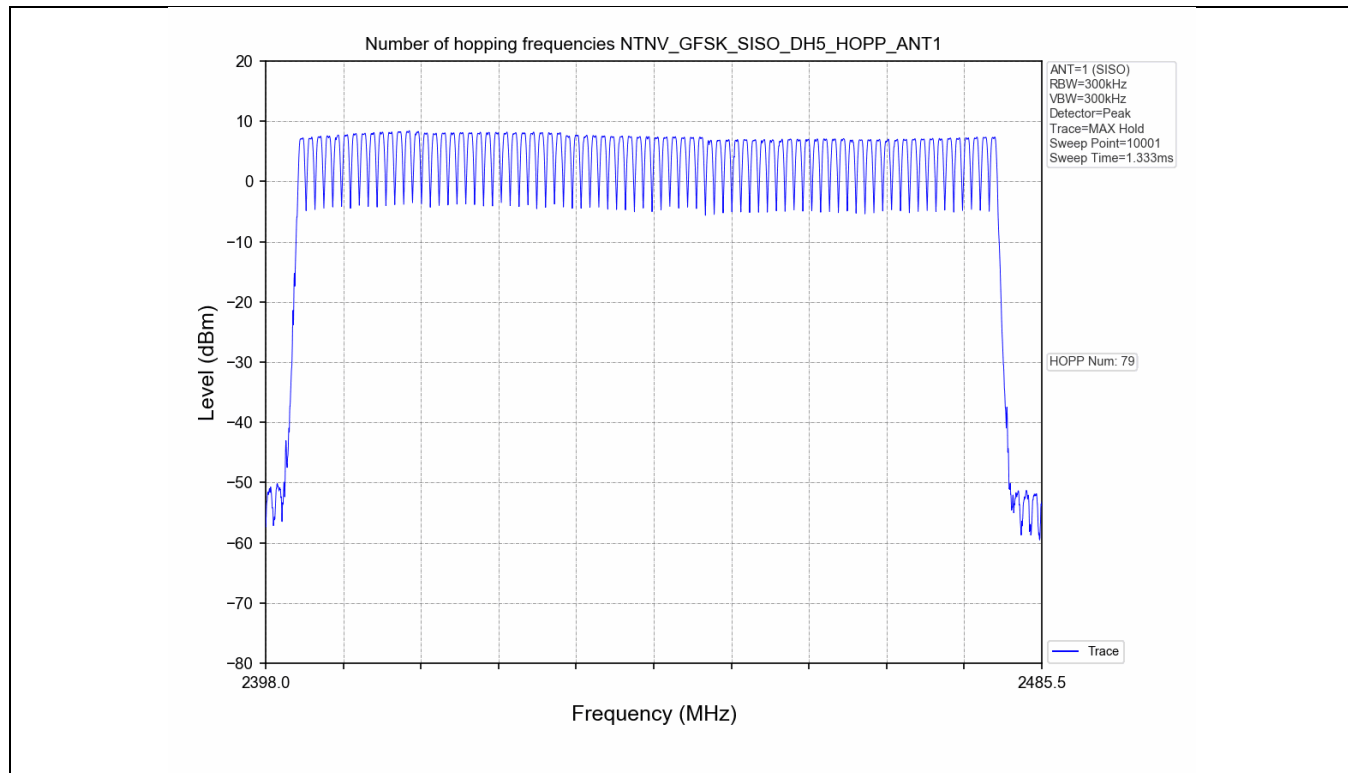
No.10, Weiye Road, Innovation Park, Kunshan, Jiangsu, China 215300
中国·江苏·昆山市留学生创业园伟业路10号 邮编 215300

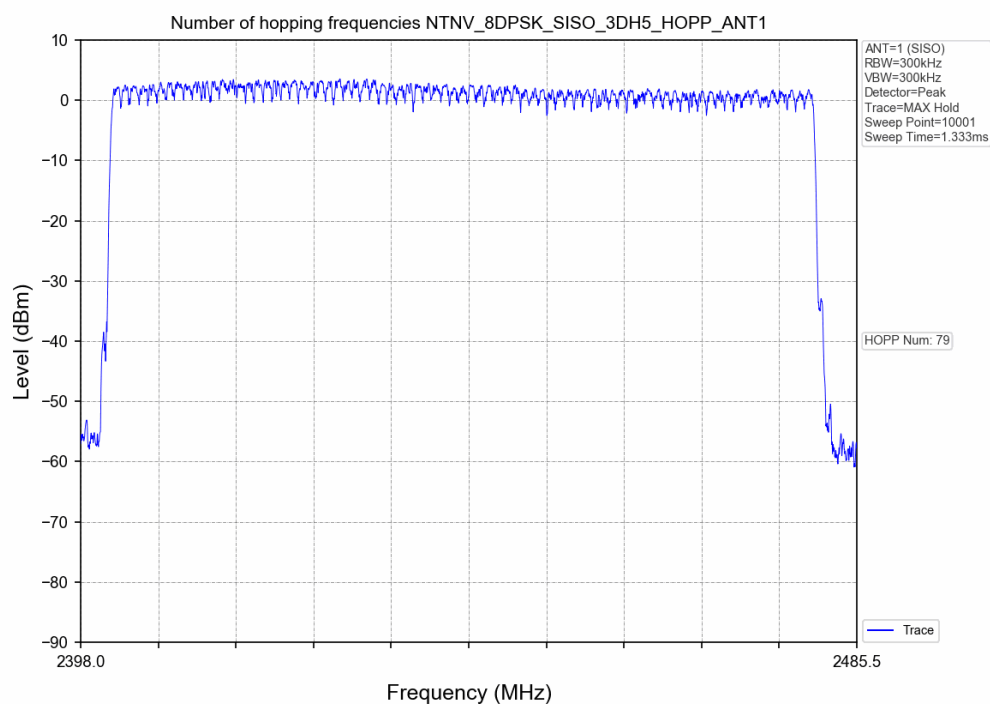
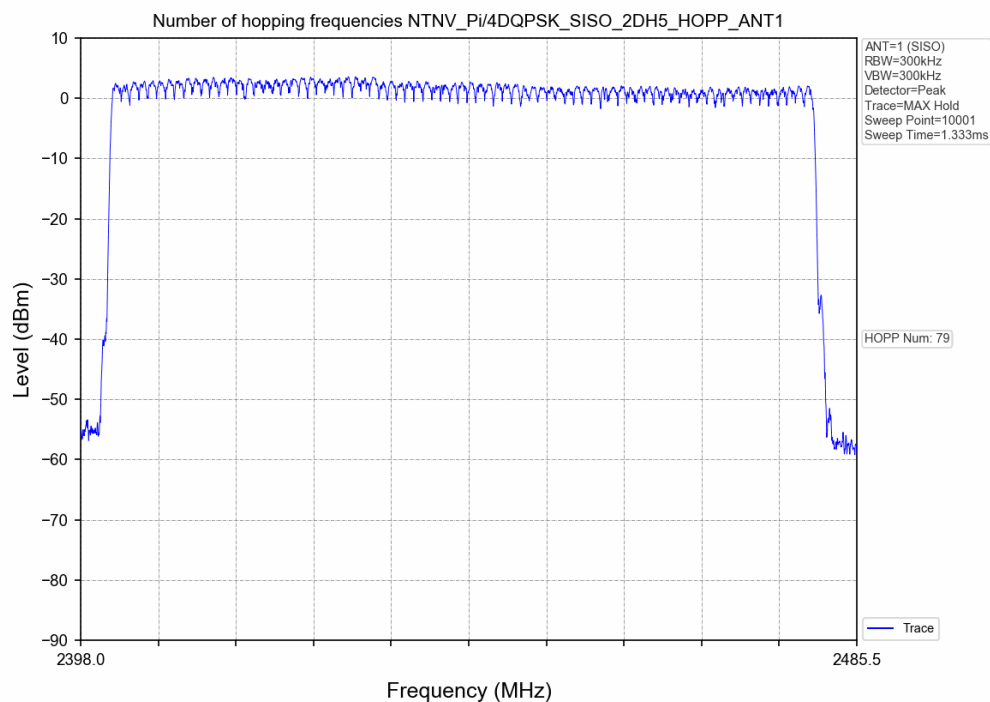
t(86-512)57355888 f(86-512)57370818 www.sgsgroup.com.cn
t(86-512)57355888 f(86-512)57370818 sgs.china@sgs.com

