

Appendix for 15.247

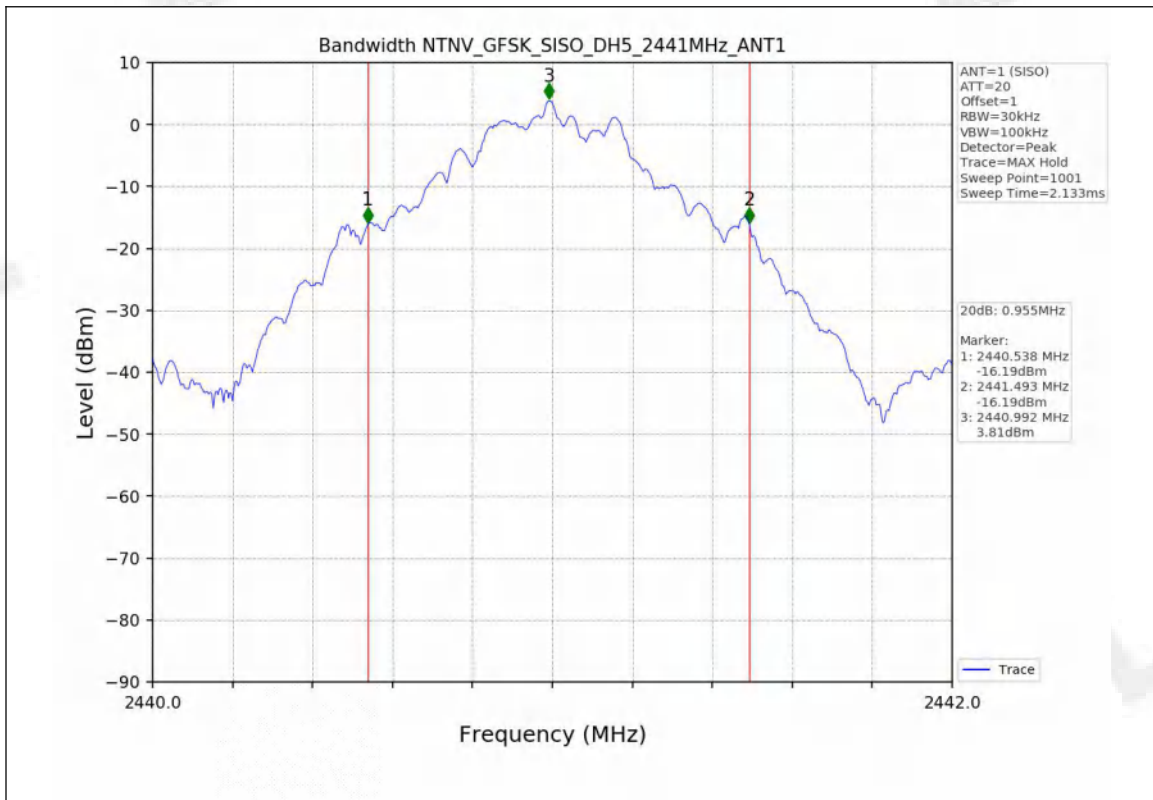
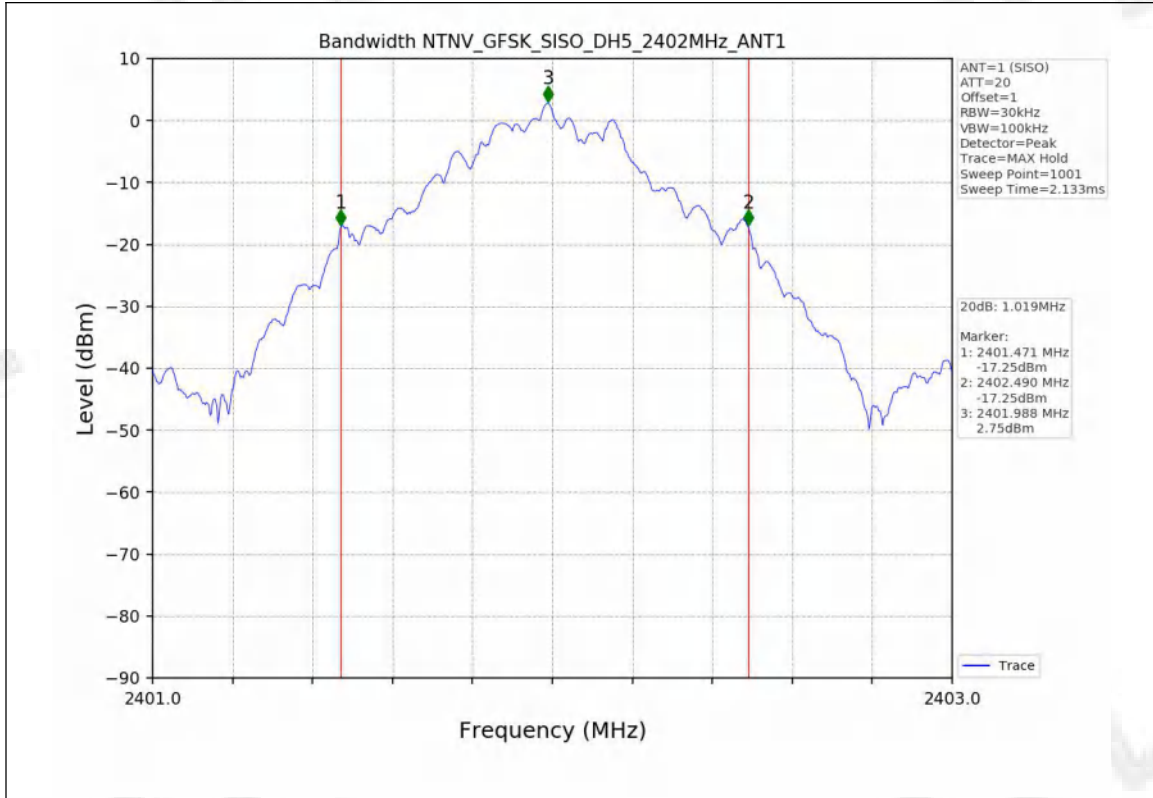
1. Bandwidth

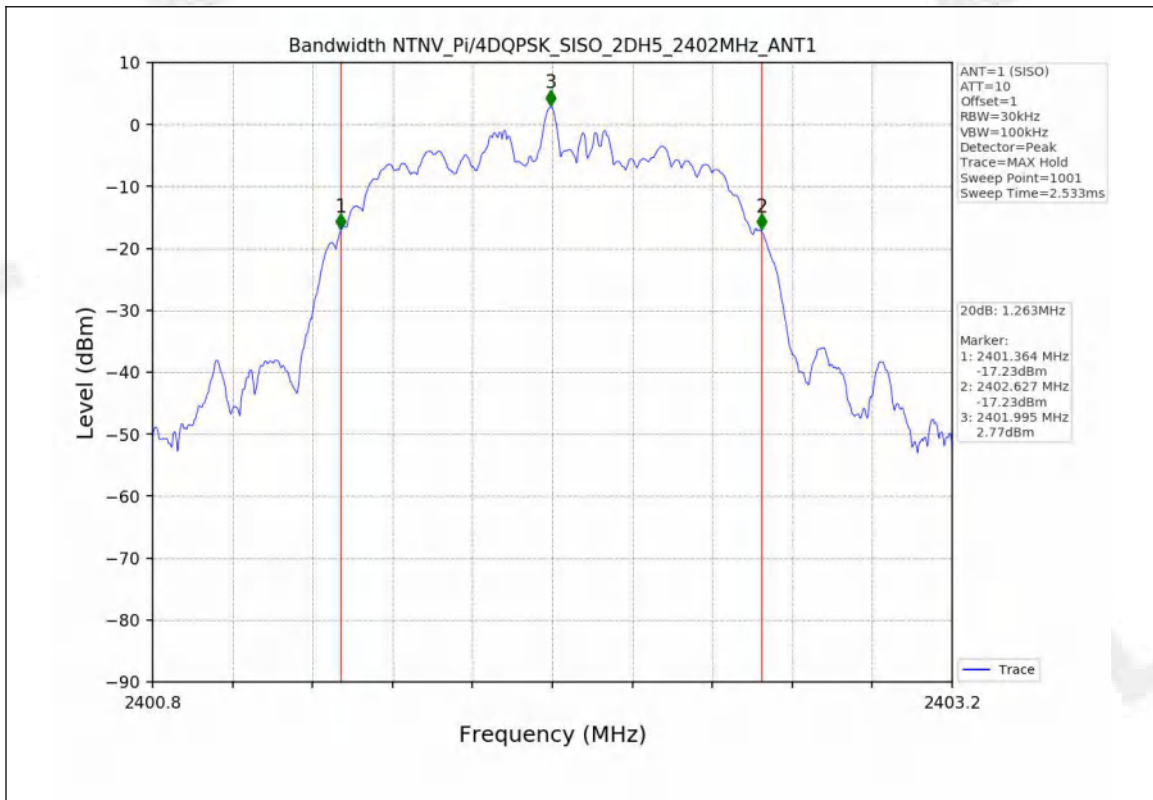
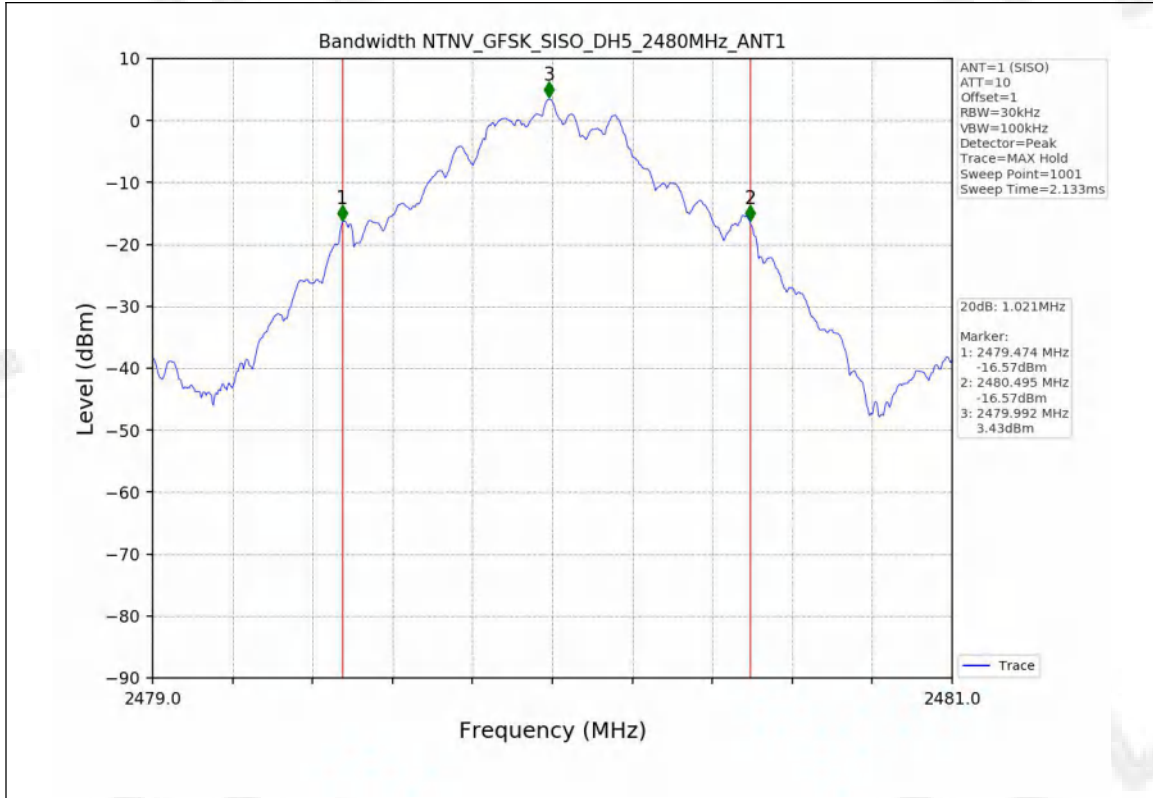
1.1 Test Result

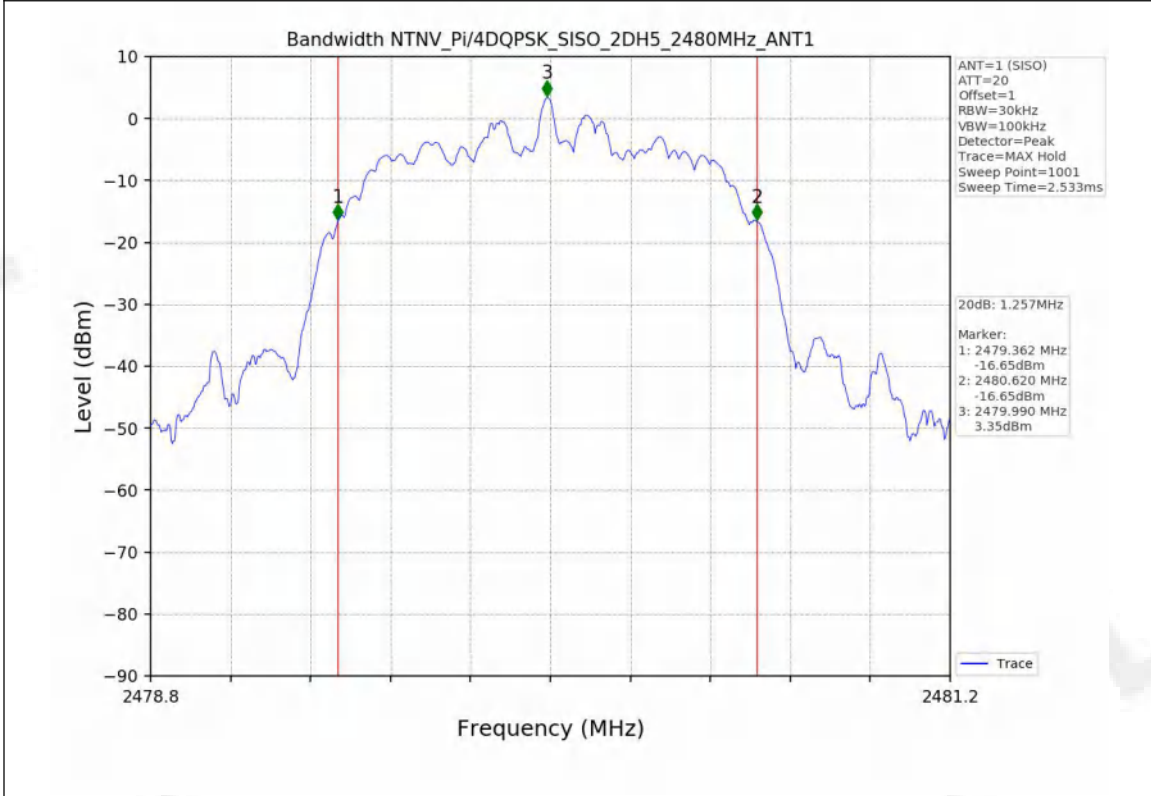
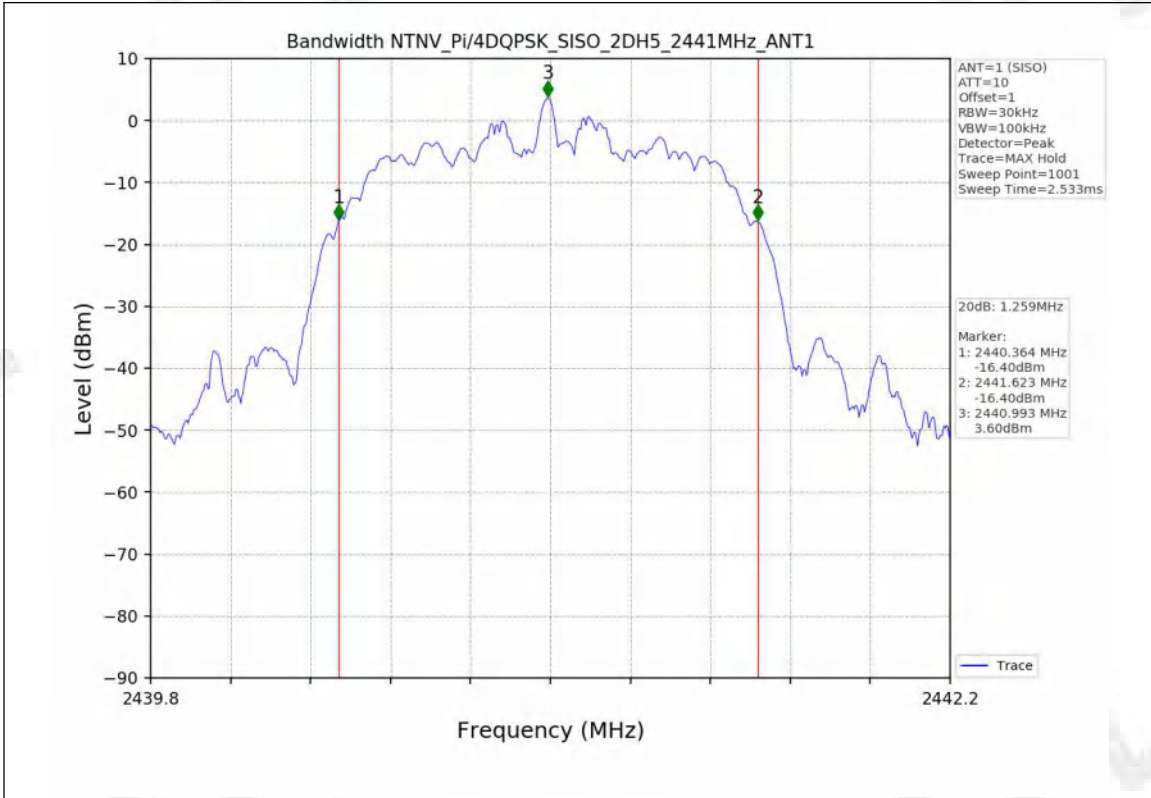
Test Mode	Frequency (MHz)	TX Type	ANT No.	20dB Bandwidth	Verdict
				Test Result (MHz)	
GFSK	2402	SISO	1	1.019	PASS
	2441	SISO	1	0.955	PASS
	2480	SISO	1	1.021	PASS
Pi/4DQPSK	2402	SISO	1	1.263	PASS
	2441	SISO	1	1.259	PASS
	2480	SISO	1	1.257	PASS
8DPSK	2402	SISO	1	1.270	PASS
	2441	SISO	1	1.265	PASS
	2480	SISO	1	1.267	PASS

