



Appendix for 15.247

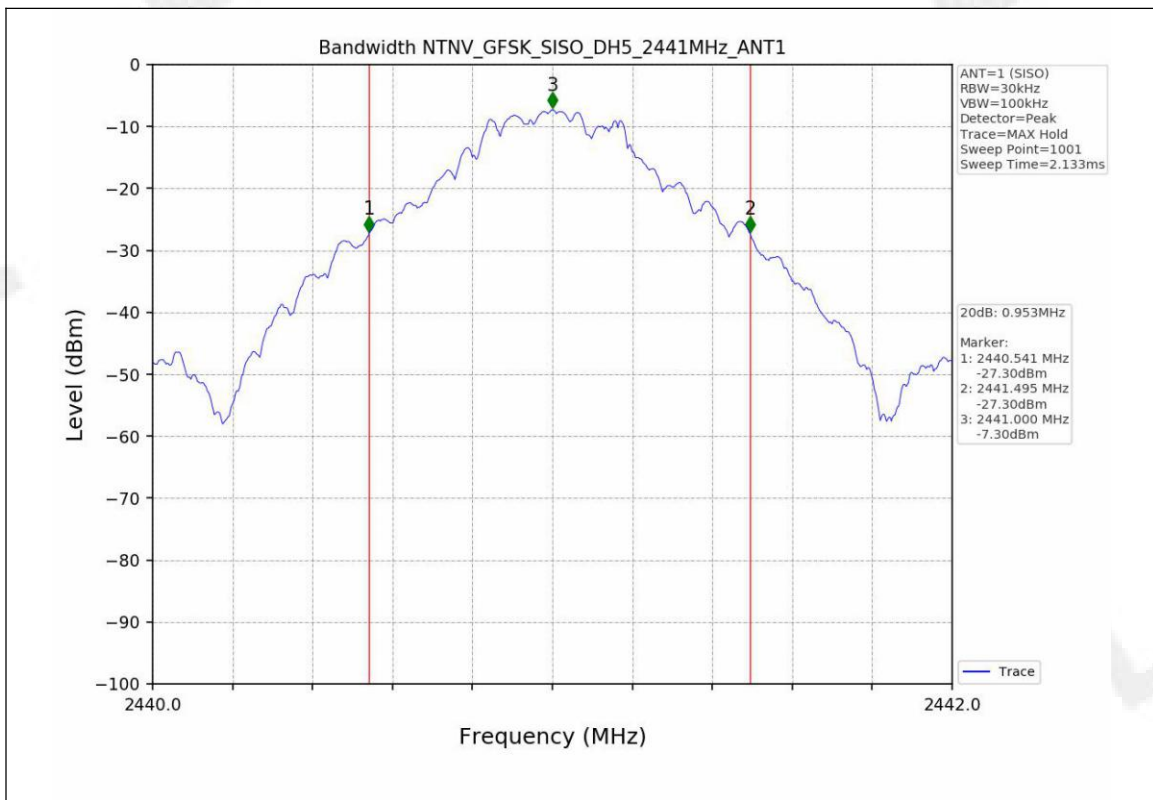
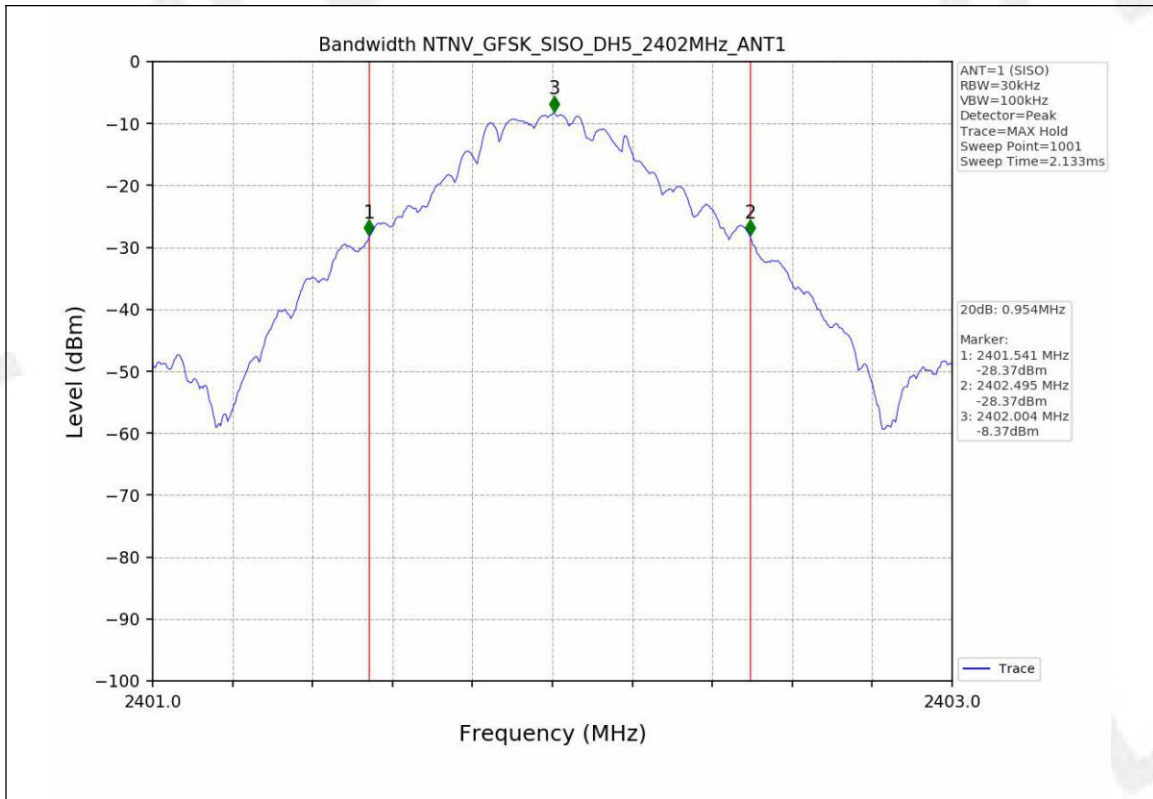
1. Bandwidth

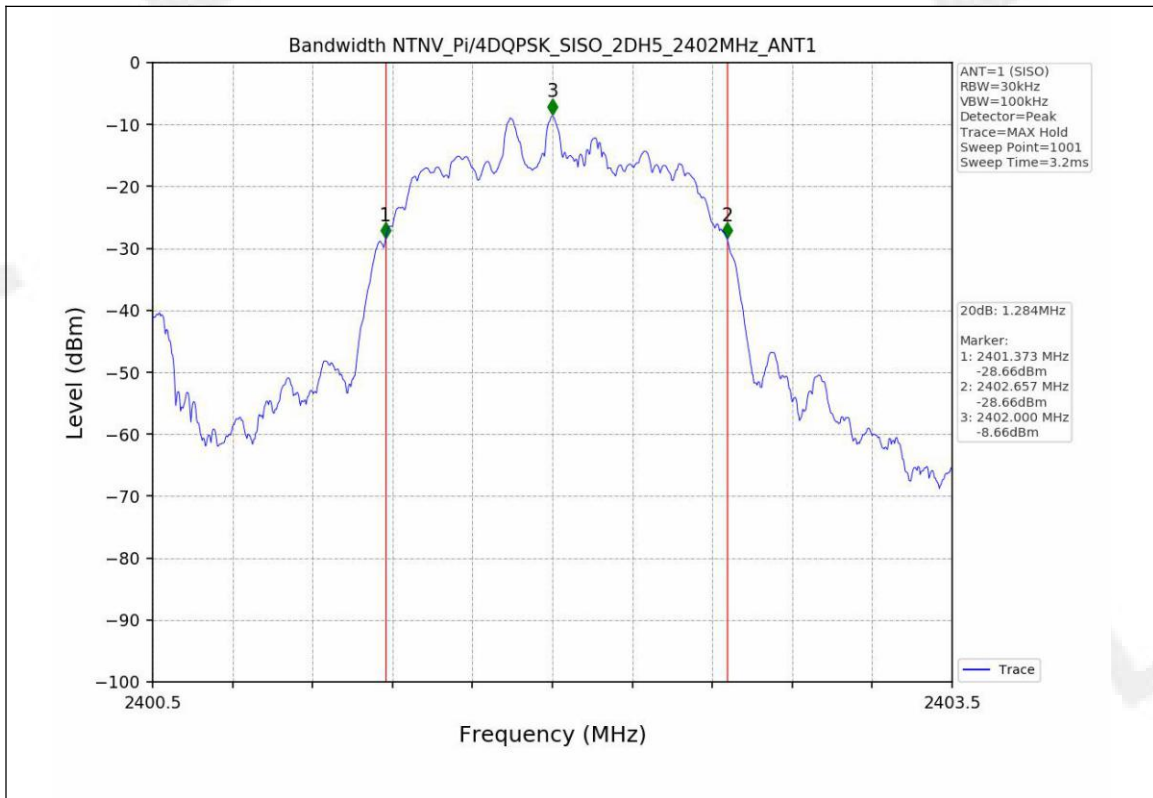
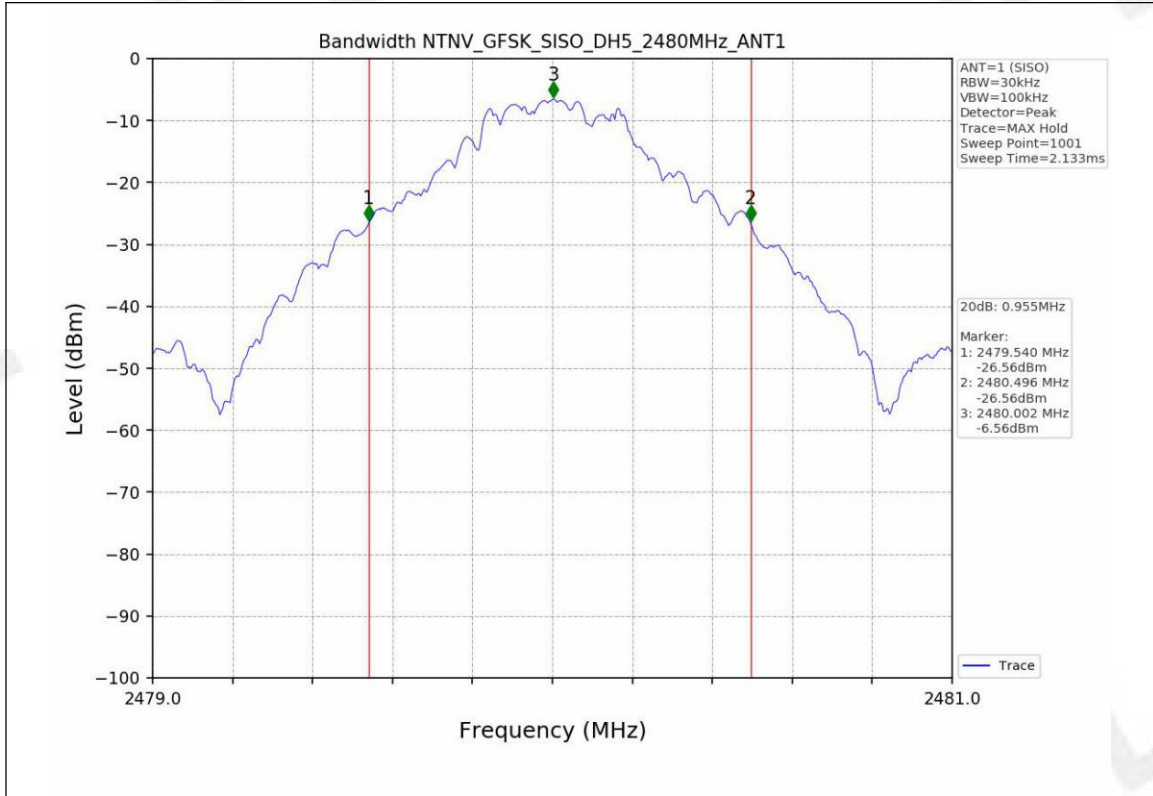
1.1 Test Result

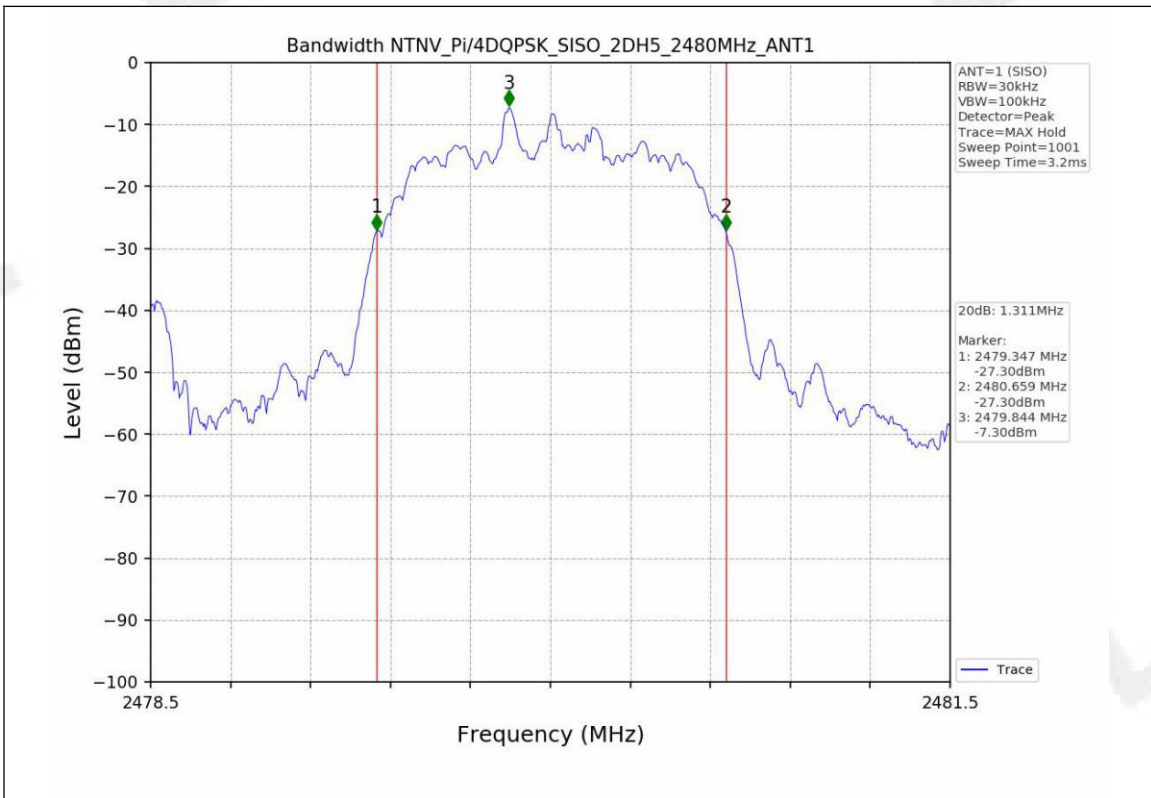
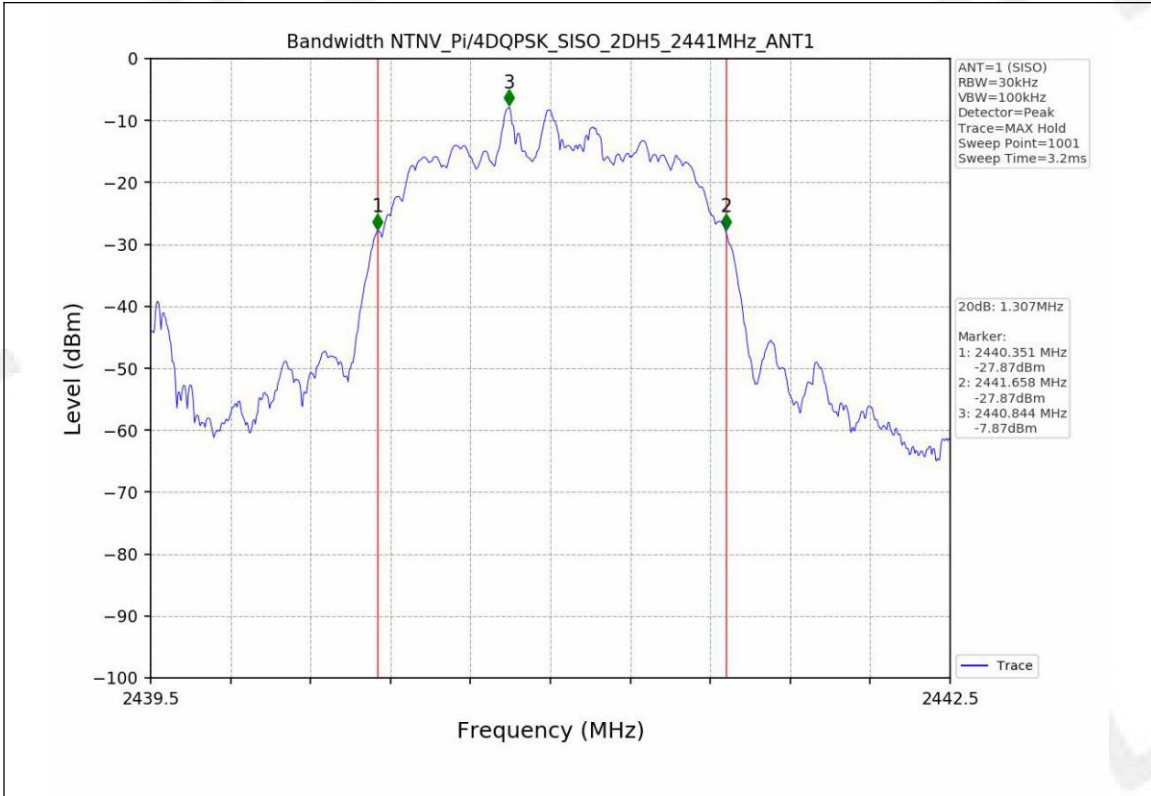
Test Mode	Frequency (MHz)	TX Type	ANT No.	20dB Bandwidth	Verdict
				Test Result (MHz)	
GFSK	2402	SISO	1	0.954	PASS
	2441	SISO	1	0.953	PASS
	2480	SISO	1	0.955	PASS
Pi/4DQPSK	2402	SISO	1	1.284	PASS
	2441	SISO	1	1.307	PASS
	2480	SISO	1	1.311	PASS
8DPSK	2402	SISO	1	1.283	PASS
	2441	SISO	1	1.281	PASS
	2480	SISO	1	1.309	PASS