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)

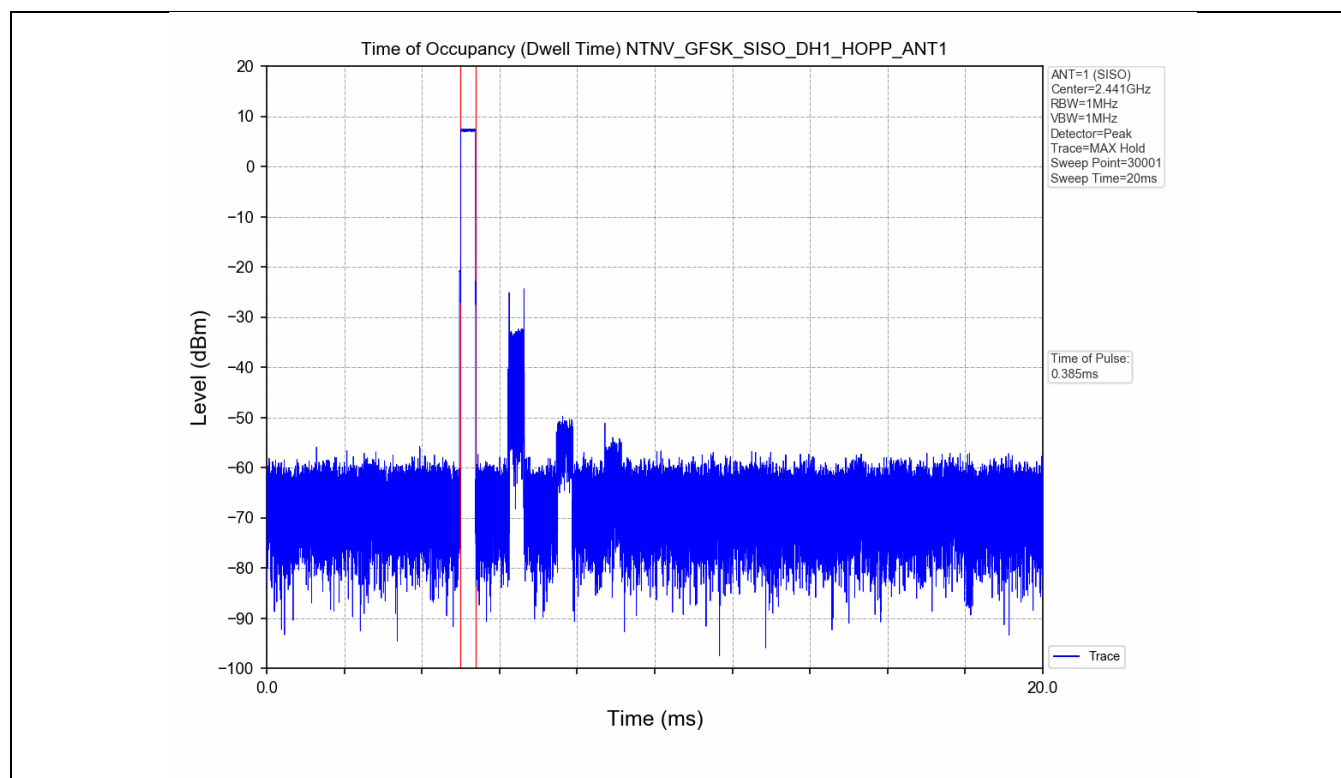
No.10, Weiye Road, Innovation Park, Kunshan, Jiangsu, China 215300
中国·江苏·昆山市留学生创业园伟业路10号 邮编 215300