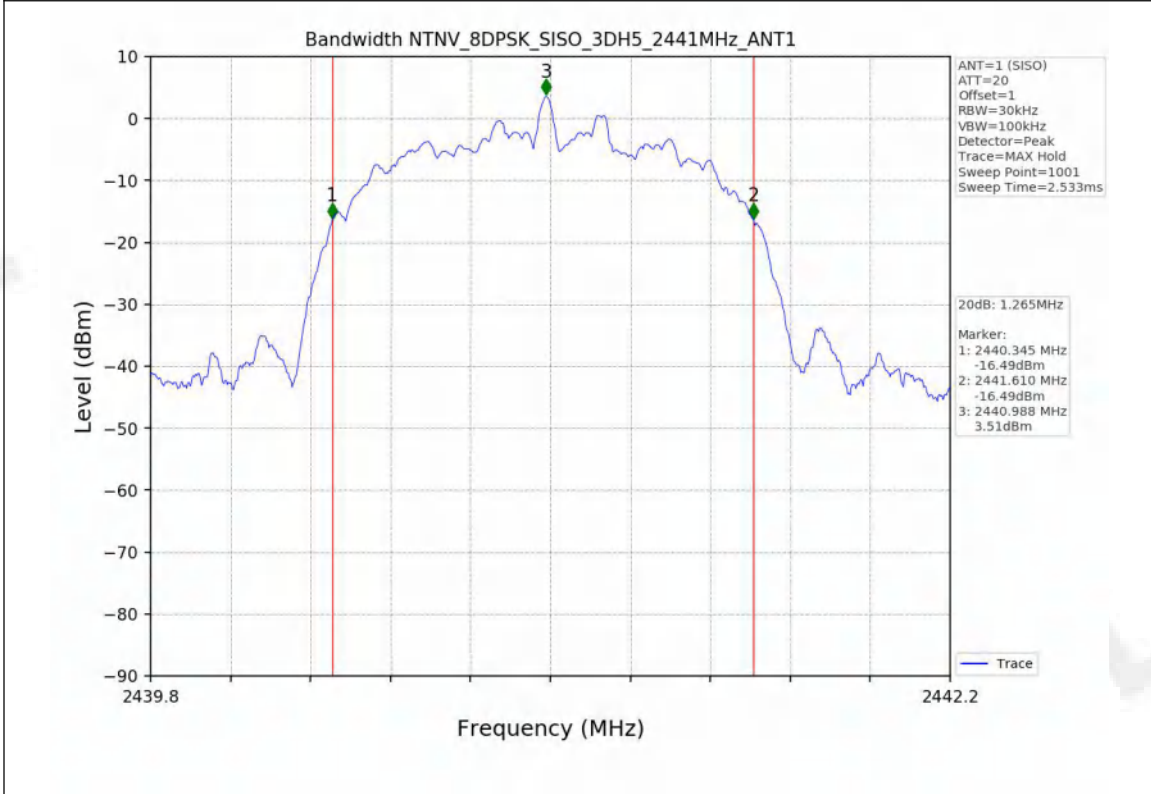
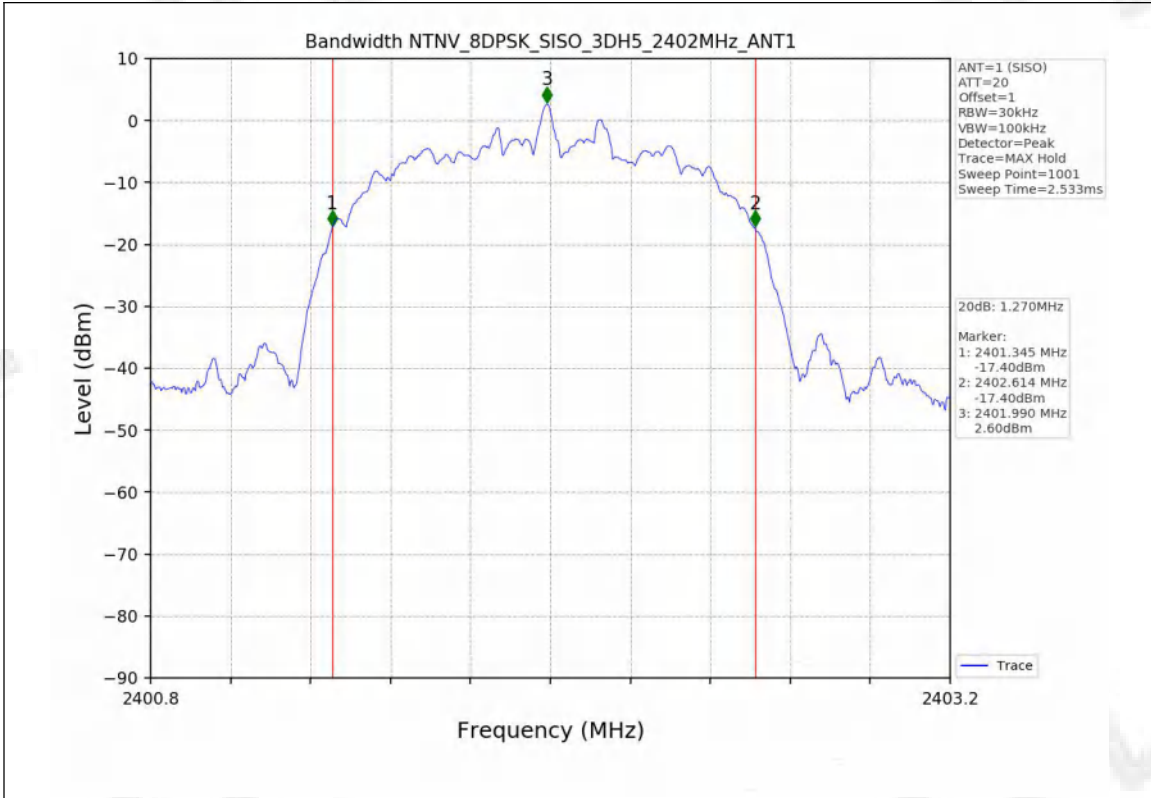
Test Mode	Frequency (MHz)	TX Type	ANT No.	99% Occupied Bandwidth	
				Test Result (MHz)	
GFSK	2402	SISO	1	0.884	Only for Report Use
	2441	SISO	1	0.873	Only for Report Use
	2480	SISO	1	0.878	Only for Report Use
Pi/4DQPSK	2402	SISO	1	1.159	Only for Report Use
	2441	SISO	1	1.157	Only for Report Use
	2480	SISO	1	1.158	Only for Report Use
8DPSK	2402	SISO	1	1.162	Only for Report Use
	2441	SISO	1	1.163	Only for Report Use
	2480	SISO	1	1.163	Only for Report Use

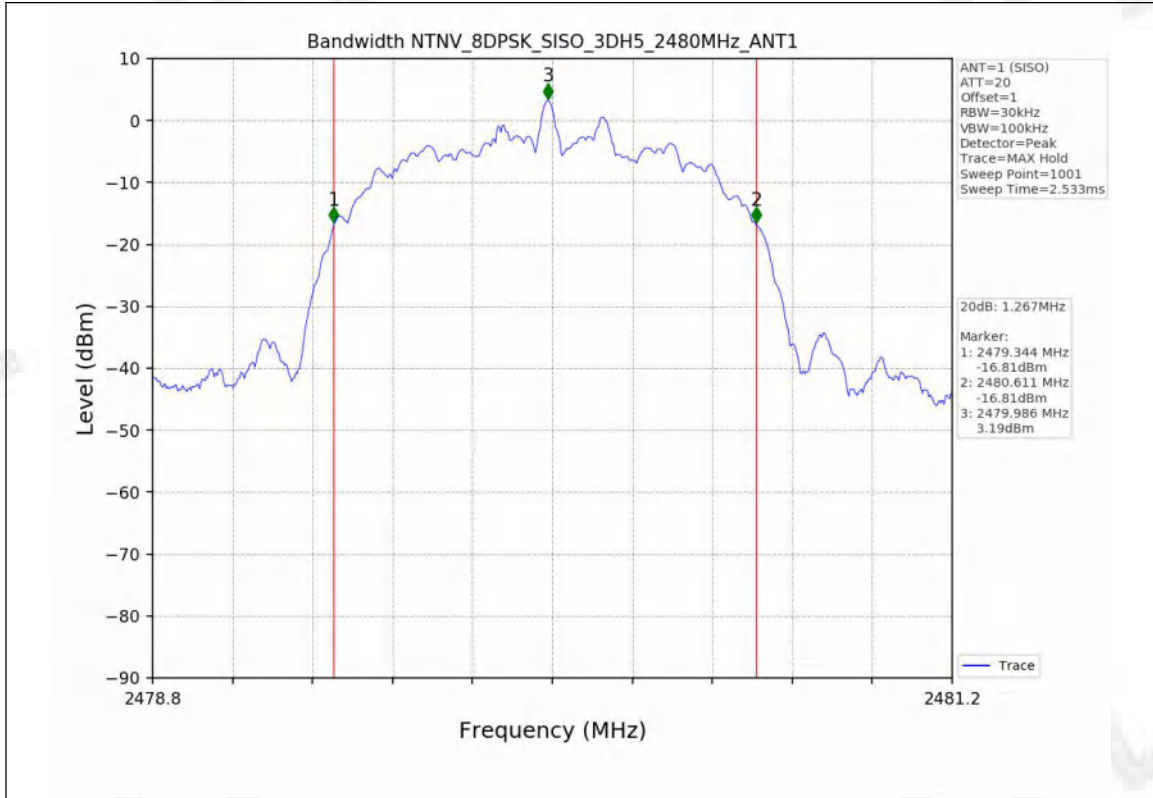
1.2 Test Graph - 20dB Bandwidth



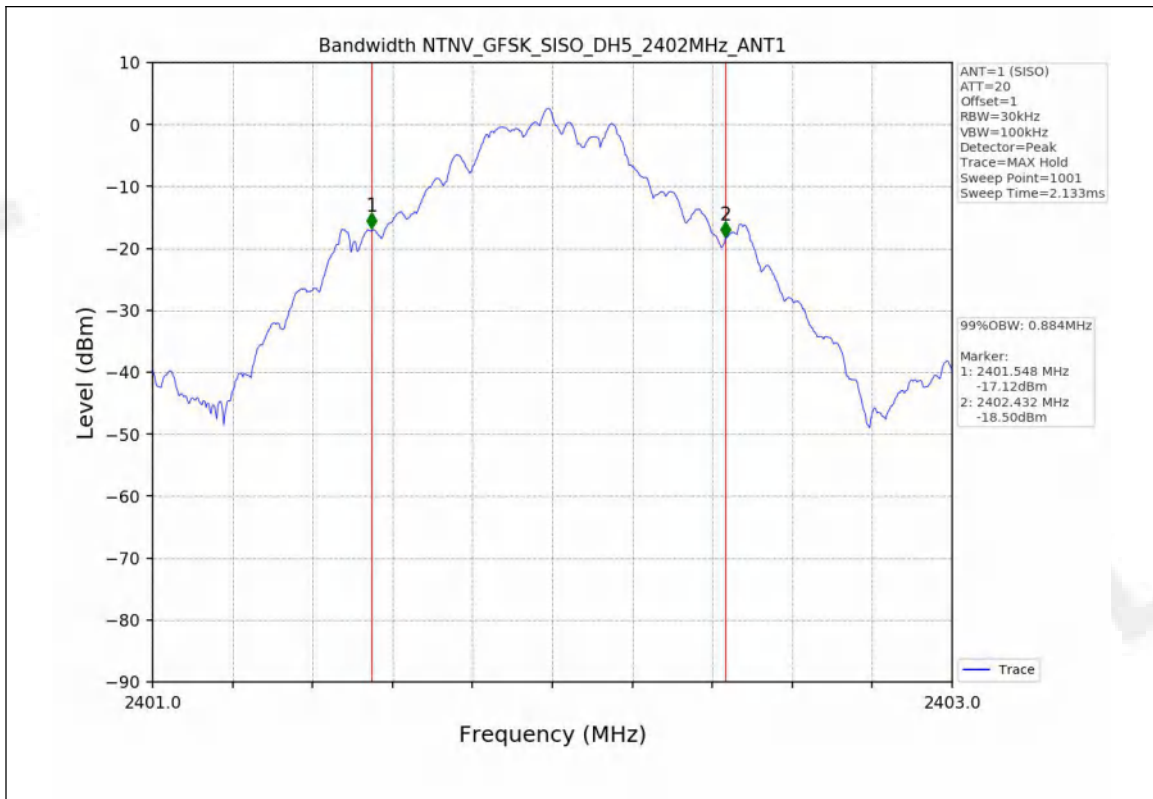


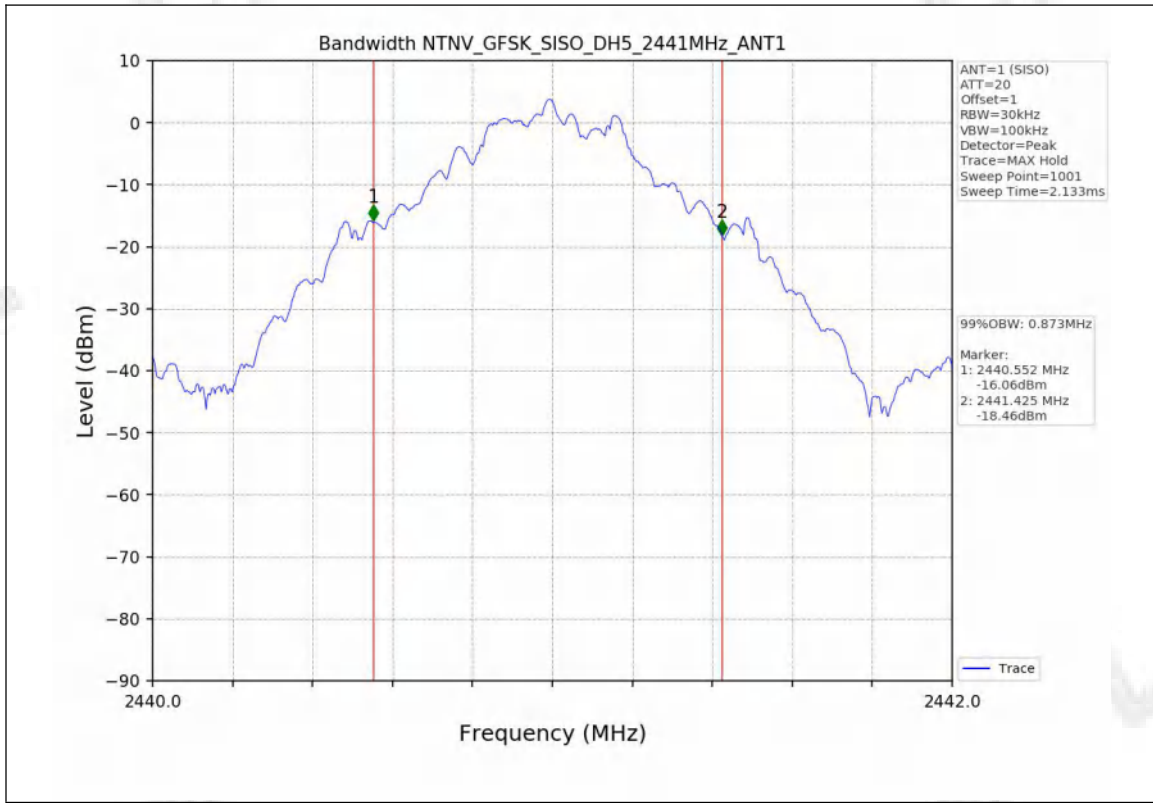


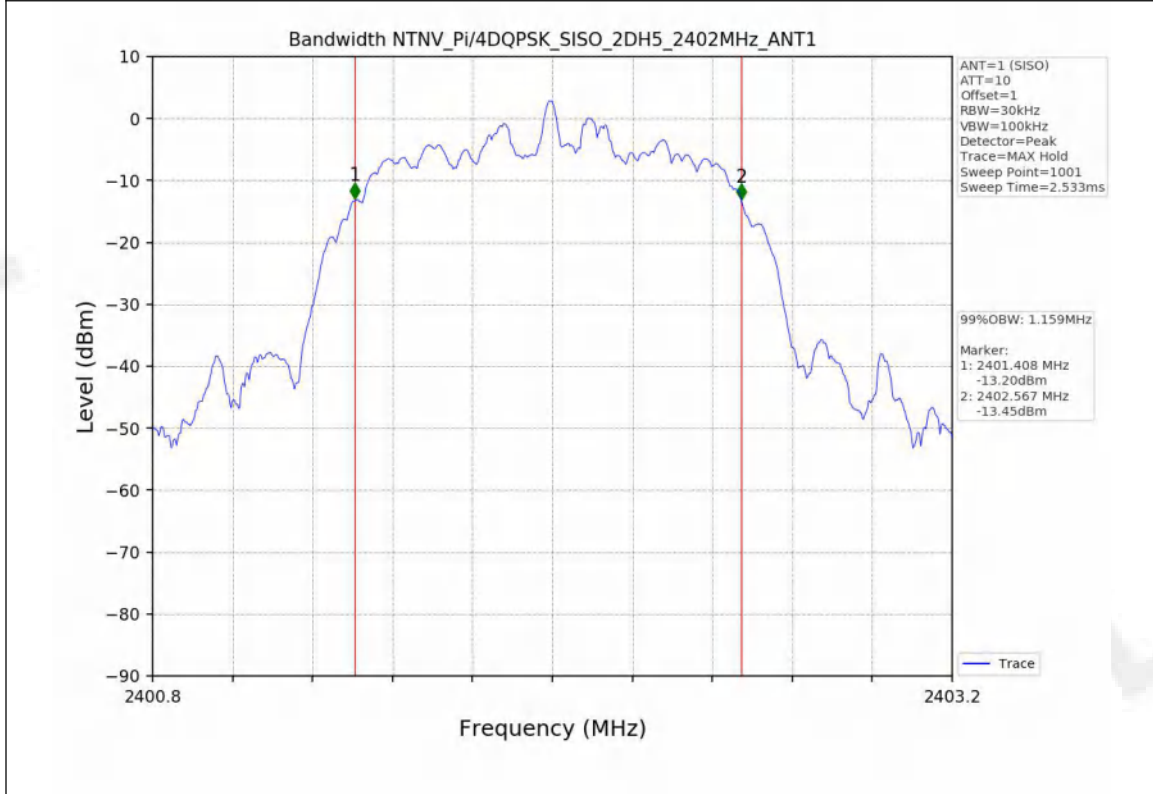
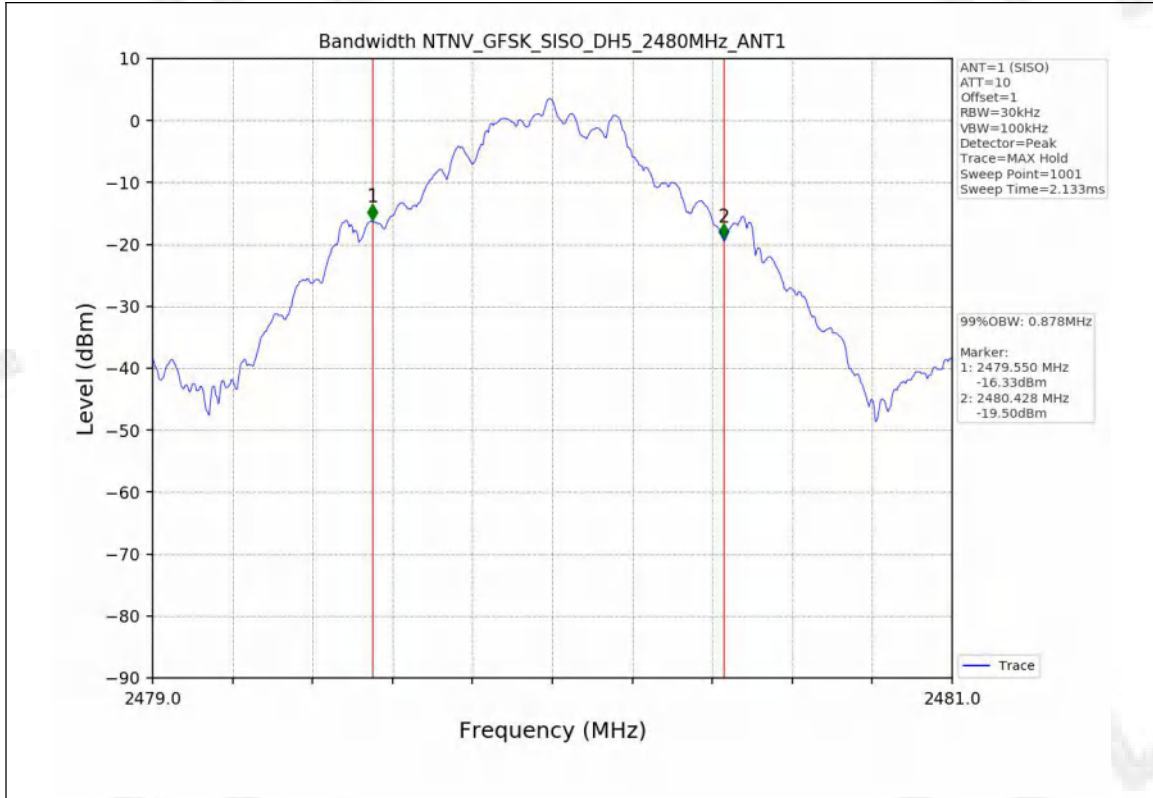