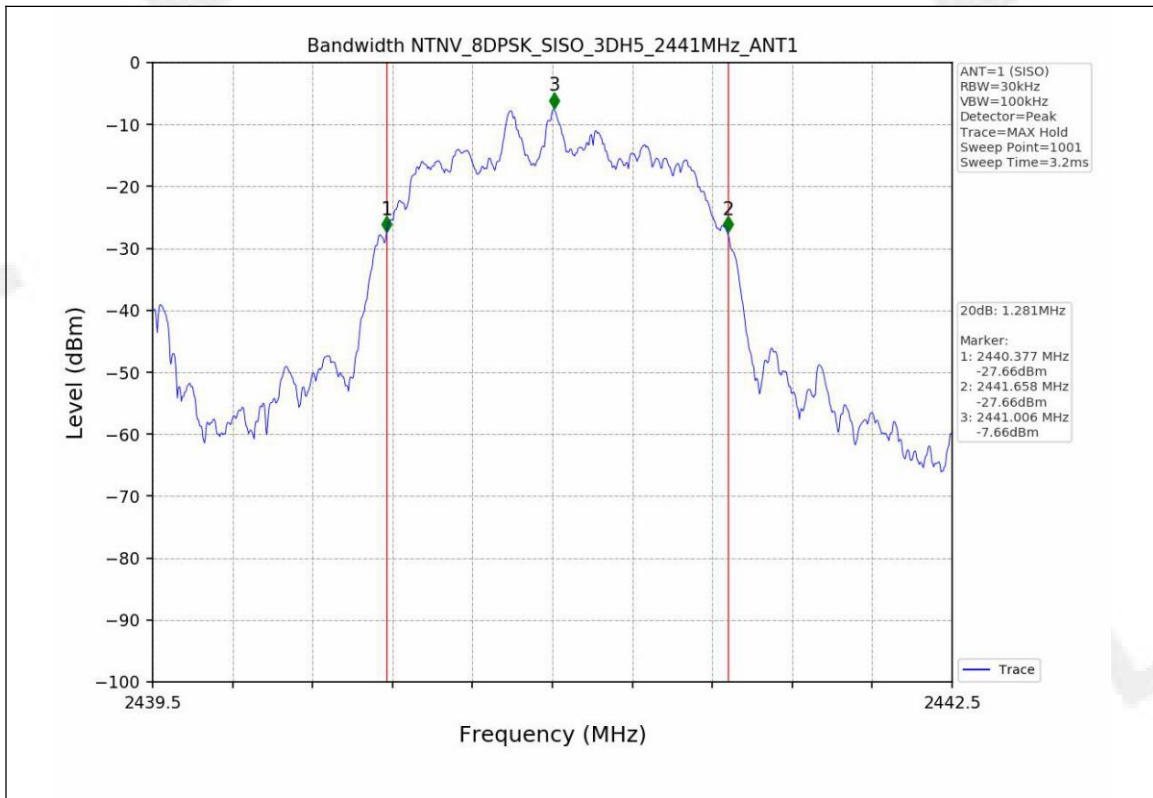
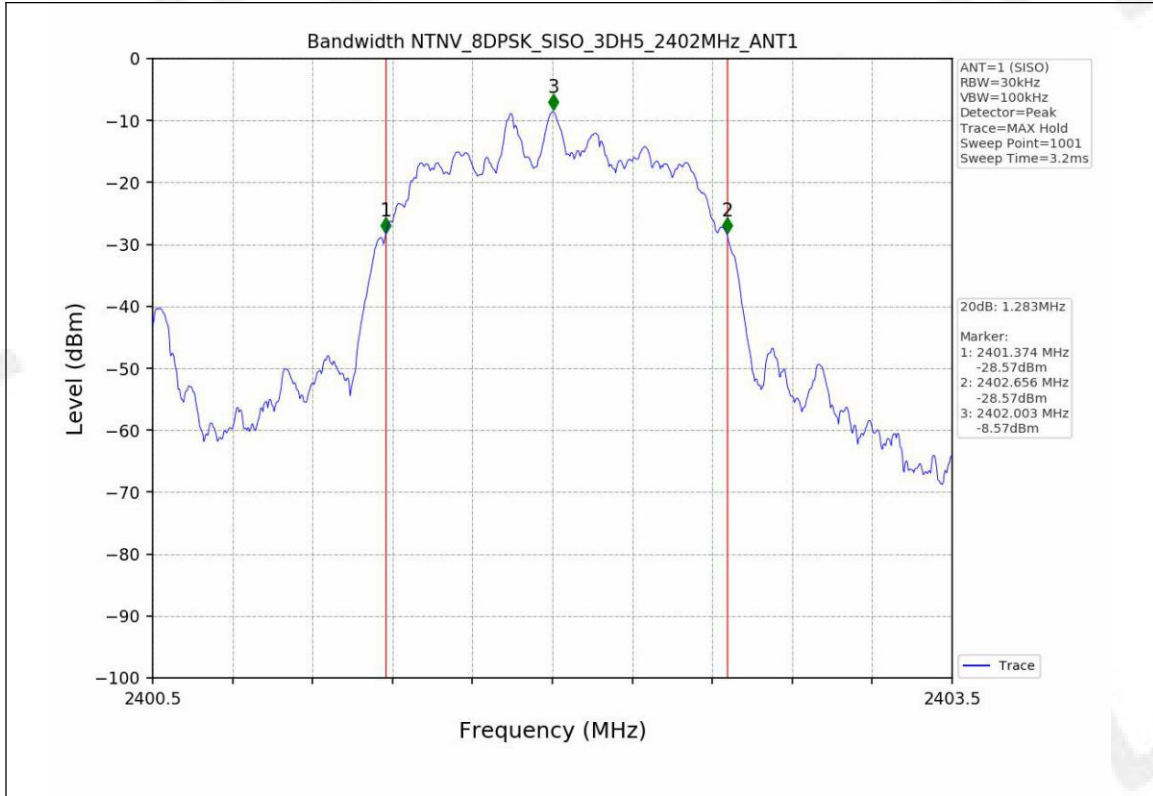
Test Mode	Frequency (MHz)	TX Type	ANT No.	99% Occupied Bandwidth	
				Test Result (MHz)	
GFSK	2402	SISO	1	0.851	Only for Report Use
	2441	SISO	1	0.855	Only for Report Use
	2480	SISO	1	0.855	Only for Report Use
Pi/4DQPSK	2402	SISO	1	1.176	Only for Report Use
	2441	SISO	1	1.173	Only for Report Use
	2480	SISO	1	1.177	Only for Report Use
8DPSK	2402	SISO	1	1.169	Only for Report Use
	2441	SISO	1	1.171	Only for Report Use
	2480	SISO	1	1.171	Only for Report Use

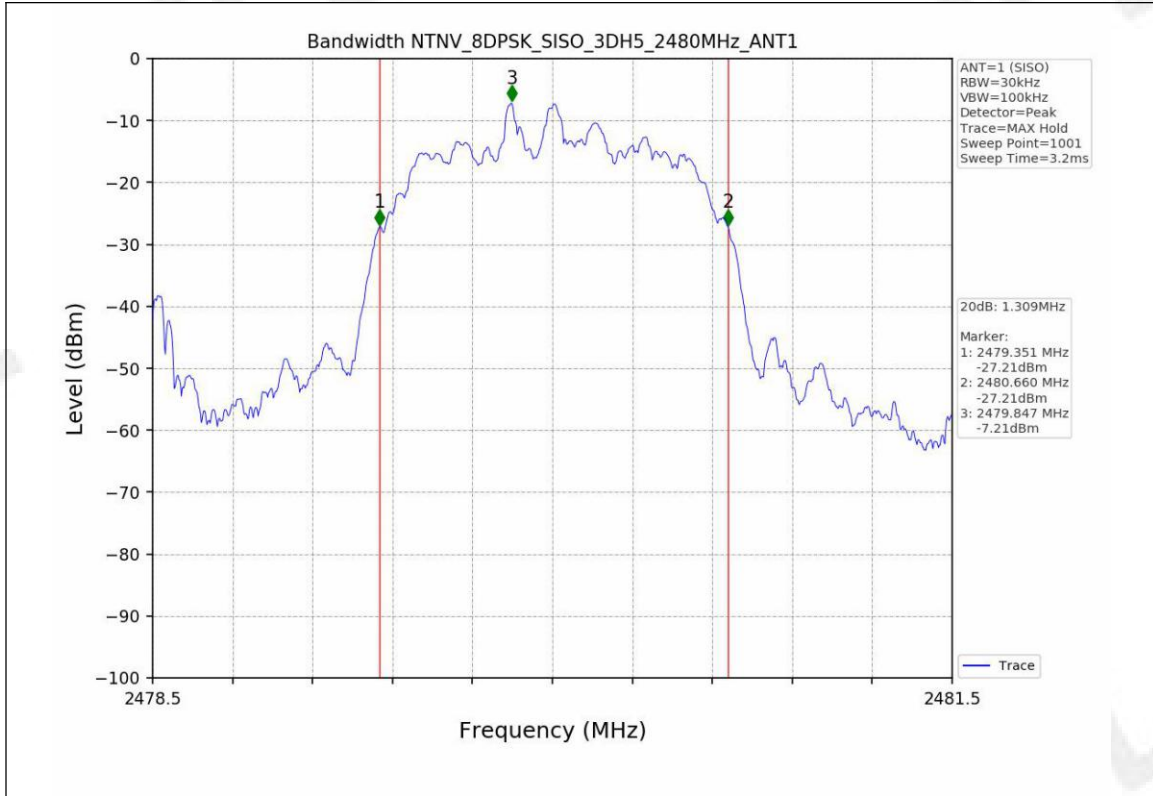
1.2 Test Graph - 20dB Bandwidth



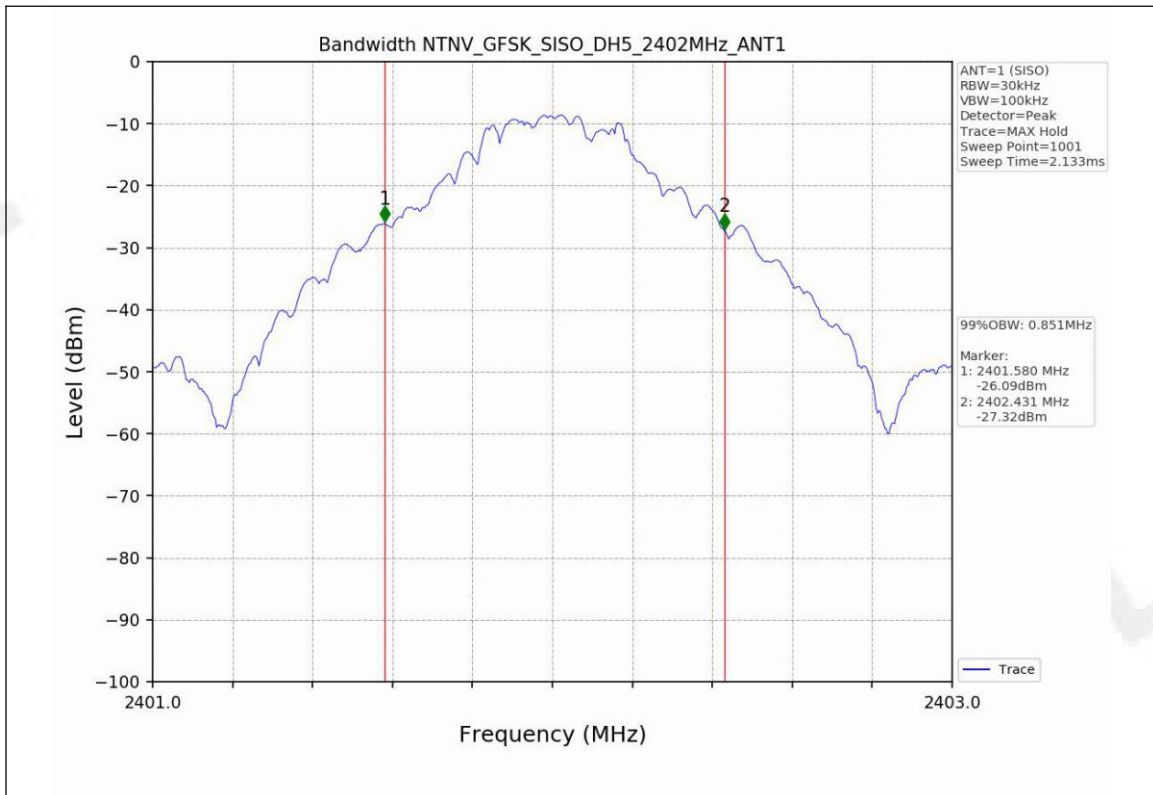


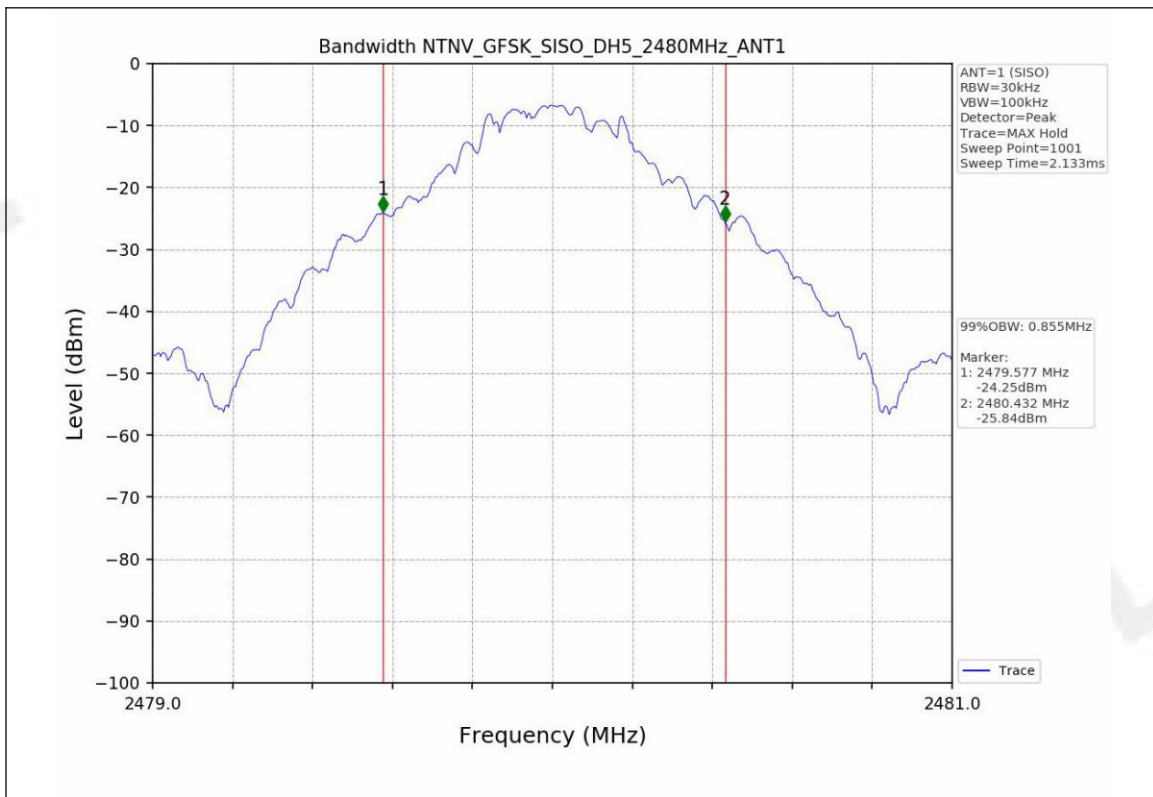
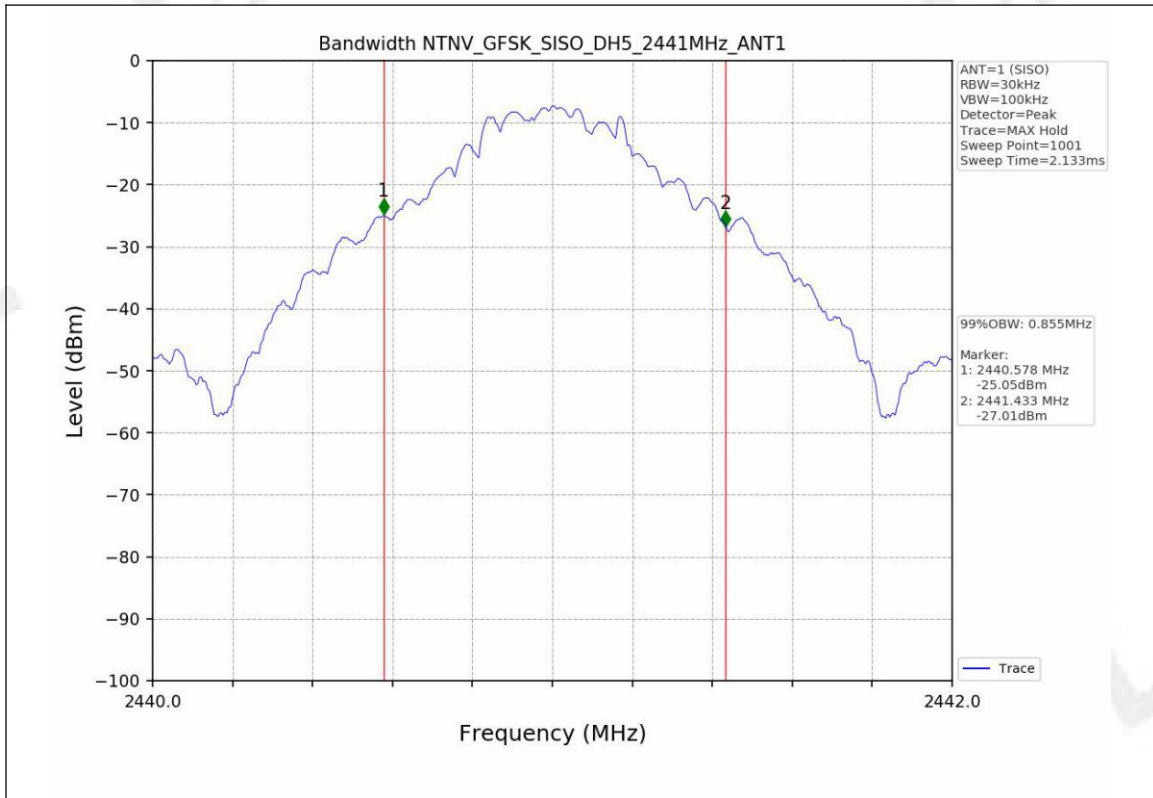


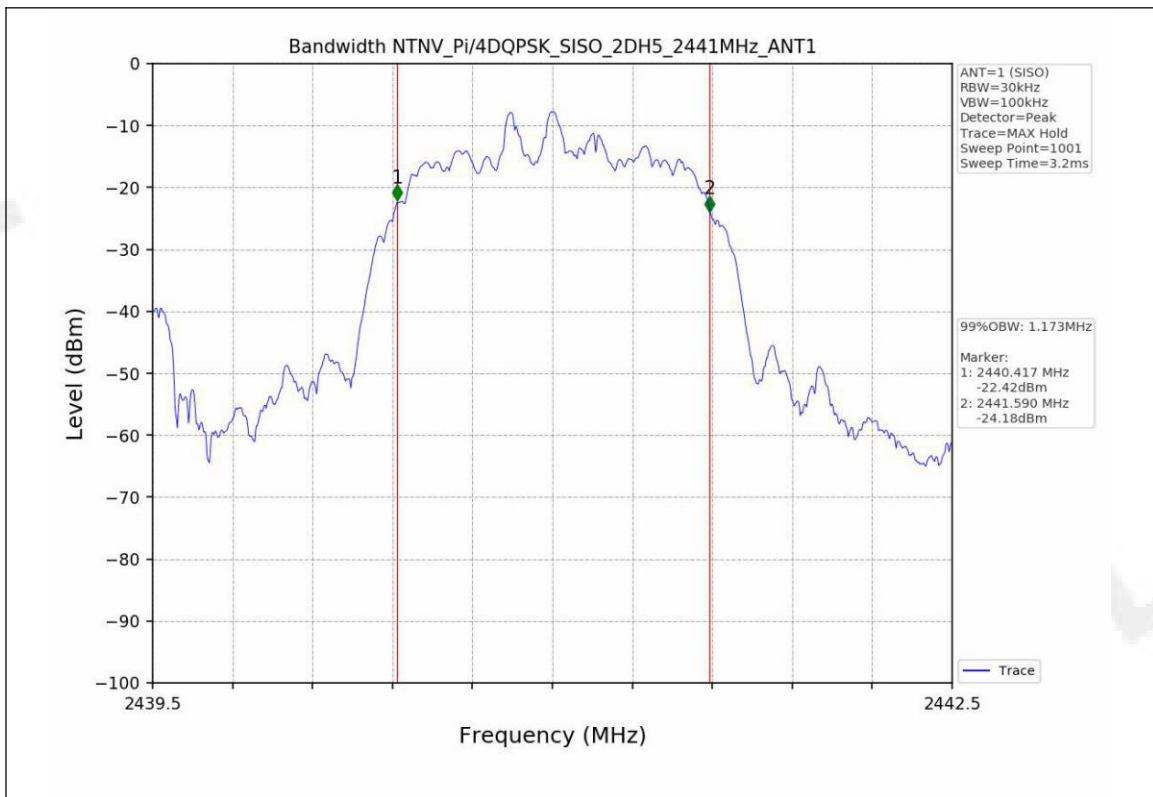
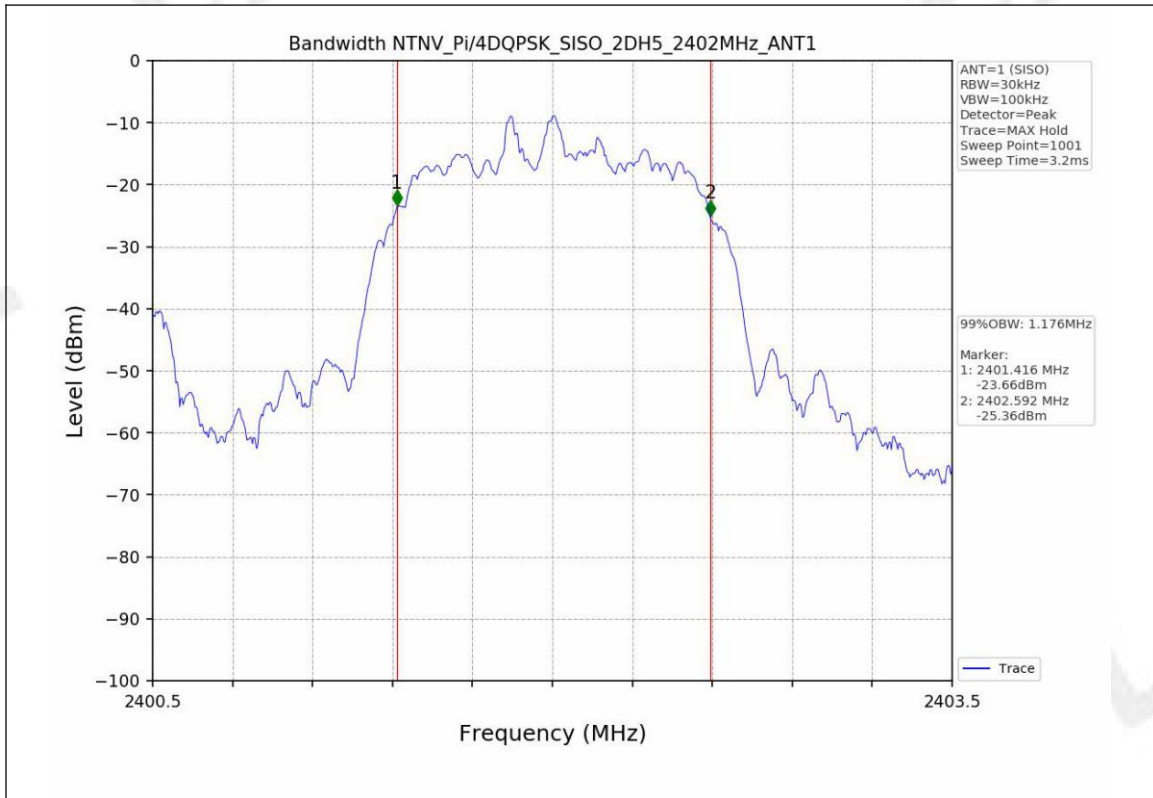


