

Appendix for 15.247

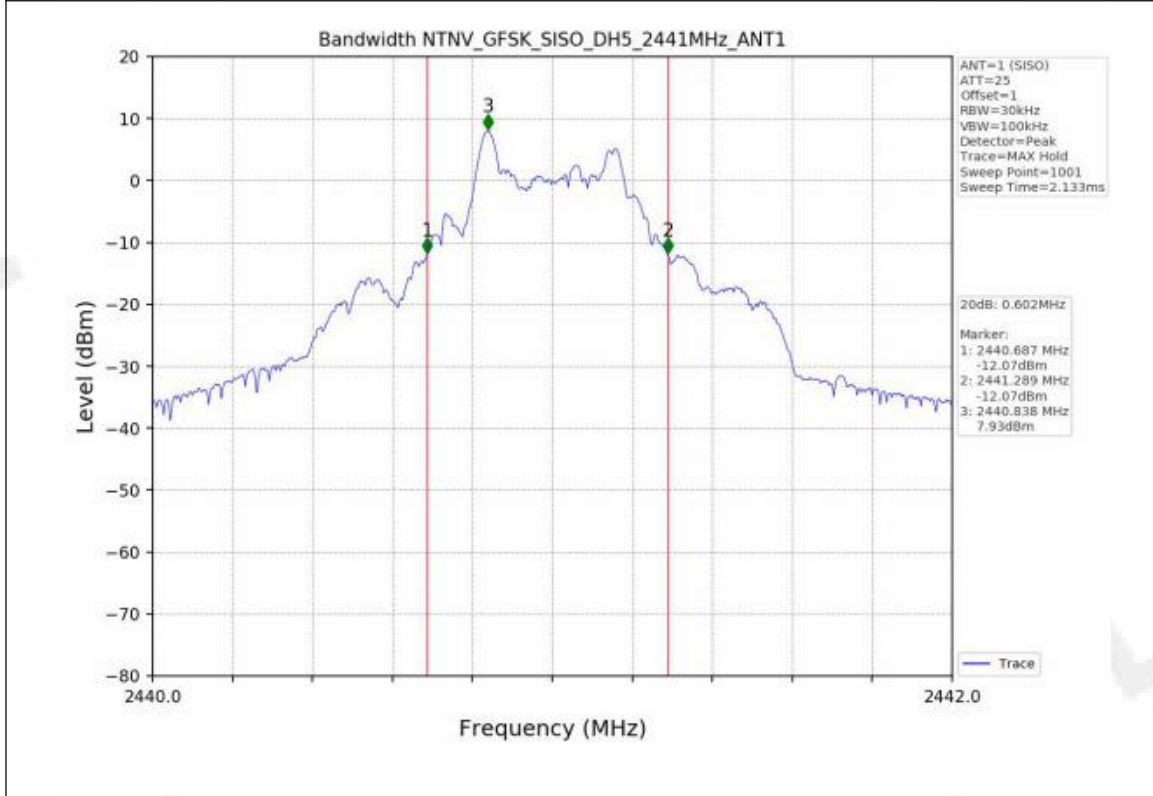
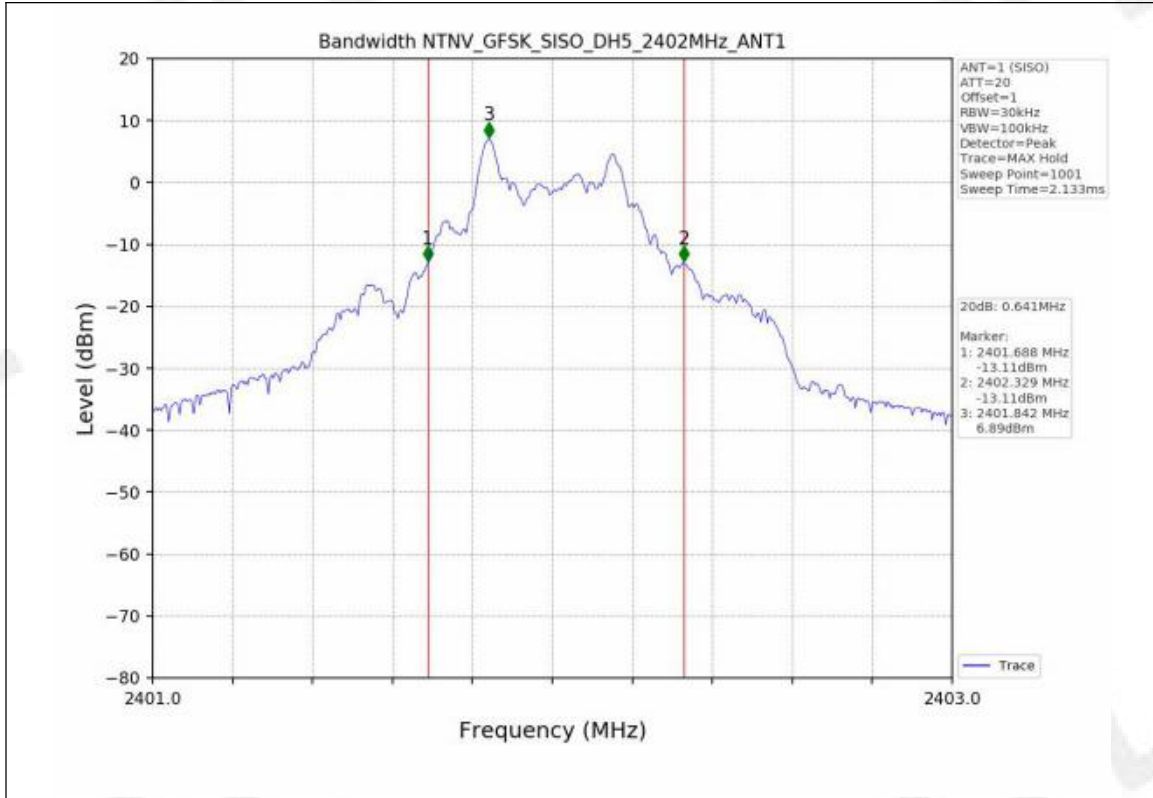
1. Bandwidth

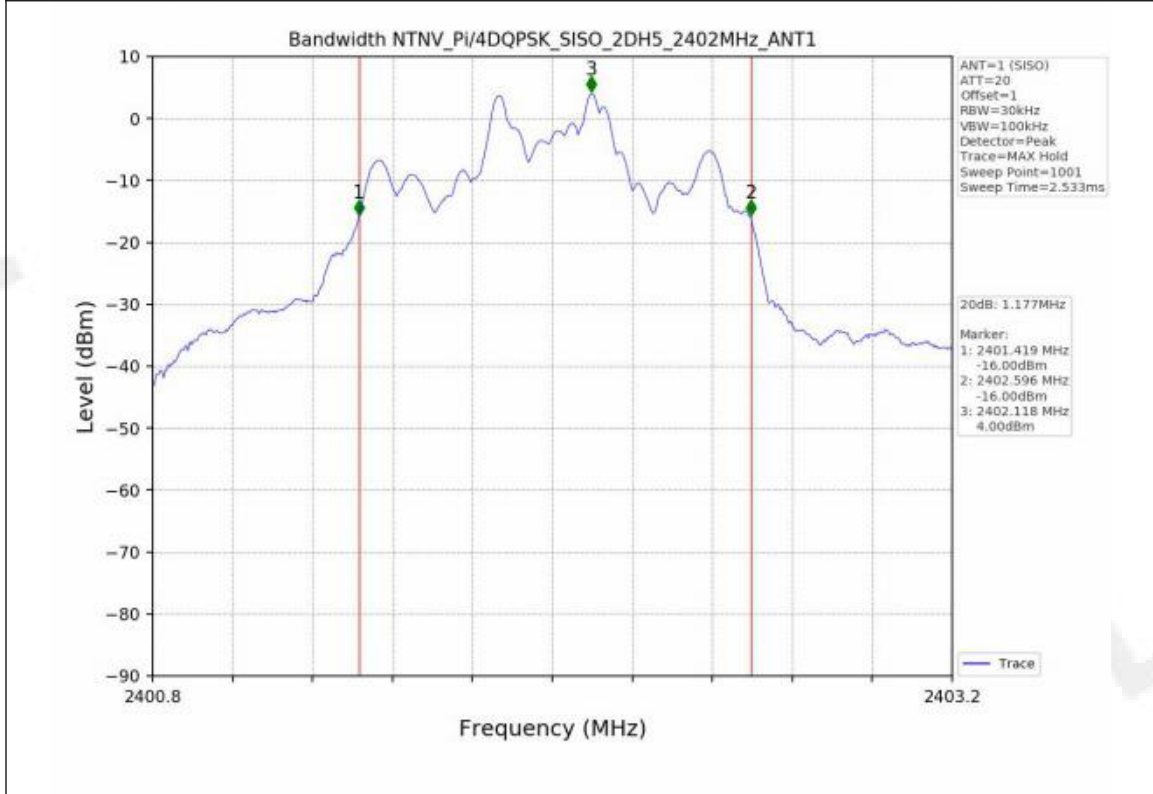
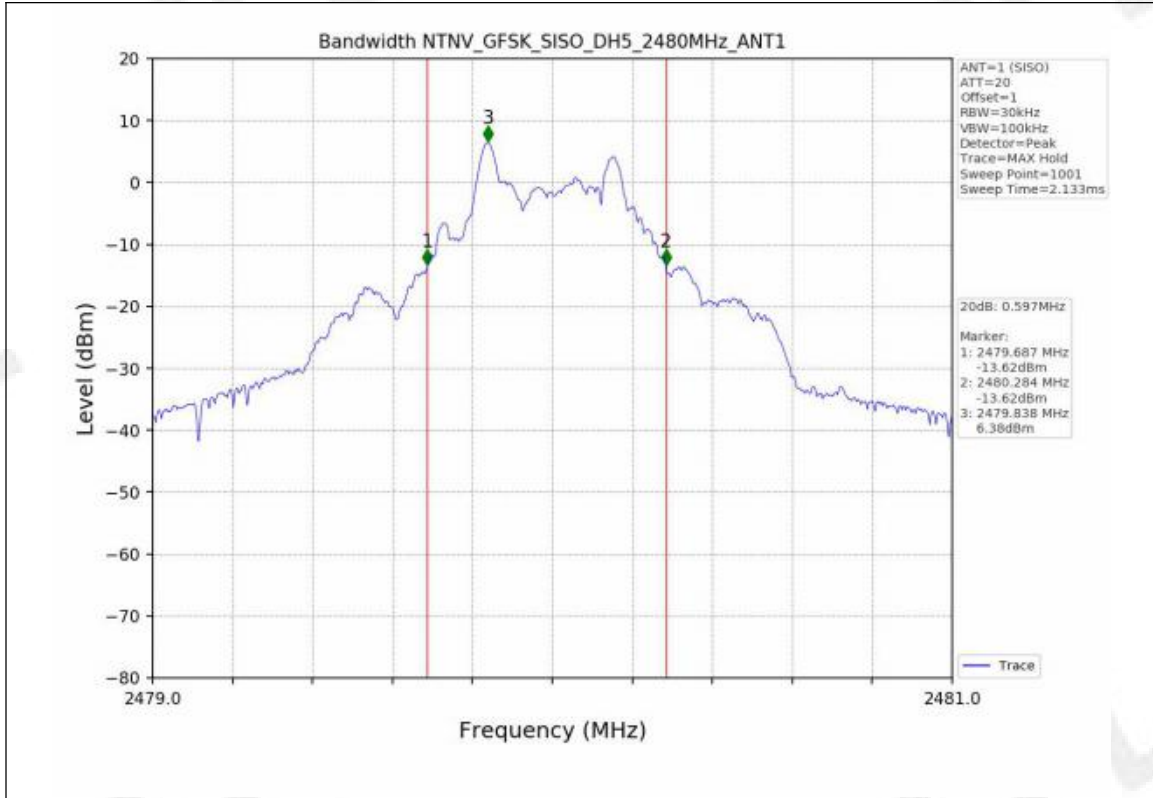
1.1 Test Result