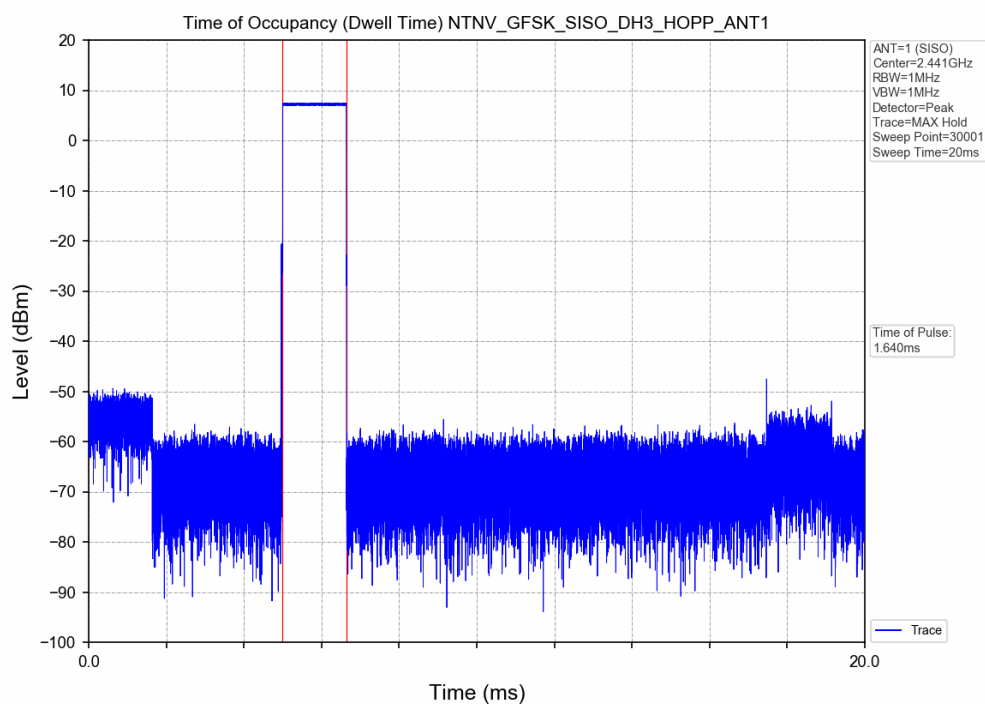
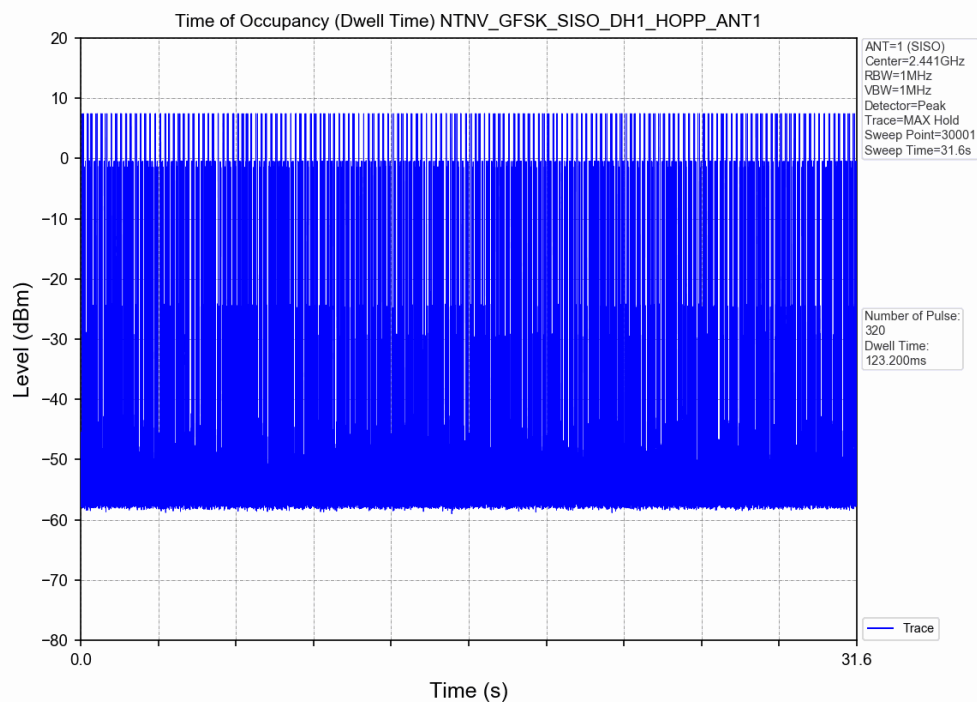
t(86-512)57355888 f(86-512)57370818 www.sgsgroup.com.cn
t(86-512)57355888 f(86-512)57370818 sgs.china@sgs.com

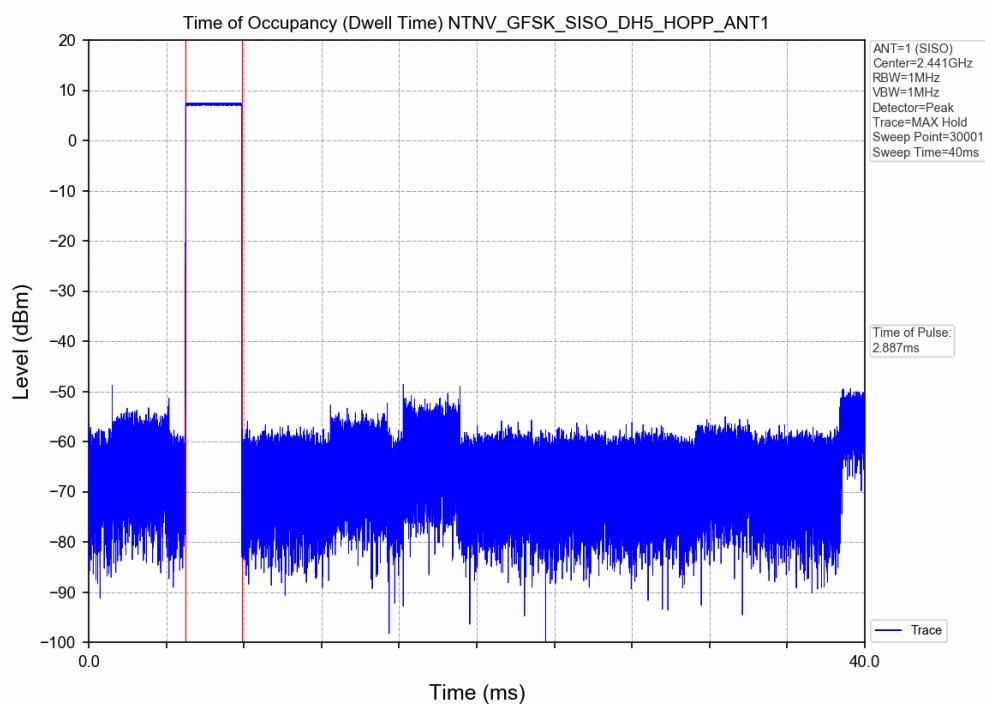
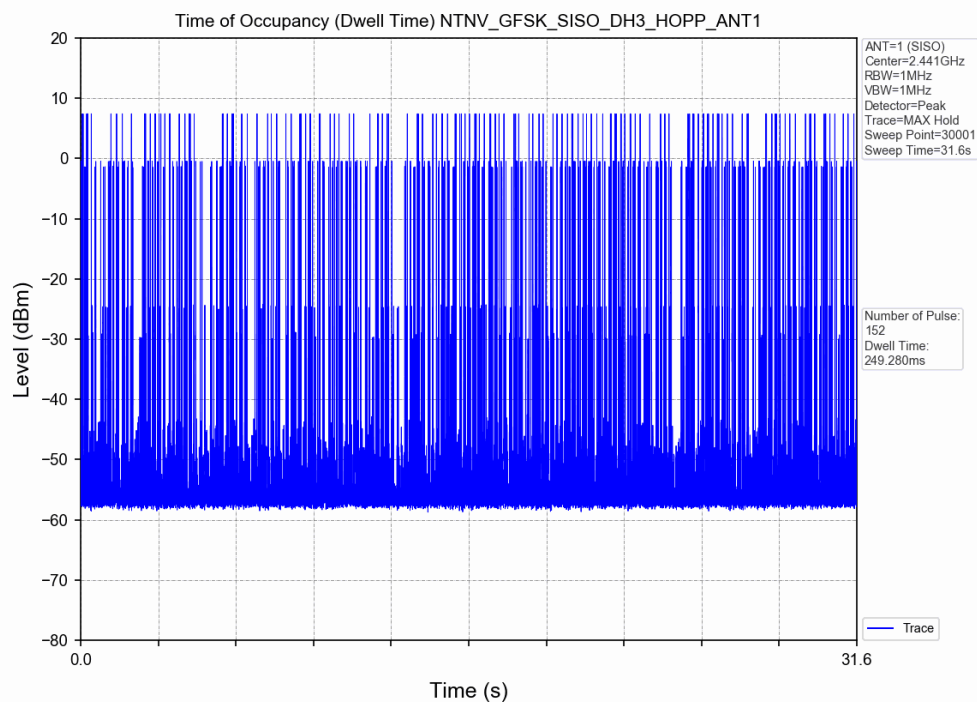
5.1 Test Result