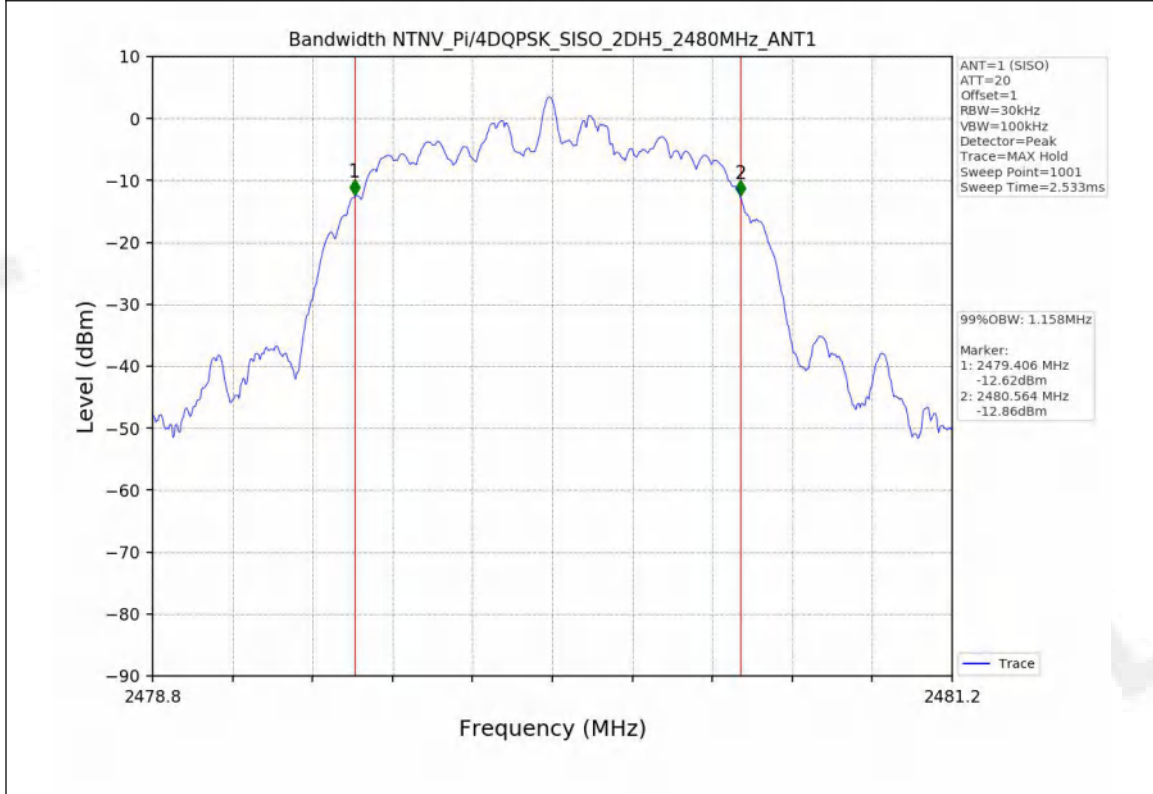
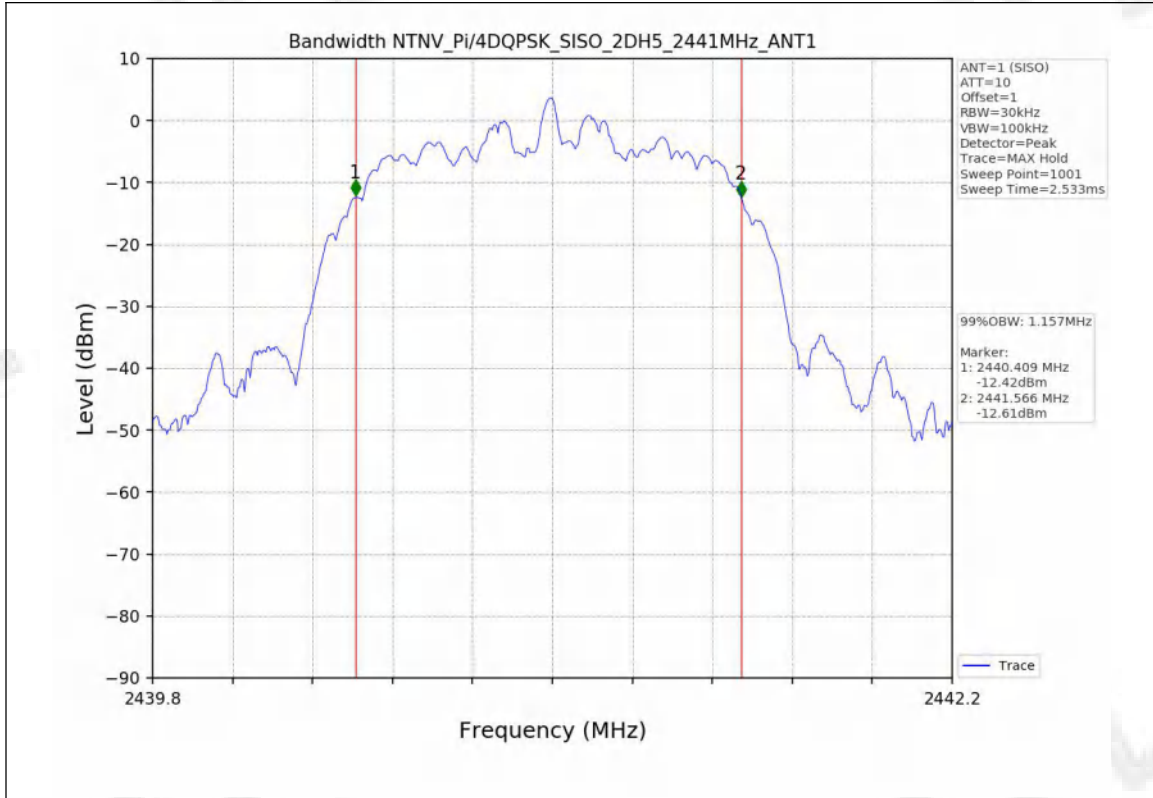


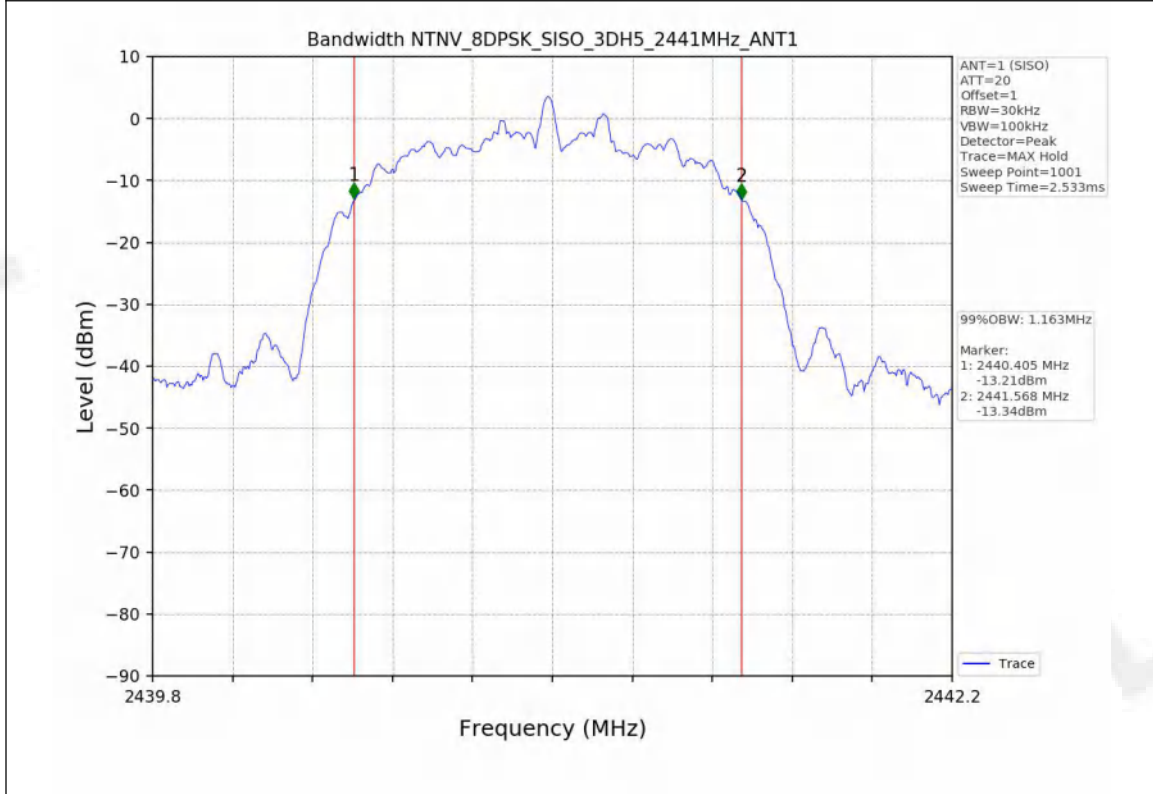
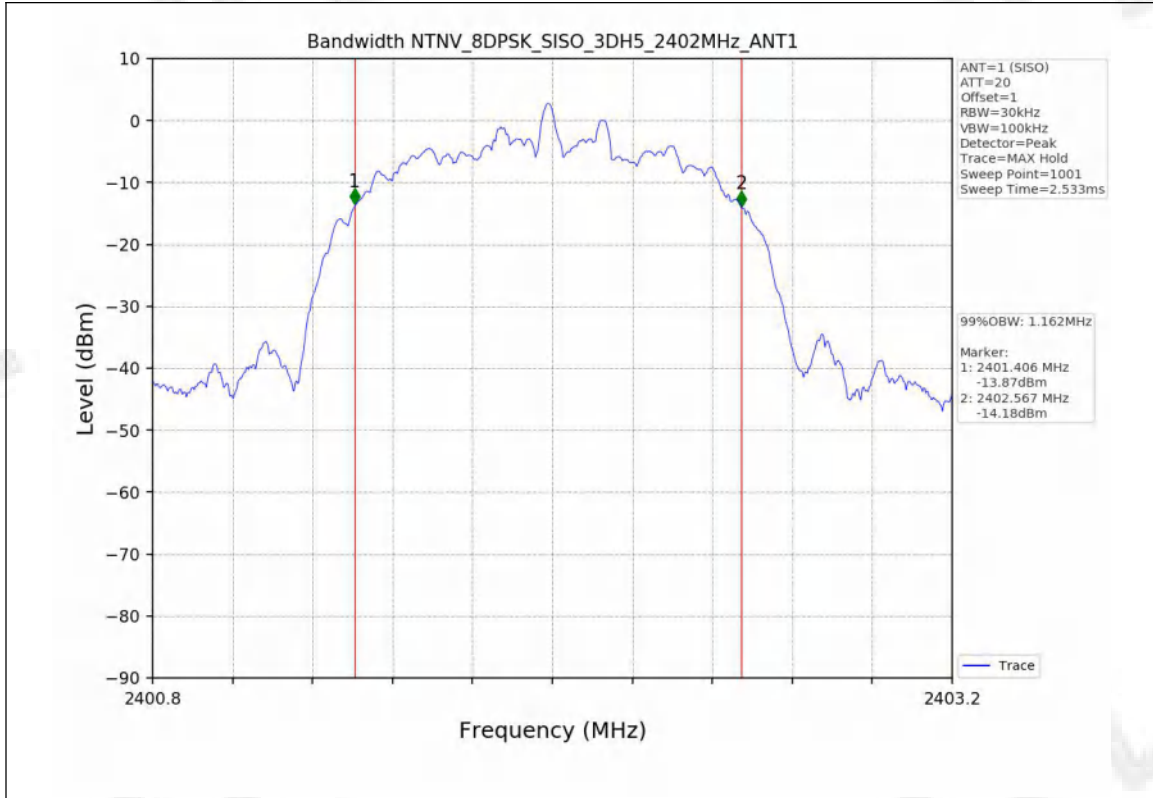
1.3 Test Graph - 99% Occupied Bandwidth

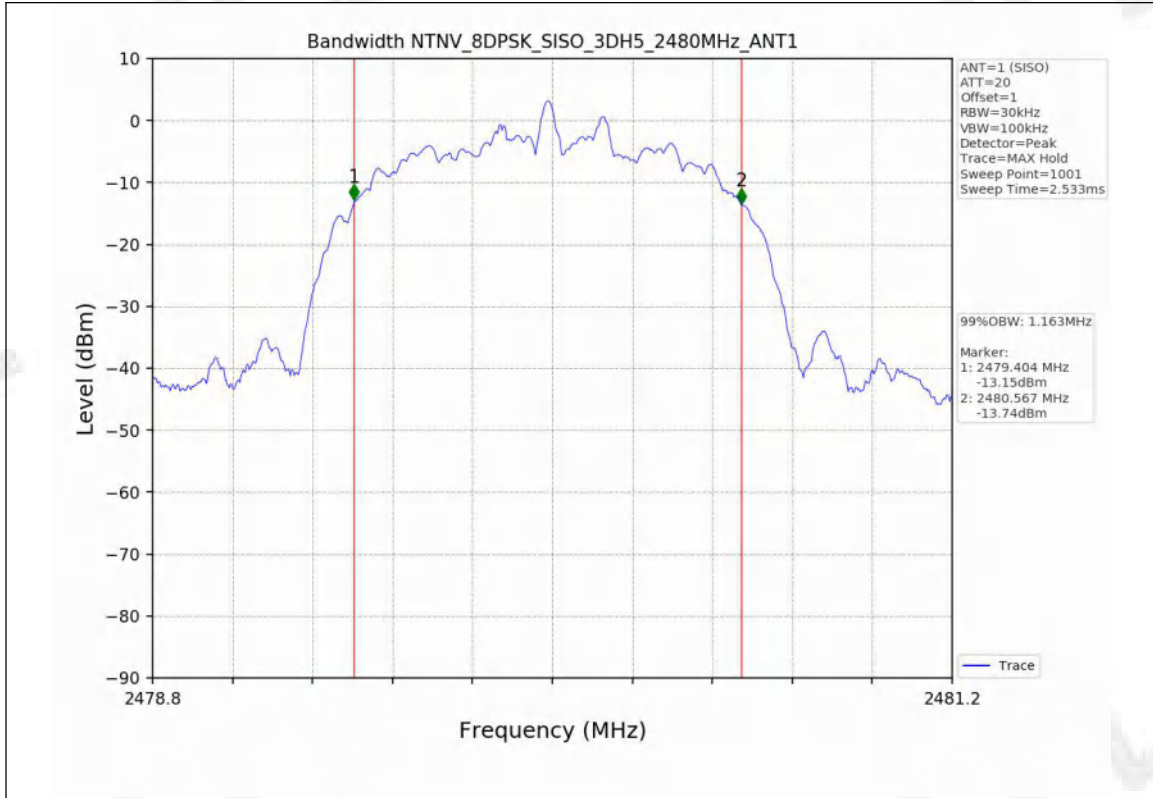










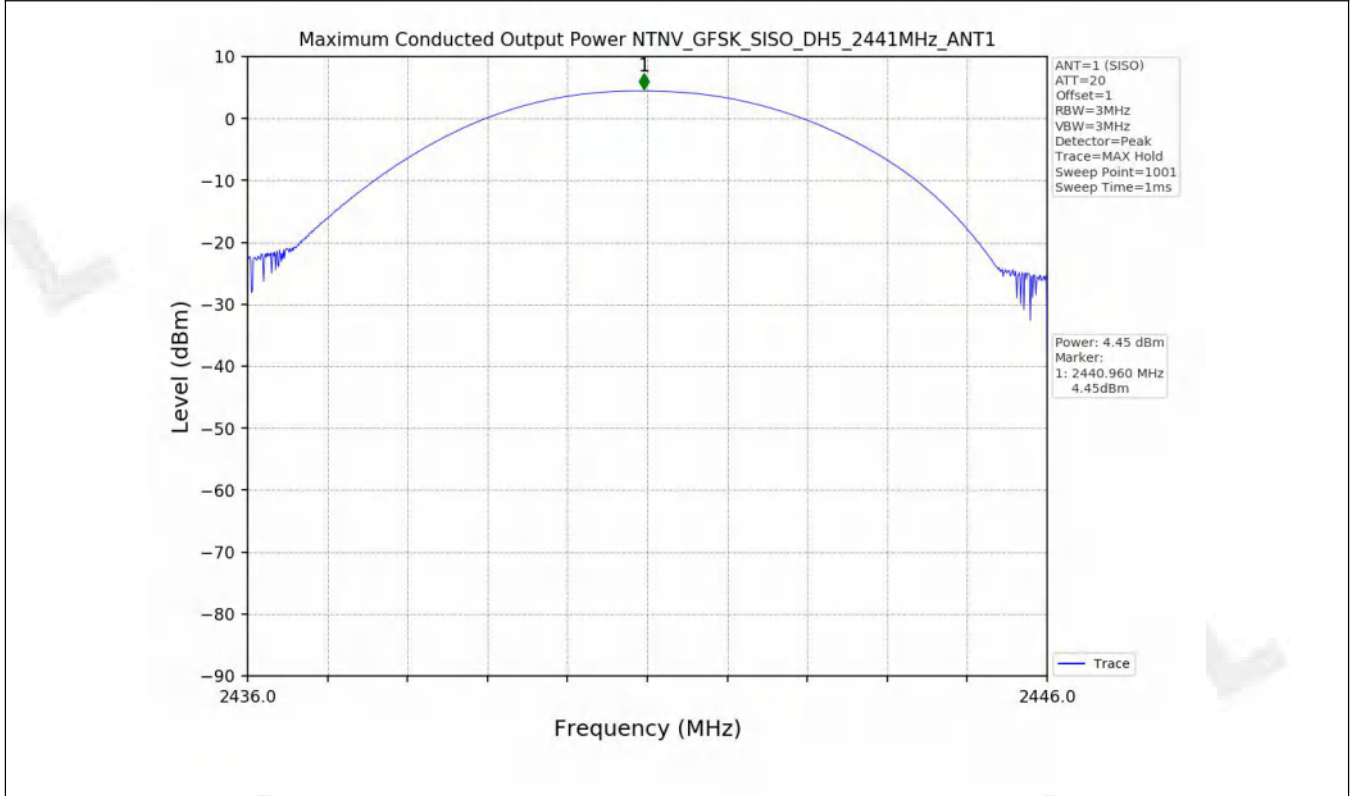
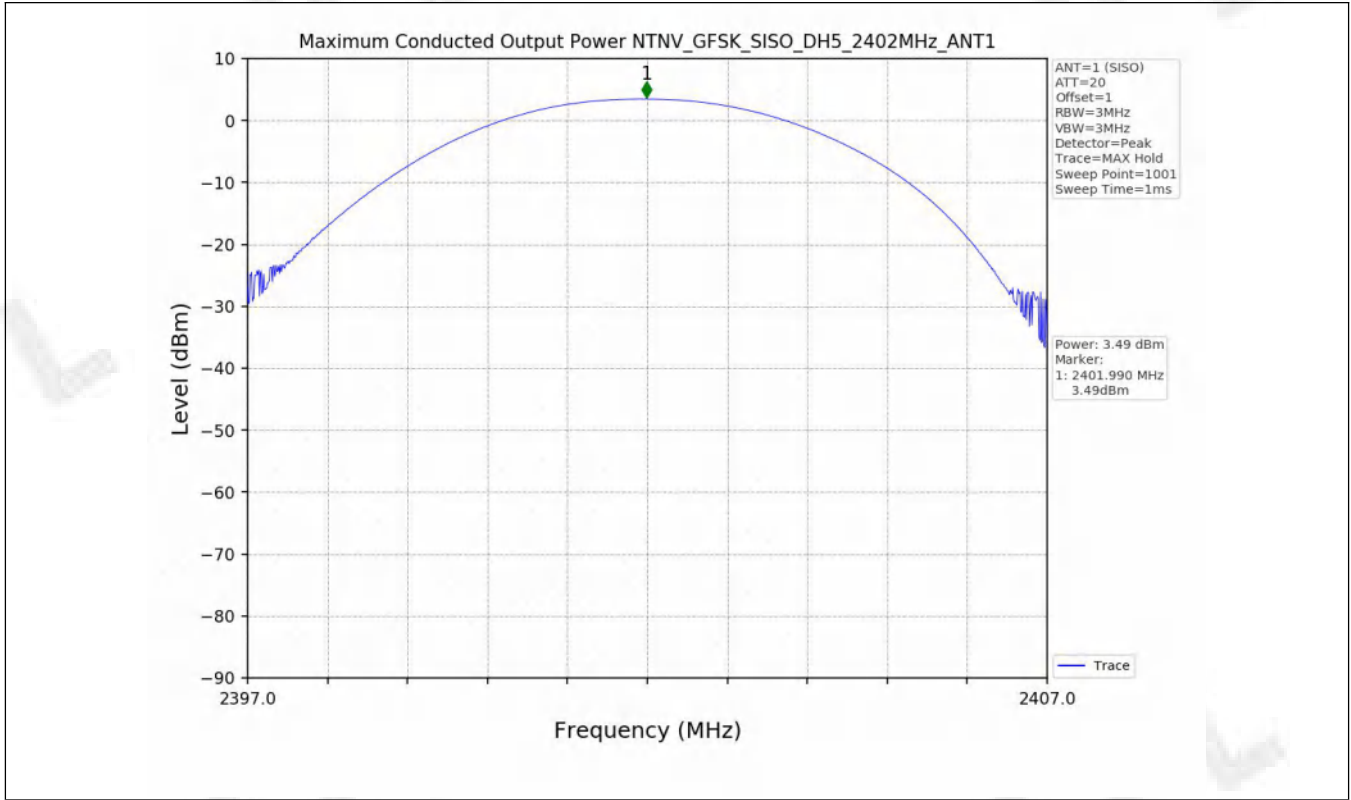