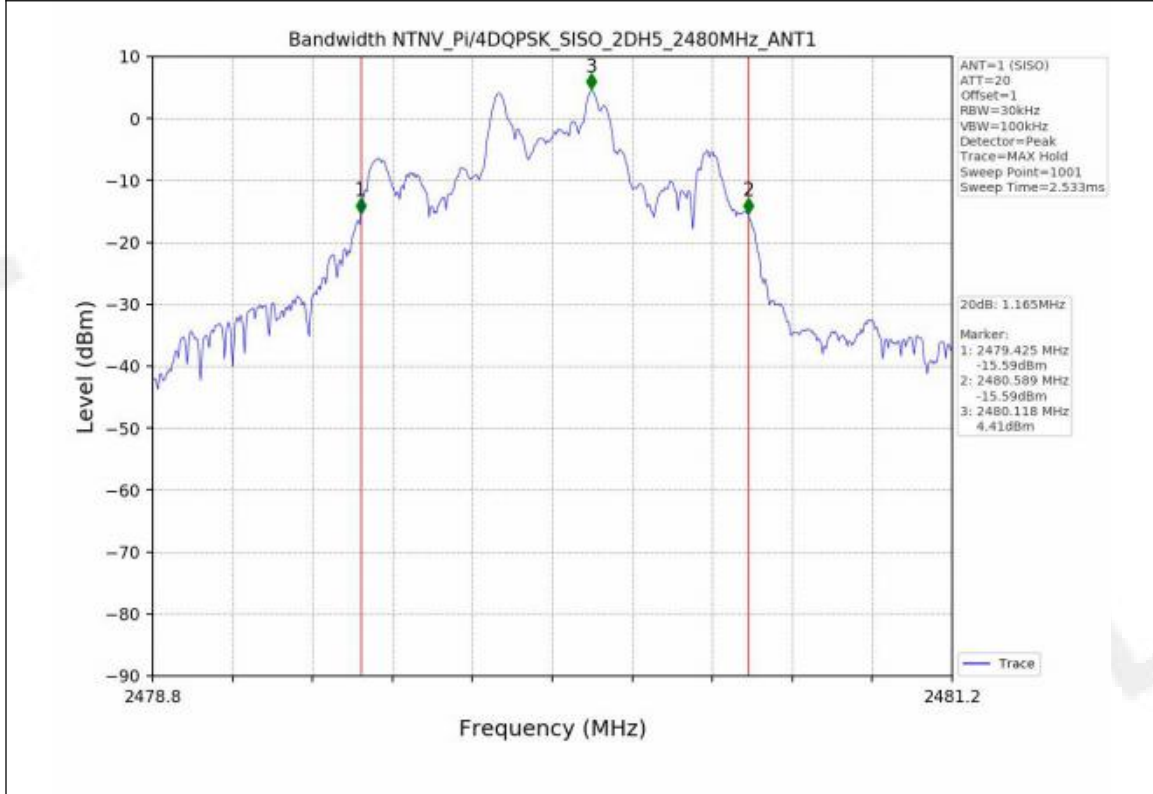
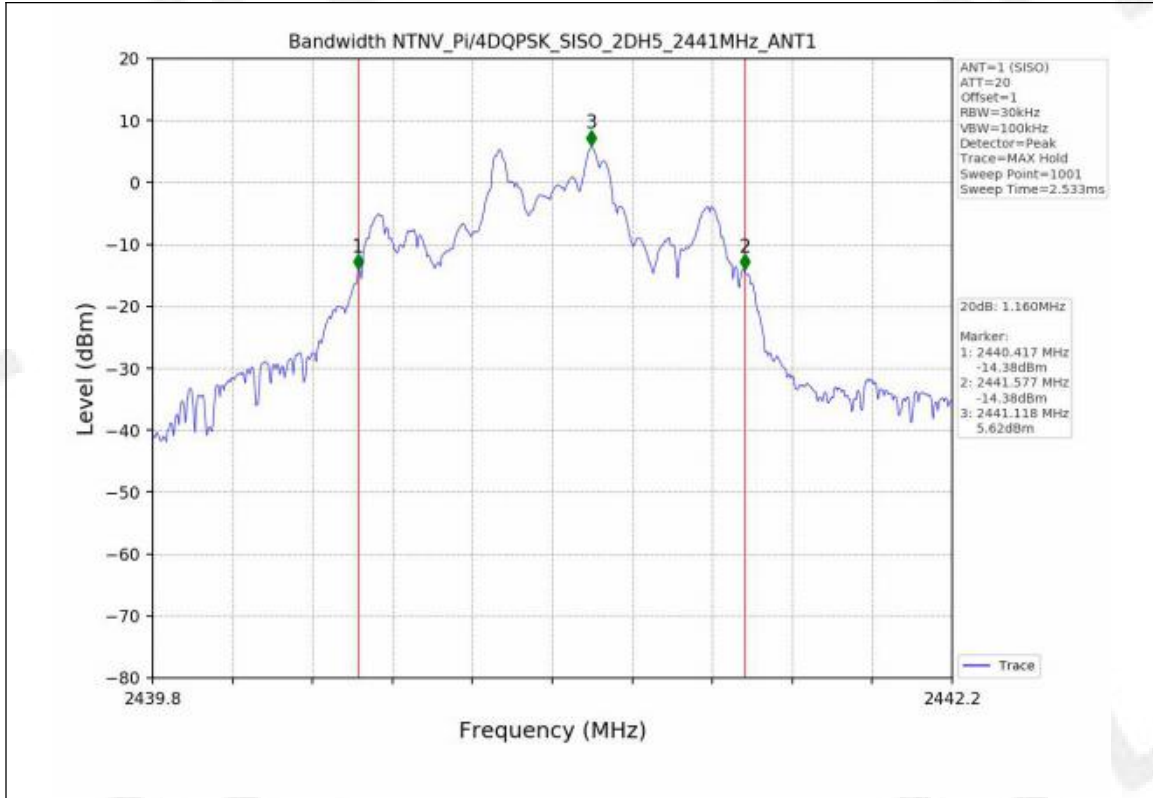
Test Mode	Frequency (MHz)	TX Type	ANT No.	20dB Bandwidth	Verdict
				Test Result (MHz)	
GFSK	2402	SISO	1	0.641	PASS
	2441	SISO	1	0.602	PASS
	2480	SISO	1	0.597	PASS
Pi/4DQPSK	2402	SISO	1	1.177	PASS
	2441	SISO	1	1.160	PASS
	2480	SISO	1	1.165	PASS
8DPSK	2402	SISO	1	1.161	PASS
	2441	SISO	1	1.156	PASS
	2480	SISO	1	1.157	PASS

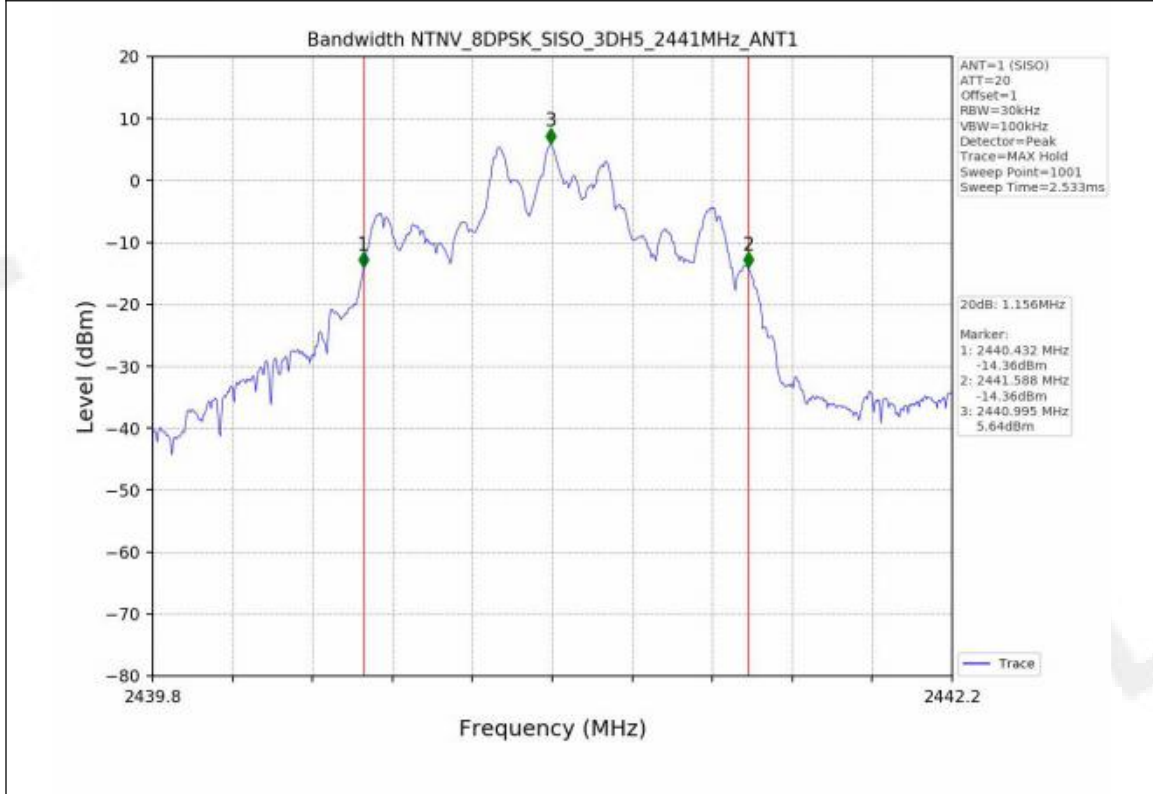
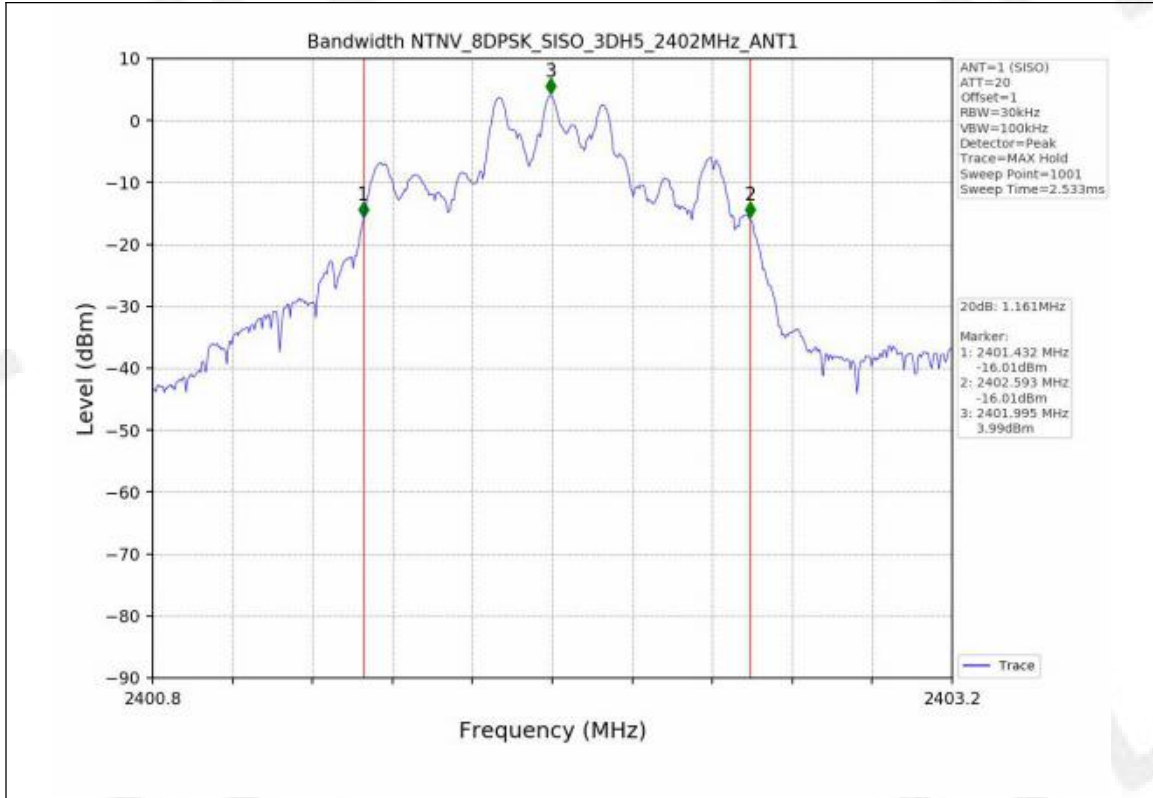
Test Mode	Frequency (MHz)	TX Type	ANT No.	99% Occupied Bandwidth	
				Test Result (MHz)	
GFSK	2402	SISO	1	0.698	Only for Report Use
	2441	SISO	1	0.705	Only for Report Use
	2480	SISO	1	0.691	Only for Report Use
Pi/4DQPSK	2402	SISO	1	1.098	Only for Report Use
	2441	SISO	1	1.098	Only for Report Use
	2480	SISO	1	1.089	Only for Report Use
8DPSK	2402	SISO	1	1.080	Only for Report Use
	2441	SISO	1	1.077	Only for Report Use
	2480	SISO	1	1.072	Only for Report Use