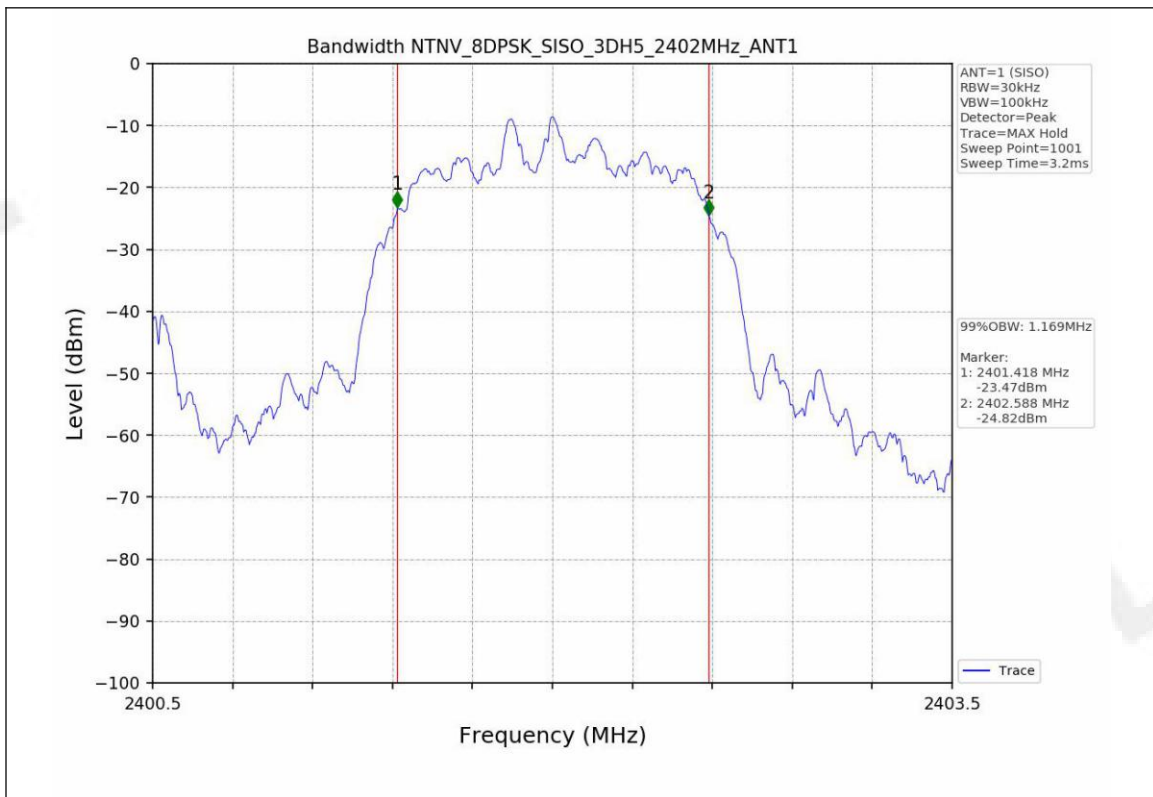
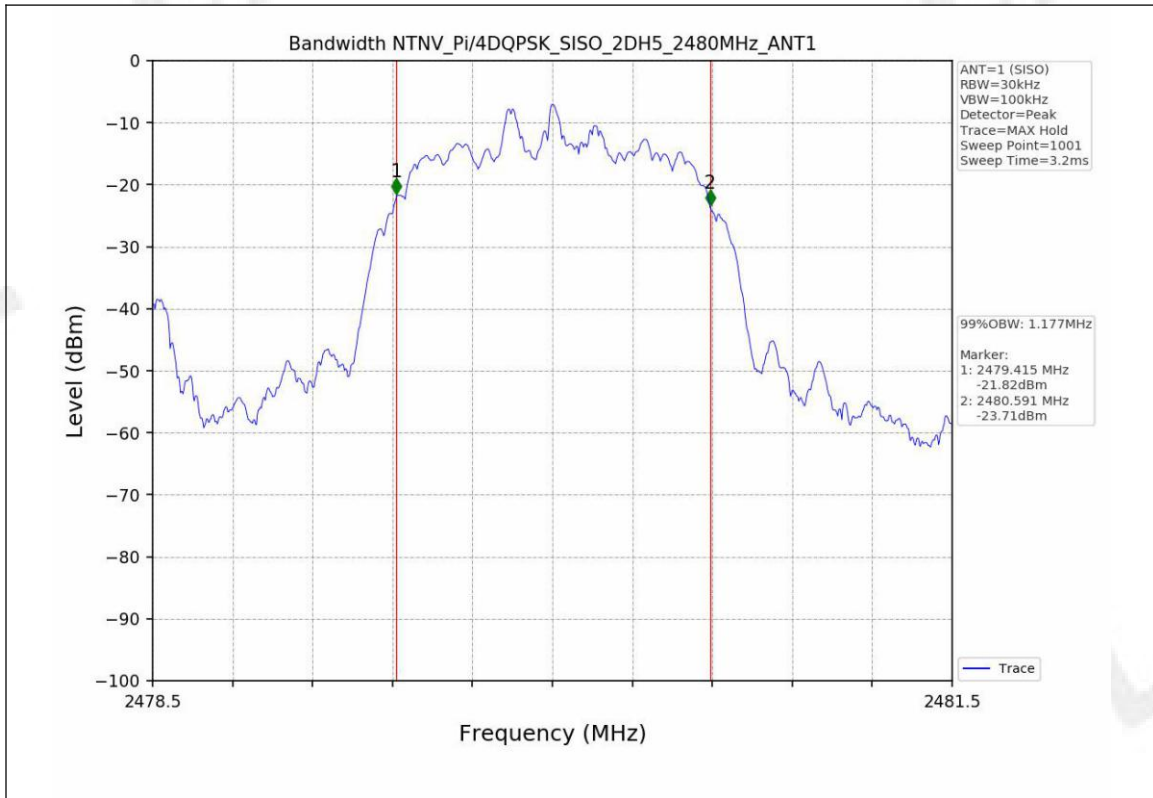


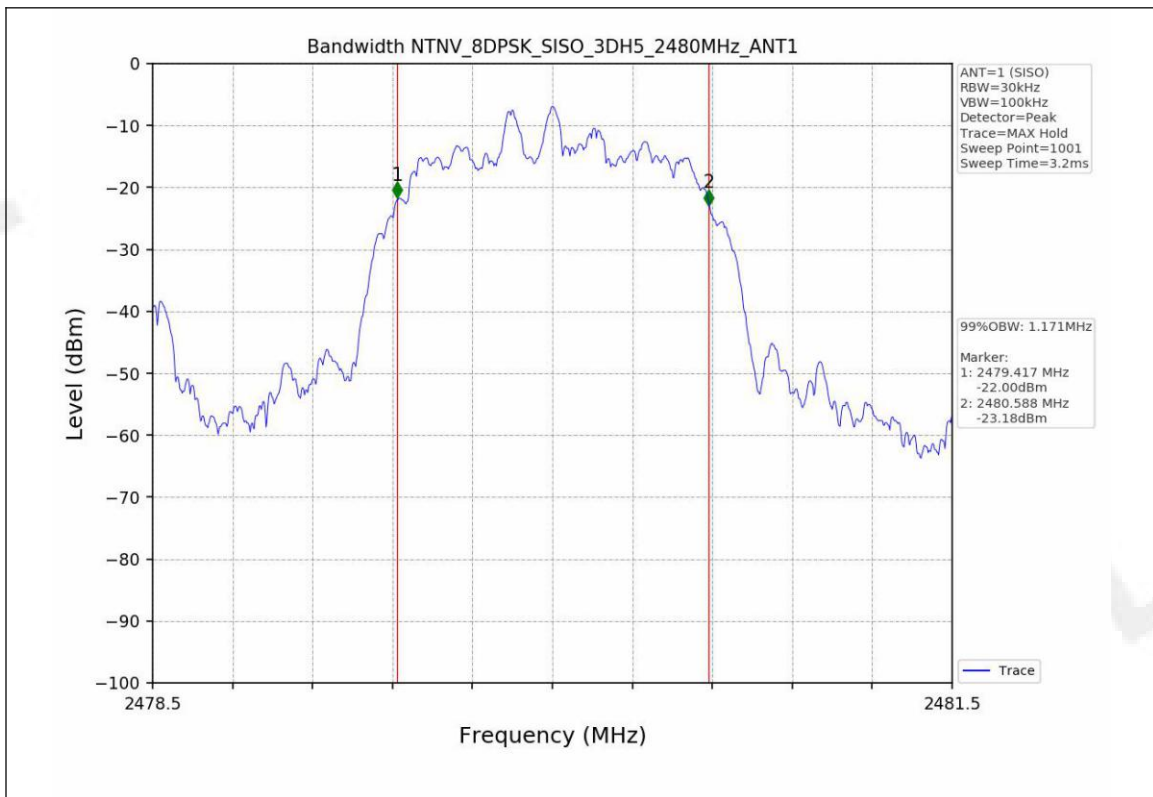
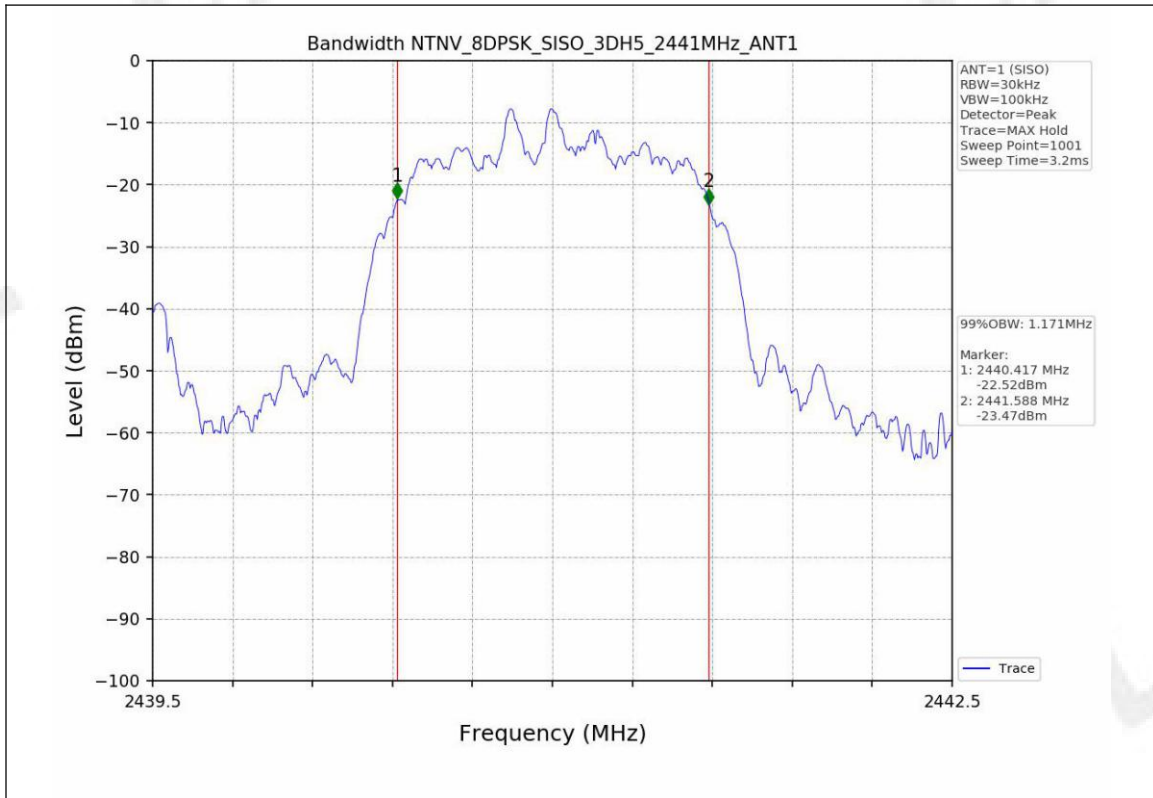
1.3 Test Graph - 99% Occupied Bandwidth









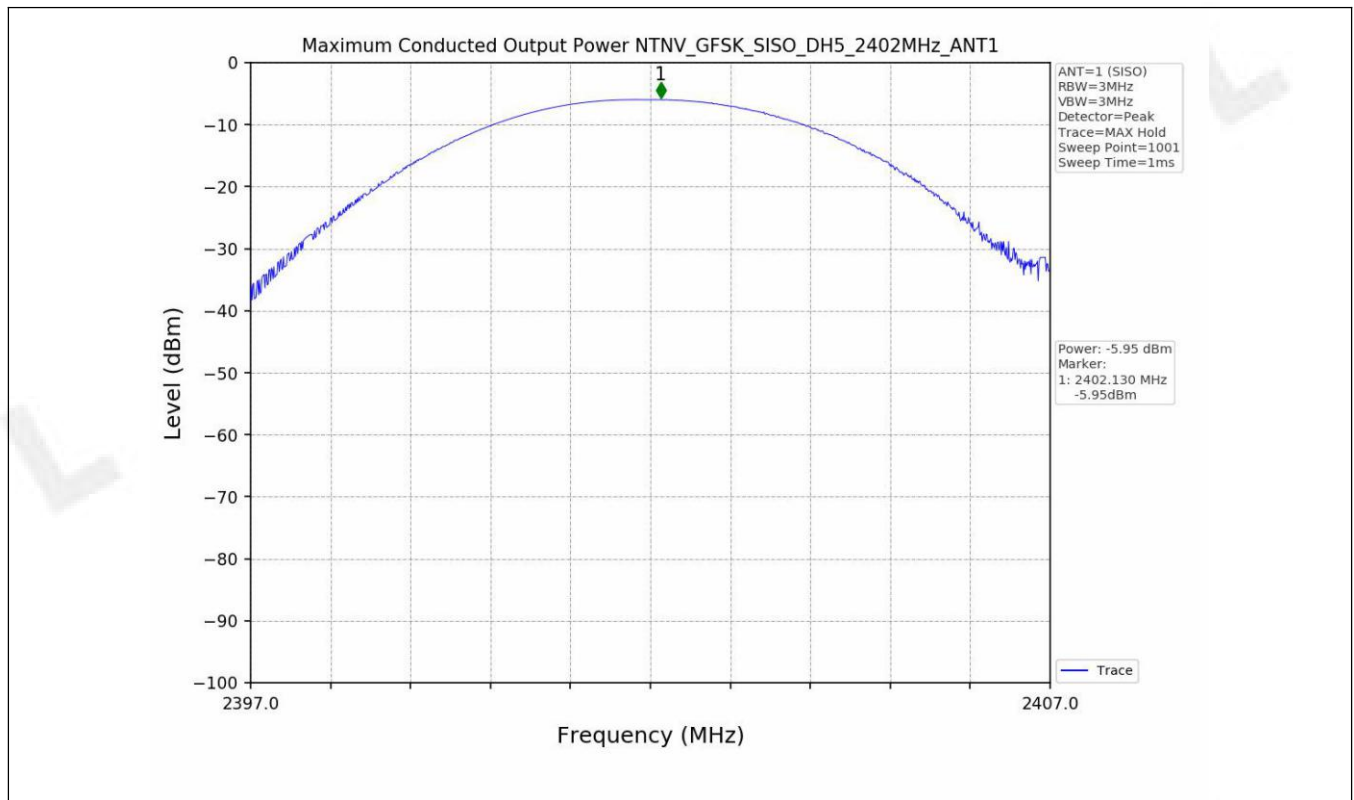


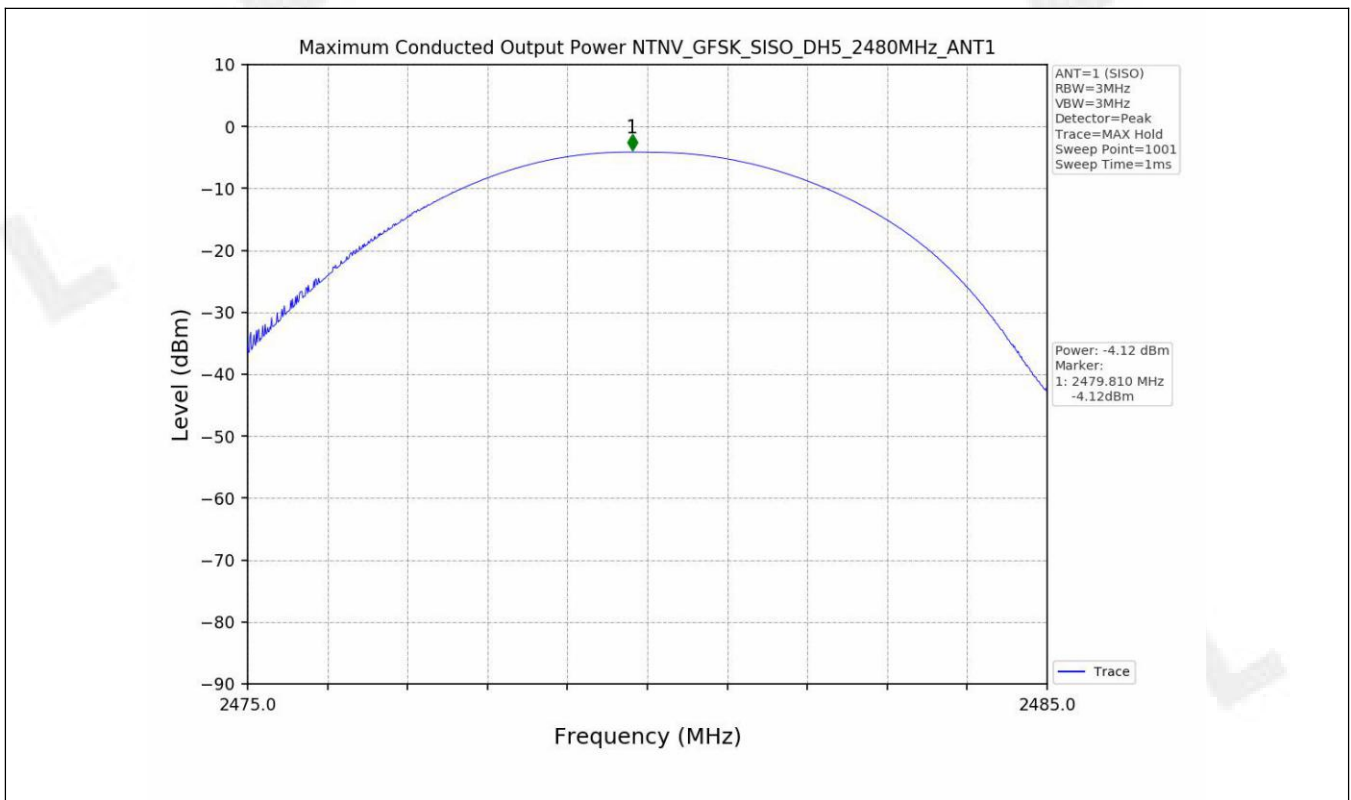
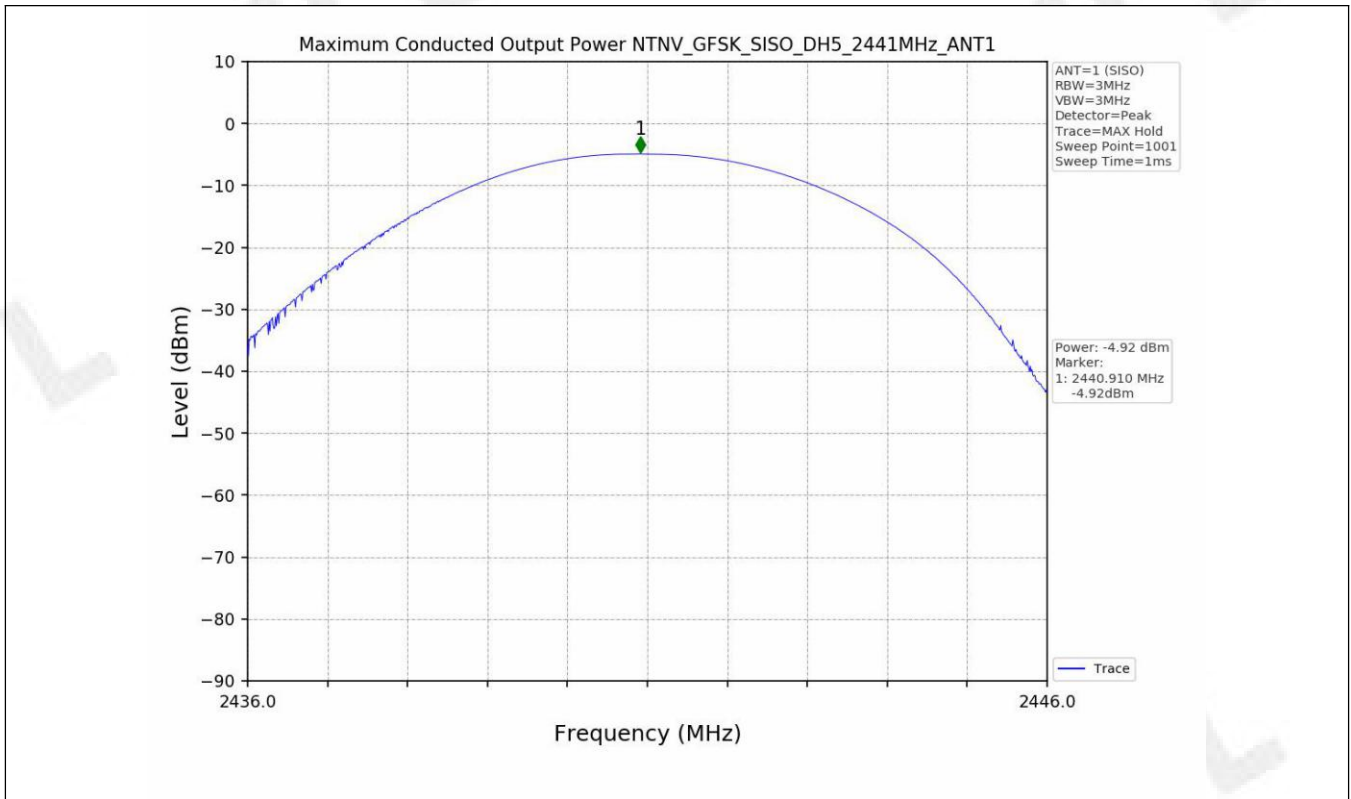
2. Maximum Conducted Output Power