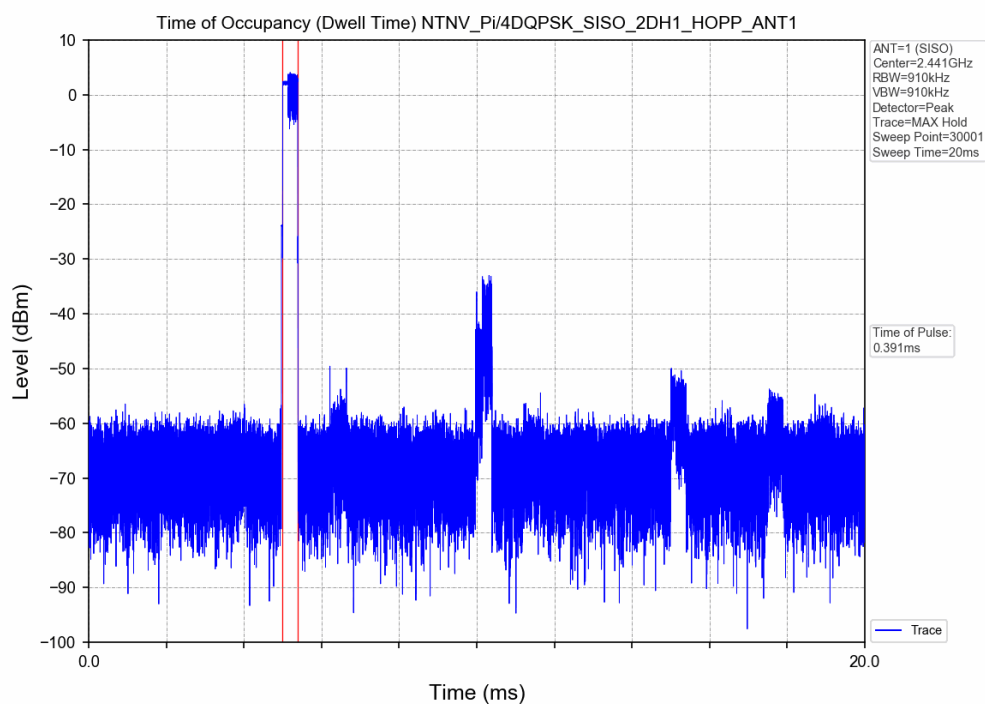
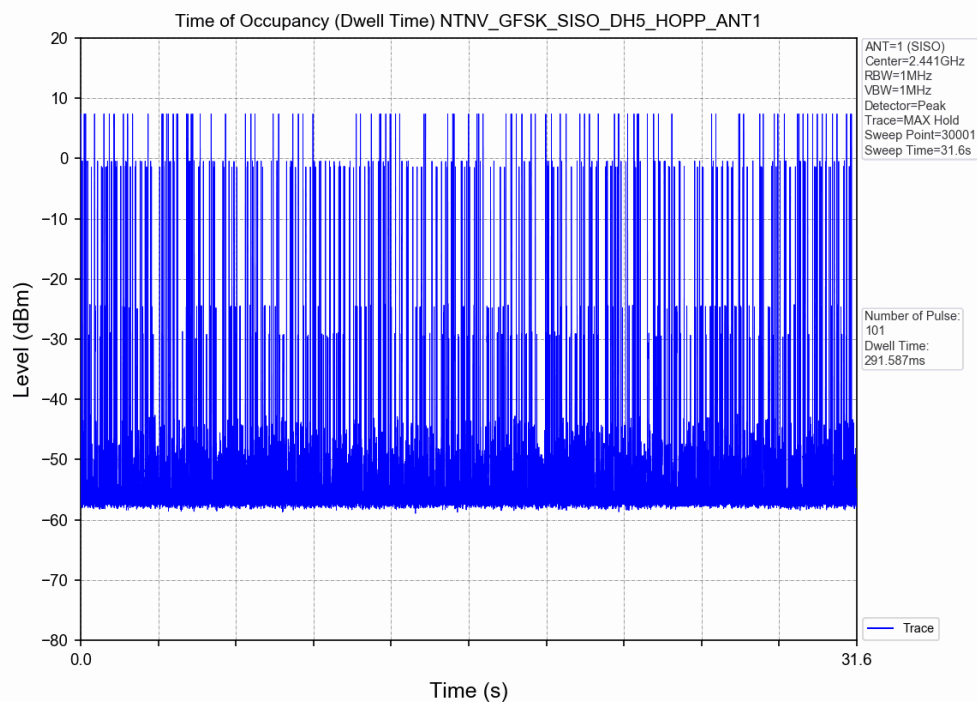
Test Mode	Packet Type	TX Type	ANT No.	Duration of Single Pulse (ms)	Observation Period (s)	Num of Pulse in Observation Period	Dwell Time (ms)	Limits (ms)	Verdict
GFSK	DH1	SISO	1	0.385	31.6	320	123.200	≤400	PASS
	DH3	SISO	1	1.640	31.6	152	249.280	≤400	PASS
	DH5	SISO	1	2.887	31.6	101	291.587	≤400	PASS
Pi/4DQ PSK	2DH1	SISO	1	0.391	31.6	317	123.947	≤400	PASS
	2DH3	SISO	1	1.642	31.6	170	279.140	≤400	PASS
	2DH5	SISO	1	2.890	31.6	111	320.790	≤400	PASS
8DPSK	3DH1	SISO	1	0.423	31.6	320	135.360	≤400	PASS
	3DH3	SISO	1	1.676	31.6	159	266.484	≤400	PASS
	3DH5	SISO	1	2.893	31.6	110	318.230	≤400	PASS