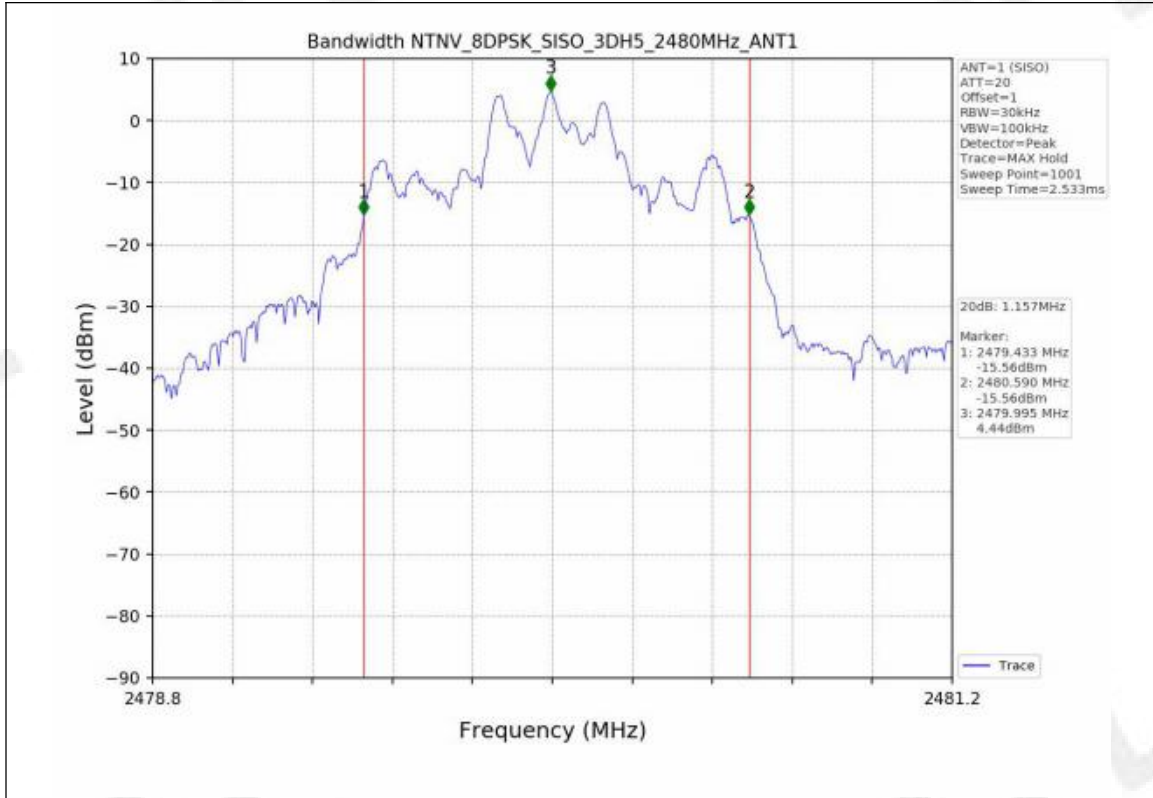
1.2 Test Graph - 20dB Bandwidth



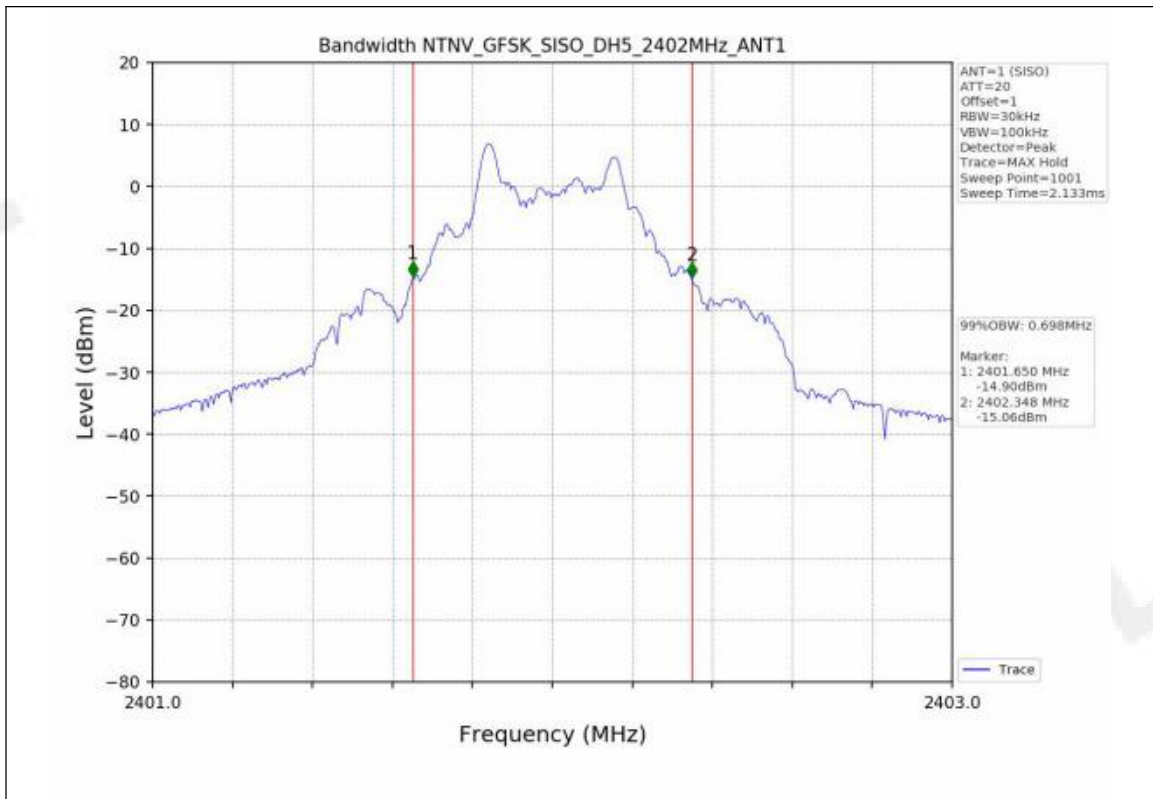


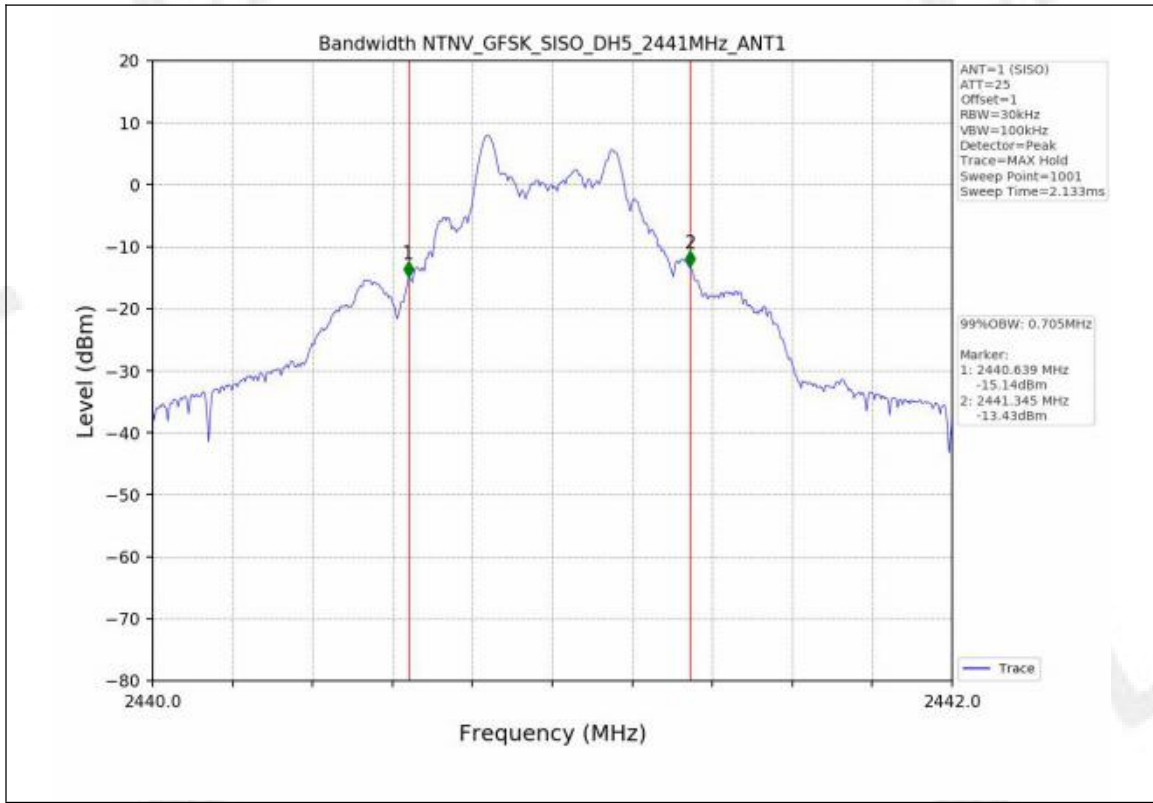