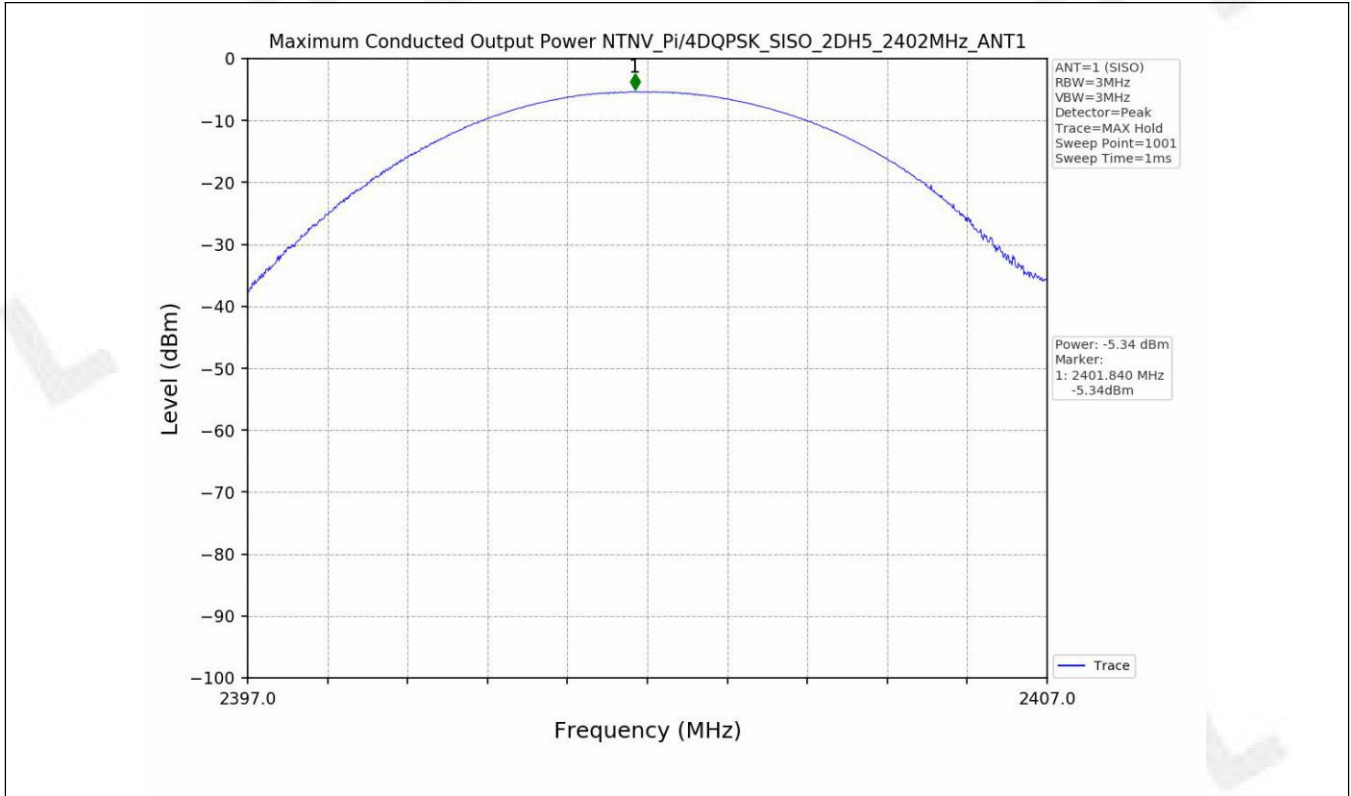
2.1 Test Result

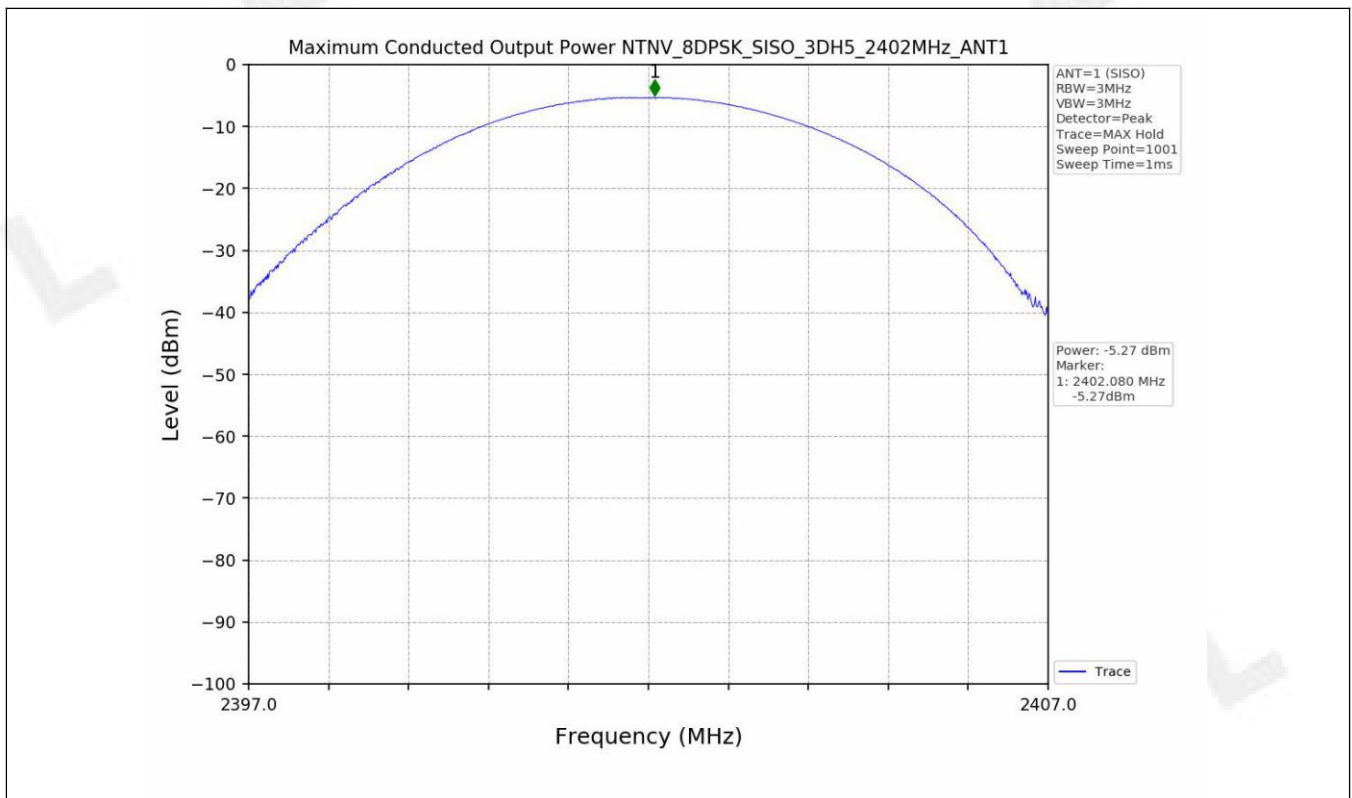
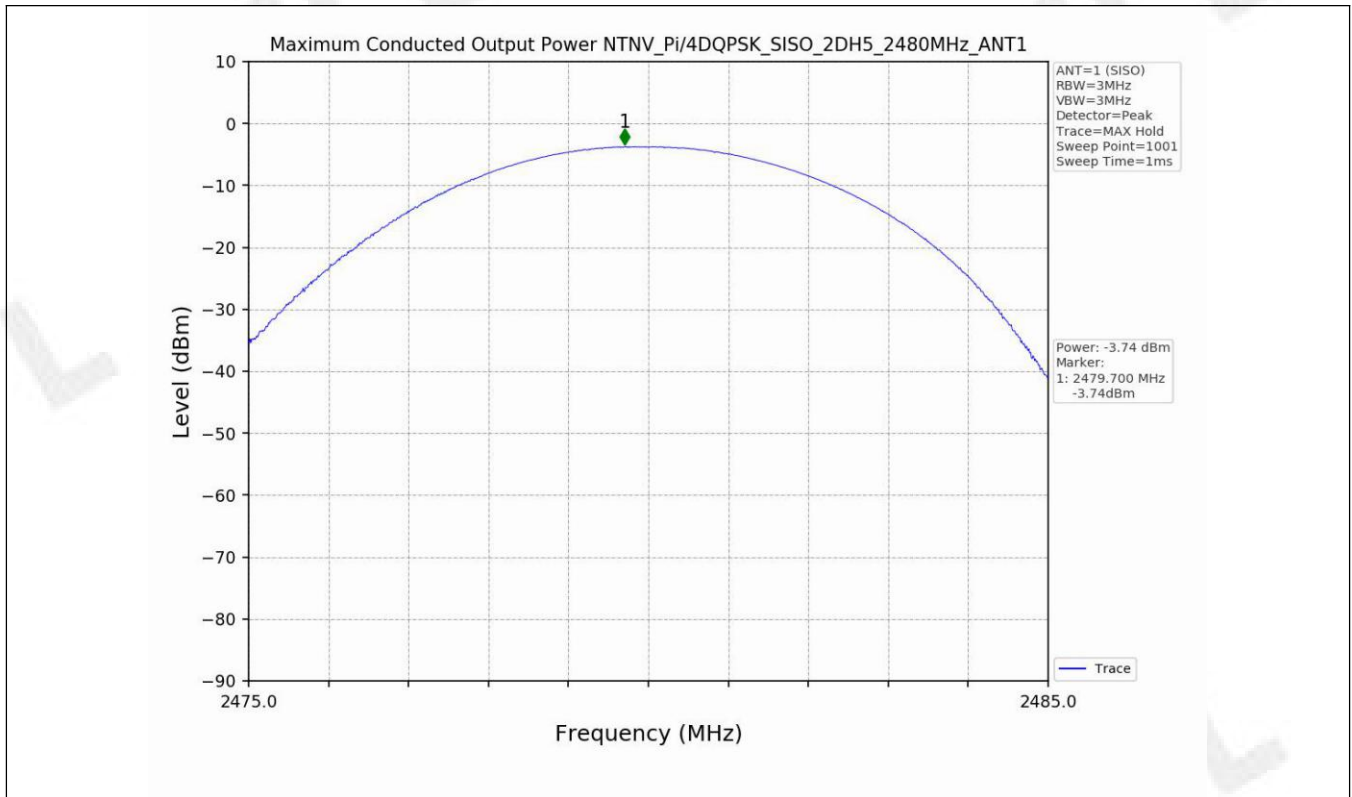
Test Mode	Frequency (MHz)	Tx Type	Measured Peak Output Power (dBm)	Limits (dBm)	Verdict
			Ant 1		
GFSK	2402	SISO	-5.95	30	PASS
	2441	SISO	-4.92	30	PASS
	2480	SISO	-4.12	30	PASS
Pi/4DQPSK	2402	SISO	-5.34	20.97	PASS
	2441	SISO	-4.30	20.97	PASS
	2480	SISO	-3.74	20.97	PASS
8DPSK	2402	SISO	-5.27	20.97	PASS
	2441	SISO	-4.23	20.97	PASS
	2480	SISO	-3.65	20.97	PASS