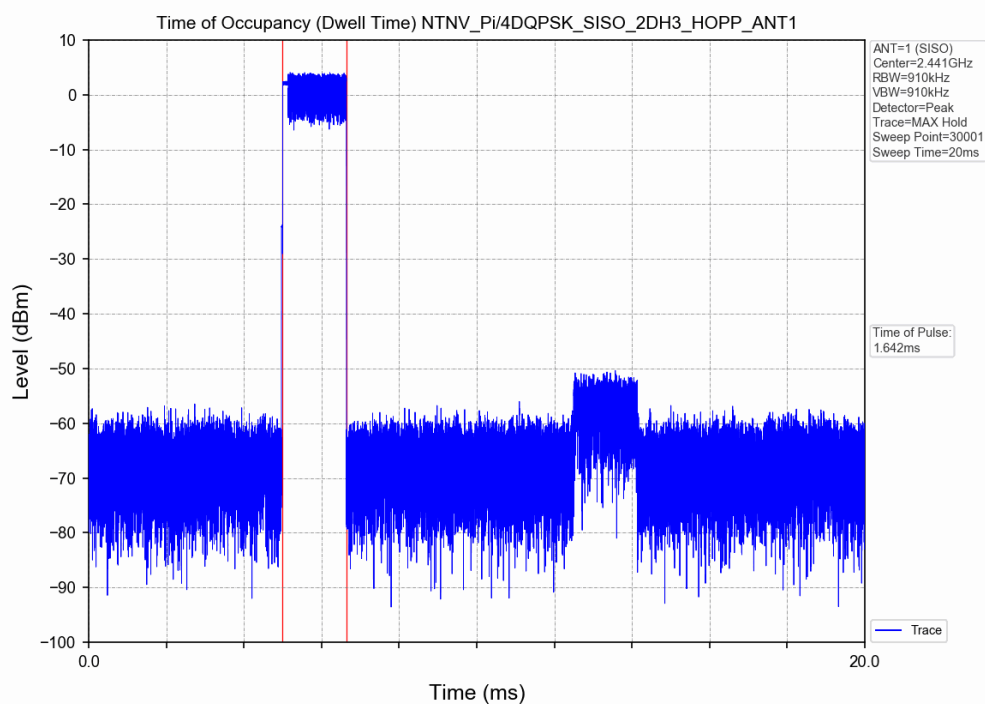
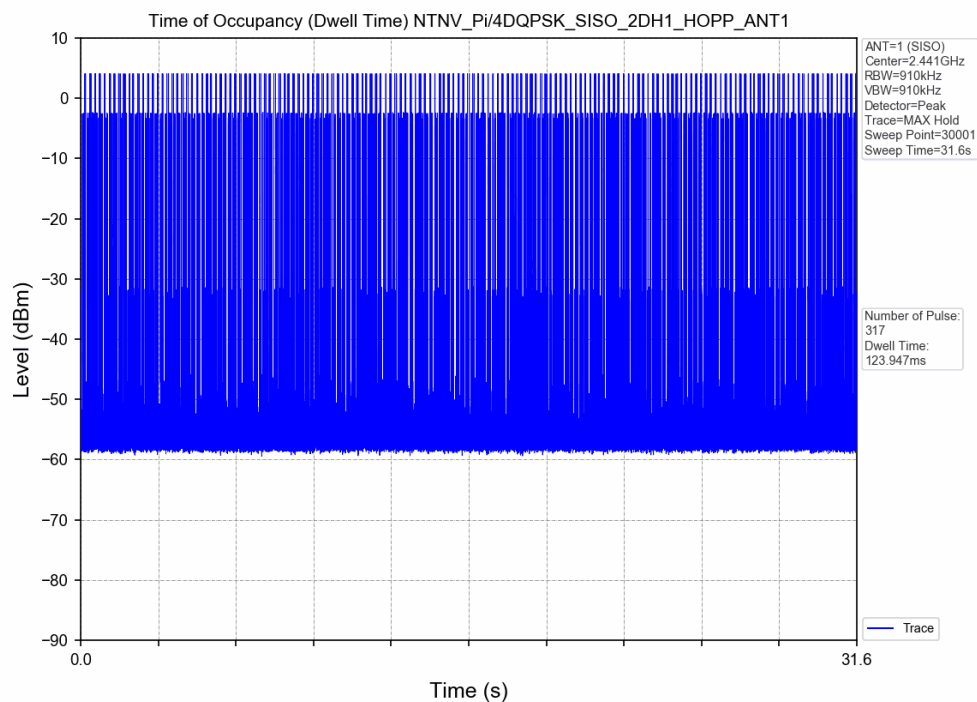
5.2 Test Graph