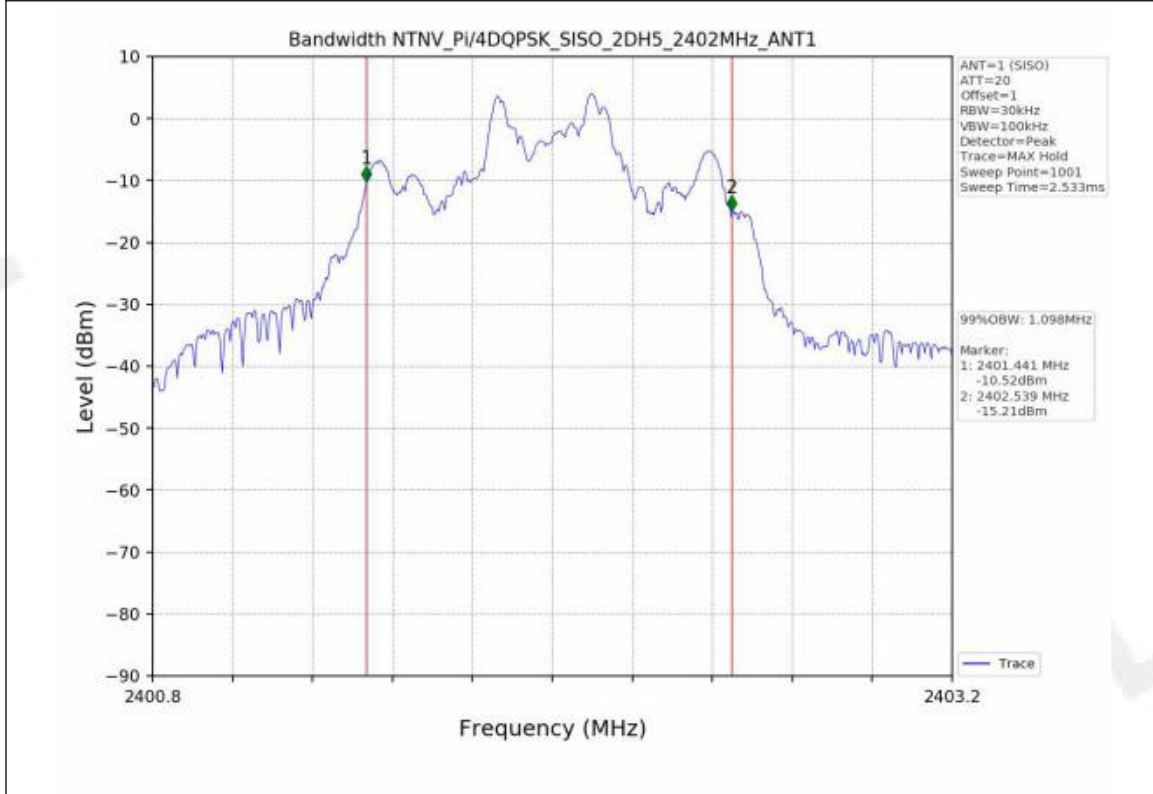
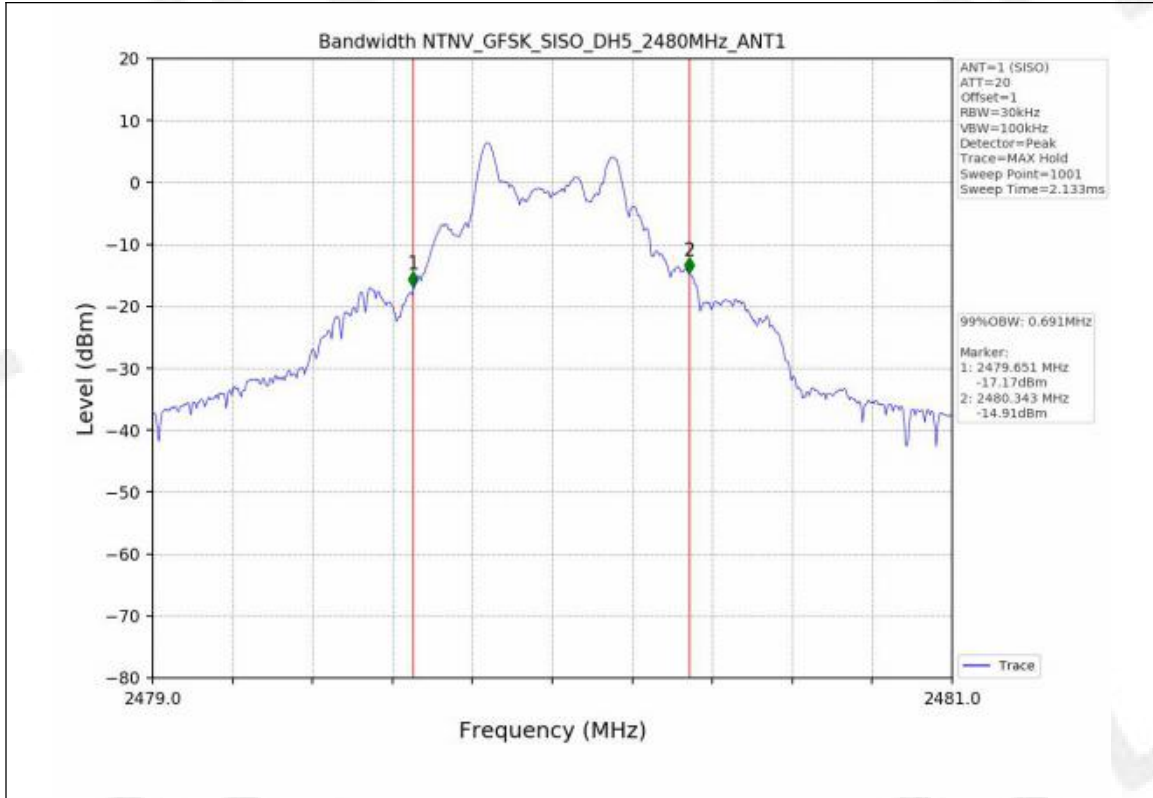


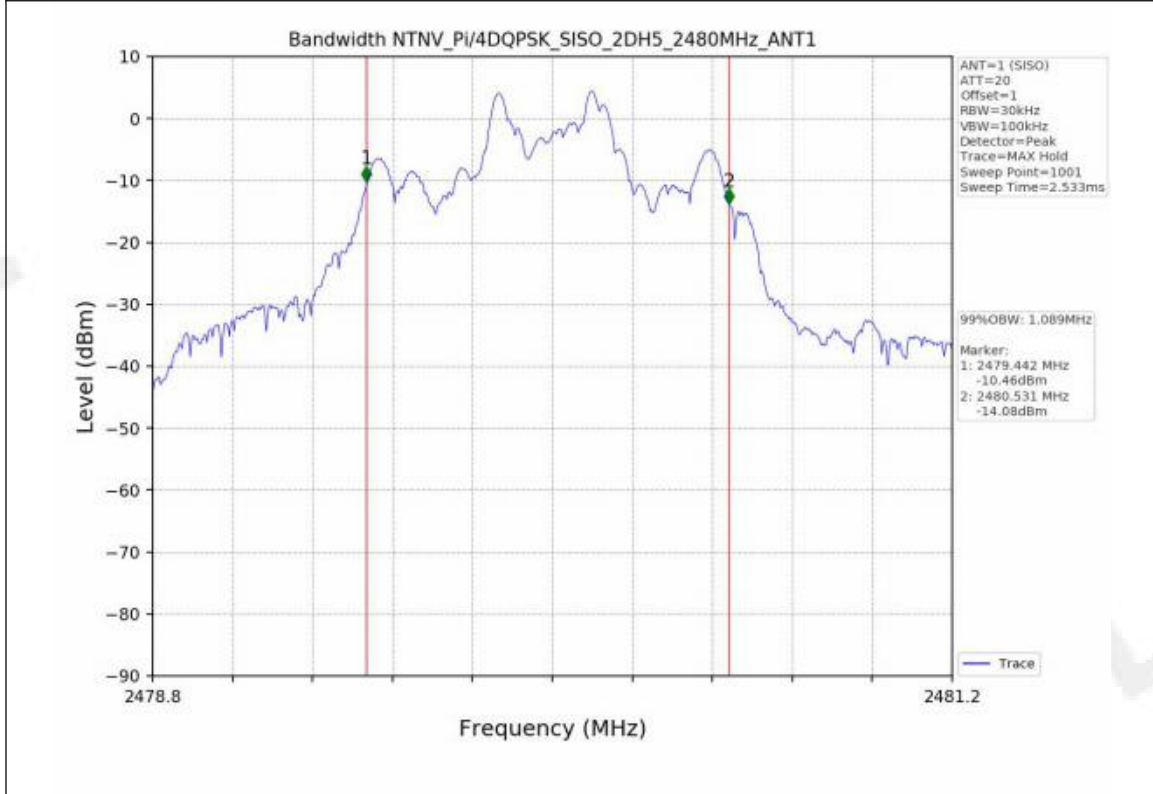
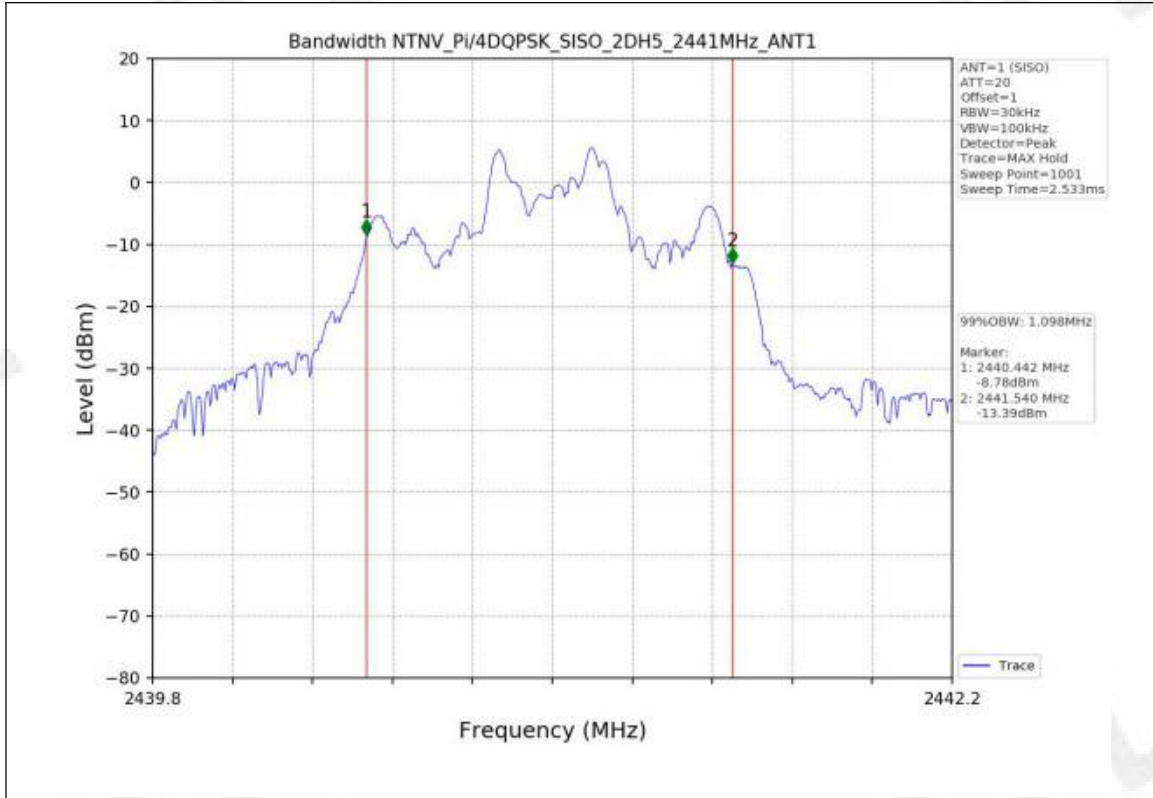