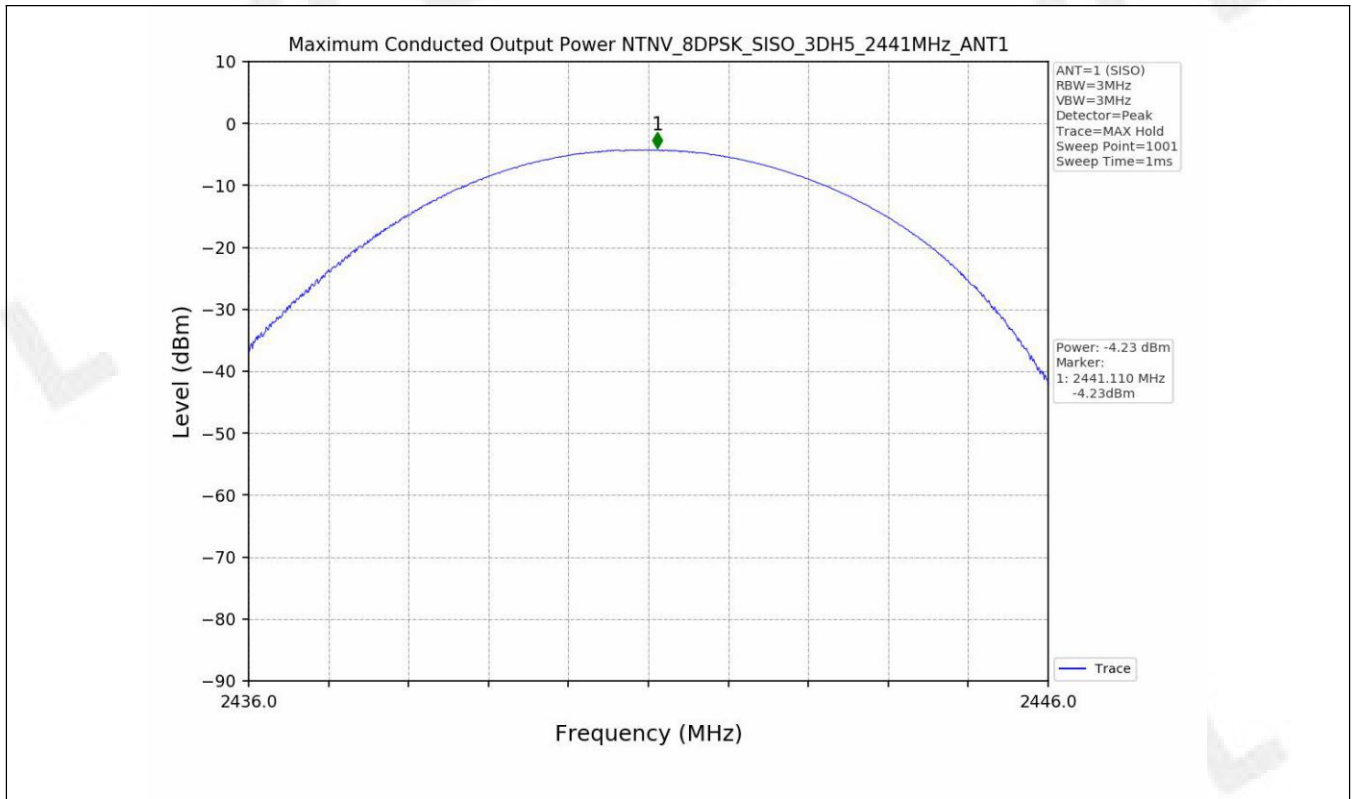
2.2 Test Graph









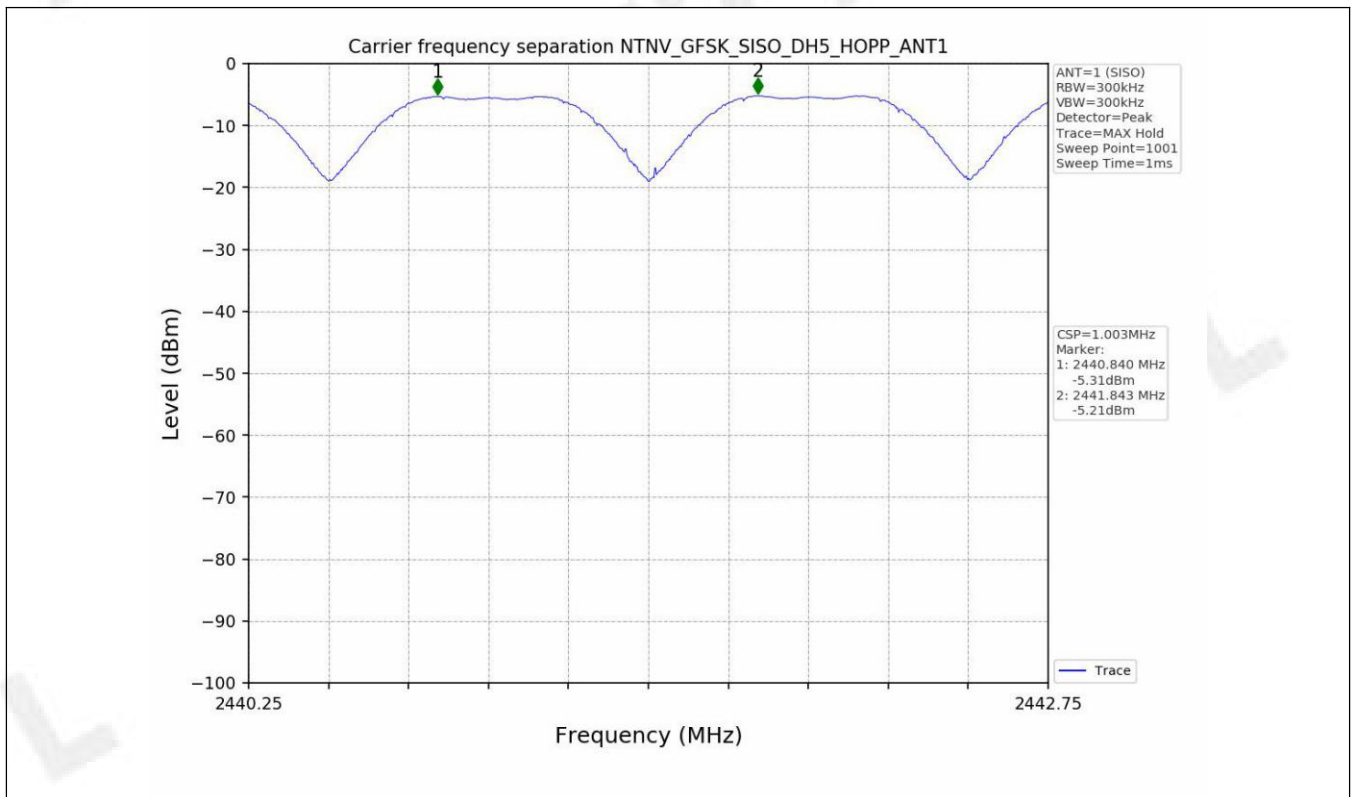


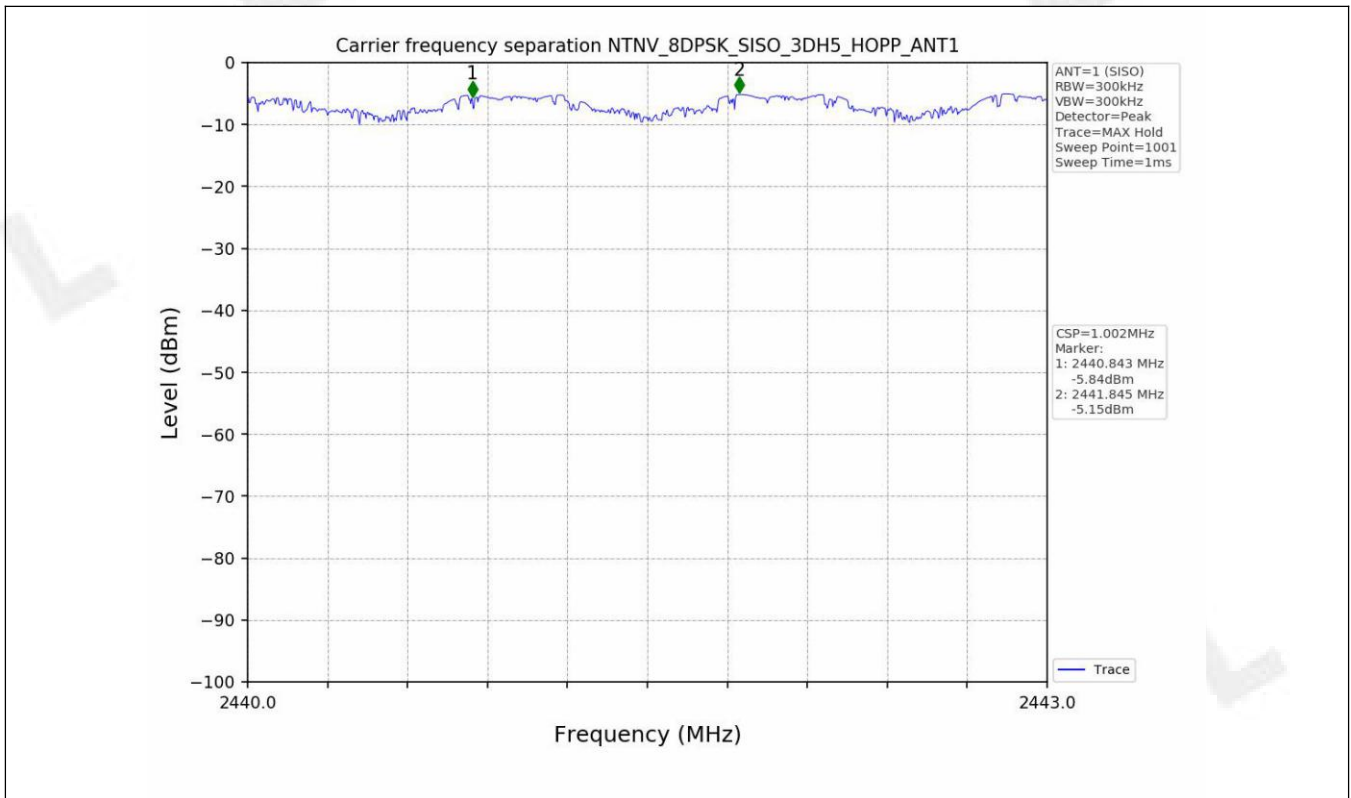
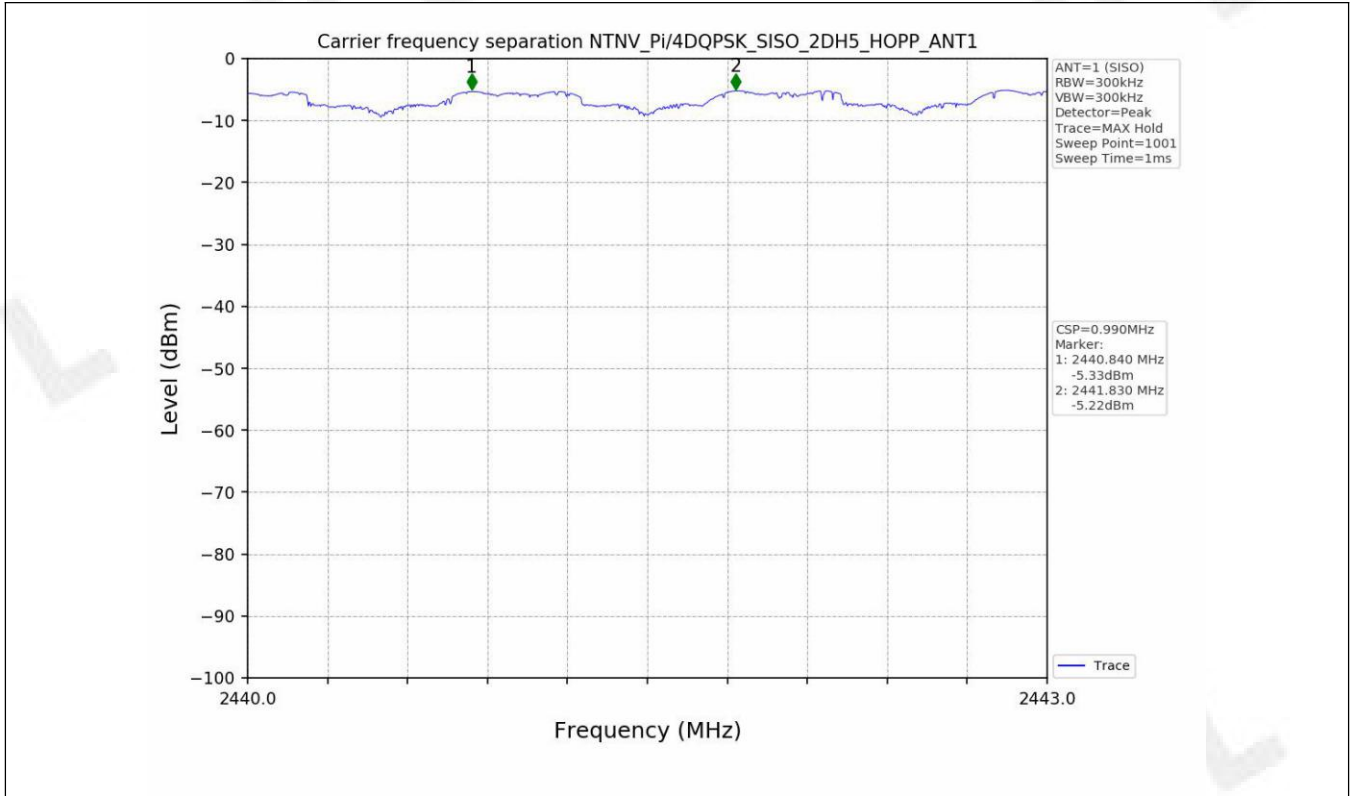
3. Carrier frequency separation

3.1 Test Result

Test Mode	TX Type	ANT No.	Channel Separation (MHz)	20dB Bandwidth (MHz)	Limits (MHz)	Verdict
GFSK	SISO	1	1.003	0.955	≥0.955	PASS
π/4DQPSK	SISO	1	0.990	1.311	≥0.874	PASS
8DPSK	SISO	1	1.002	1.309	≥0.873	PASS

3.2 Test Graph



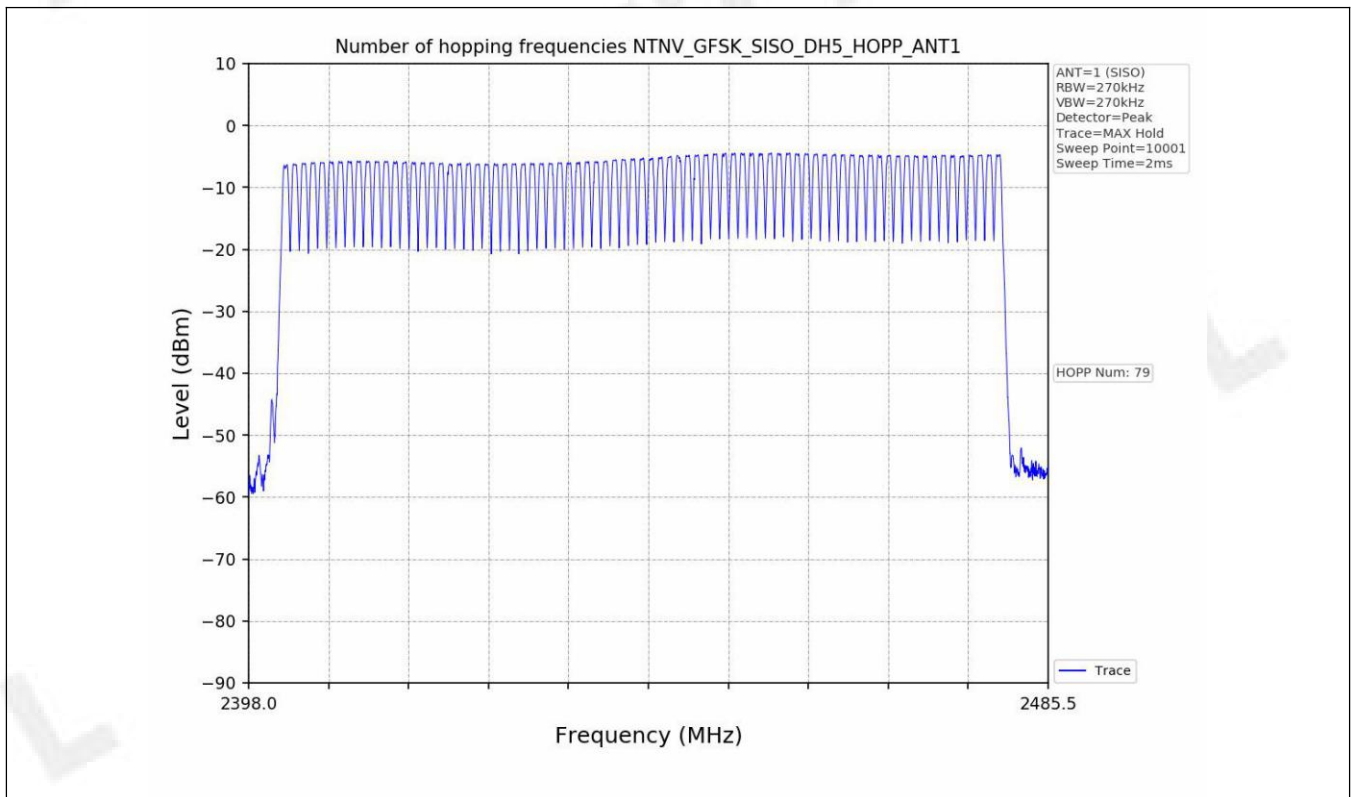


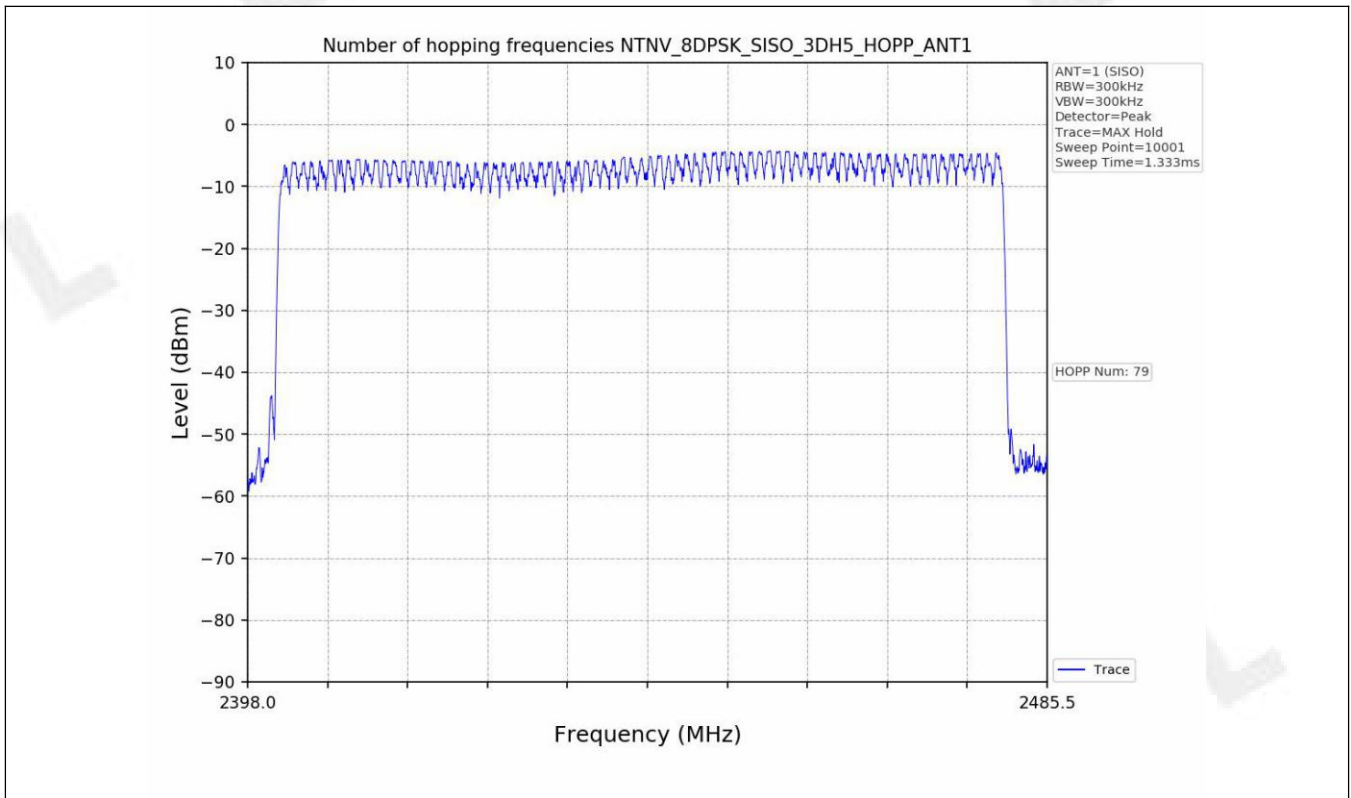
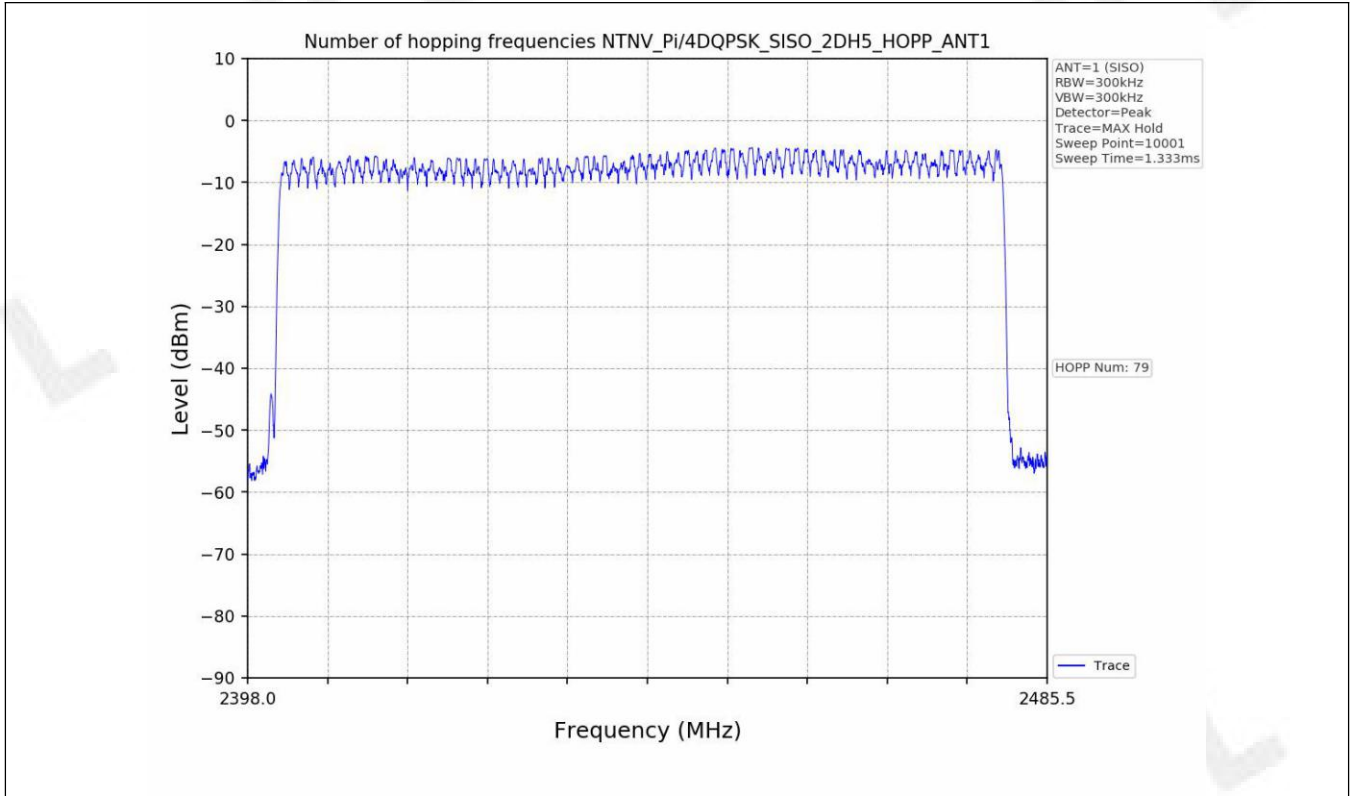
4. Number of hopping frequencies