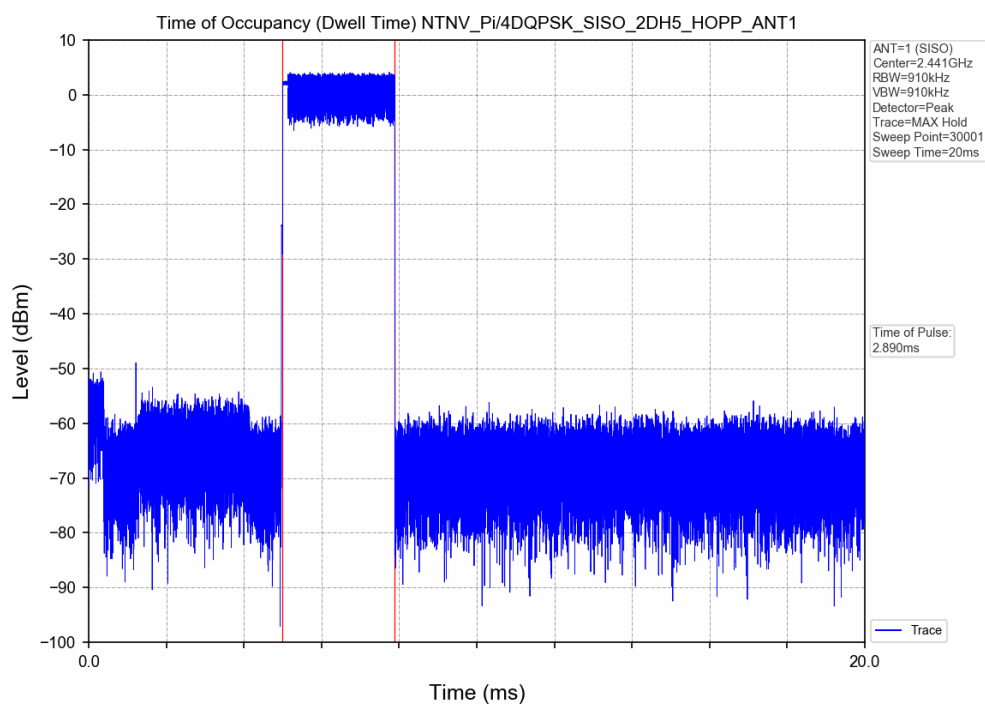
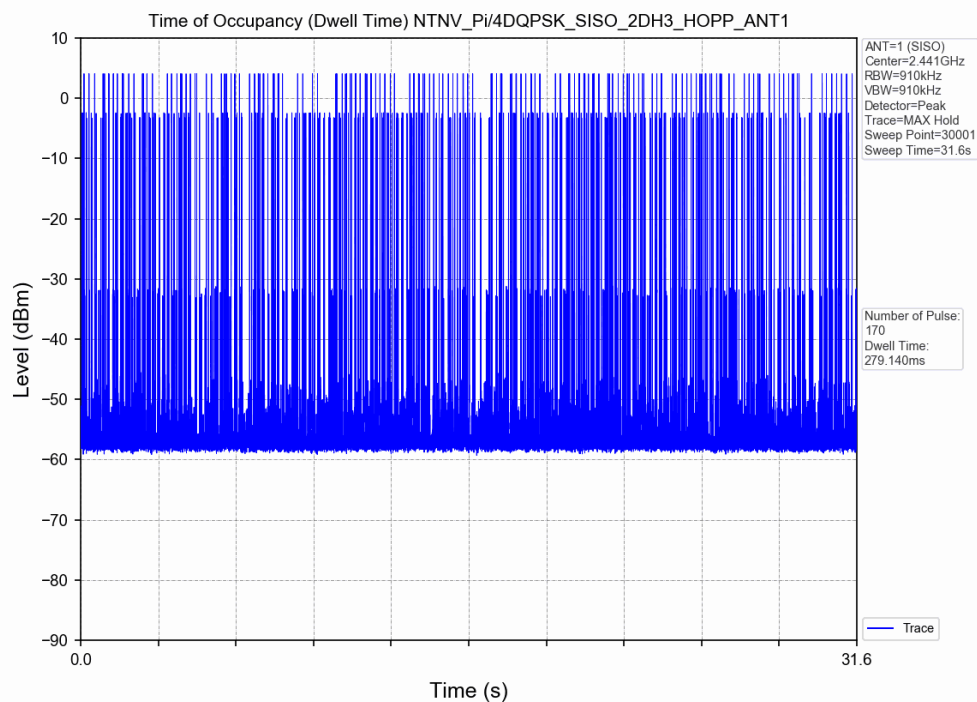


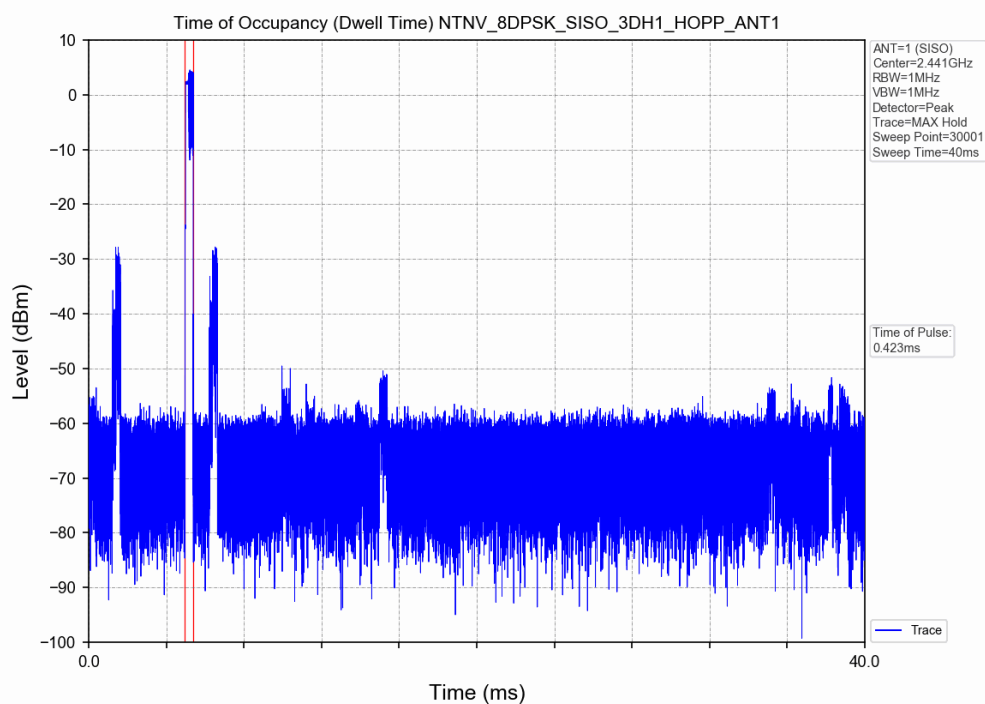
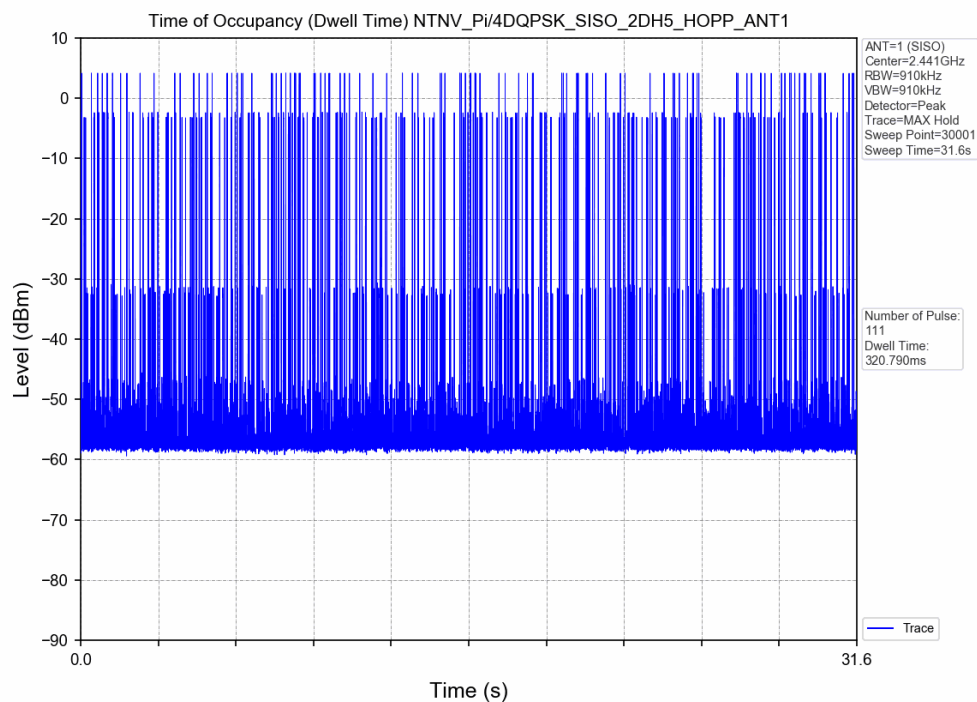