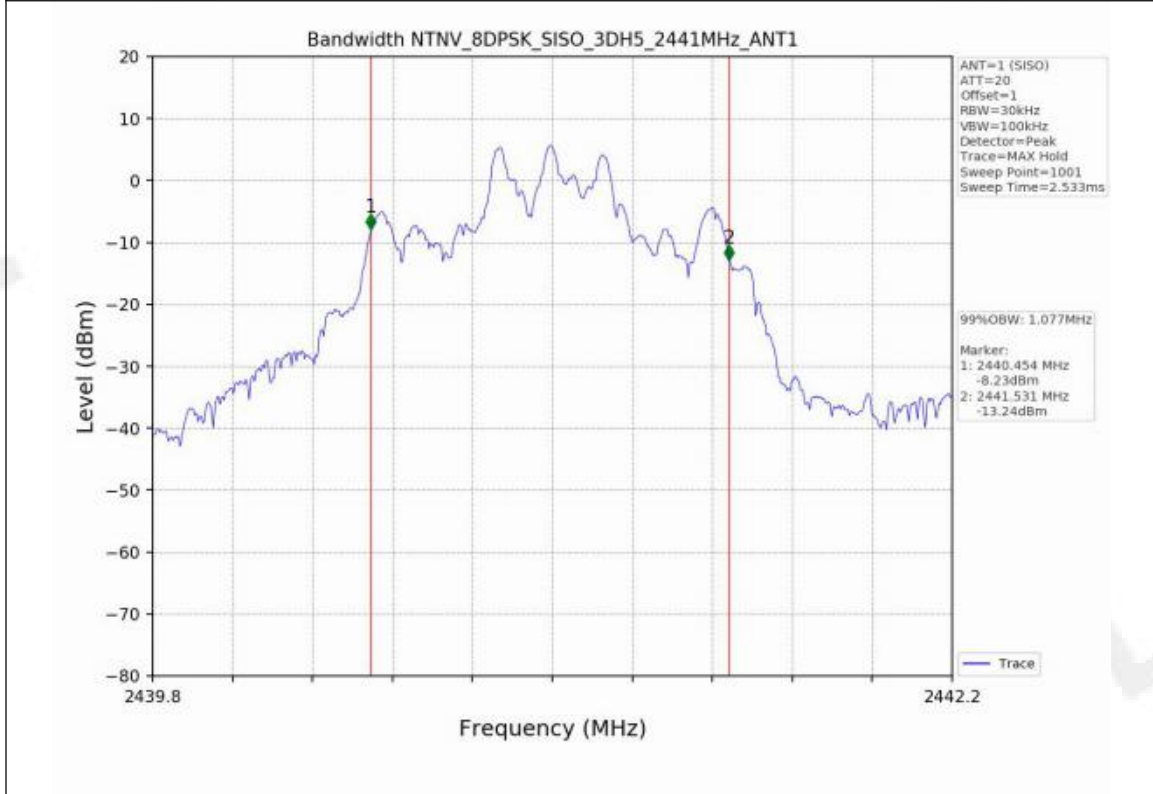
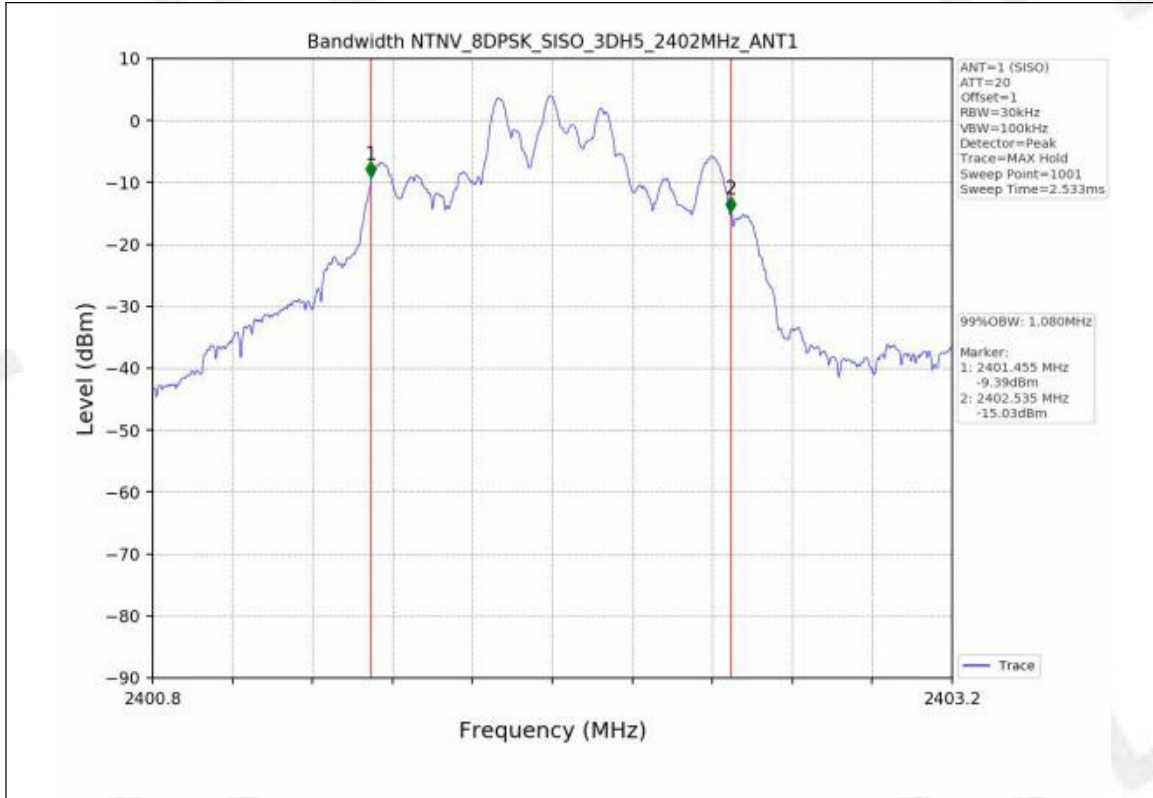
1.3 Test Graph - 99% Occupied Bandwidth

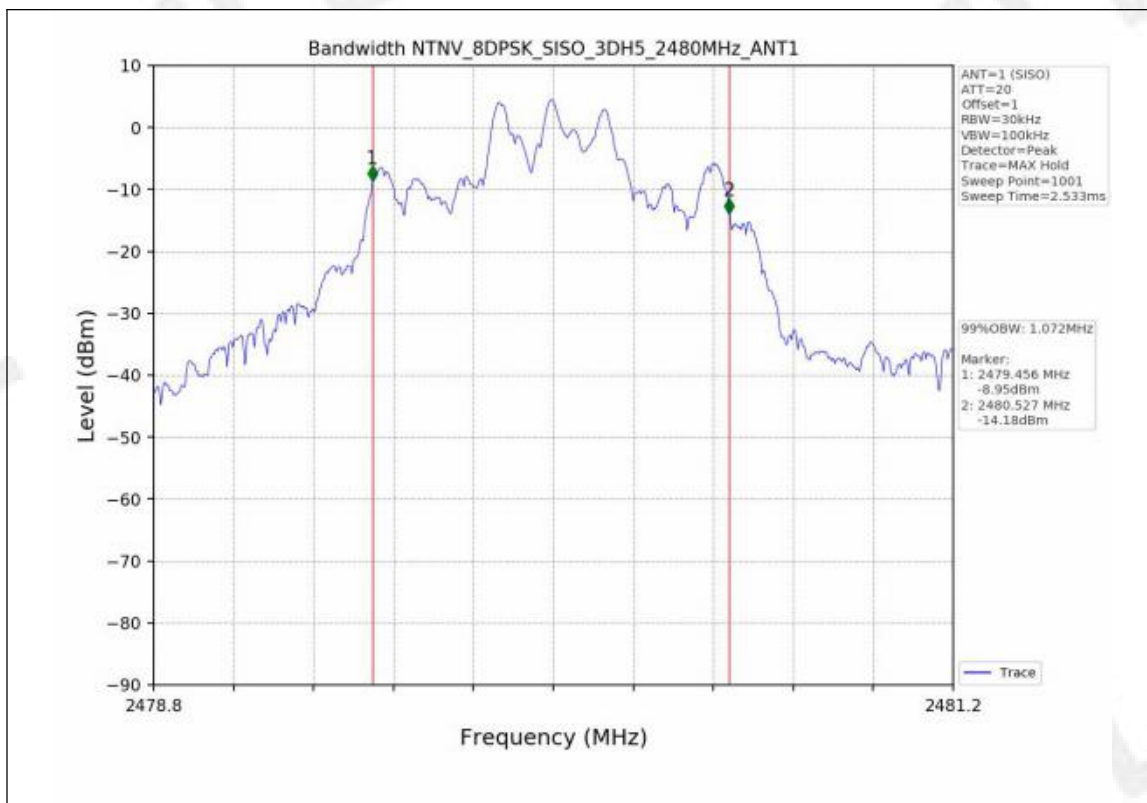










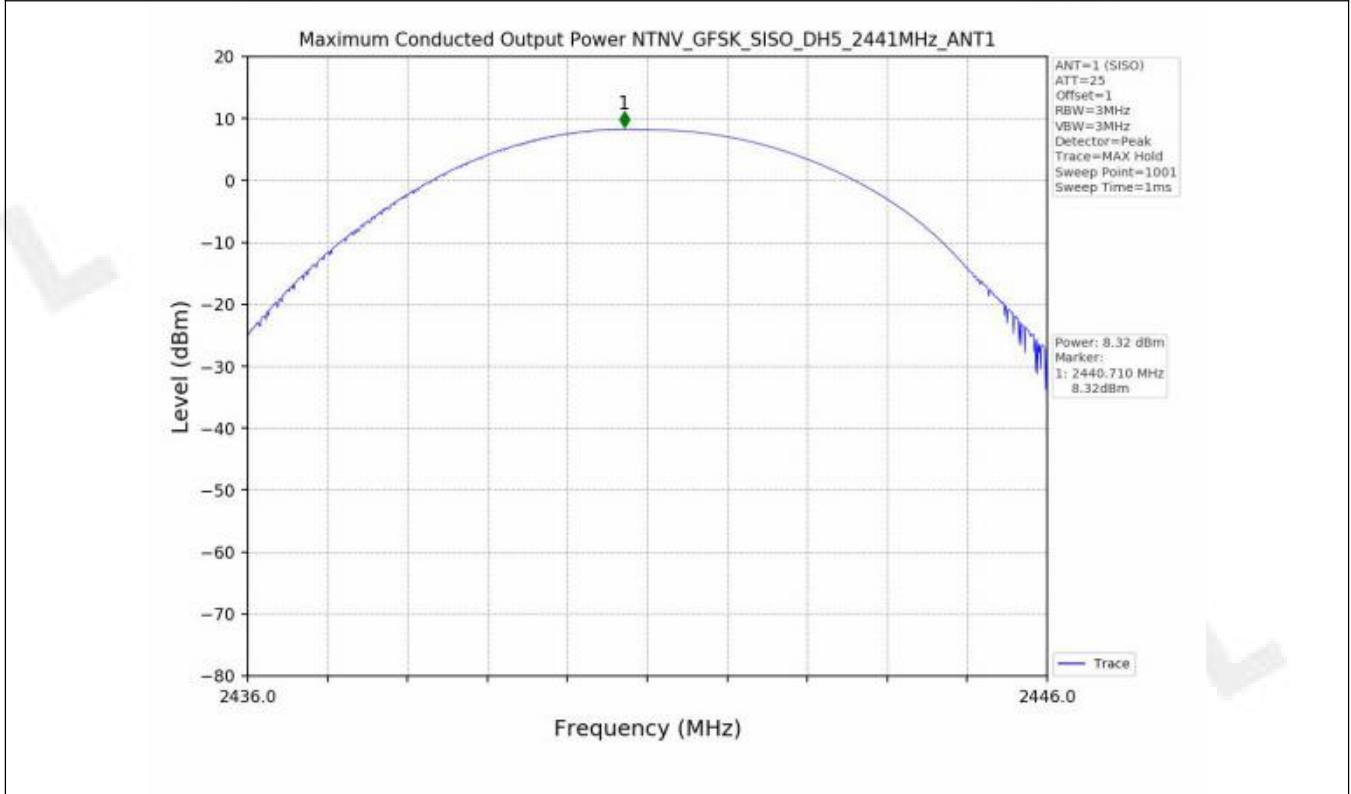
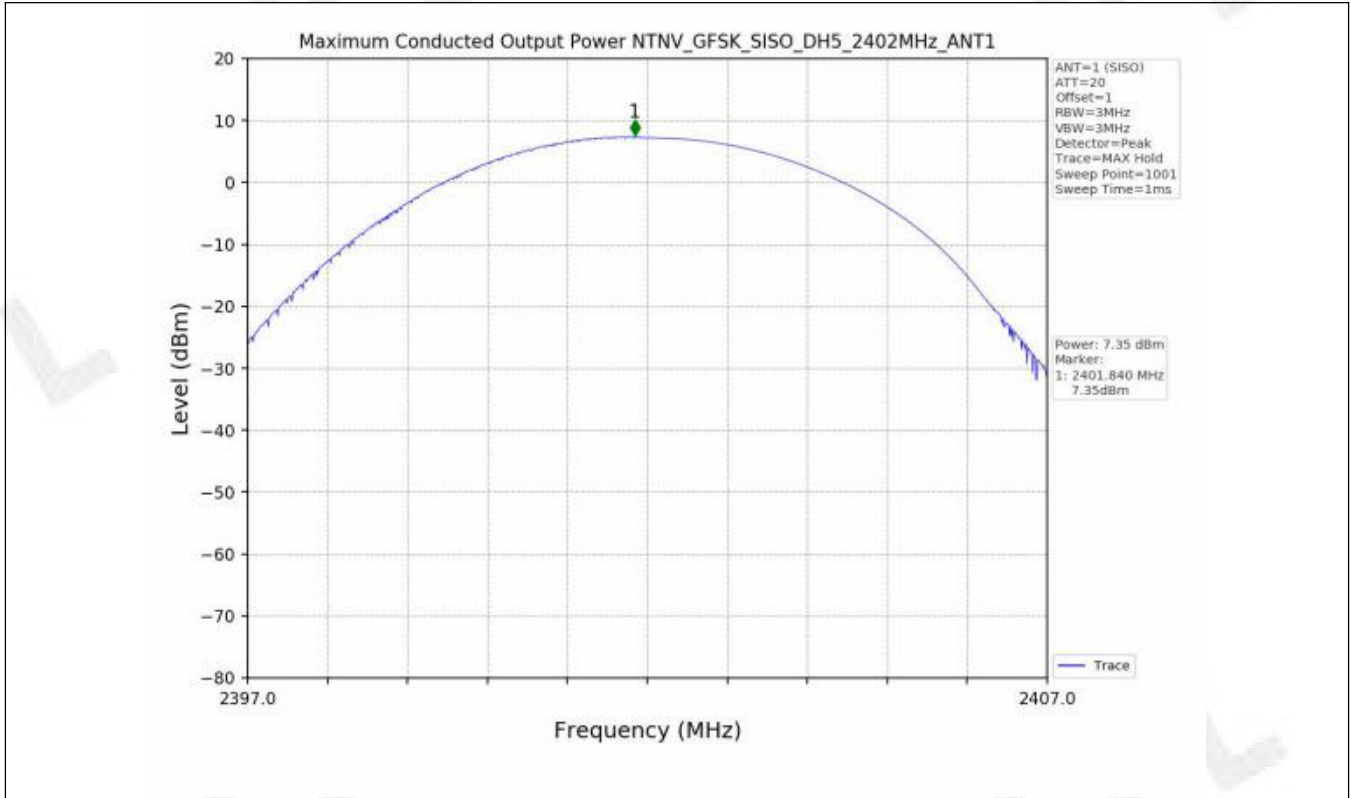