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



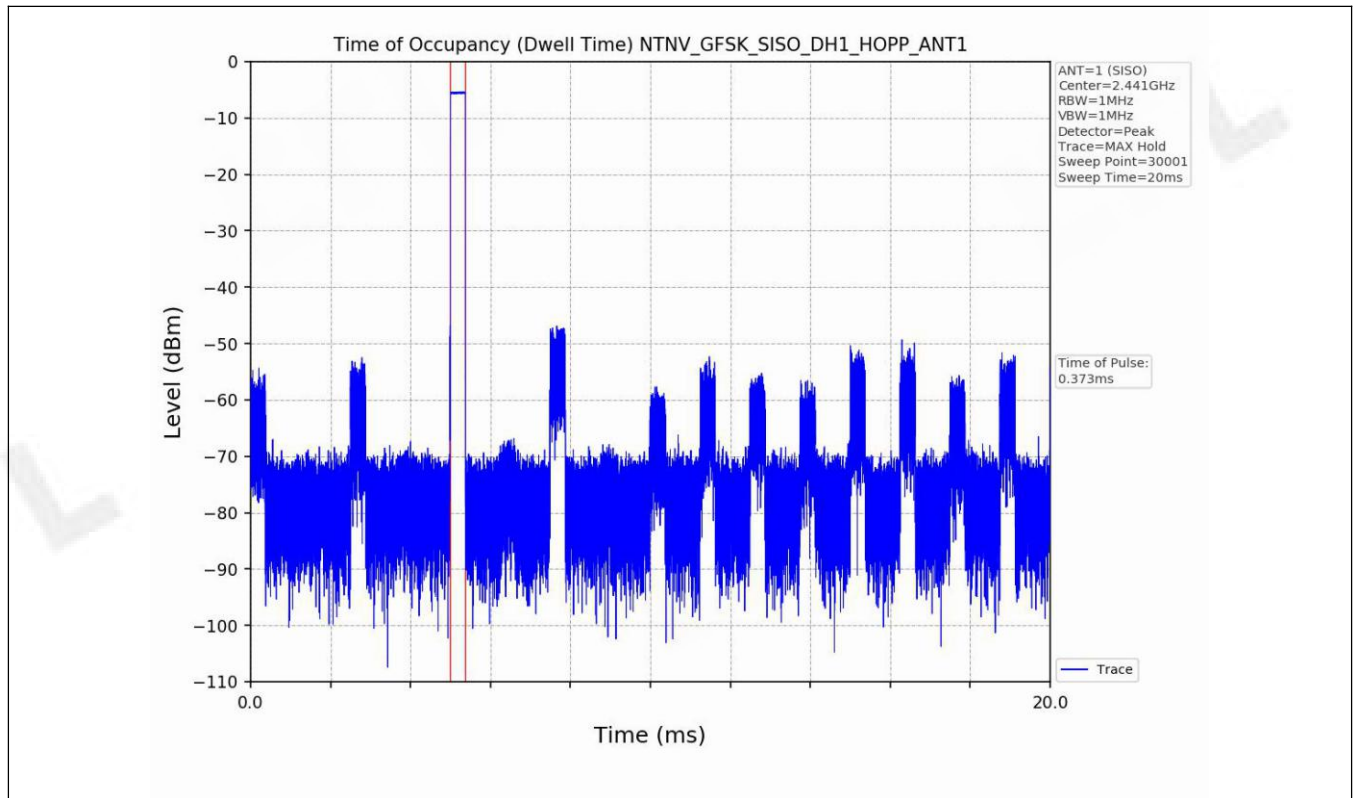


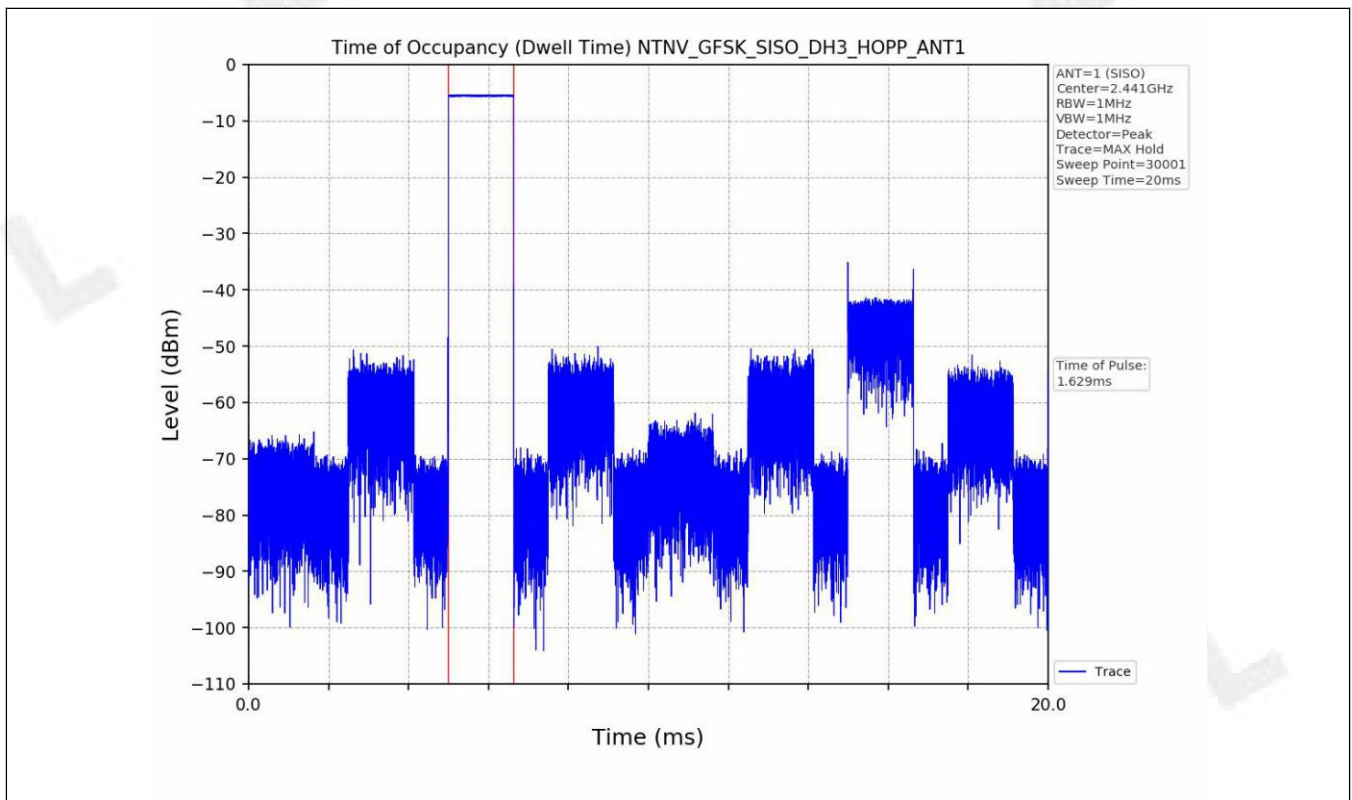
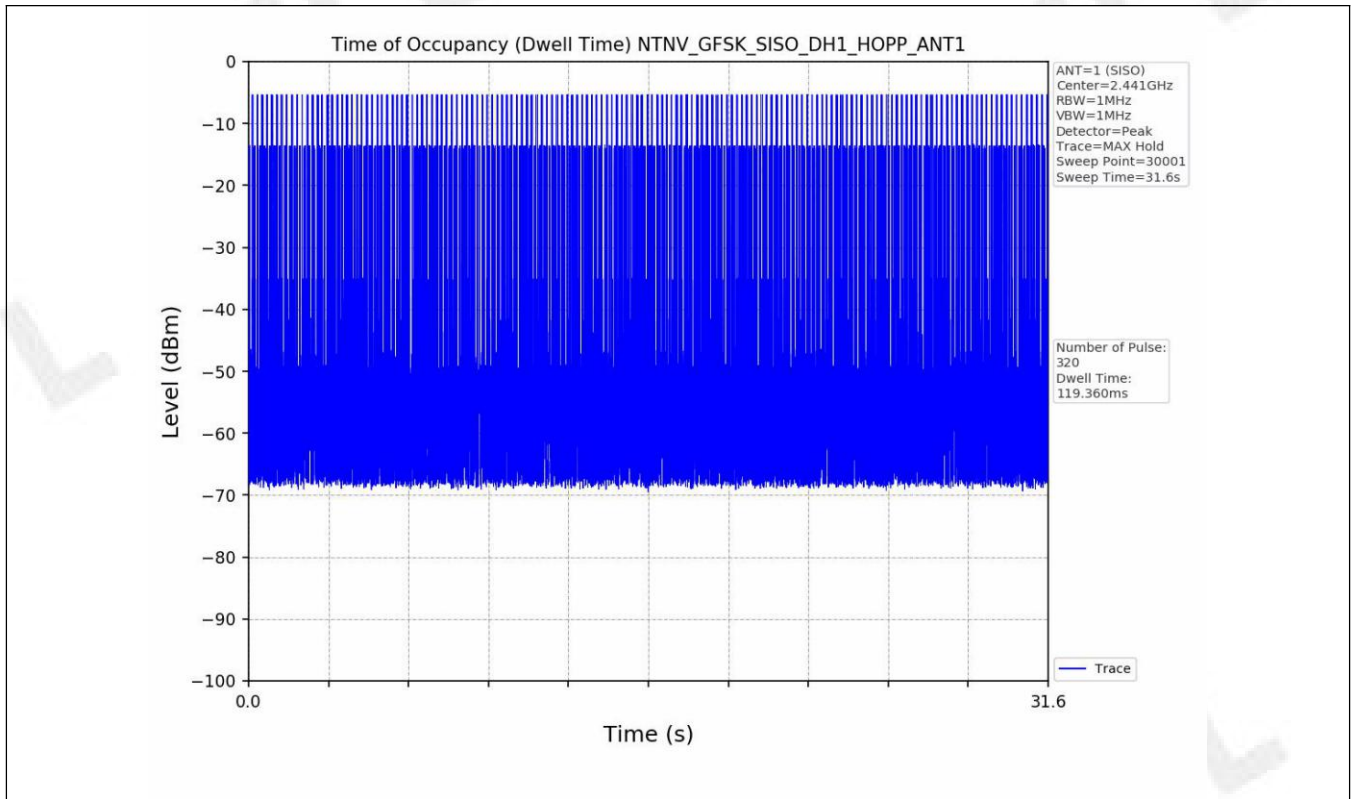
5. Time of Occupancy (Dwell Time)

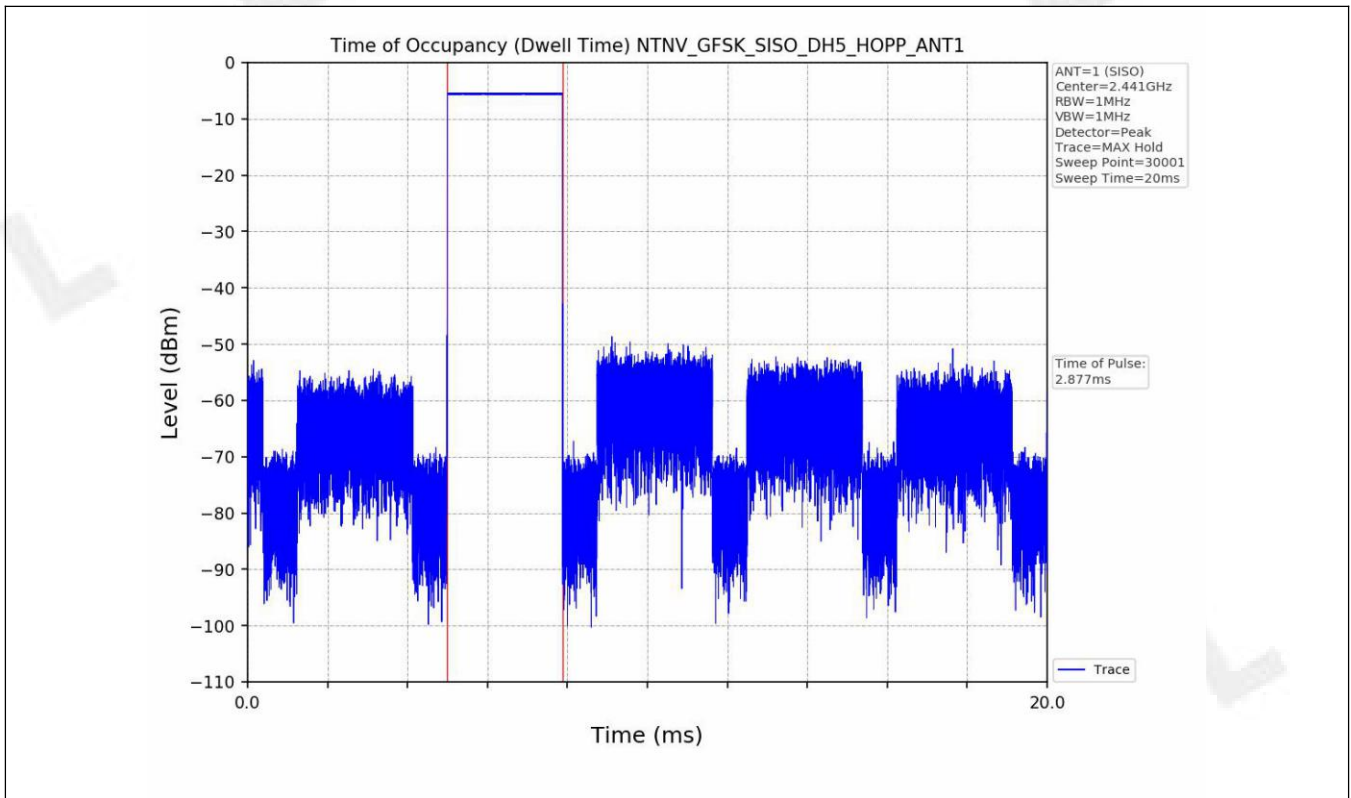
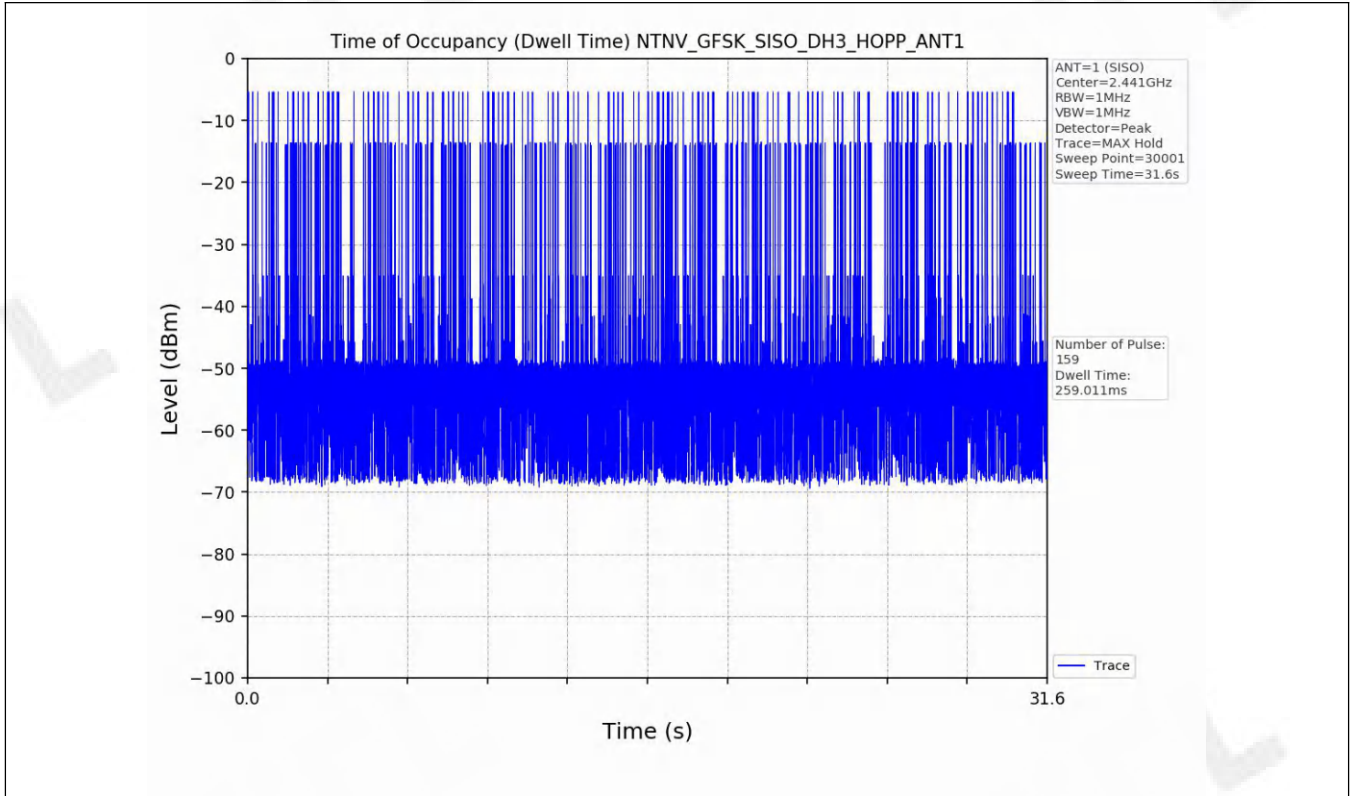
5.1 Test Result

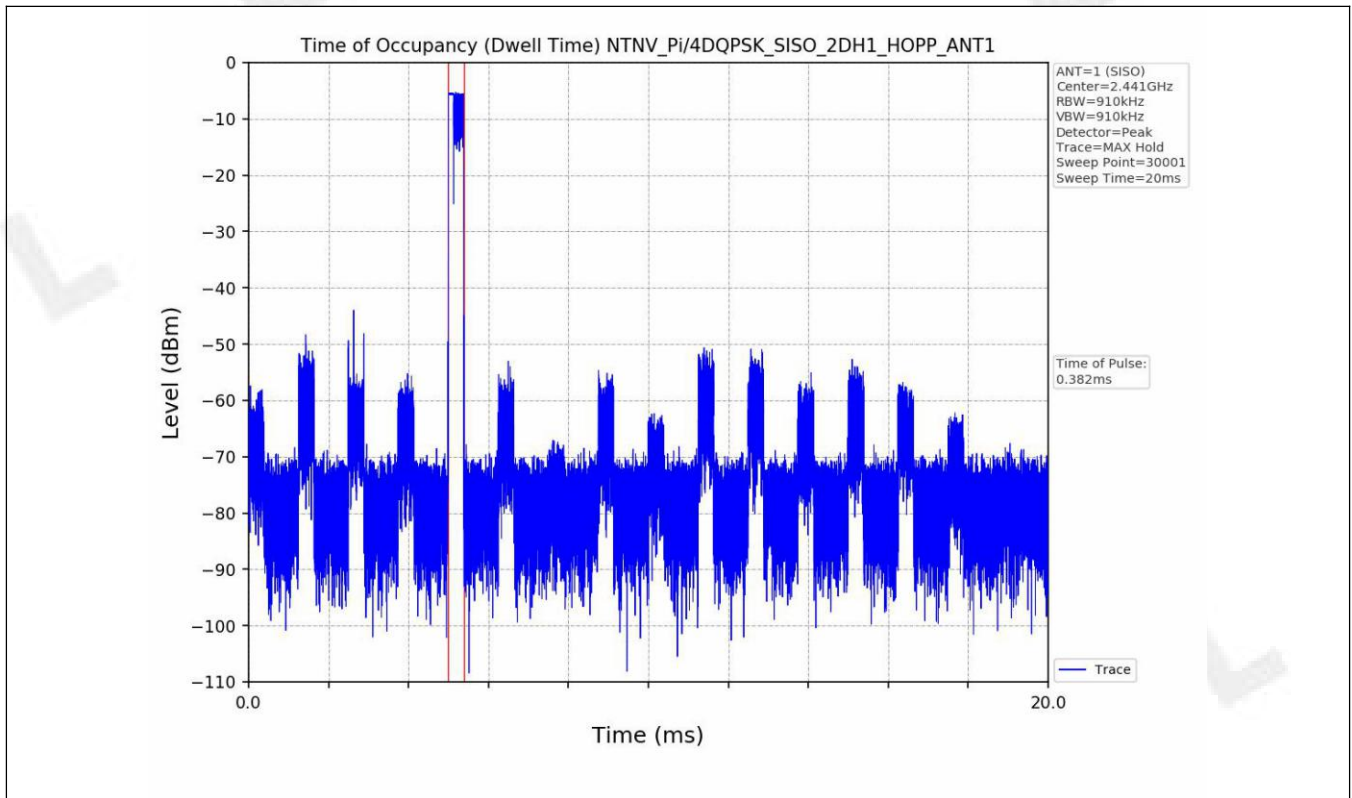
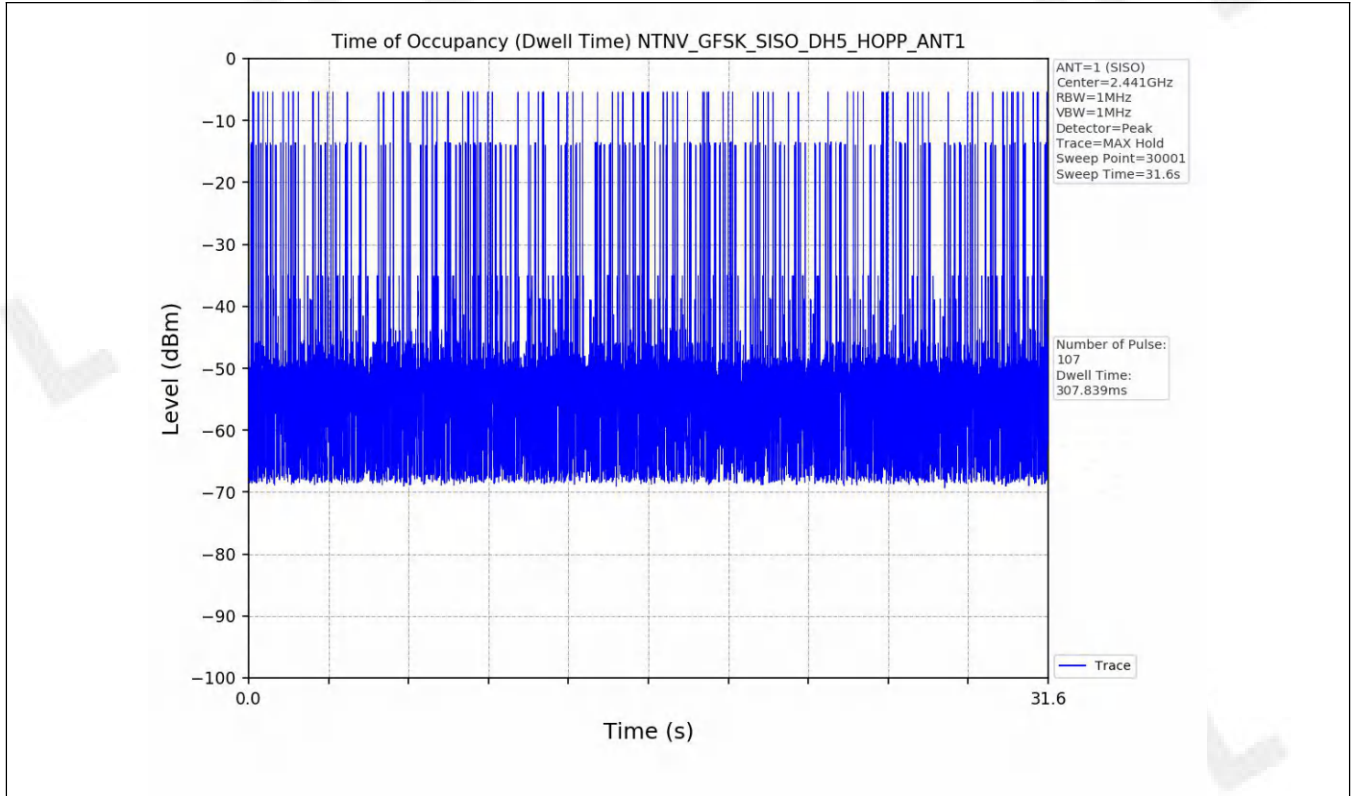
Test Mode	Packet Type	TX Type	ANT No.	Duration of Single Pulse (ms)	Observation Period (s)	Num of Pulse in Observation Period	Dwell Time (ms)	Limits (ms)	Verdict
GFSK	DH1	SISO	1	0.373	31.6	320	119.360	≤400	PASS
	DH3	SISO	1	1.629	31.6	159	259.011	≤400	PASS
	DH5	SISO	1	2.877	31.6	107	307.839	≤400	PASS
Pi/4DQPSK	2DH1	SISO	1	0.382	31.6	319	121.858	≤400	PASS
	2DH3	SISO	1	1.635	31.6	160	261.600	≤400	PASS
	2DH5	SISO	1	2.882	31.6	112	322.784	≤400	PASS
8DPSK	3DH1	SISO	1	6.658	31.6	57	379.506	≤400	PASS
	3DH3	SISO	1	0.641	31.6	151	96.791	≤400	PASS
	3DH5	SISO	1	0.886	31.6	103	91.258	≤400	PASS