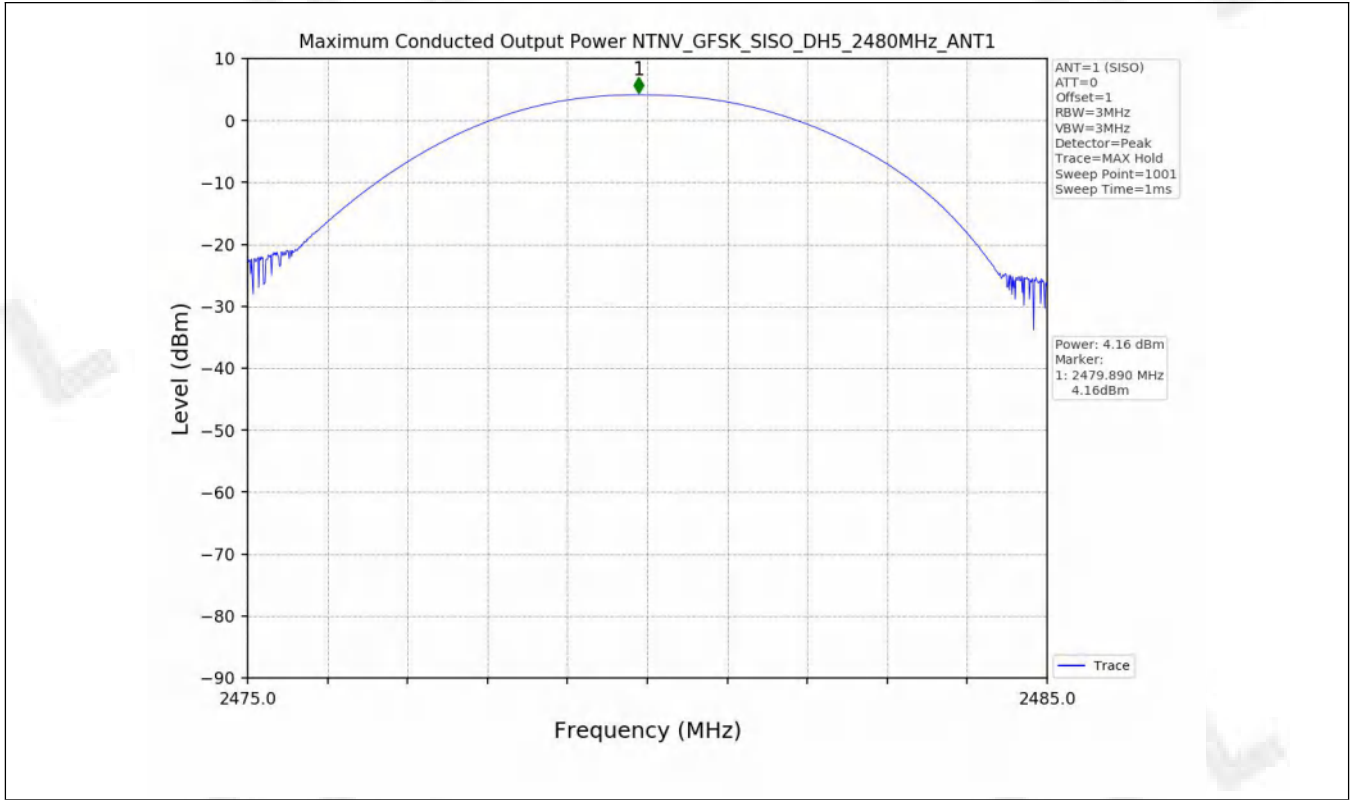
2. Maximum Conducted Output Power

2.1 Test Result

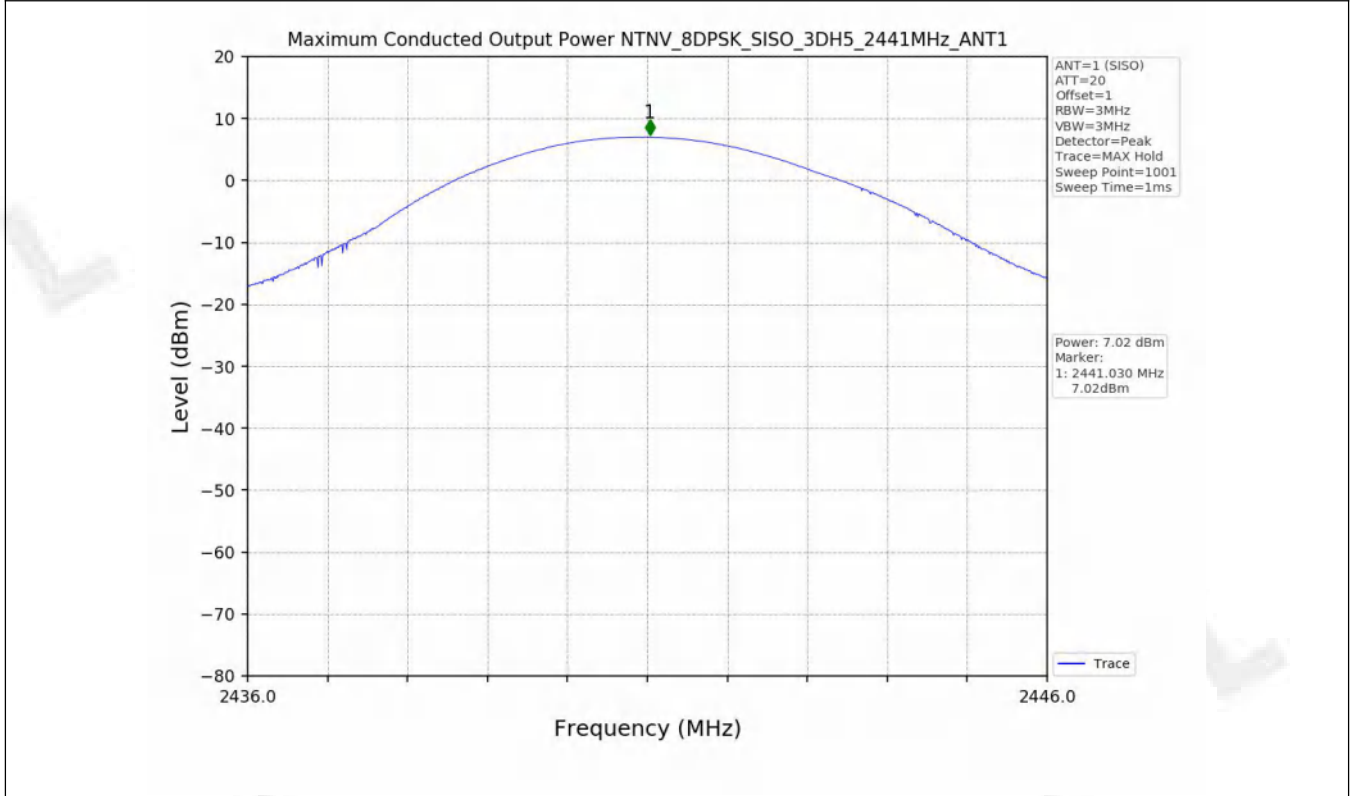
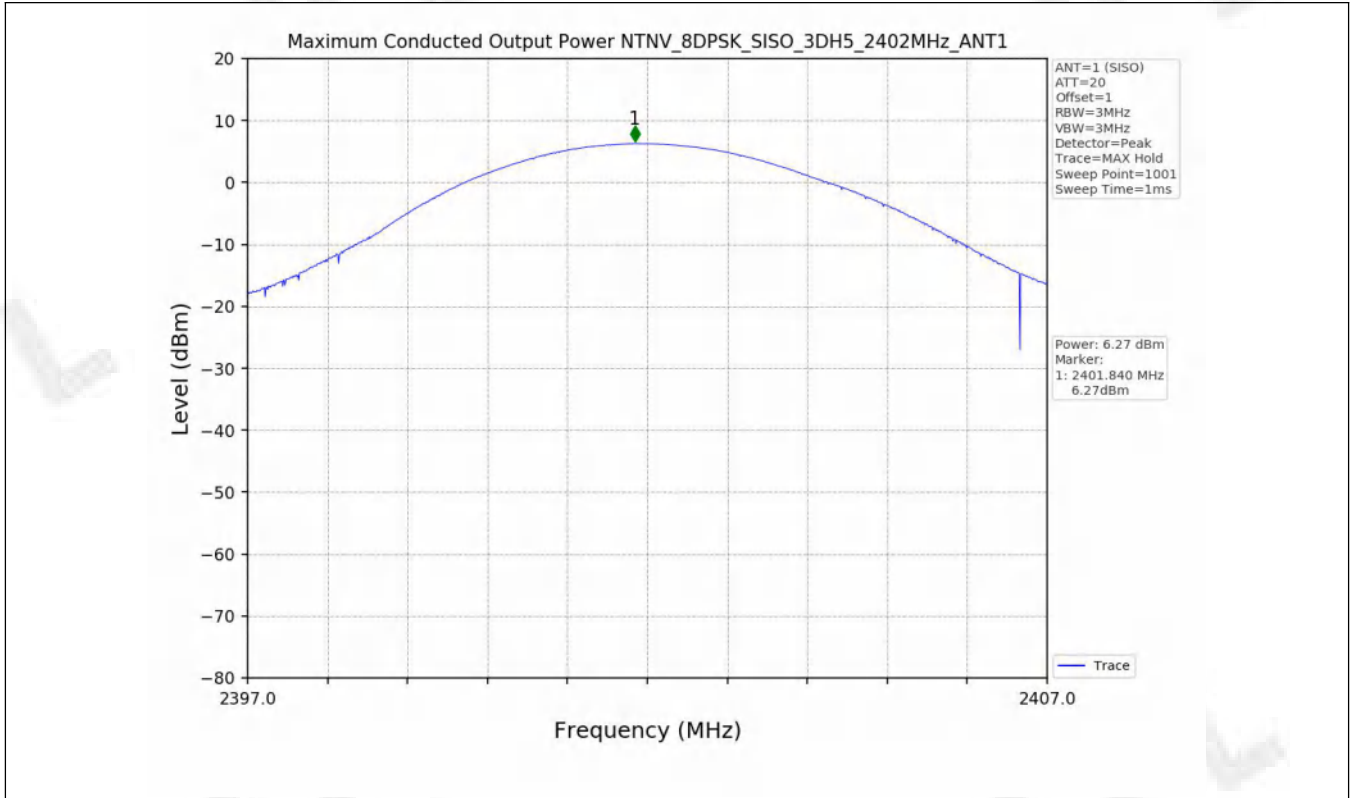
Test Mode	Frequency (MHz)	Tx Type	Measured Peak Output Power (dBm)	Limits (dBm)	Verdict
			Ant 1		
GFSK	2402	SISO	3.49	20.97	PASS
	2441	SISO	4.45	20.97	PASS
	2480	SISO	4.16	20.97	PASS
Pi/4DQPSK	2402	SISO	6.02	20.97	PASS
	2441	SISO	6.78	20.97	PASS
	2480	SISO	6.54	20.97	PASS
8DPSK	2402	SISO	6.27	20.97	PASS
	2441	SISO	7.02	20.97	PASS
	2480	SISO	6.68	20.97	PASS

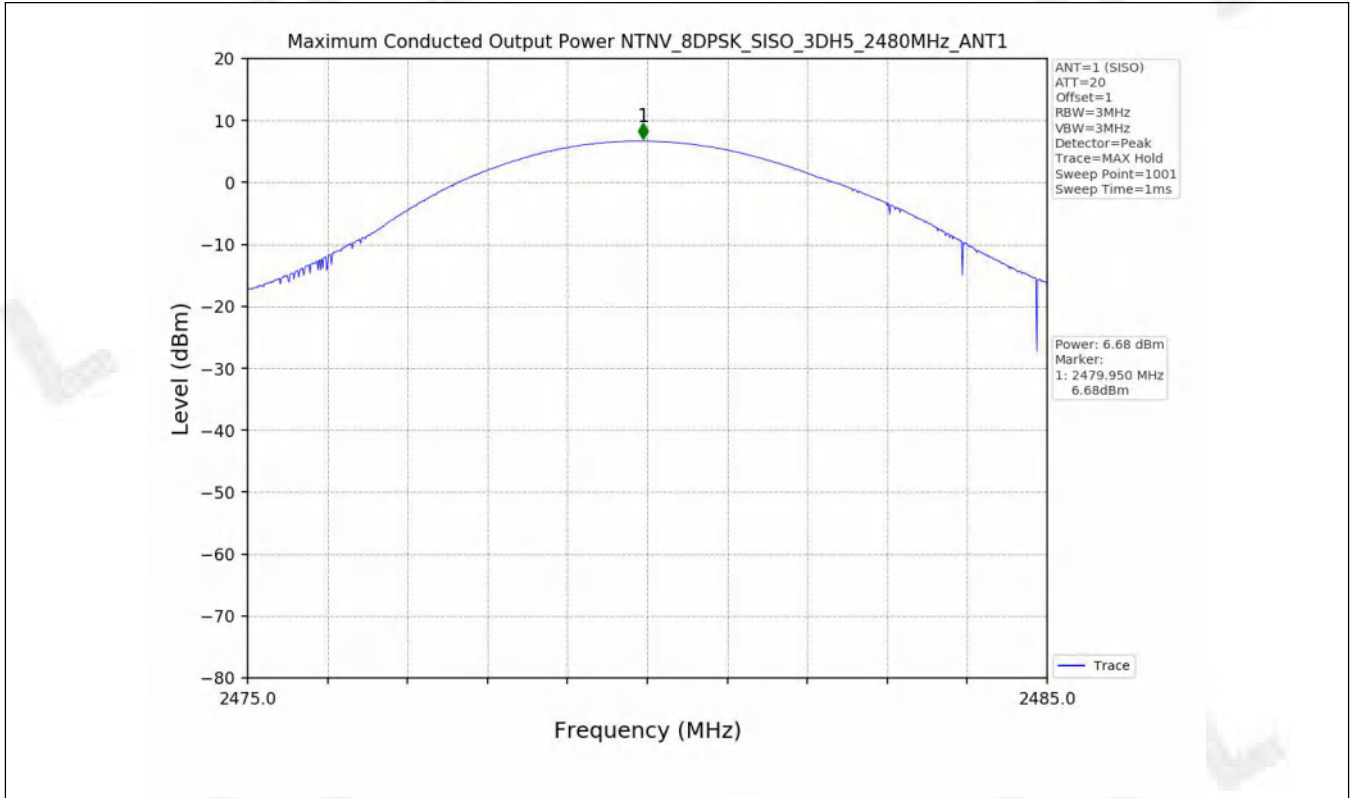
2.2 Test Graph









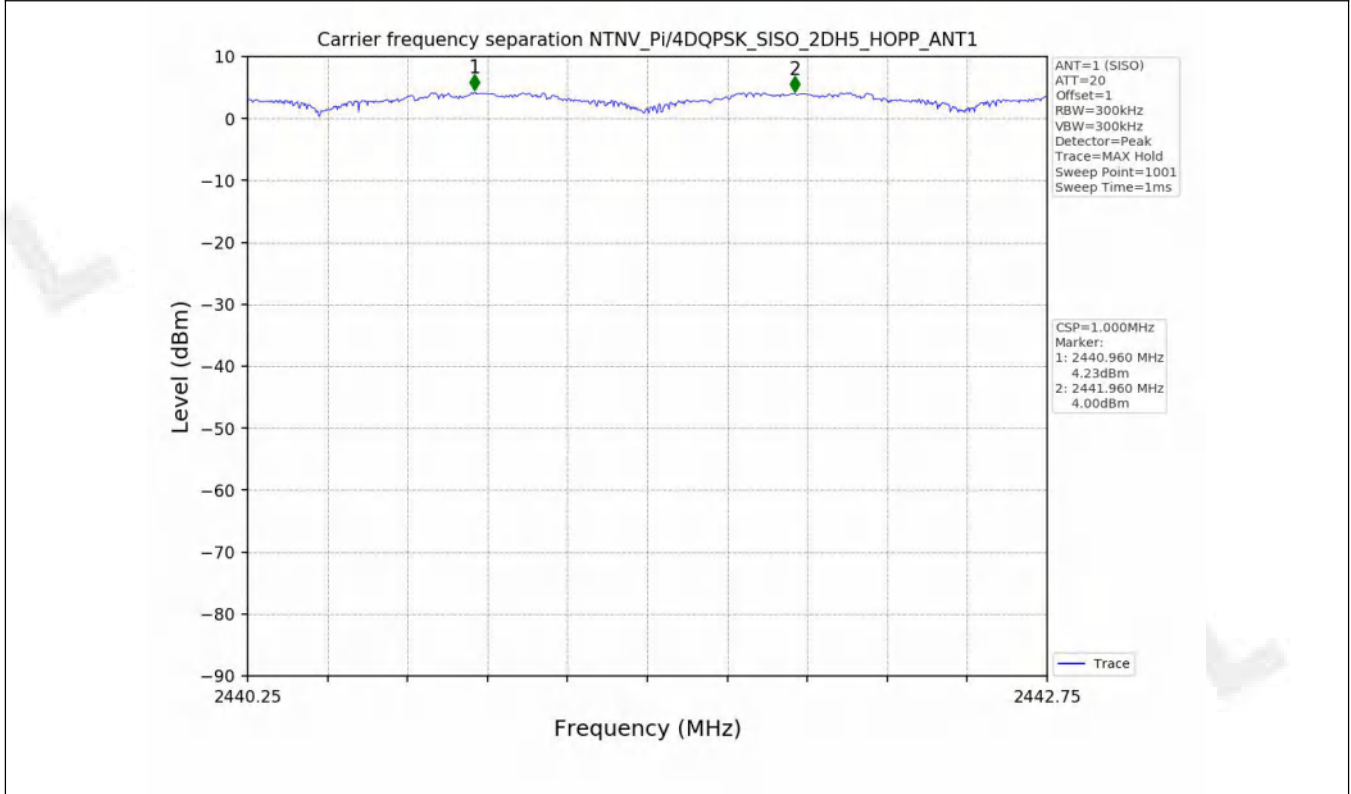
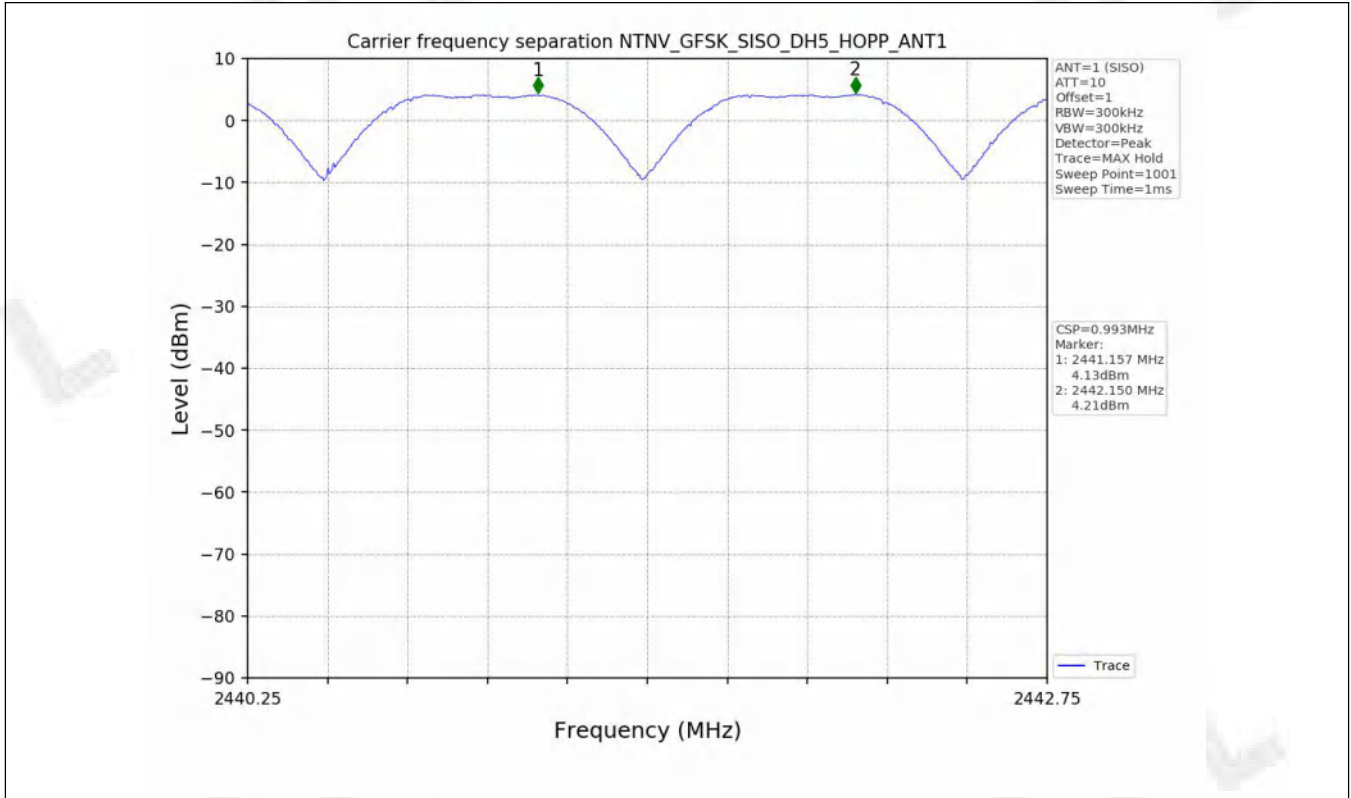