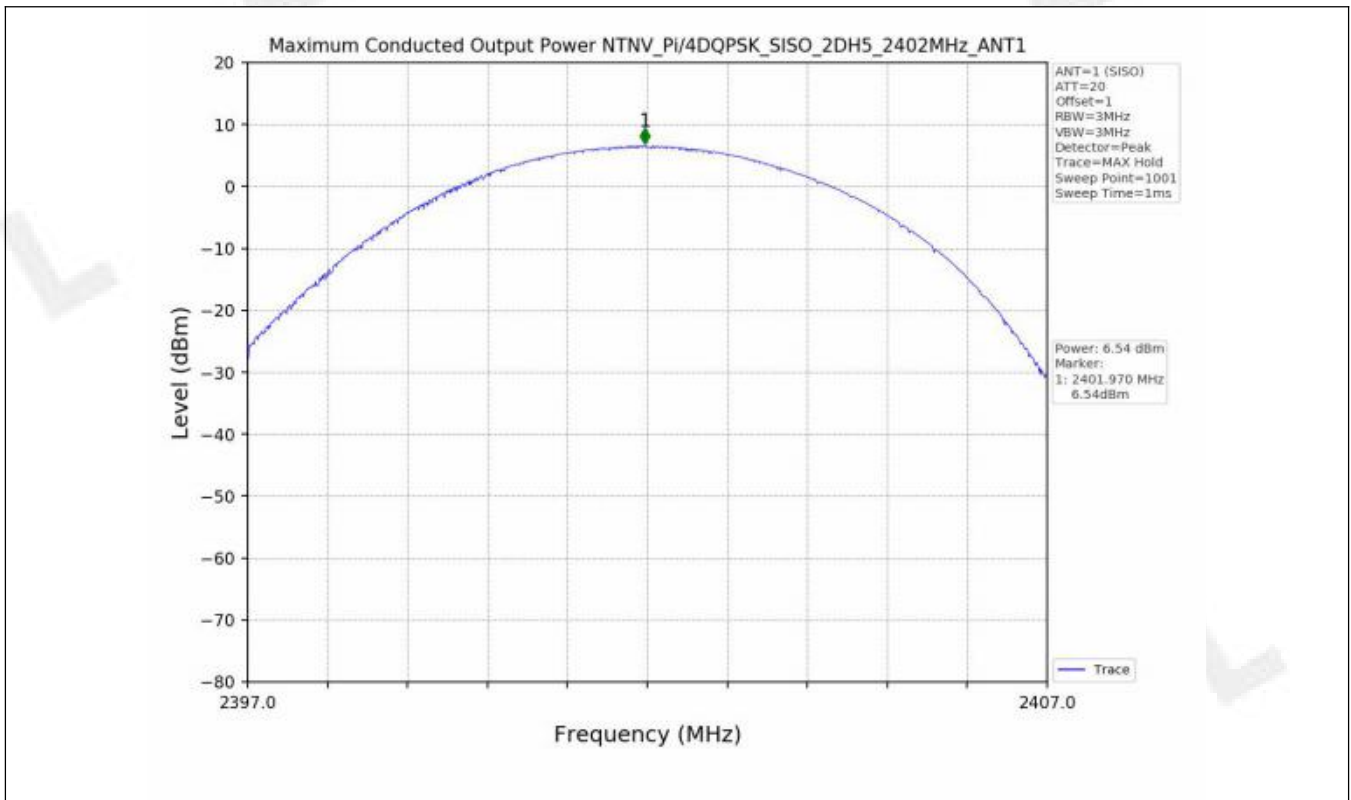
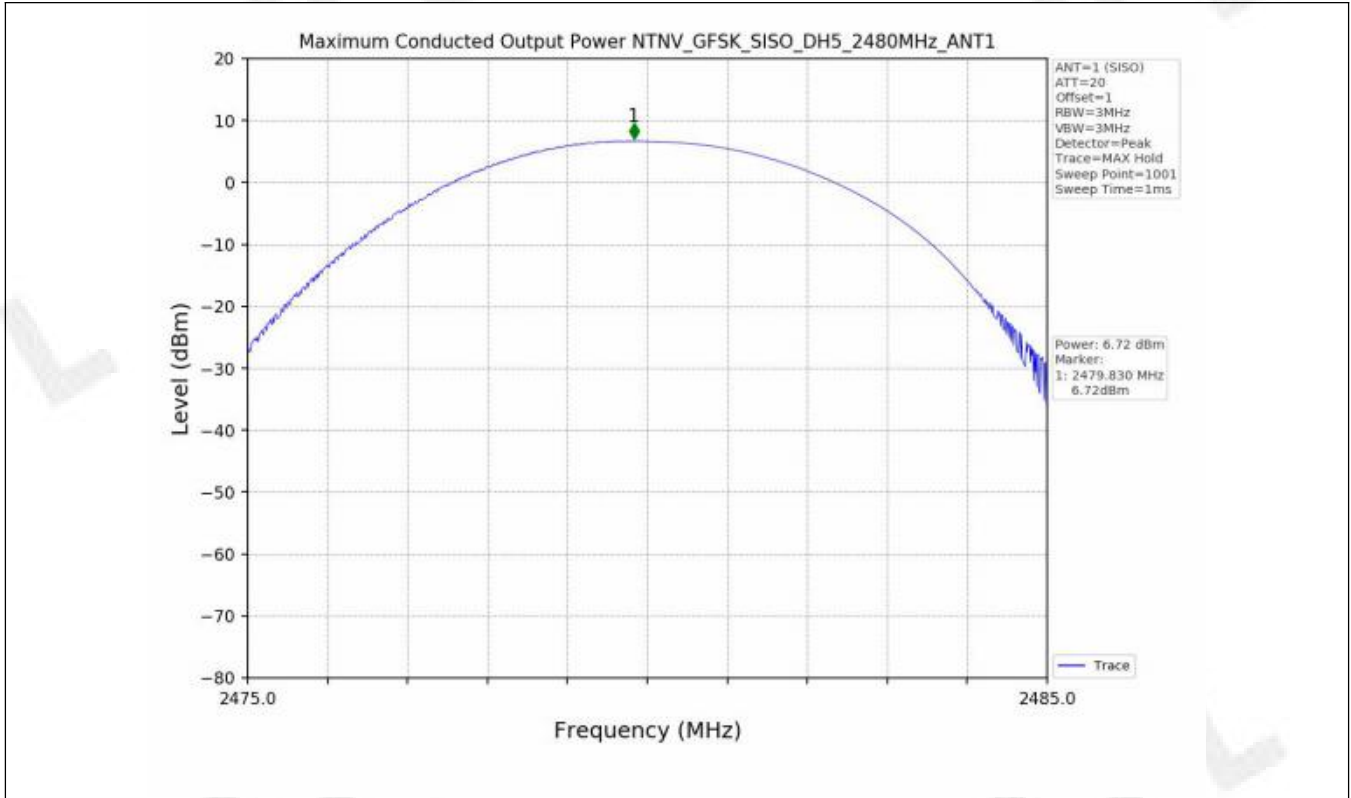
2. Maximum Conducted Output Power

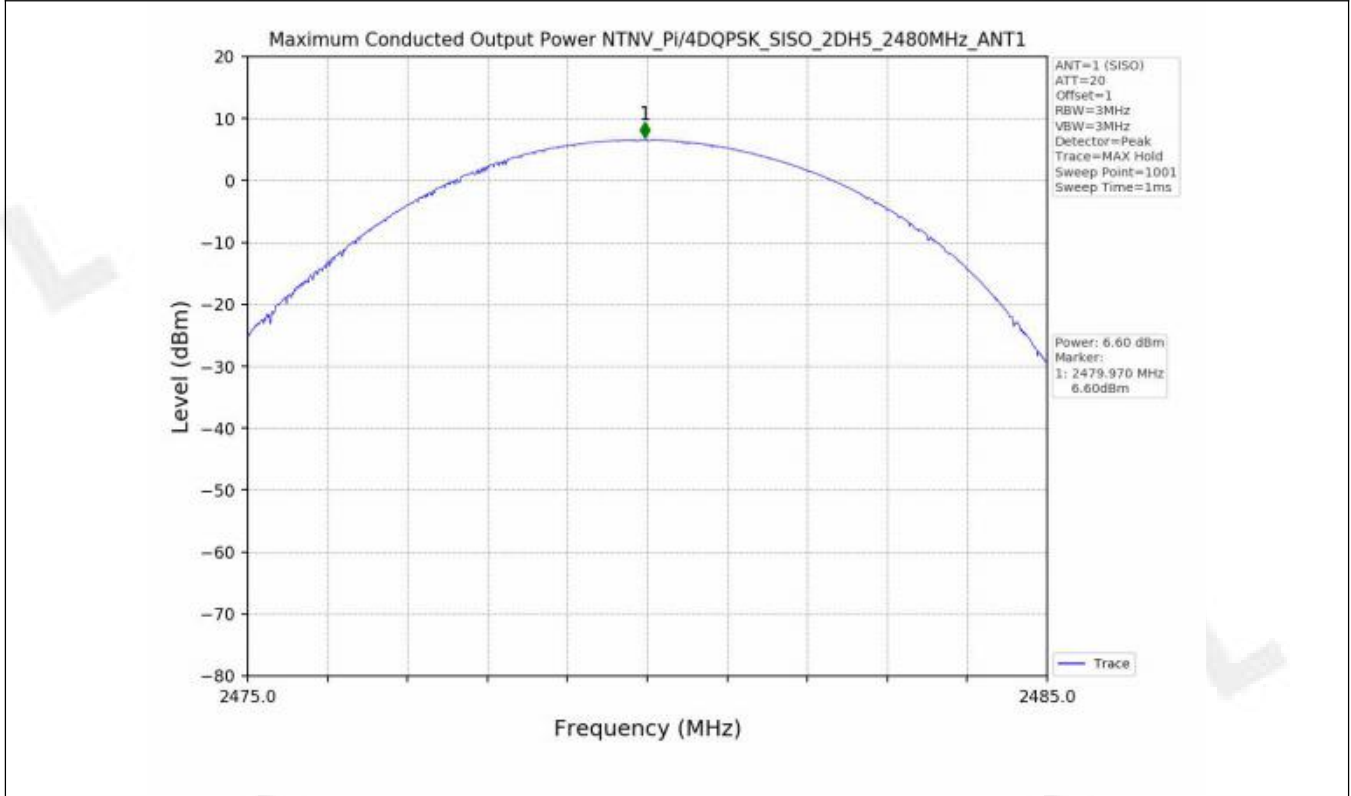
2.1 Test Result

Test Mode	Frequency (MHz)	Tx Type	Measured Peak Output Power (dBm)	Limits (dBm)	Verdict
			Ant 1		
GFSK	2402	SISO	7.35	30	PASS
	2441	SISO	8.32	30	PASS
	2480	SISO	6.72	30	PASS
Pi/4DQPSK	2402	SISO	6.54	20.97	PASS
	2441	SISO	7.89	20.97	PASS
	2480	SISO	6.60	20.97	PASS
8DPSK	2402	SISO	6.57	20.97	PASS
	2441	SISO	7.95	20.97	PASS
	2480	SISO	6.66	20.97	PASS