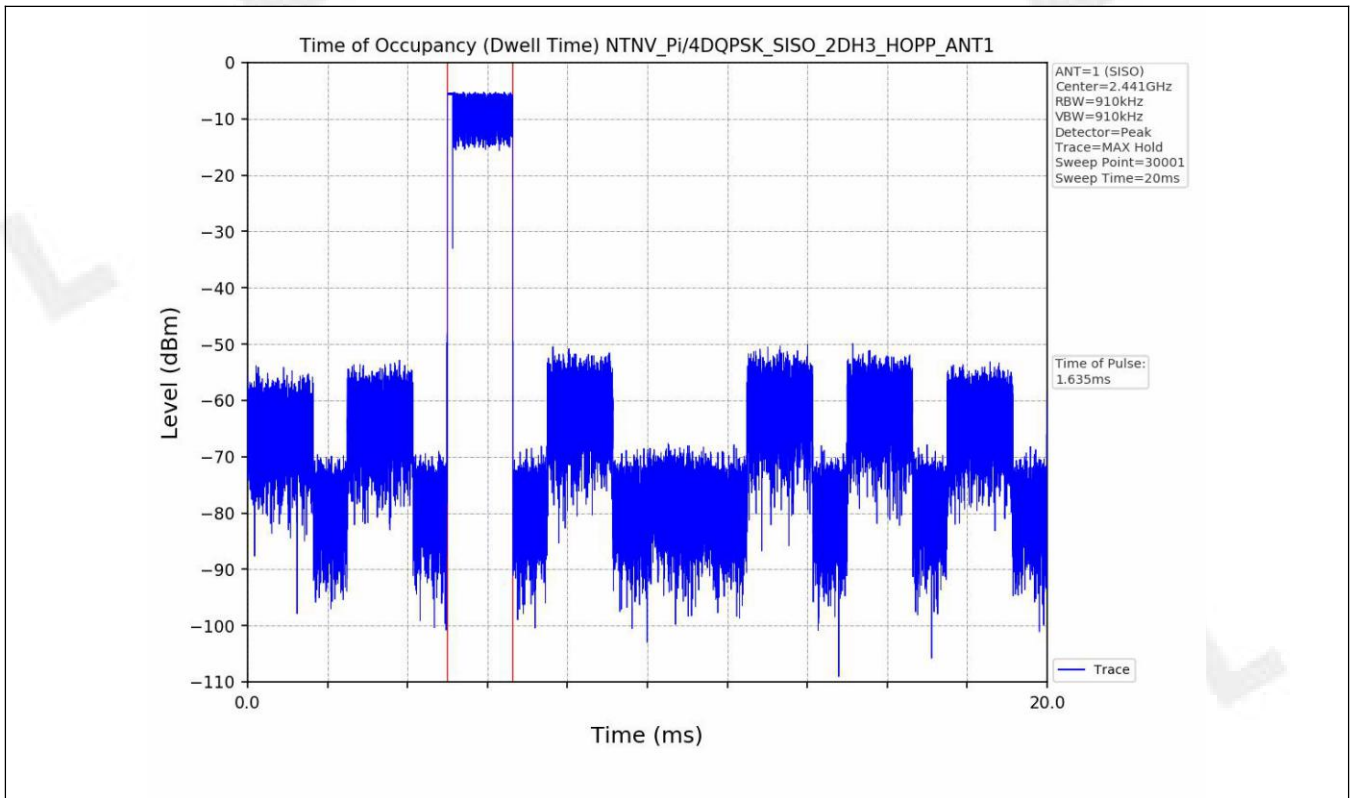
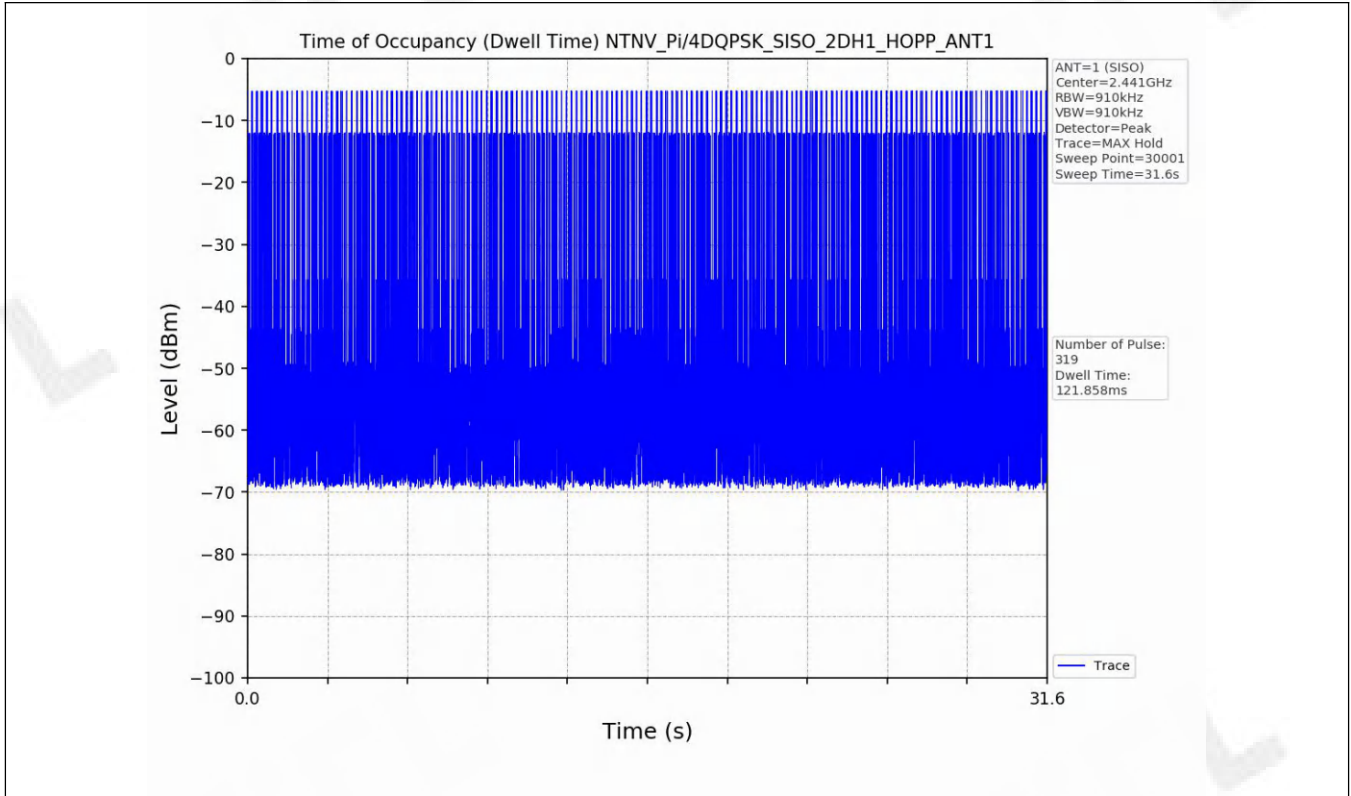
5.2 Test Graph

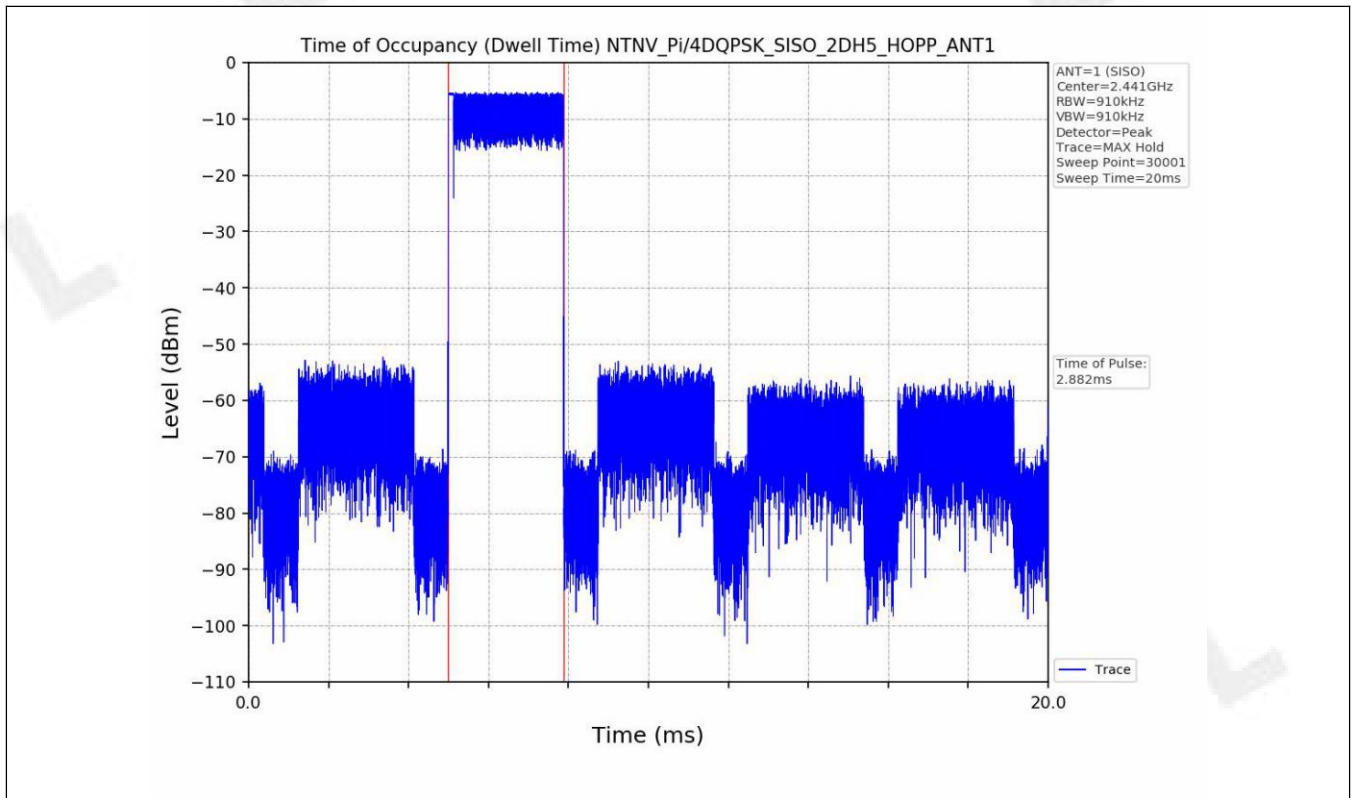
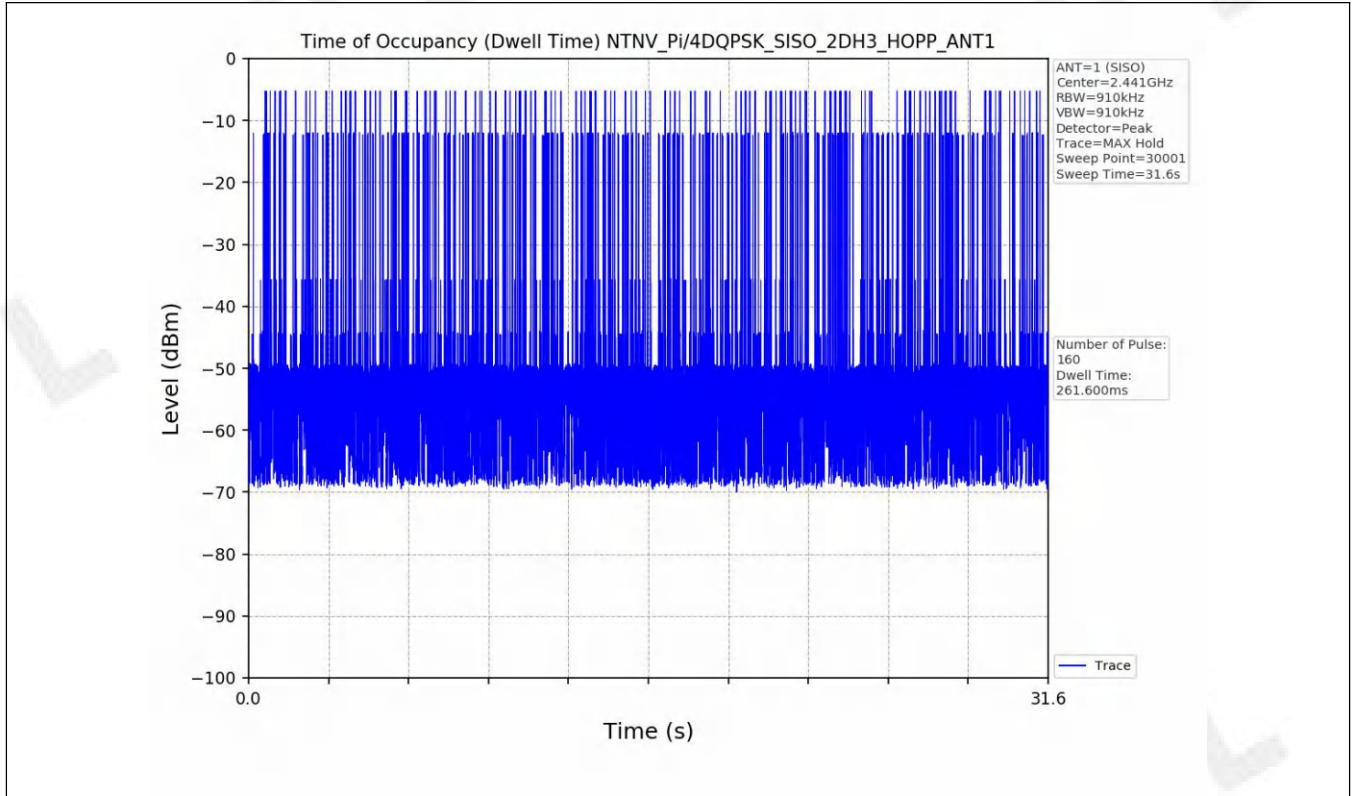


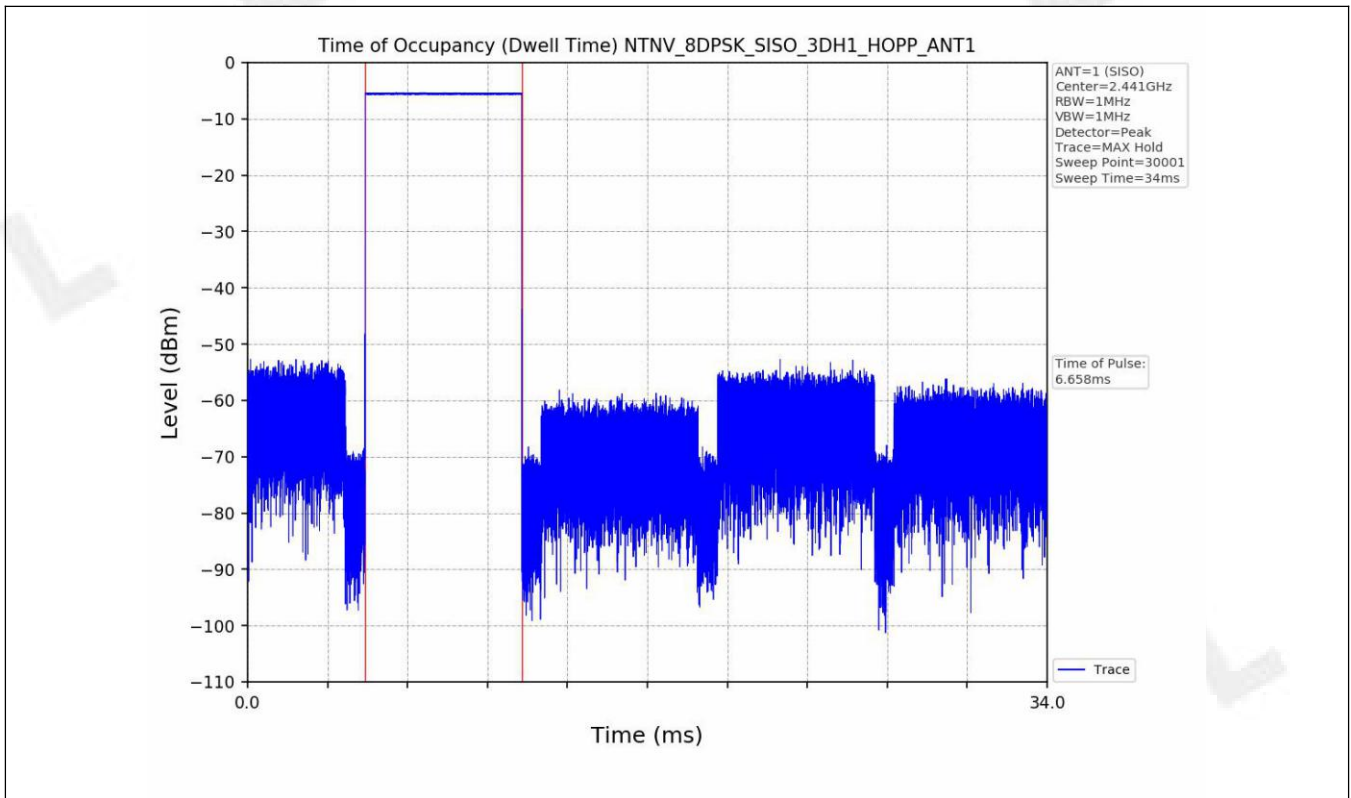
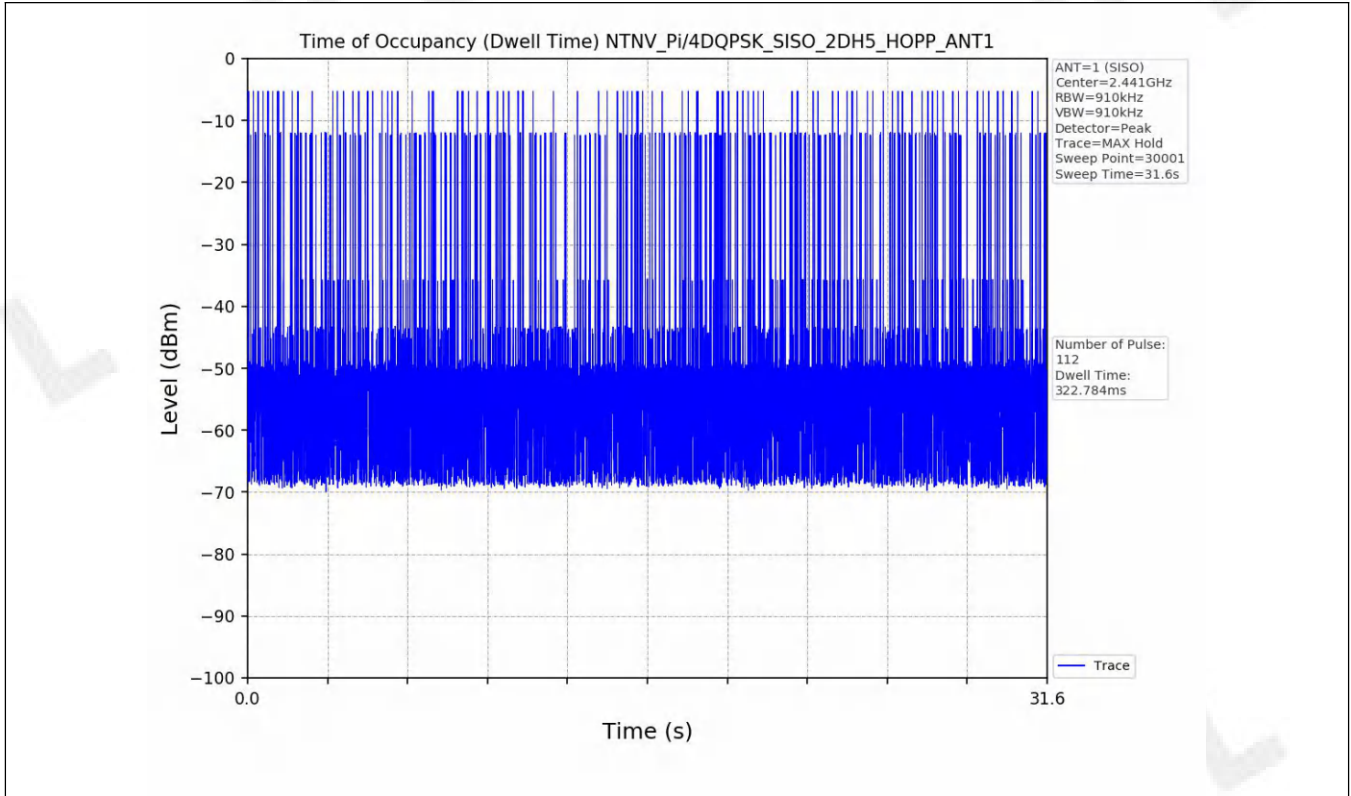