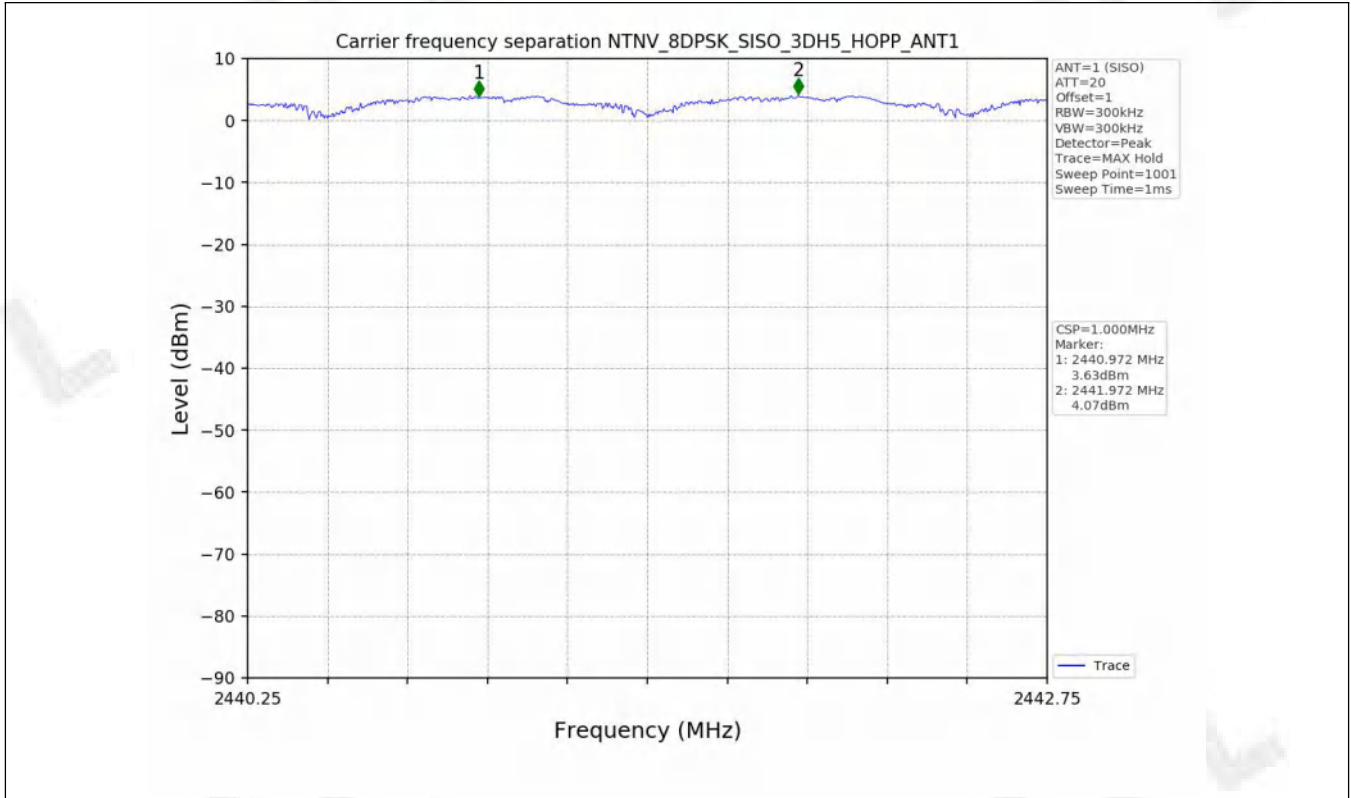
3. Carrier frequency separation

3.1 Test Result

Test Mode	TX Type	ANT No.	Channel Separation (MHz)	20dB Bandwidth (MHz)	Limits (MHz)	Verdict
GFSK	SISO	1	0.993	1.022	≥0.681	PASS
π/4DQPSK	SISO	1	1.000	1.263	≥0.842	PASS
8DPSK	SISO	1	1.000	1.270	≥0.847	PASS

3.2 Test Graph



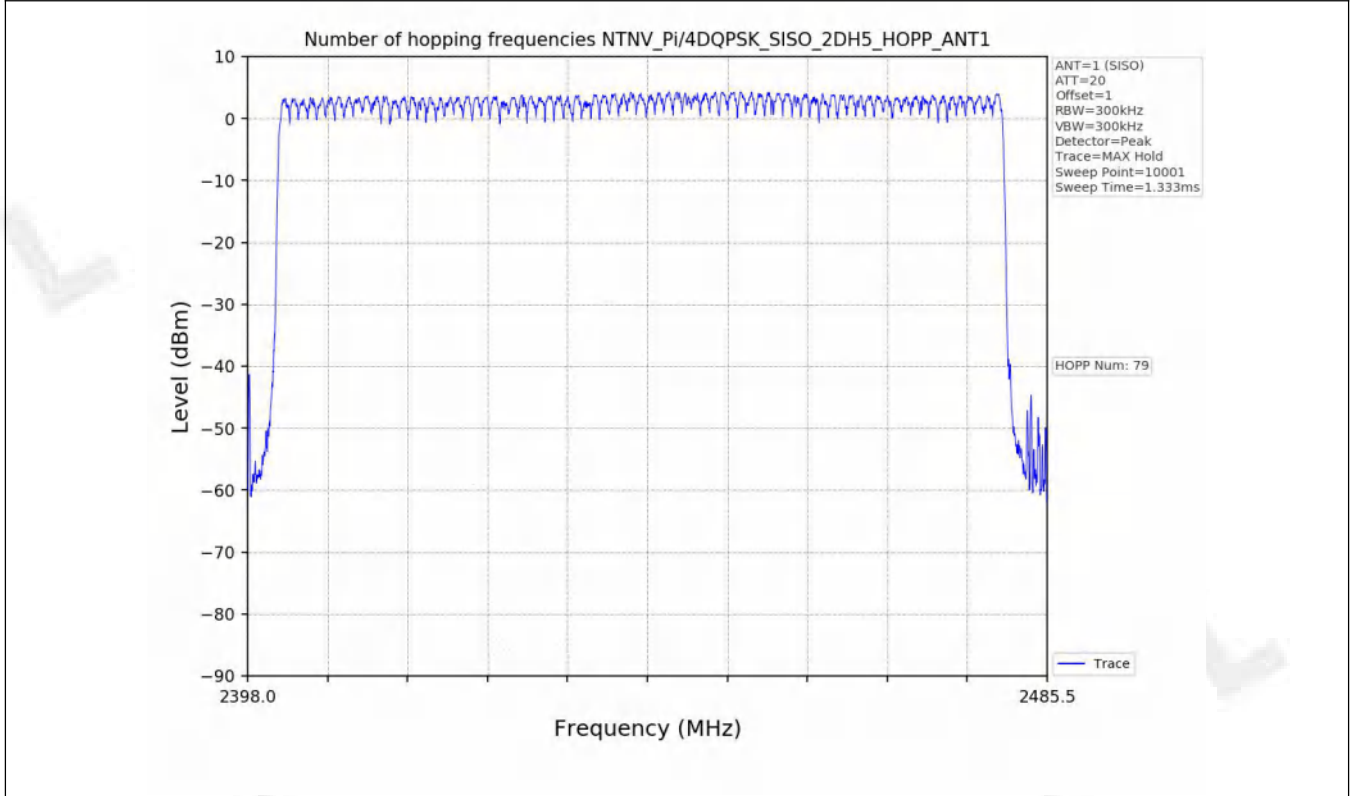
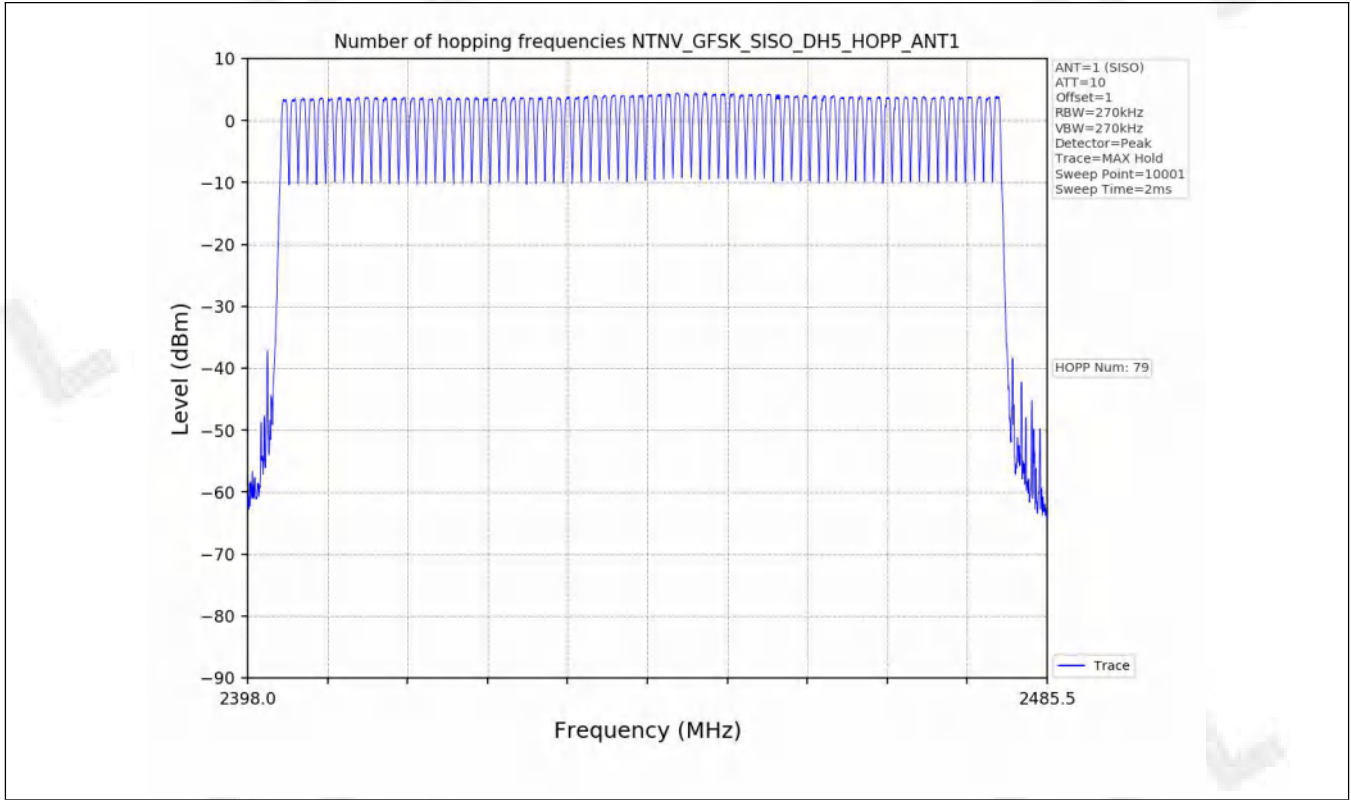


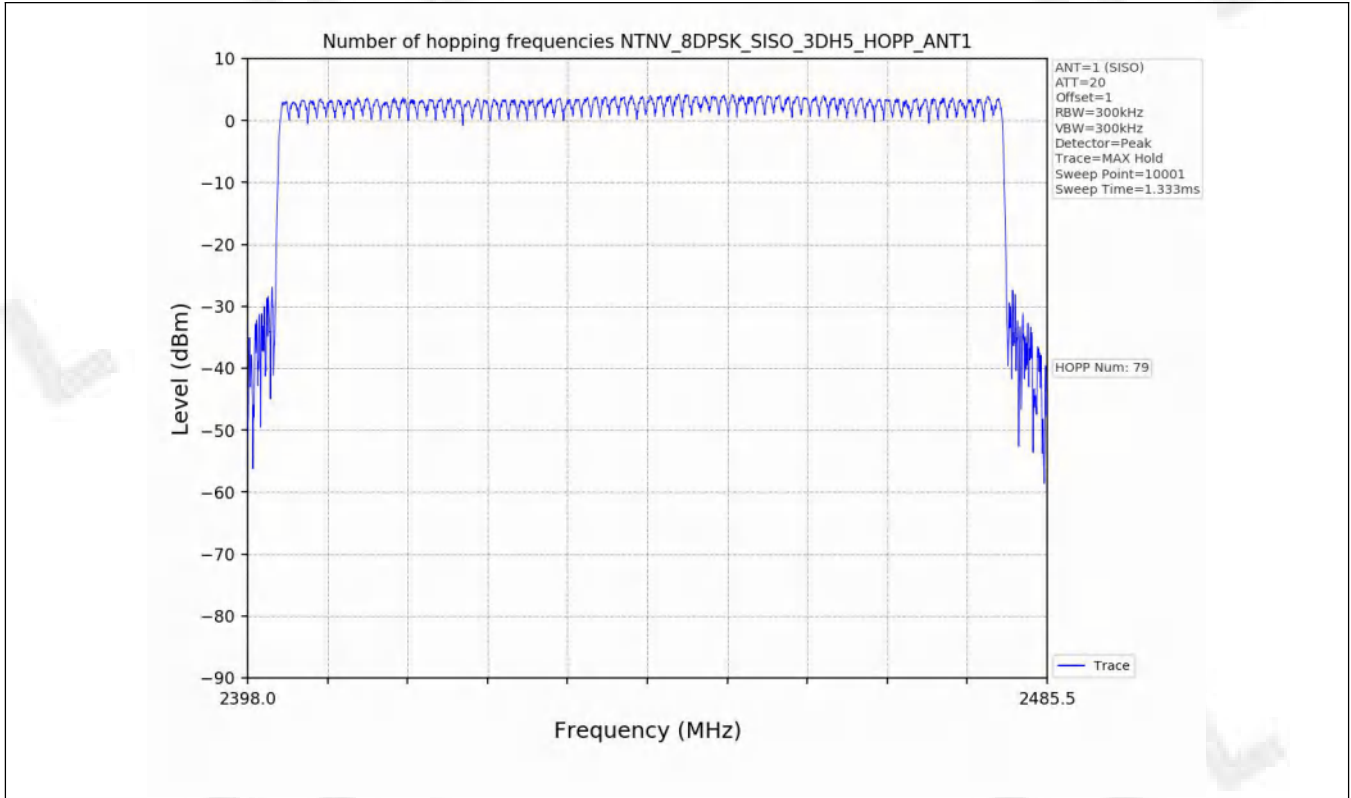
4. Number of hopping frequencies

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



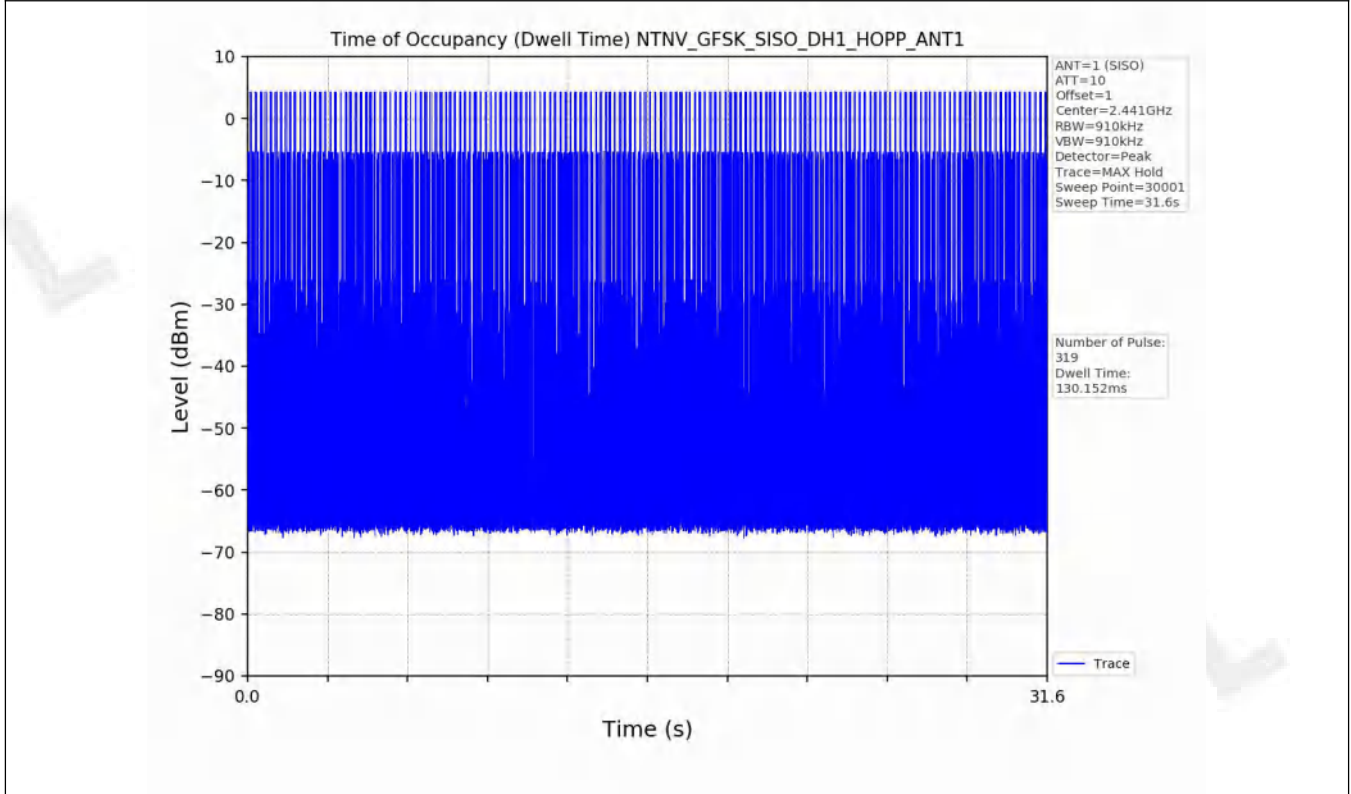
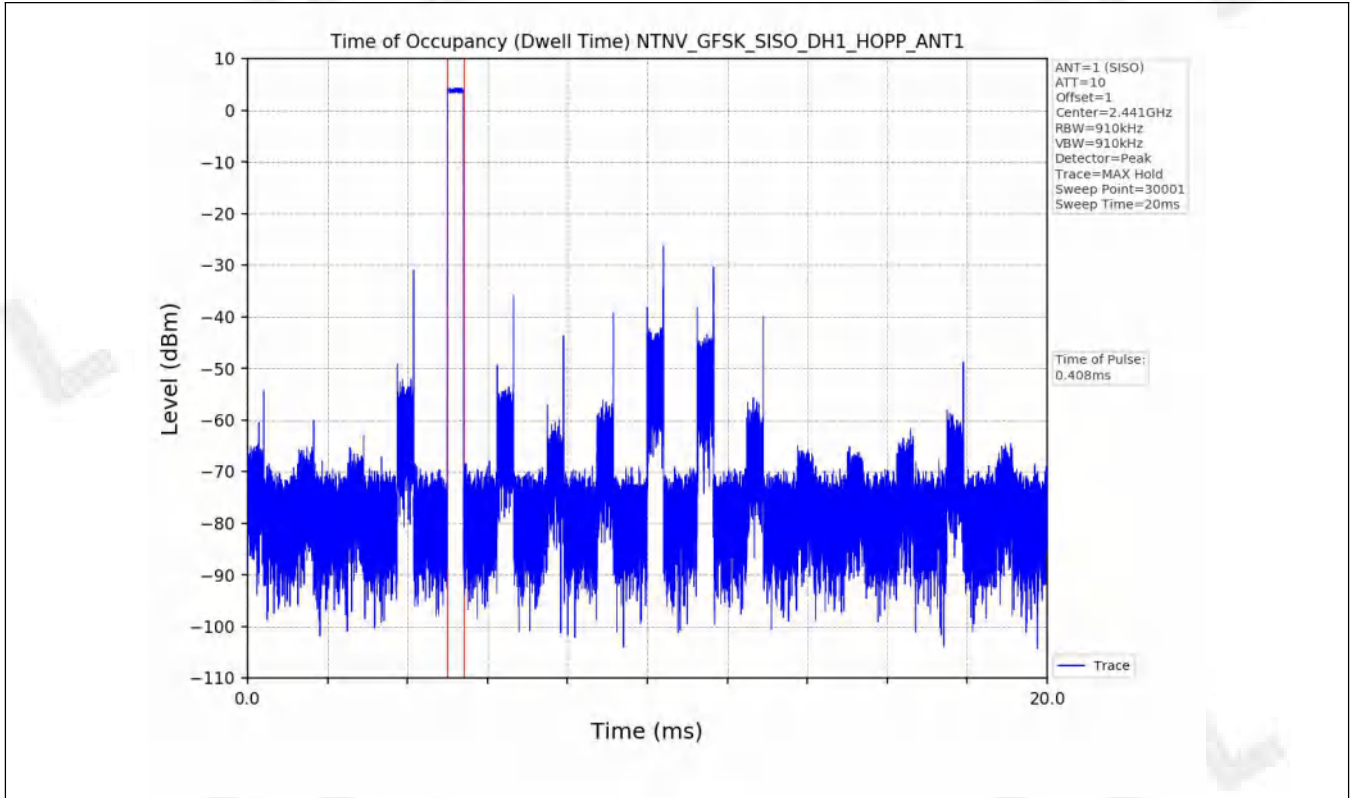