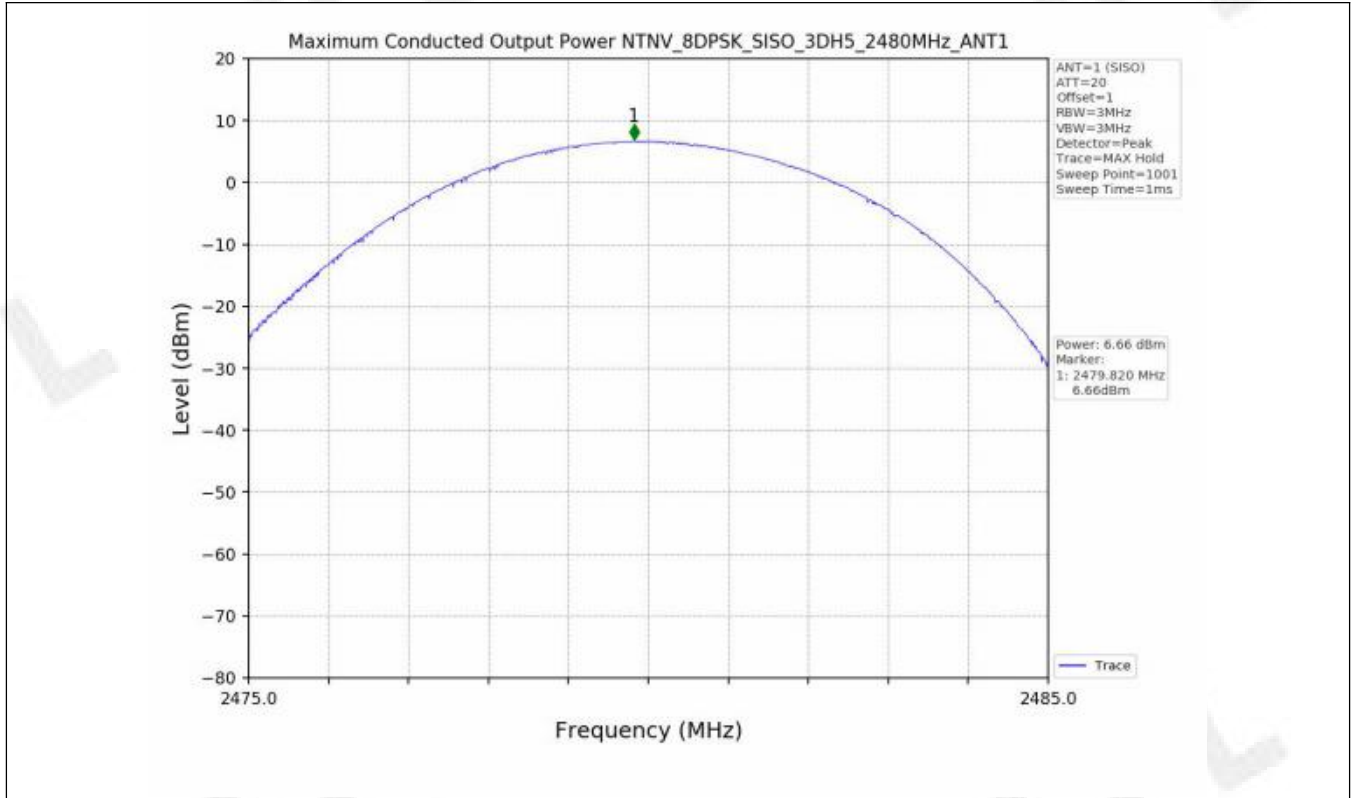
2.2 Test Graph









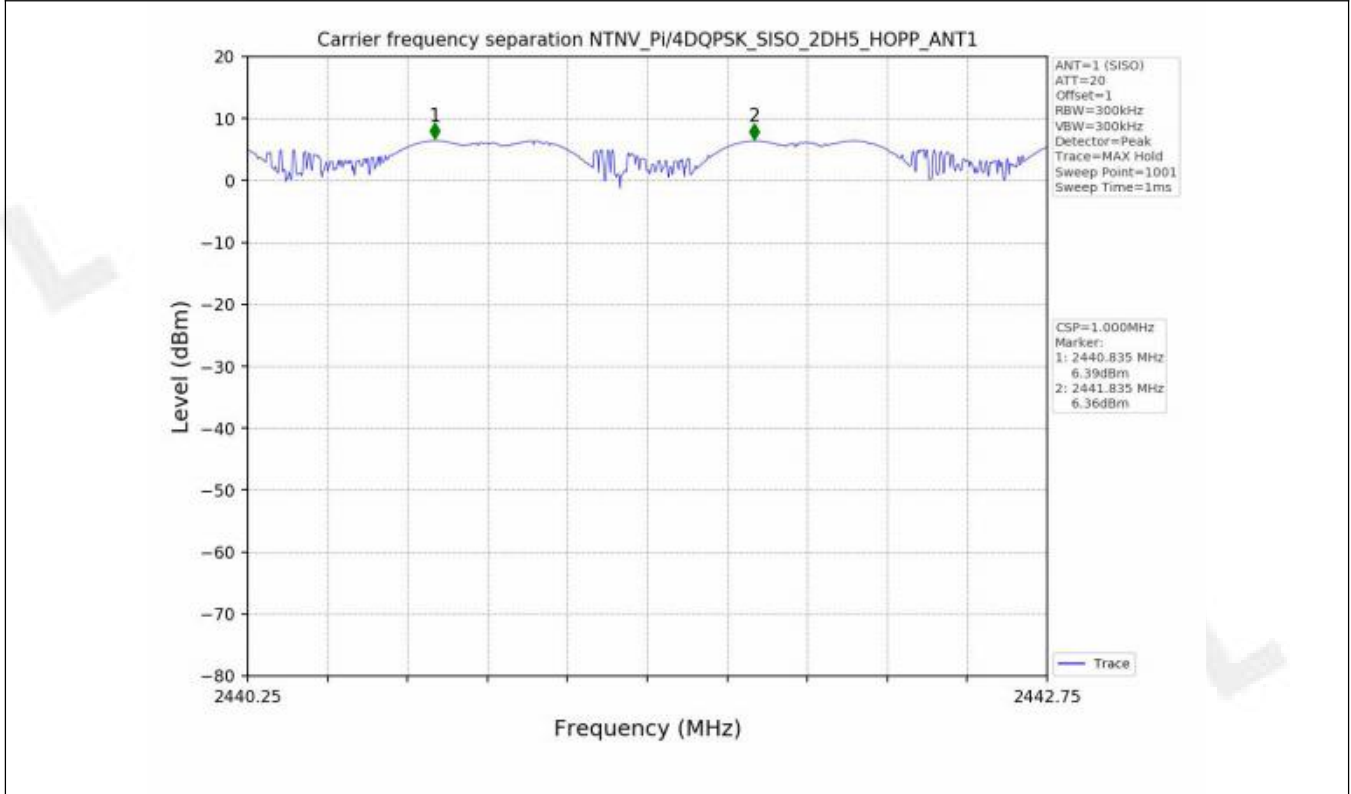
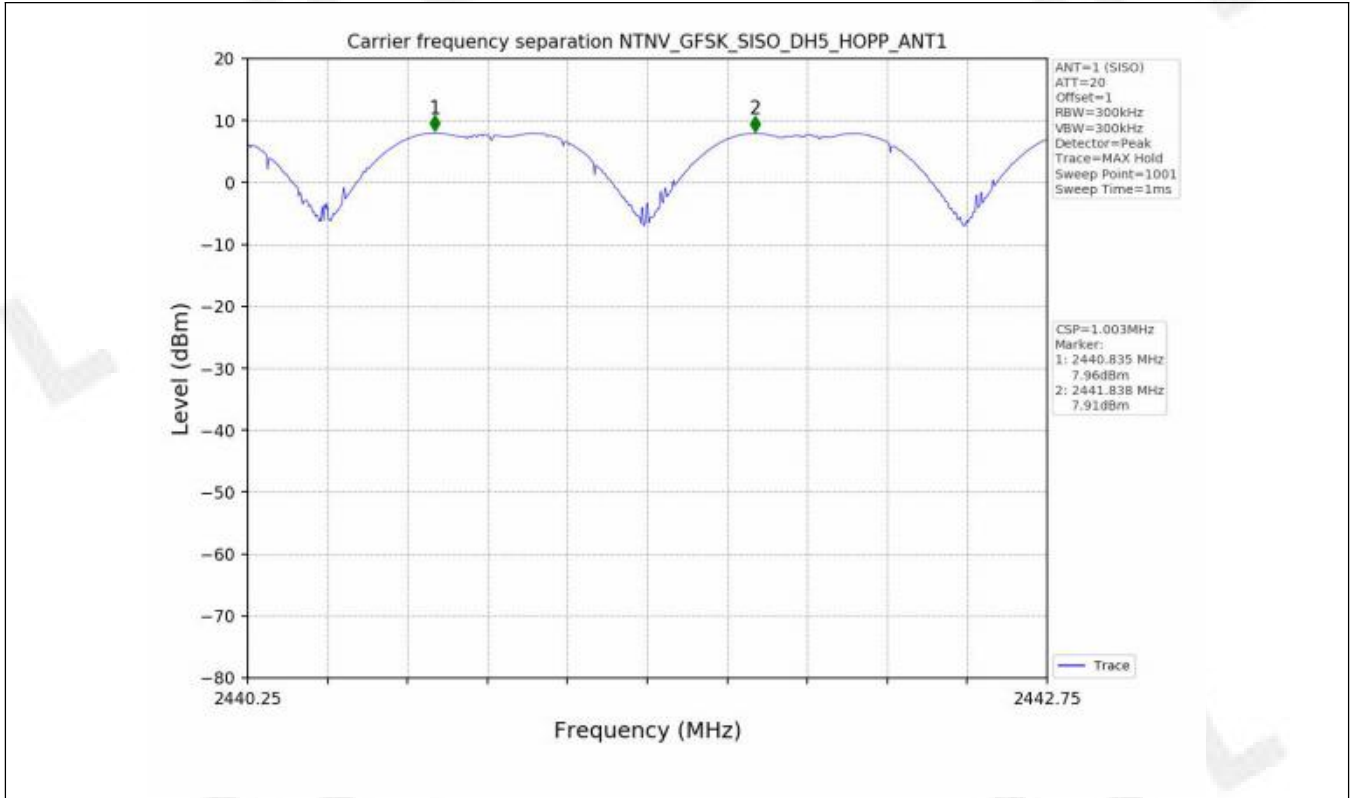


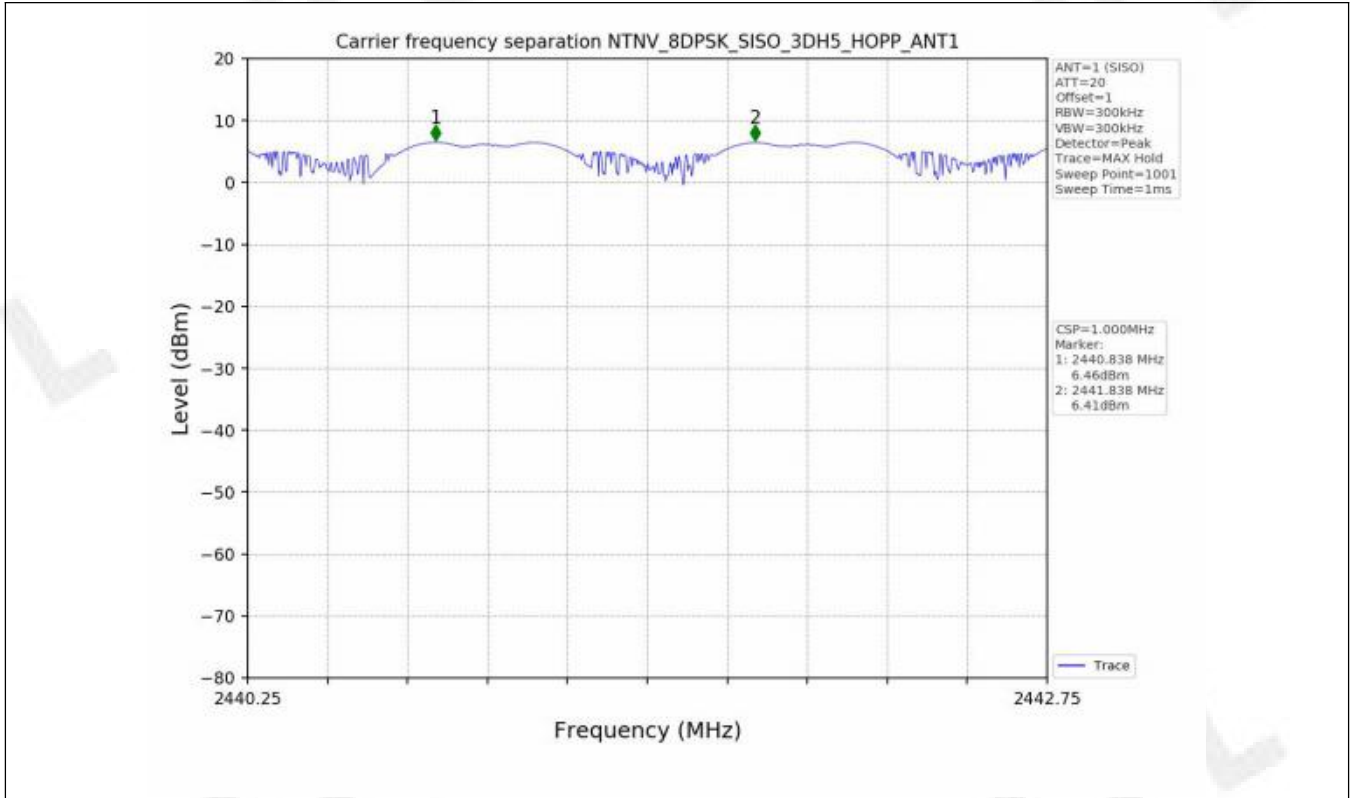
3. Carrier frequency separation

3.1 Test Result

Test Mode	TX Type	ANT No.	Channel Separation (MHz)	20dB Bandwidth (MHz)	Limits (MHz)	Verdict
GFSK	SISO	1	1.003	0.641	≥ 0.641	PASS
Pi/4DQPSK	SISO	1	1.000	1.177	≥ 0.785	PASS
8DPSK	SISO	1	1.000	1.161	≥ 0.774	PASS