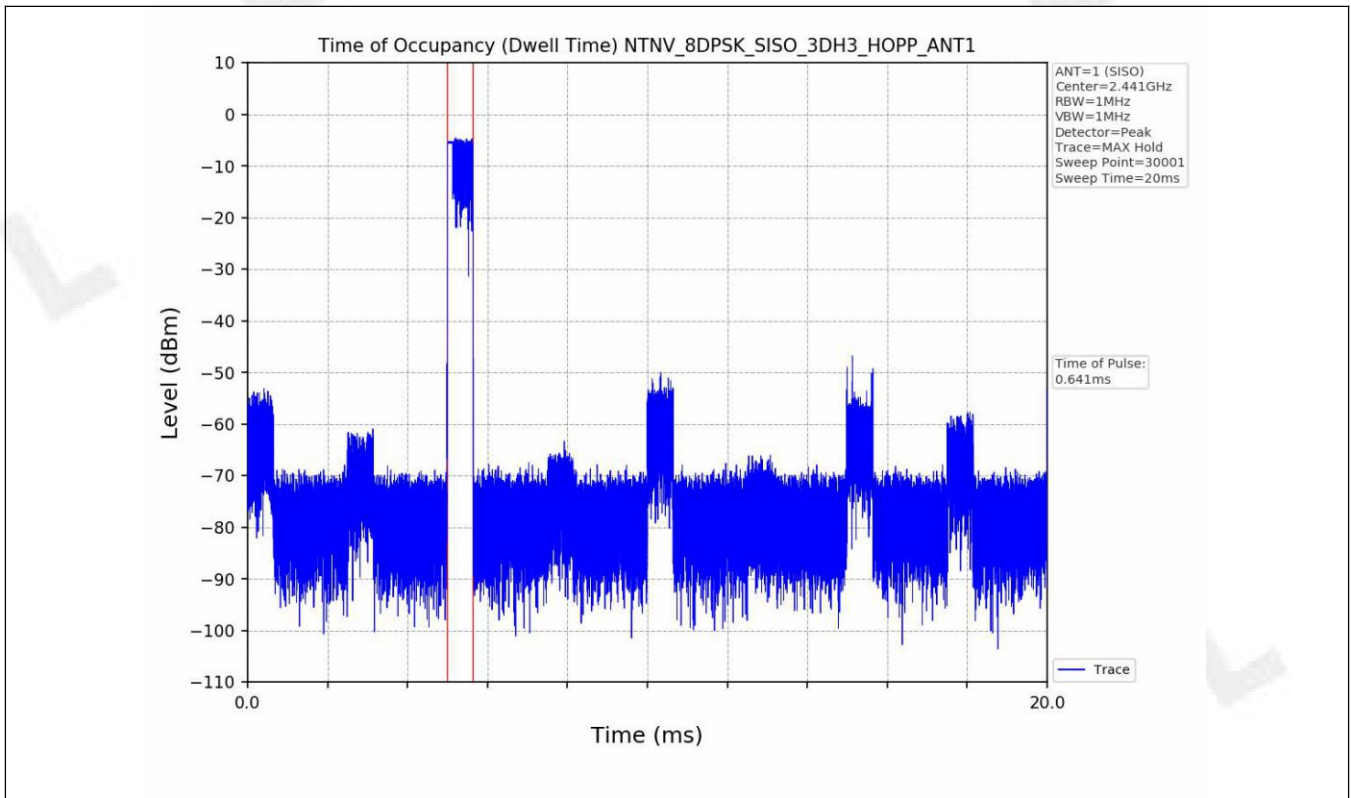
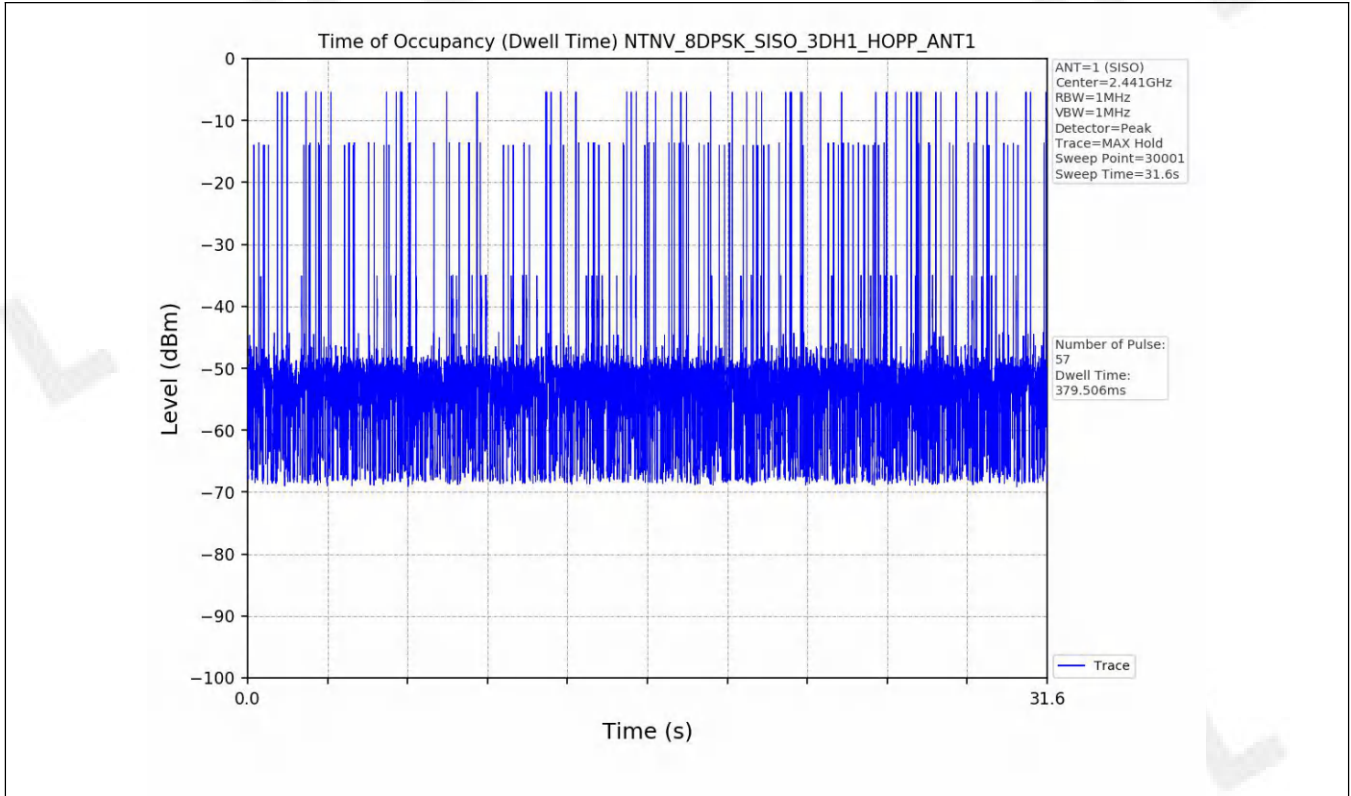


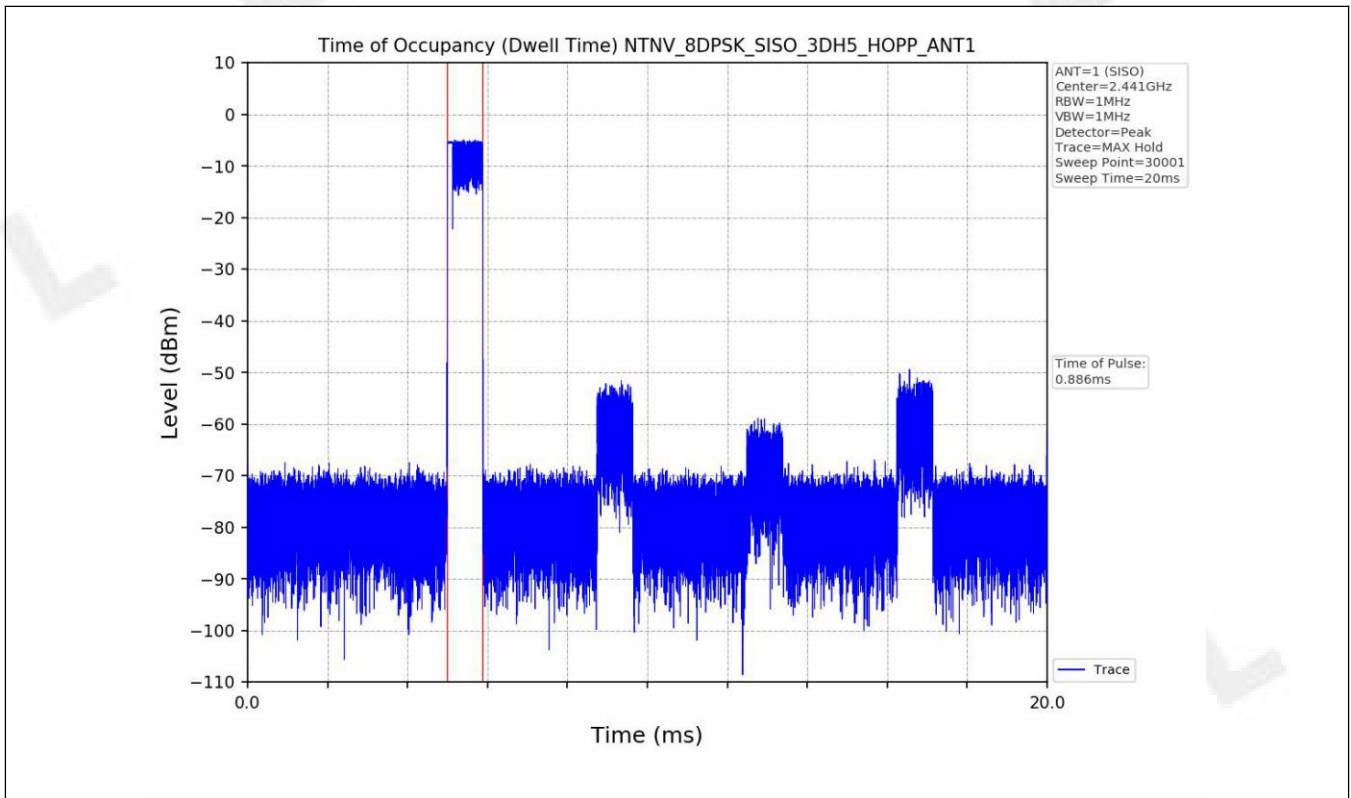
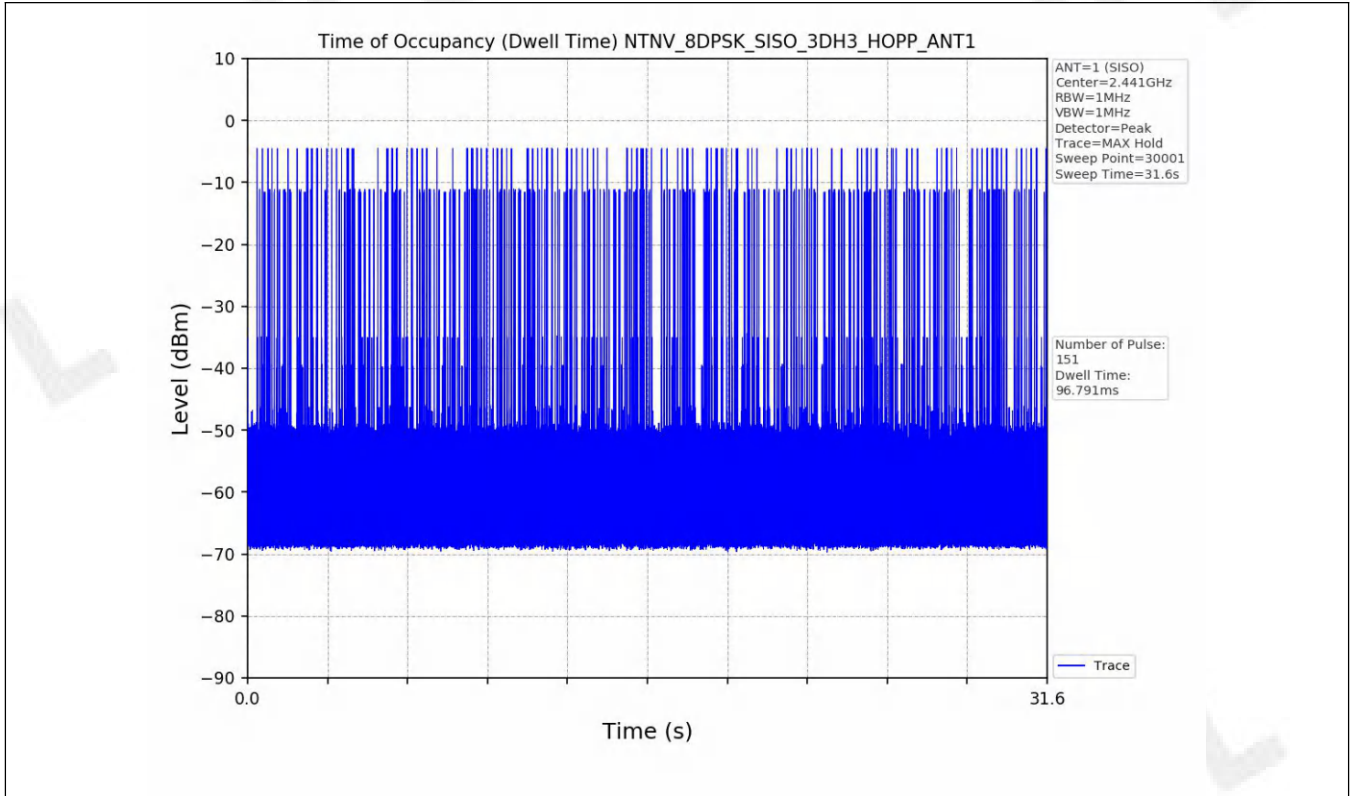


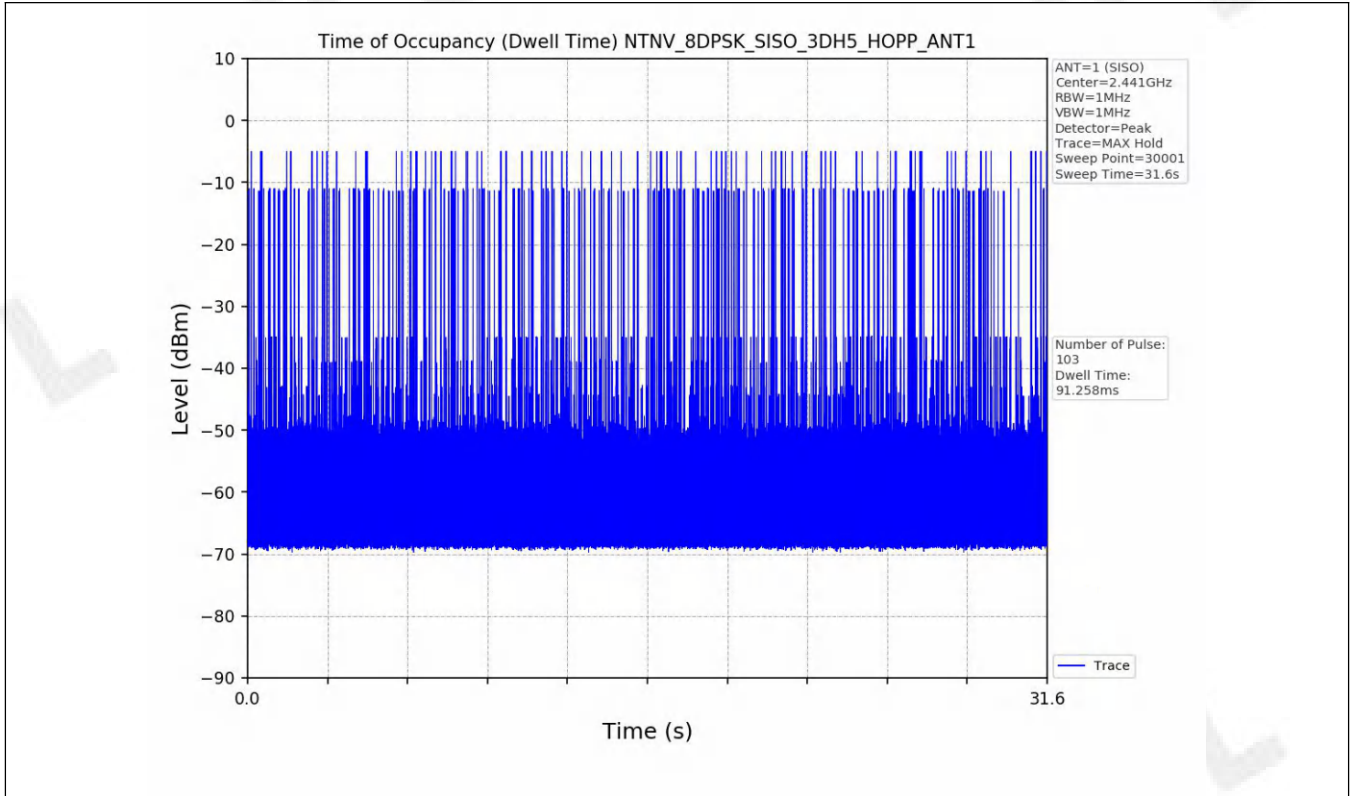












6. Unwanted Emissions in Non-restricted Frequency Bands

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	-24.51	PASS
	2441	SISO	1	Refer to test graph	-24.51	PASS
	2480	SISO	1	Refer to test graph	-24.51	PASS
	Hopping	SISO	1	Refer to test graph	-24.51	PASS
Pi/4DQPSK	2402	SISO	1	Refer to test graph	-24.92	PASS
	2441	SISO	1	Refer to test graph	-24.92	PASS
	2480	SISO	1	Refer to test graph	-24.92	PASS
	Hopping	SISO	1	Refer to test graph	-24.92	PASS
8DPSK	2402	SISO	1	Refer to test graph	-24.76	PASS
	2441	SISO	1	Refer to test graph	-24.76	PASS
	2480	SISO	1	Refer to test graph	-24.76	PASS

	Hopping	SISO	1	Refer to test graph	-24.76	PASS
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6.2 Test Graph