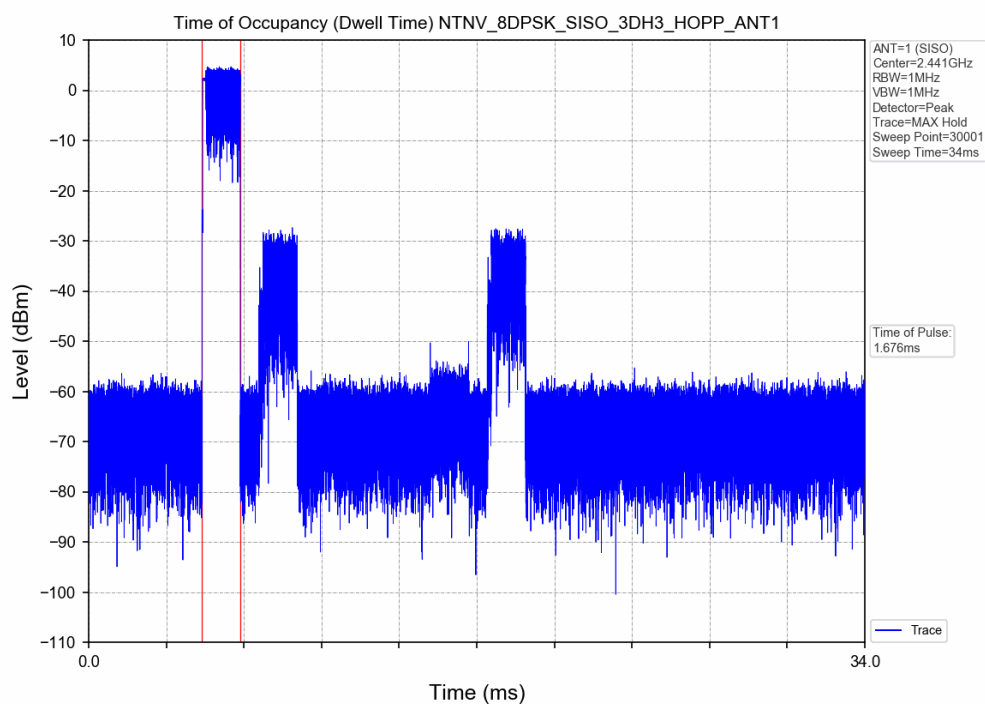
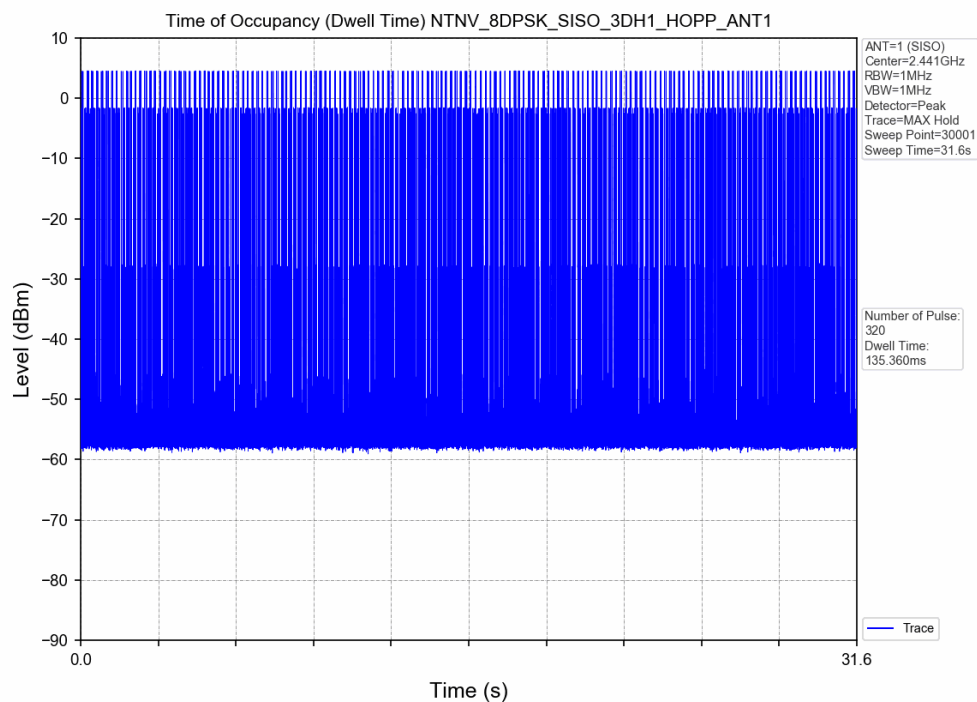