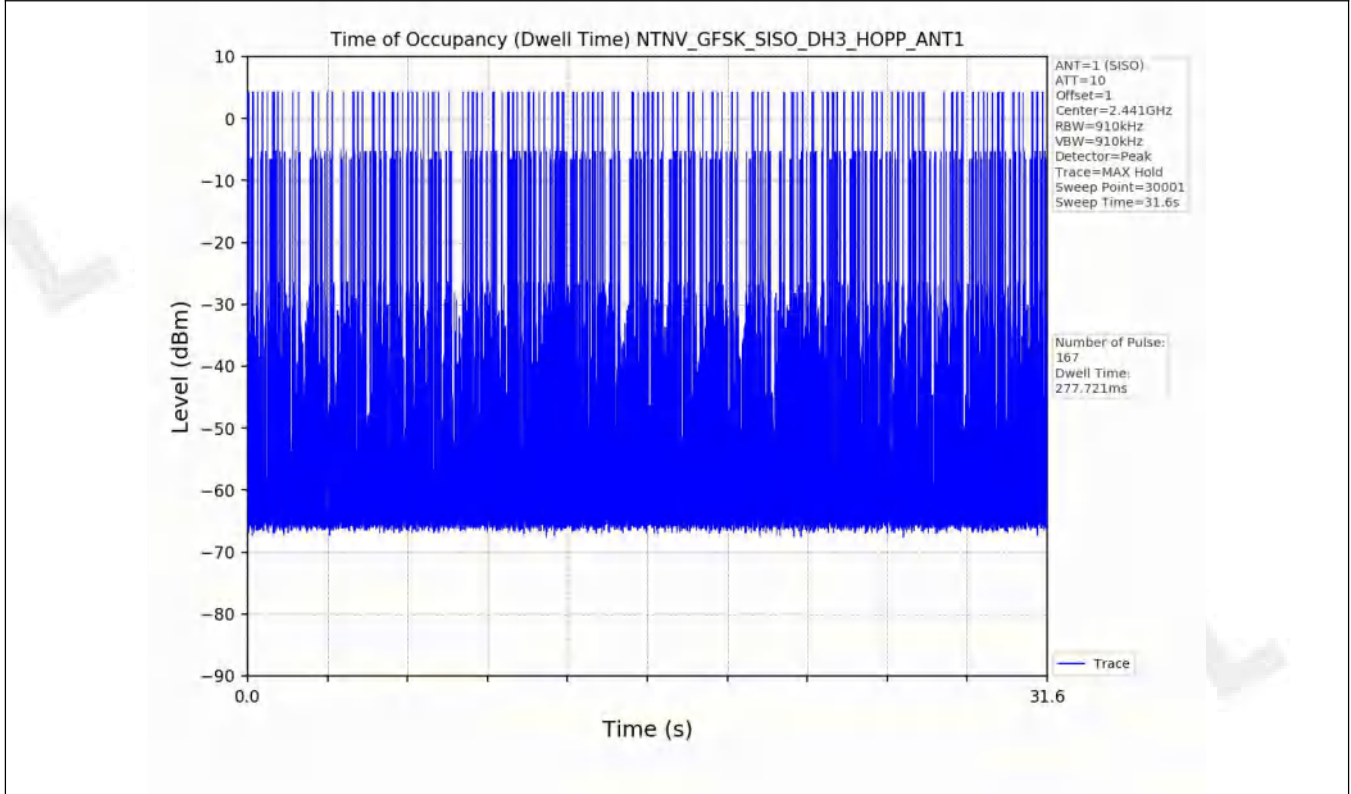
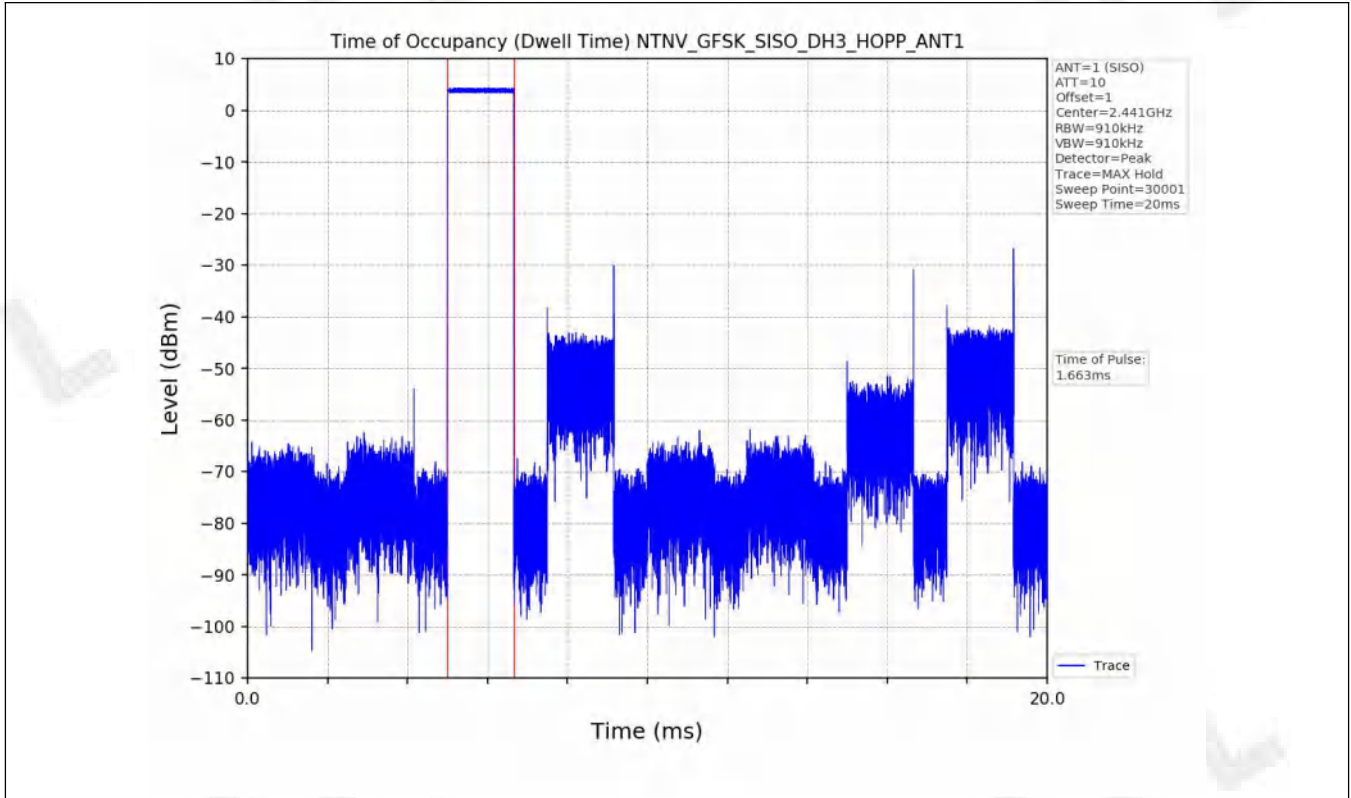
5. Time of Occupancy (Dwell Time)

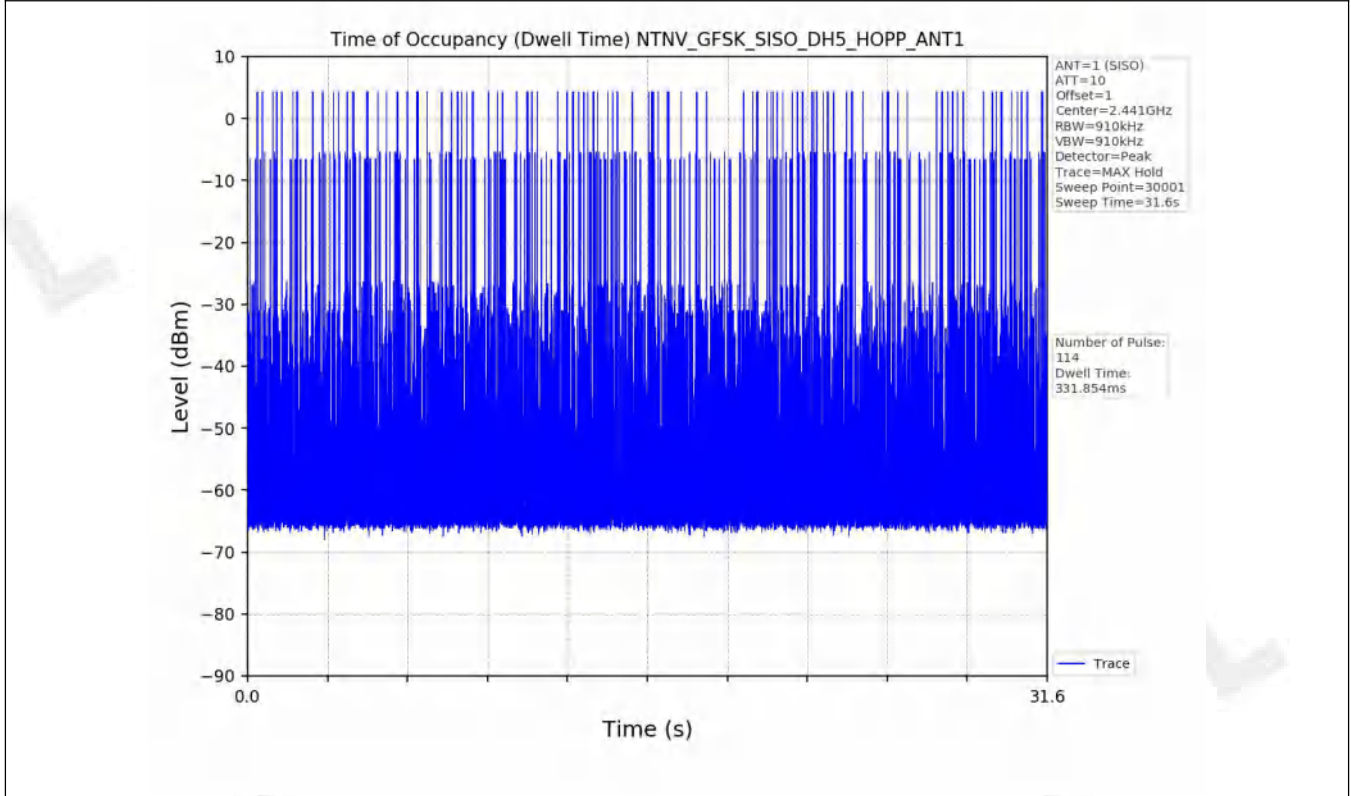
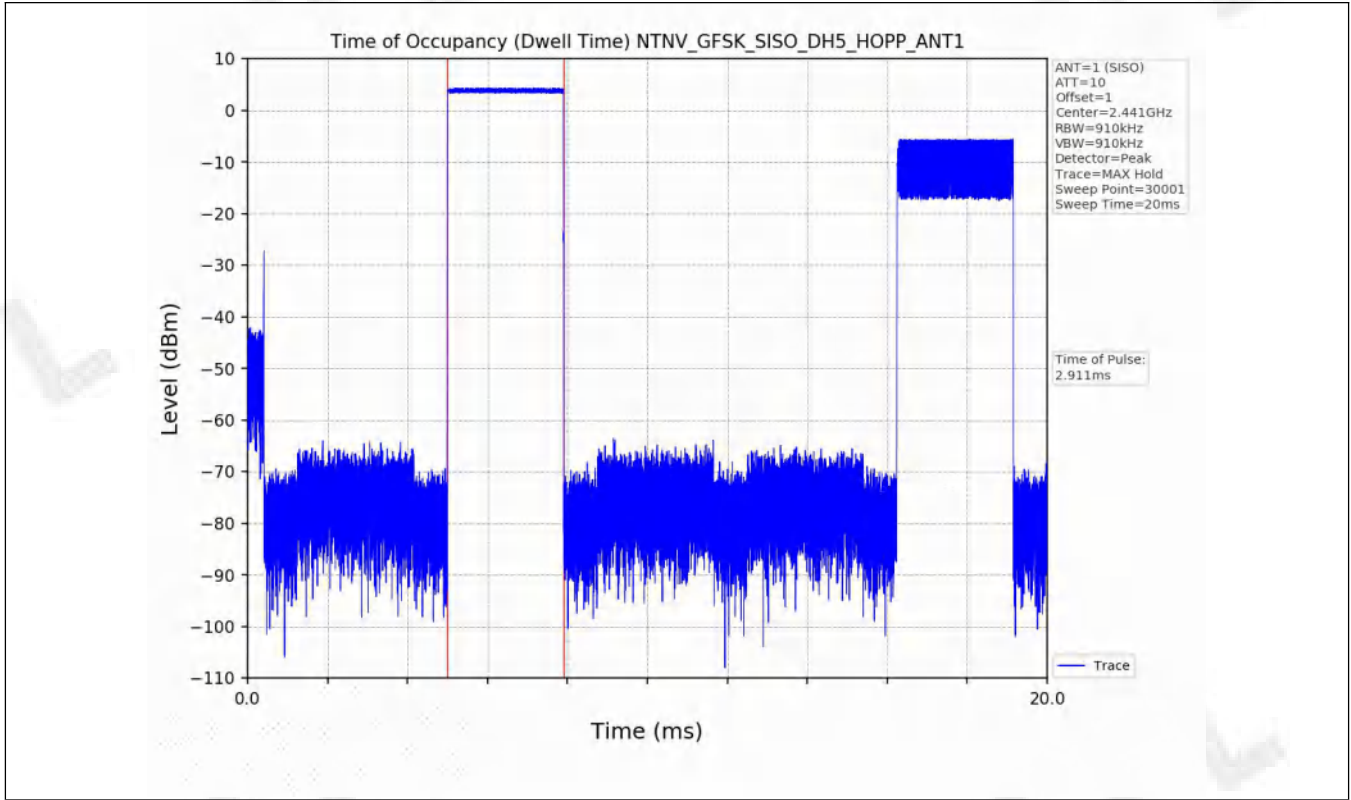
5.1 Test Result

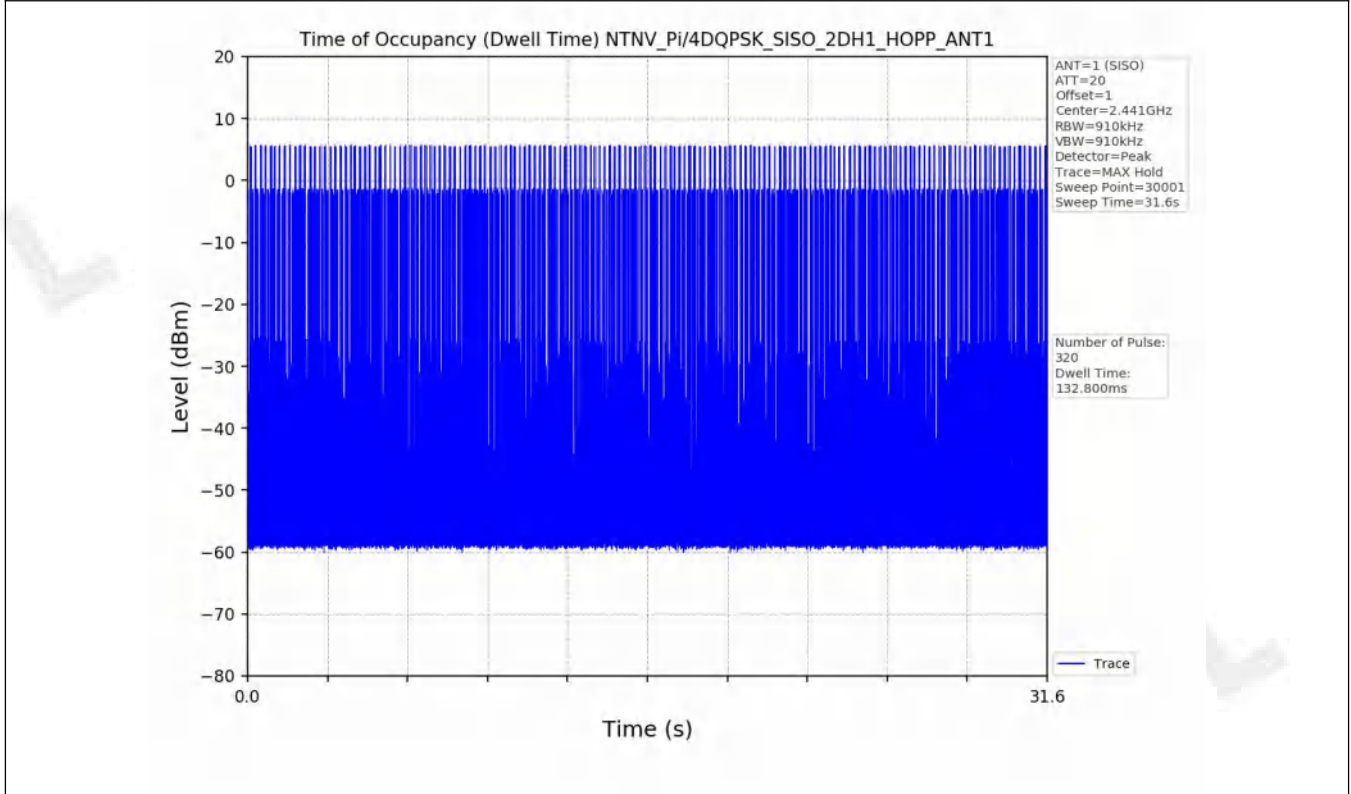
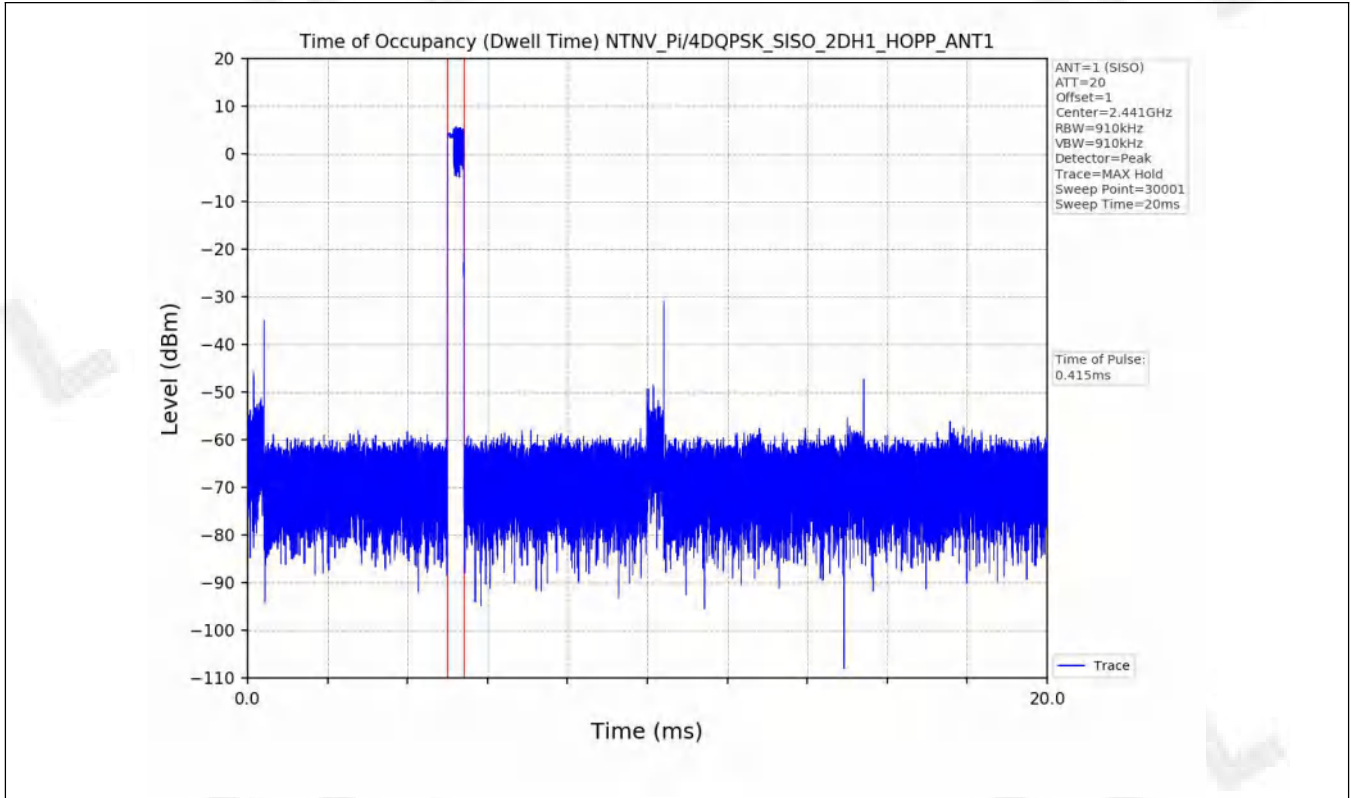
Test Mode	Packet Type	TX Type	ANT No.	Duration of Single Pulse (ms)	Observation Period (s)	Num of Pulse in Observation Period	Dwell Time (ms)	Limits (ms)	Verdict
GFSK	DH1	SISO	1	0.408	31.6	319	130.152	≤400	PASS
	DH3	SISO	1	1.663	31.6	167	277.721	≤400	PASS
	DH5	SISO	1	2.911	31.6	114	331.854	≤400	PASS
Pi/4DQPSK	2DH1	SISO	1	0.415	31.6	320	132.800	≤400	PASS
	2DH3	SISO	1	1.668	31.6	162	270.216	≤400	PASS
	2DH5	SISO	1	2.916	31.6	108	314.928	≤400	PASS
8DPSK	3DH1	SISO	1	0.416	31.6	320	133.120	≤400	PASS
	3DH3	SISO	1	1.667	31.6	164	273.388	≤400	PASS
	3DH5	SISO	1	2.921	31.6	105	306.705	≤400	PASS

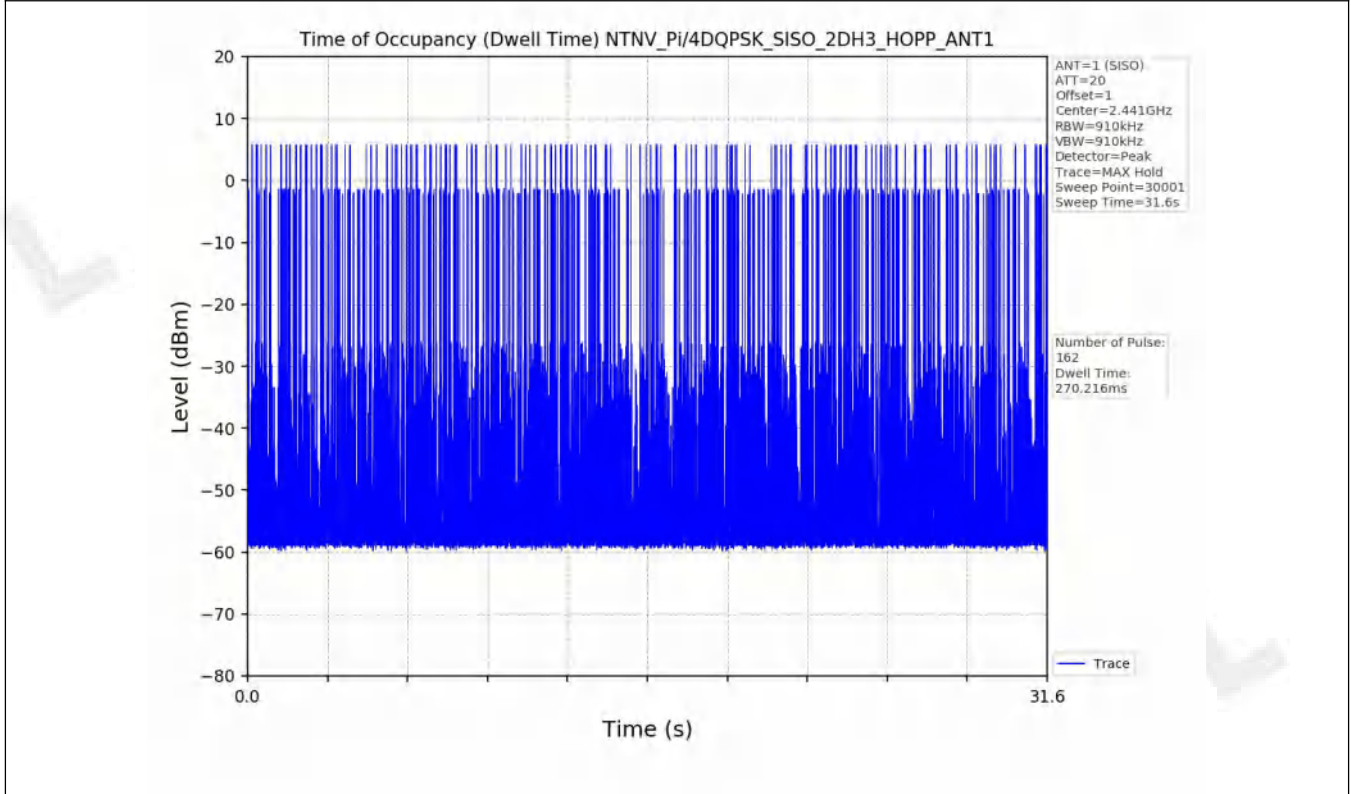
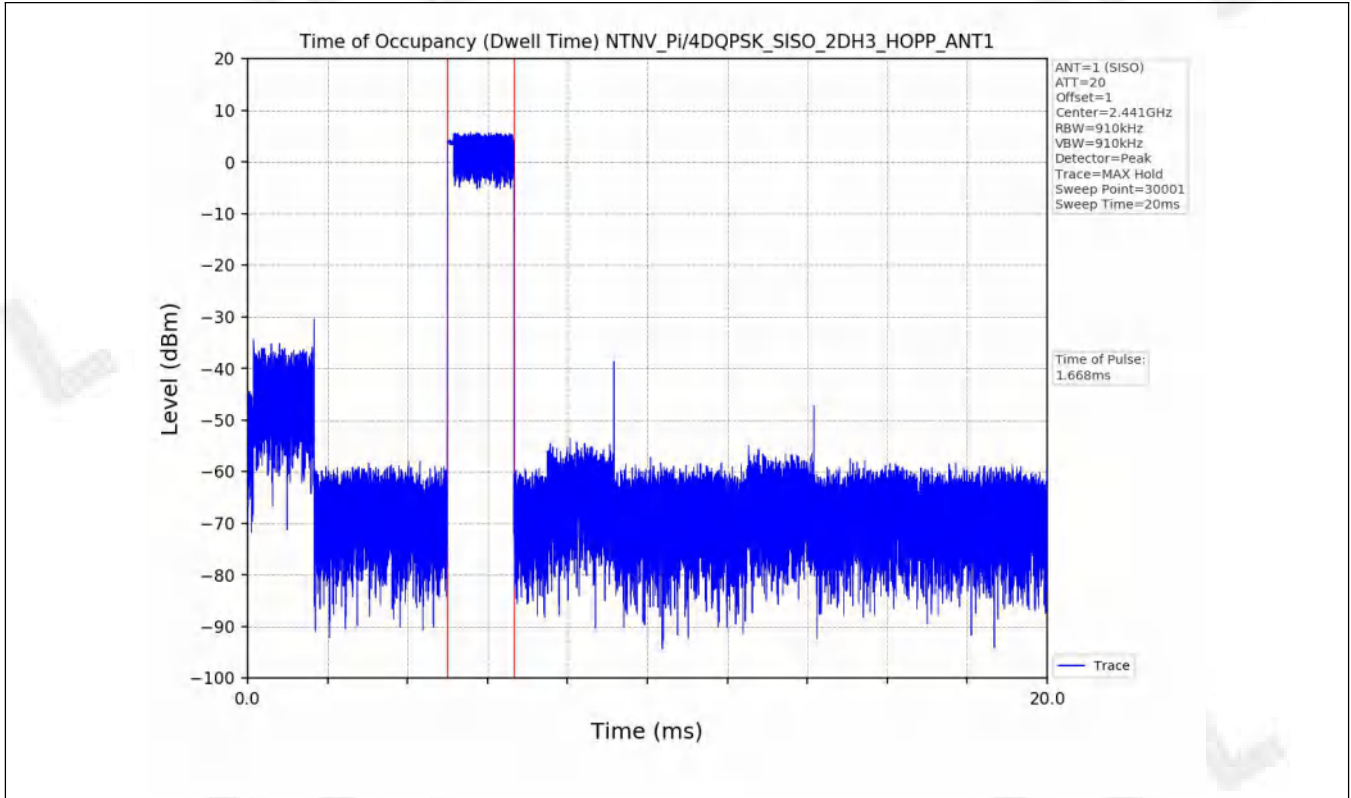
5.2 Test Graph

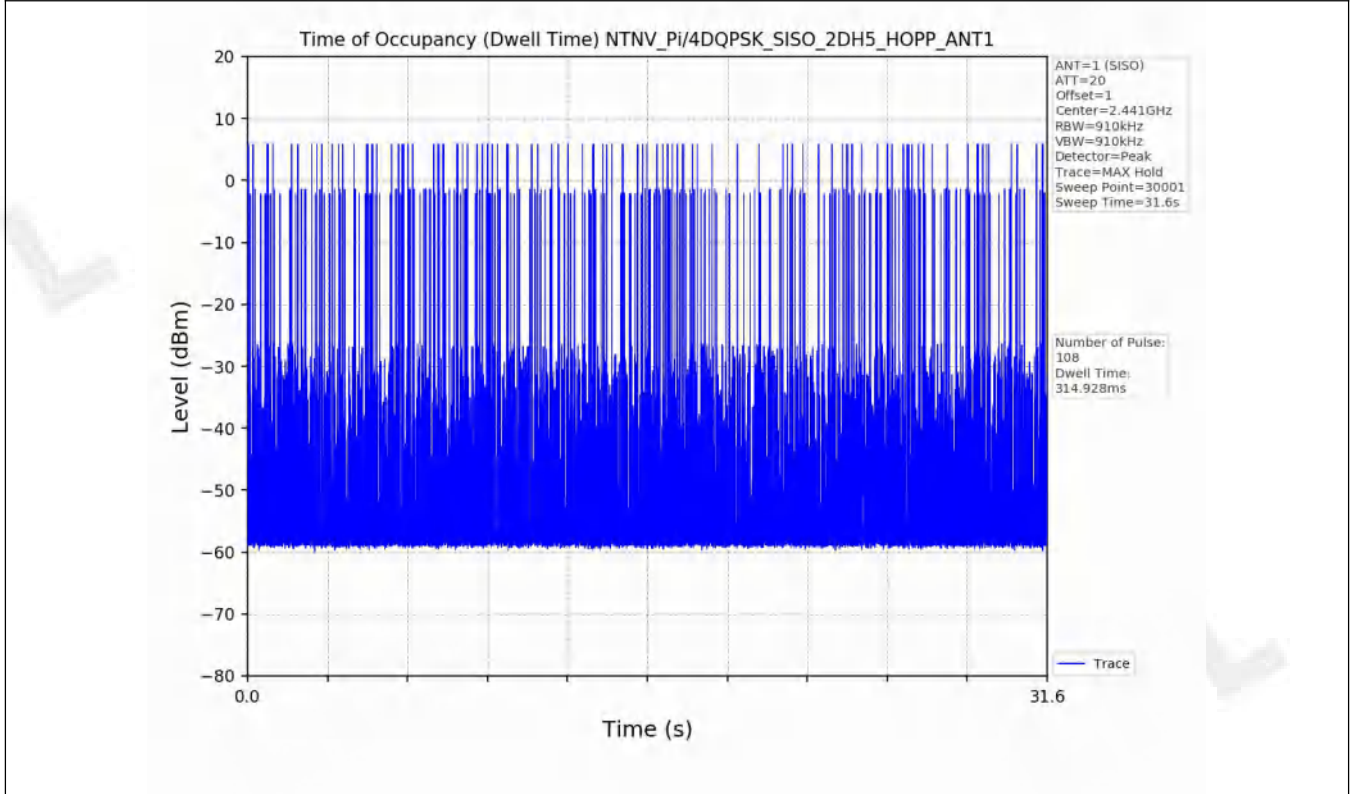
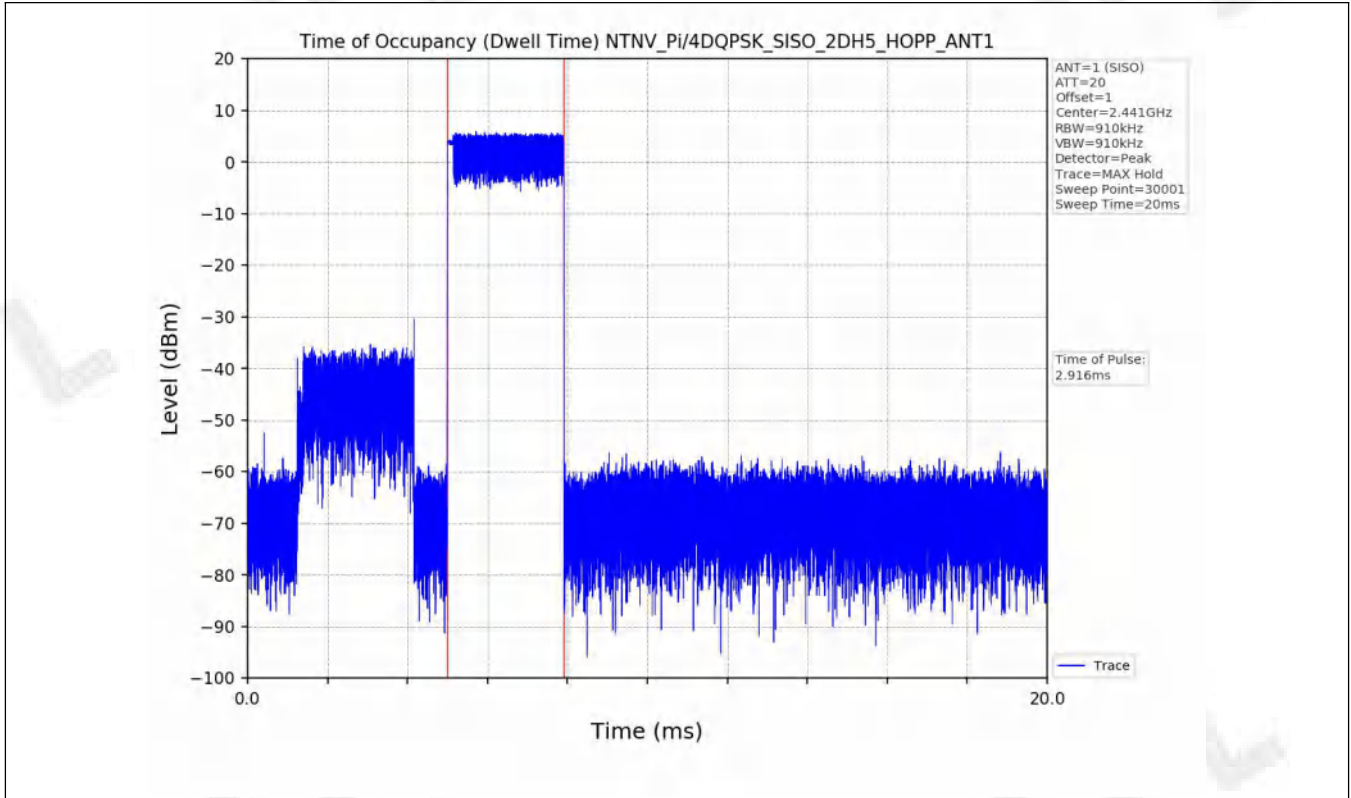