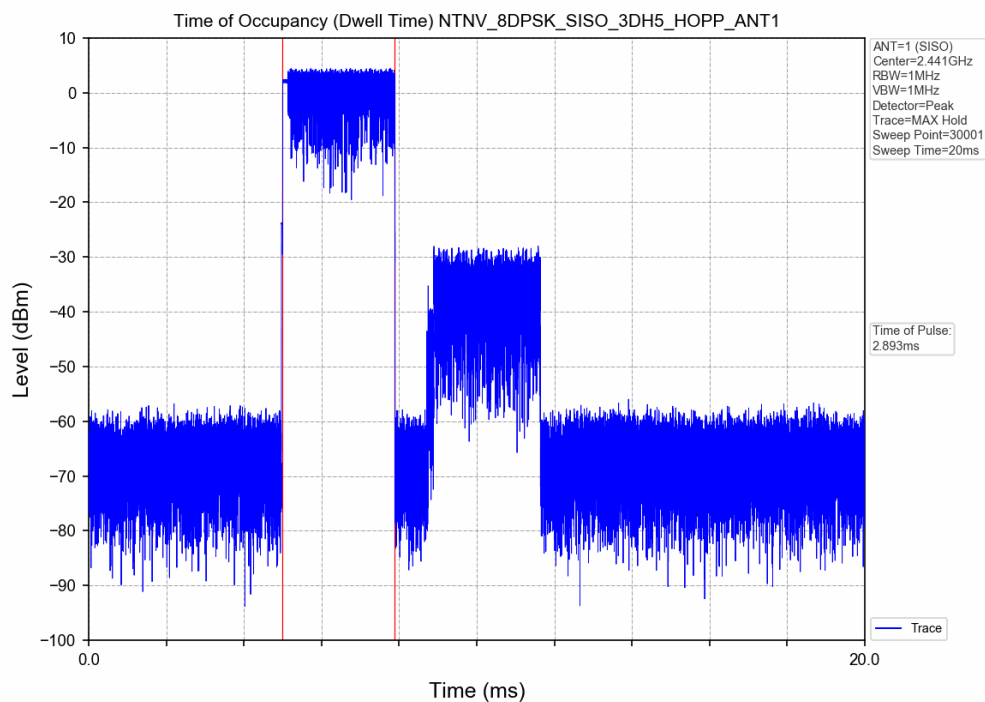
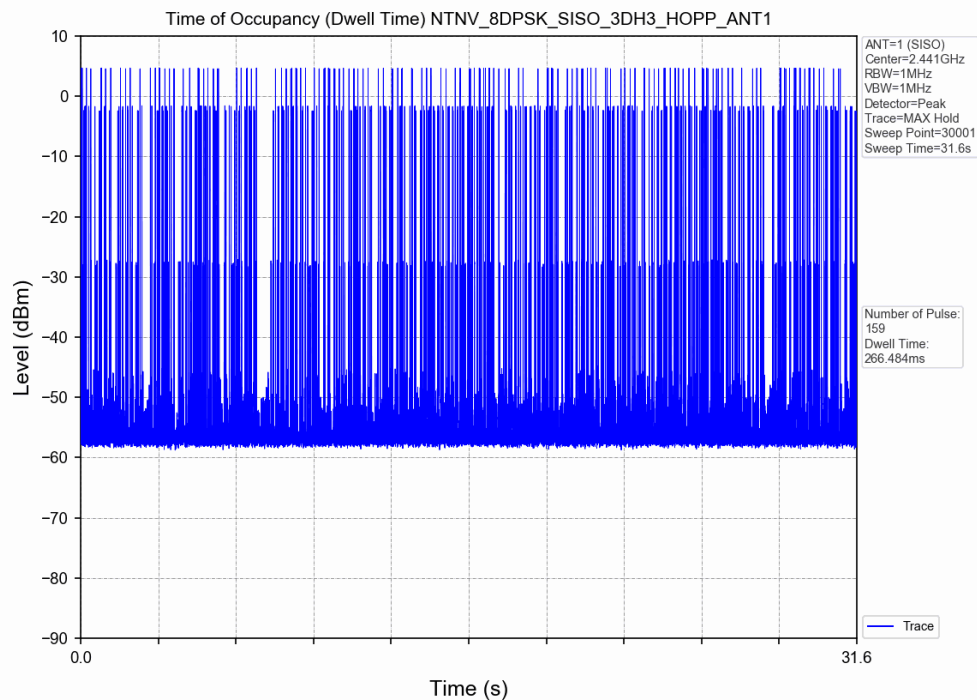


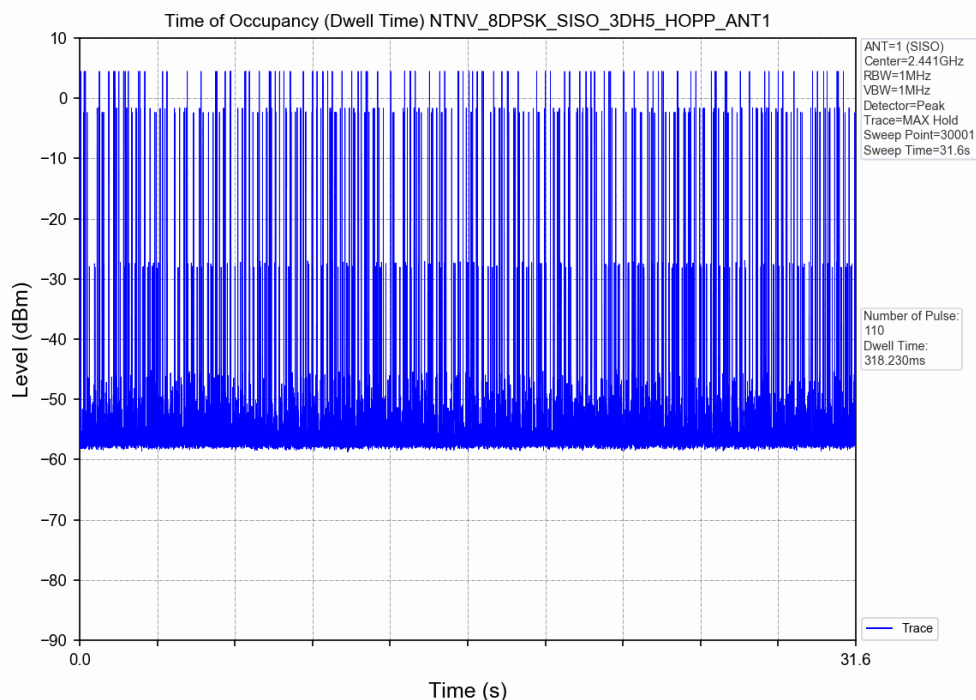












6. Unwanted Emissions in Non-restricted Frequency Bands

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	-15.46	PASS
	2441	SISO	1	Refer to test graph	-15.46	PASS
	2480	SISO	1	Refer to test graph	-15.46	PASS
	Hopping	SISO	1	Refer to test graph	-15.46	PASS
Pi/4DQPSK	2402	SISO	1	Refer to test graph	-18.26	PASS
	2441	SISO	1	Refer to test graph	-18.26	PASS
	2480	SISO	1	Refer to test graph	-18.26	PASS
	Hopping	SISO	1	Refer to test graph	-18.26	PASS
8DPSK	2402	SISO	1	Refer to test graph	-18.35	PASS
	2441	SISO	1	Refer to test graph	-18.35	PASS
	2480	SISO	1	Refer to test graph	-18.35	PASS
	Hopping	SISO	1	Refer to test graph	-18.35	PASS

6.2 Test Graph