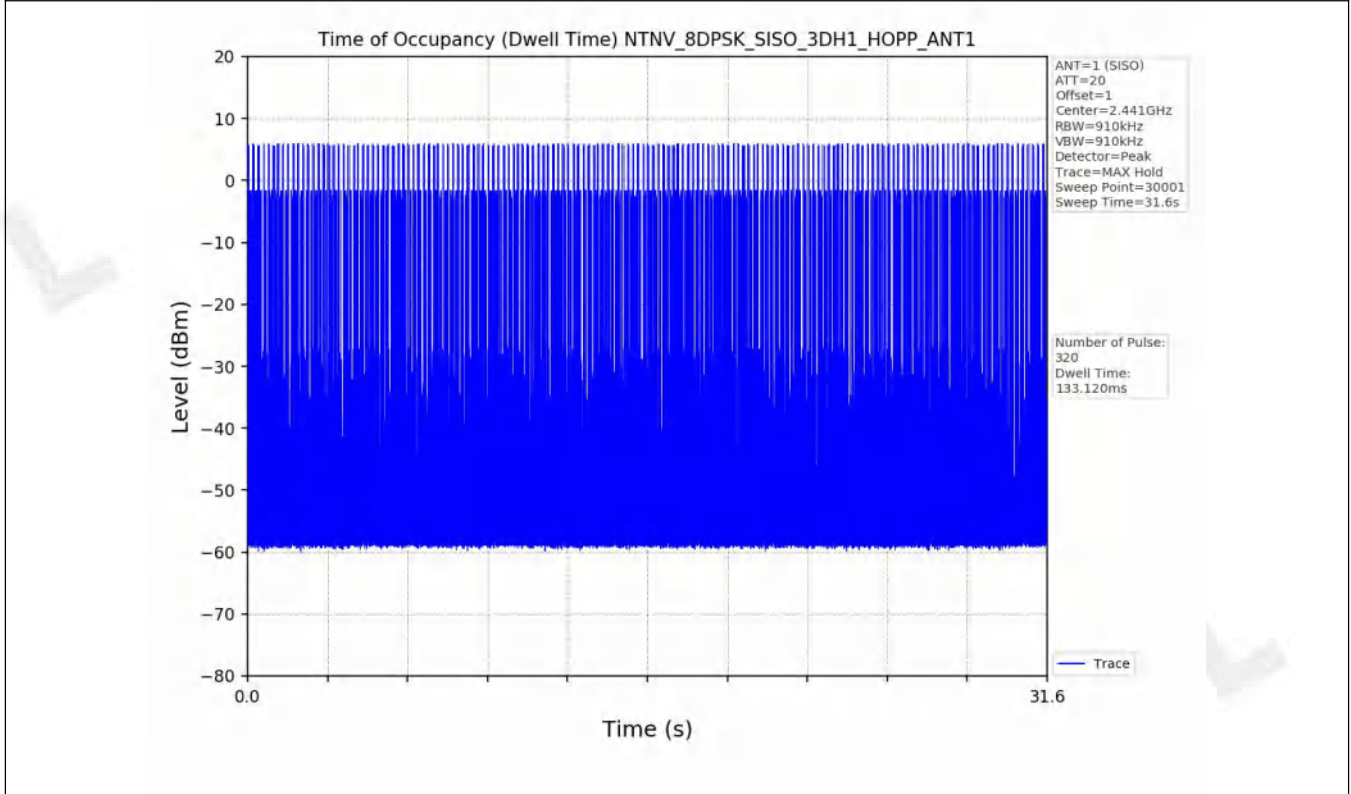
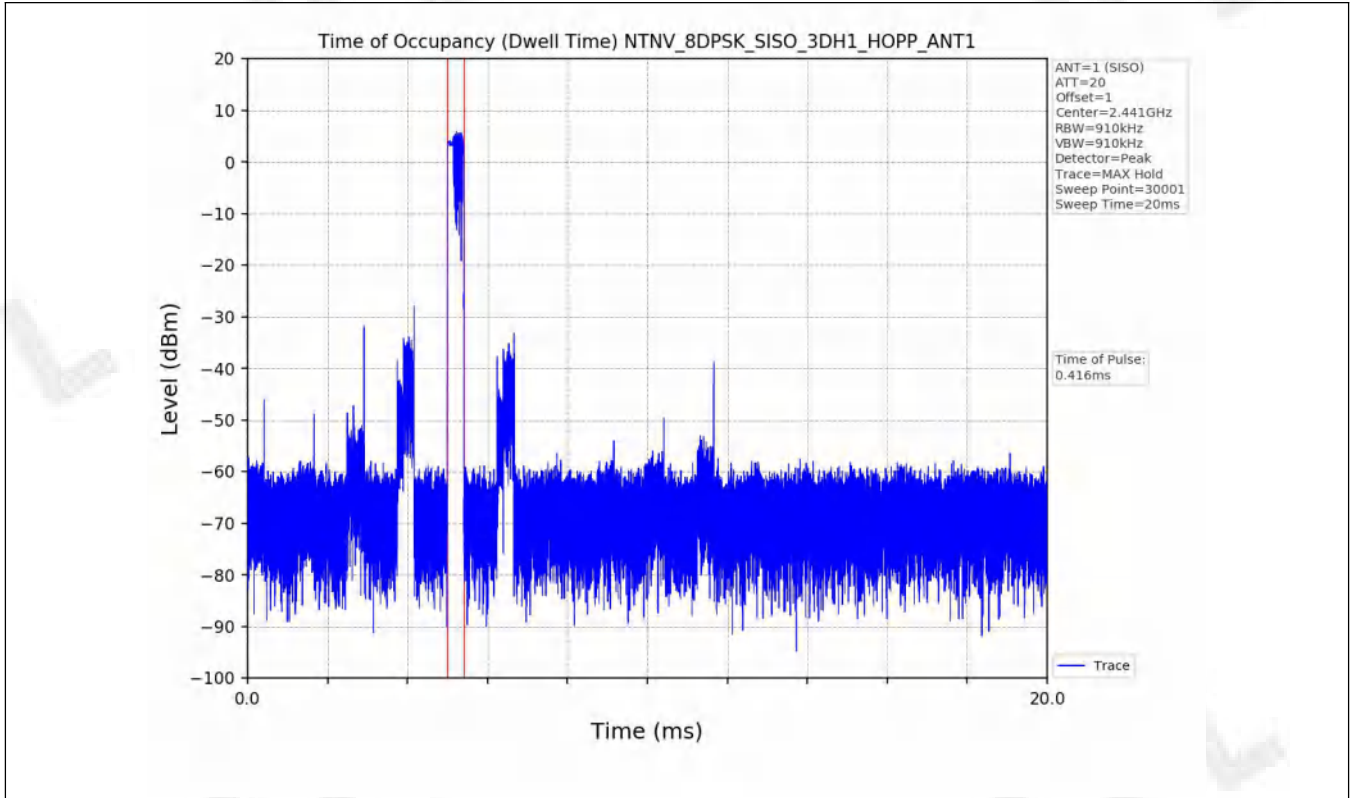


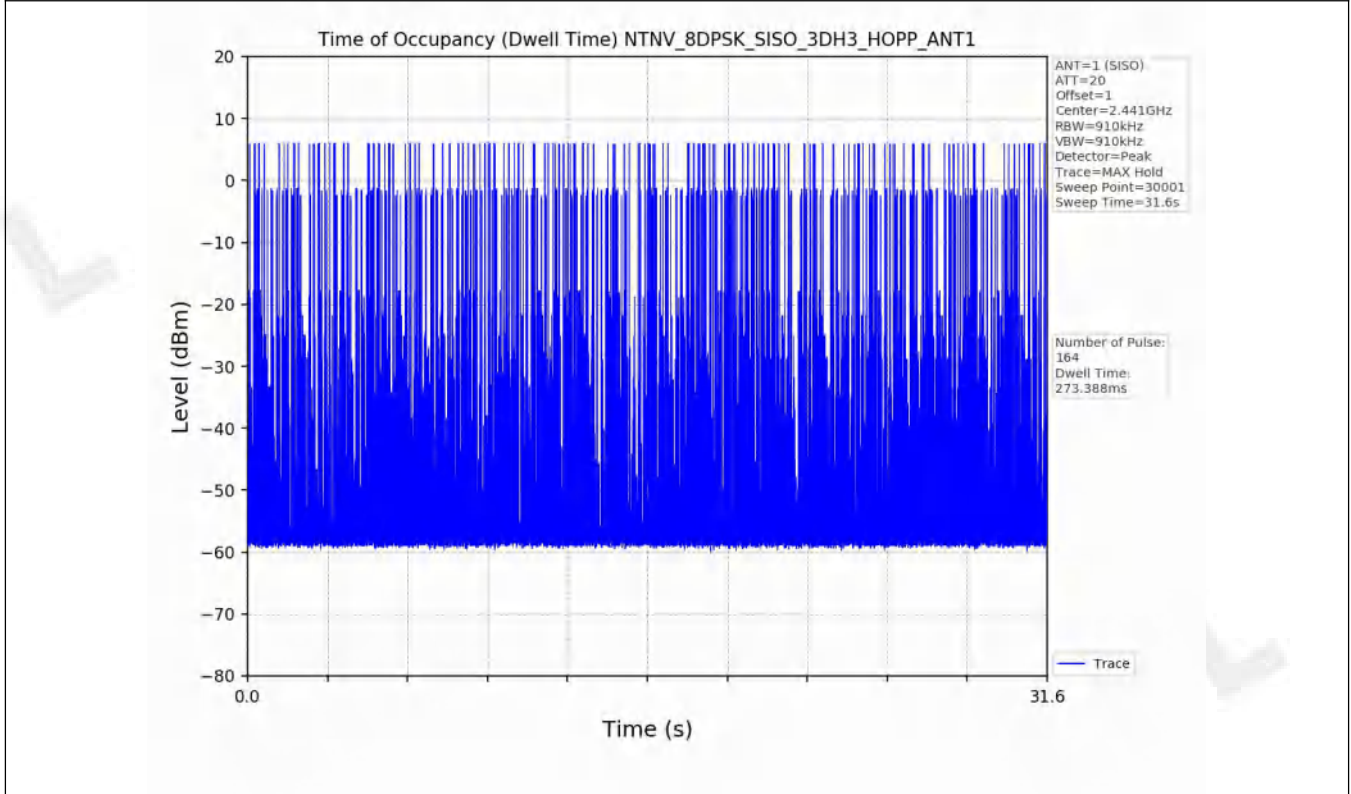
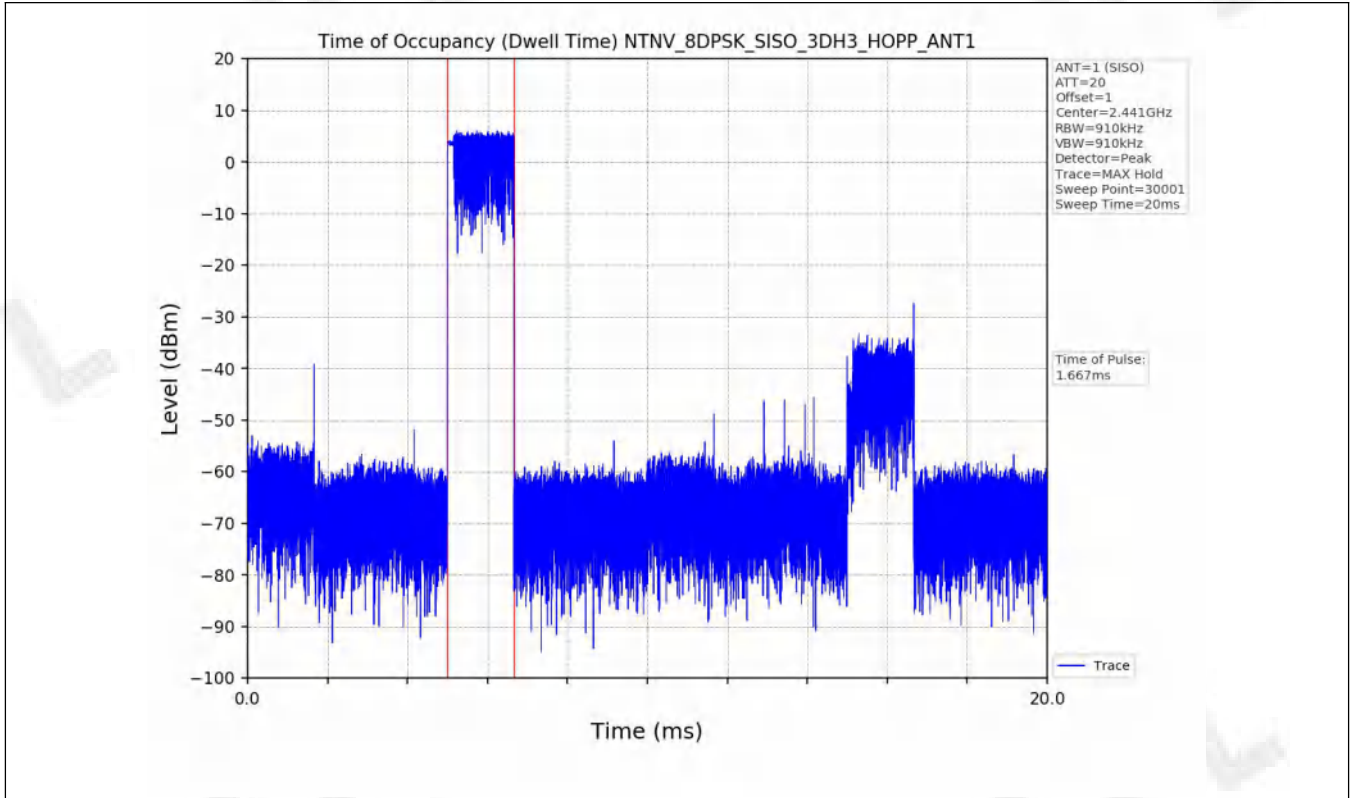


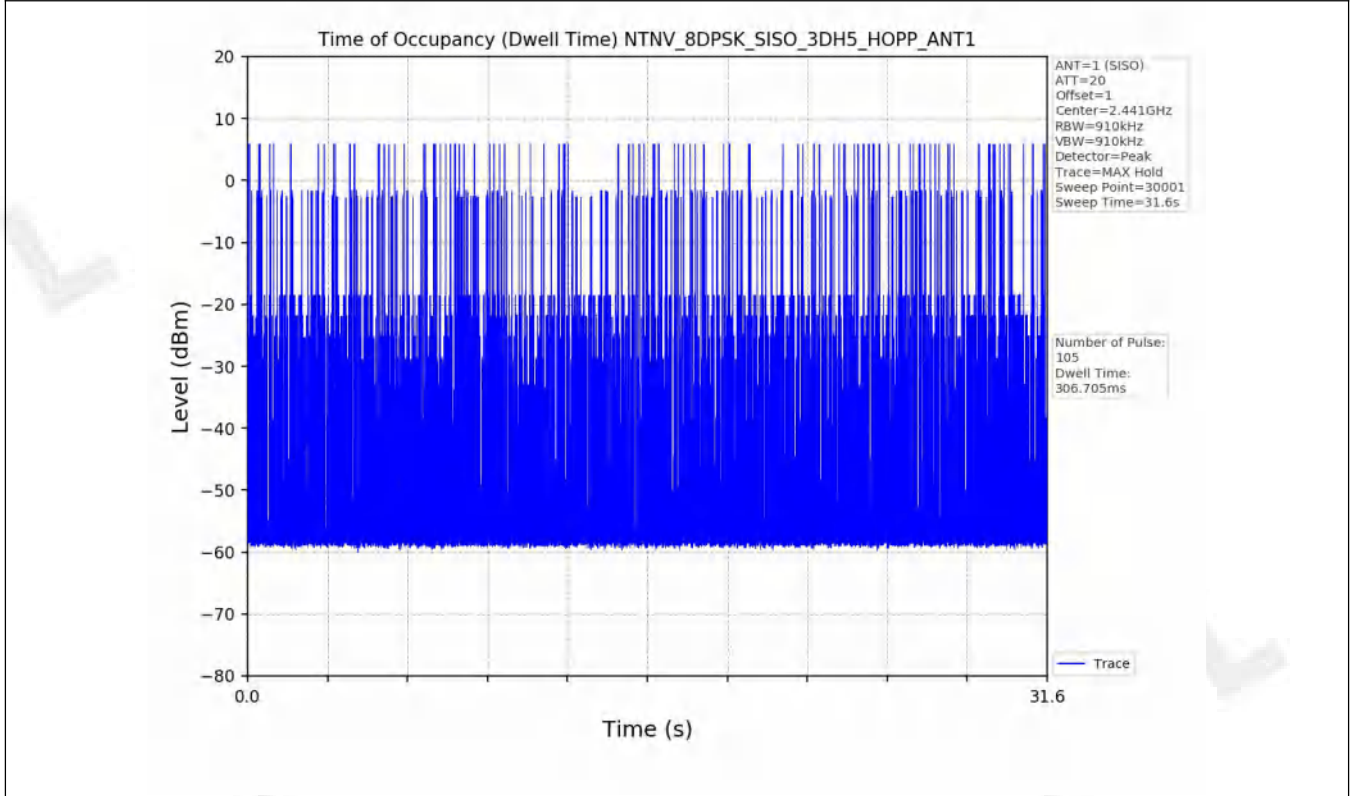
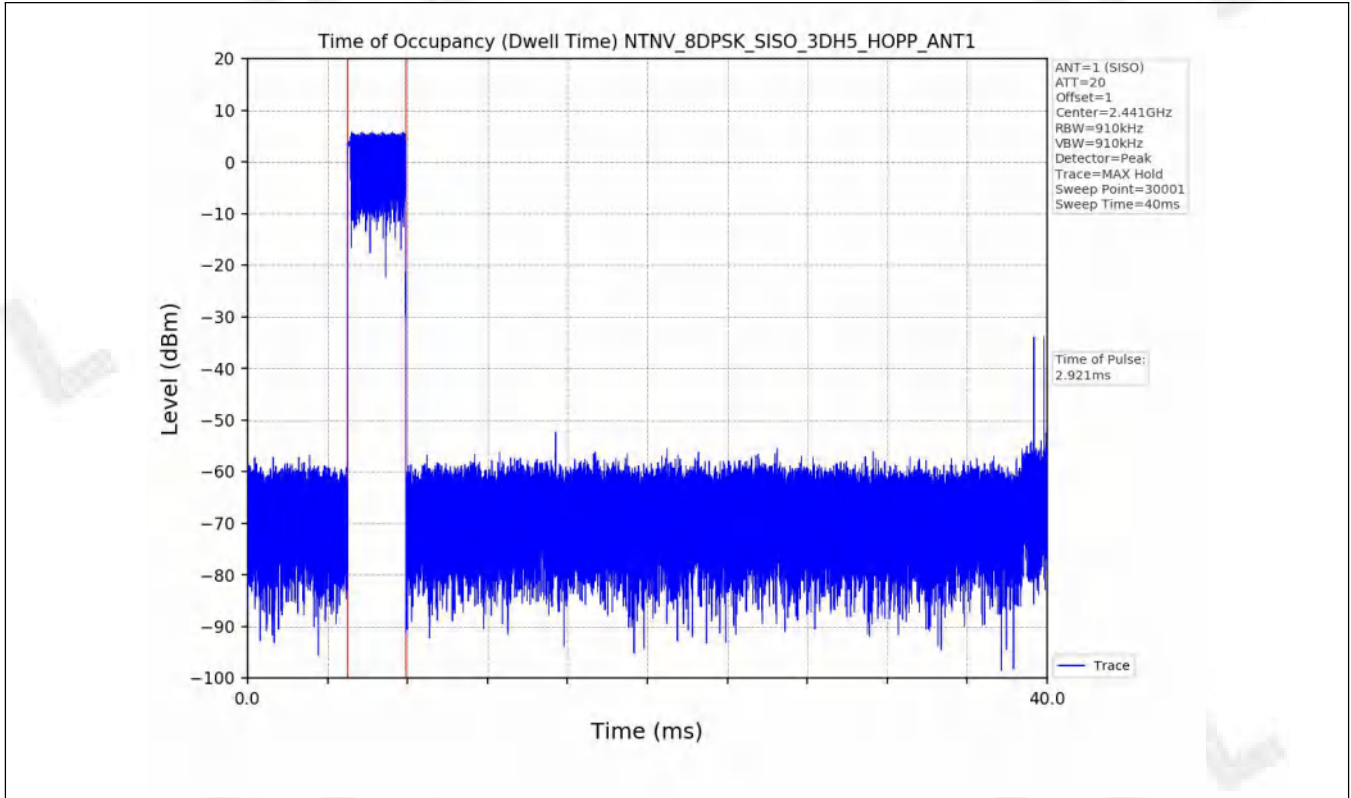












6. Unwanted Emissions in Non-restricted Frequency Bands

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	-16.08	PASS
	2441	SISO	1	Refer to test graph	-16.08	PASS
	2480	SISO	1	Refer to test graph	-16.08	PASS
	Hopping	SISO	1	Refer to test graph	-16.08	PASS
Pi/4DQPSK	2402	SISO	1	Refer to test graph	-16.11	PASS
	2441	SISO	1	Refer to test graph	-16.11	PASS
	2480	SISO	1	Refer to test graph	-16.11	PASS
	Hopping	SISO	1	Refer to test graph	-16.11	PASS
8DPSK	2402	SISO	1	Refer to test graph	-16.33	PASS
	2441	SISO	1	Refer to test graph	-16.33	PASS
	2480	SISO	1	Refer to test graph	-16.33	PASS
	Hopping	SISO	1	Refer to test graph	-16.33	PASS

6.2 Test Graph