3.2 Test Graph



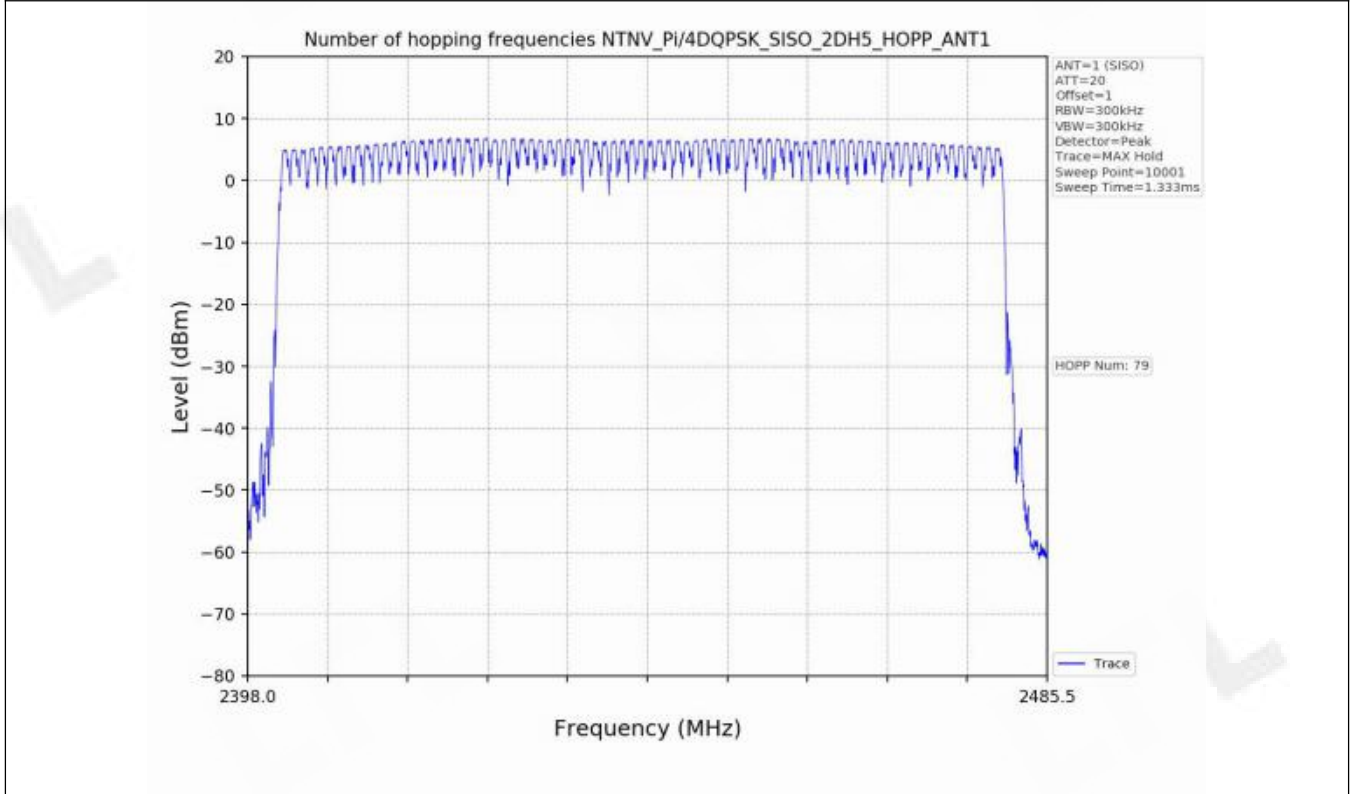
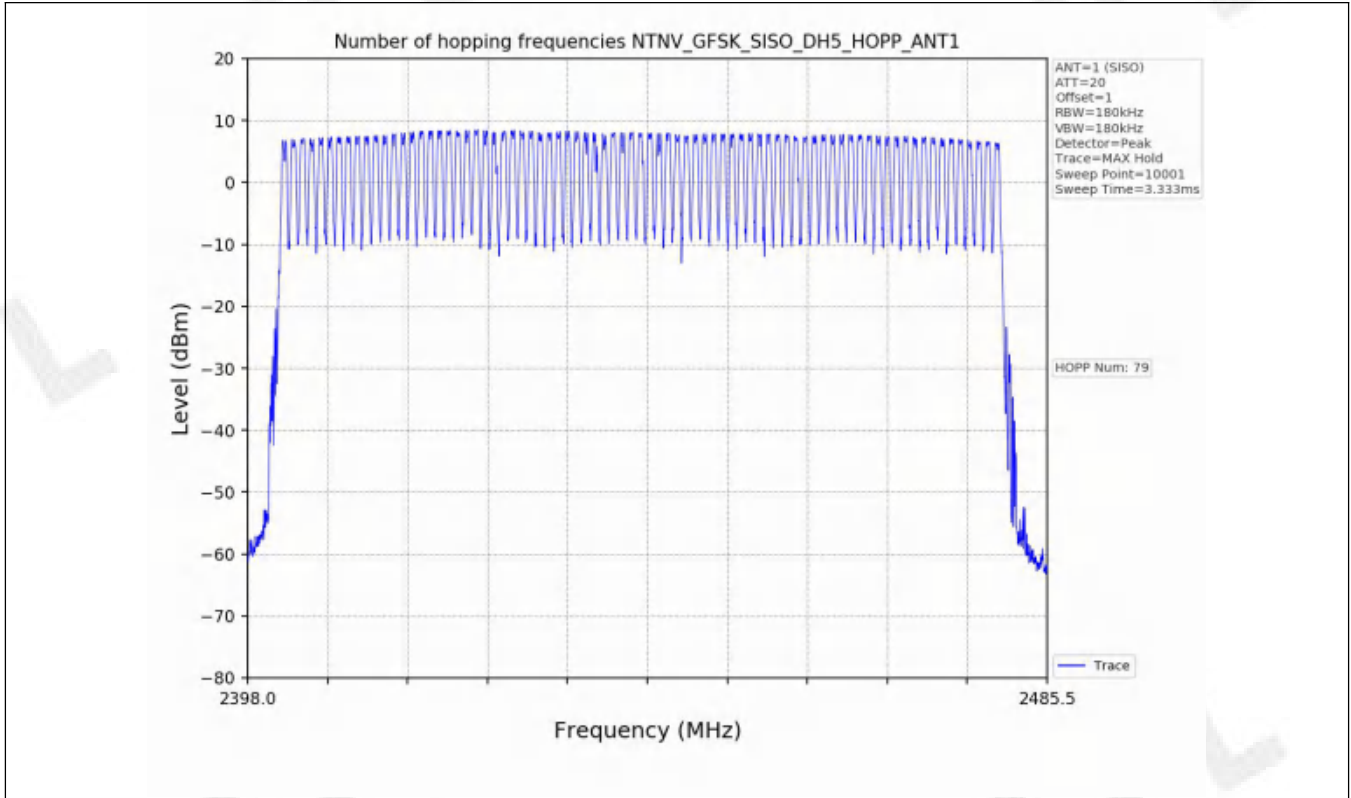


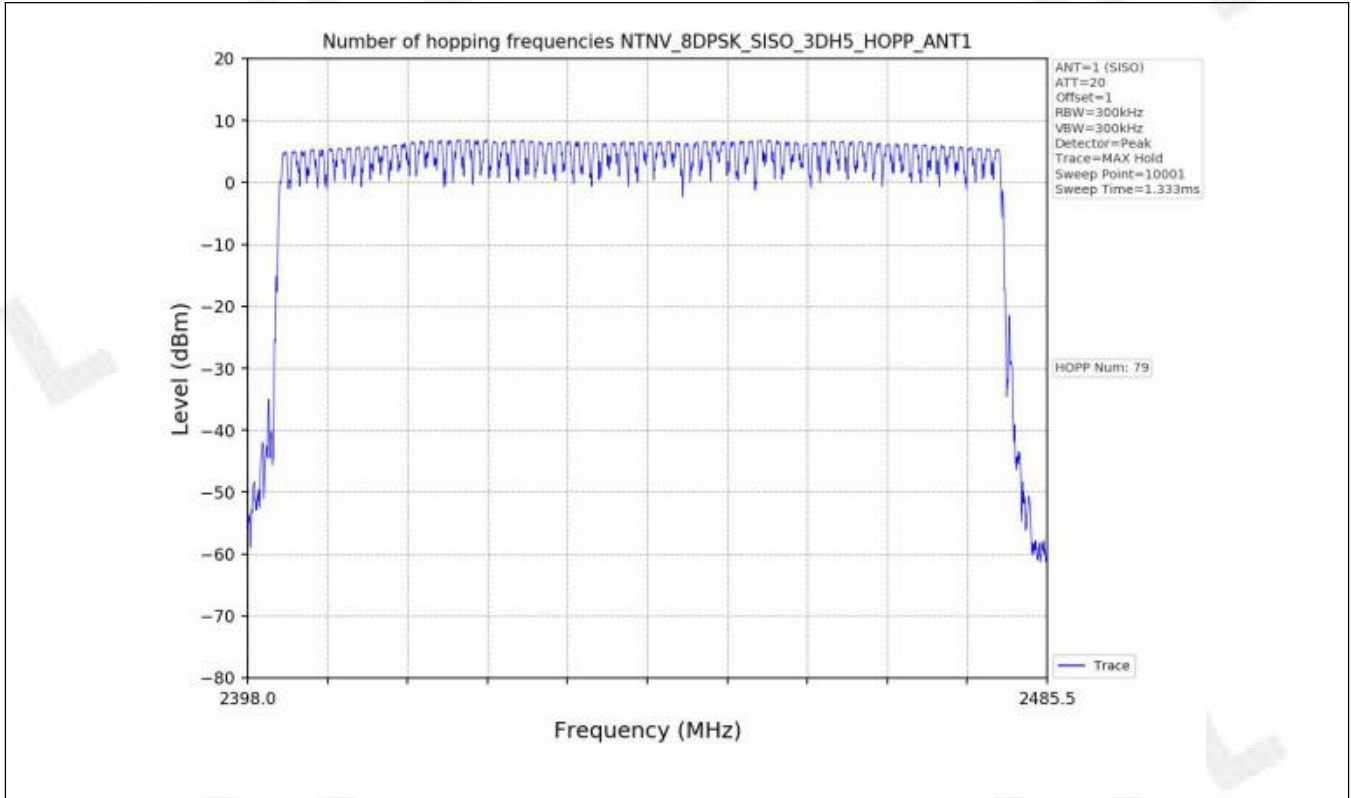
4. Number of hopping frequencies

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



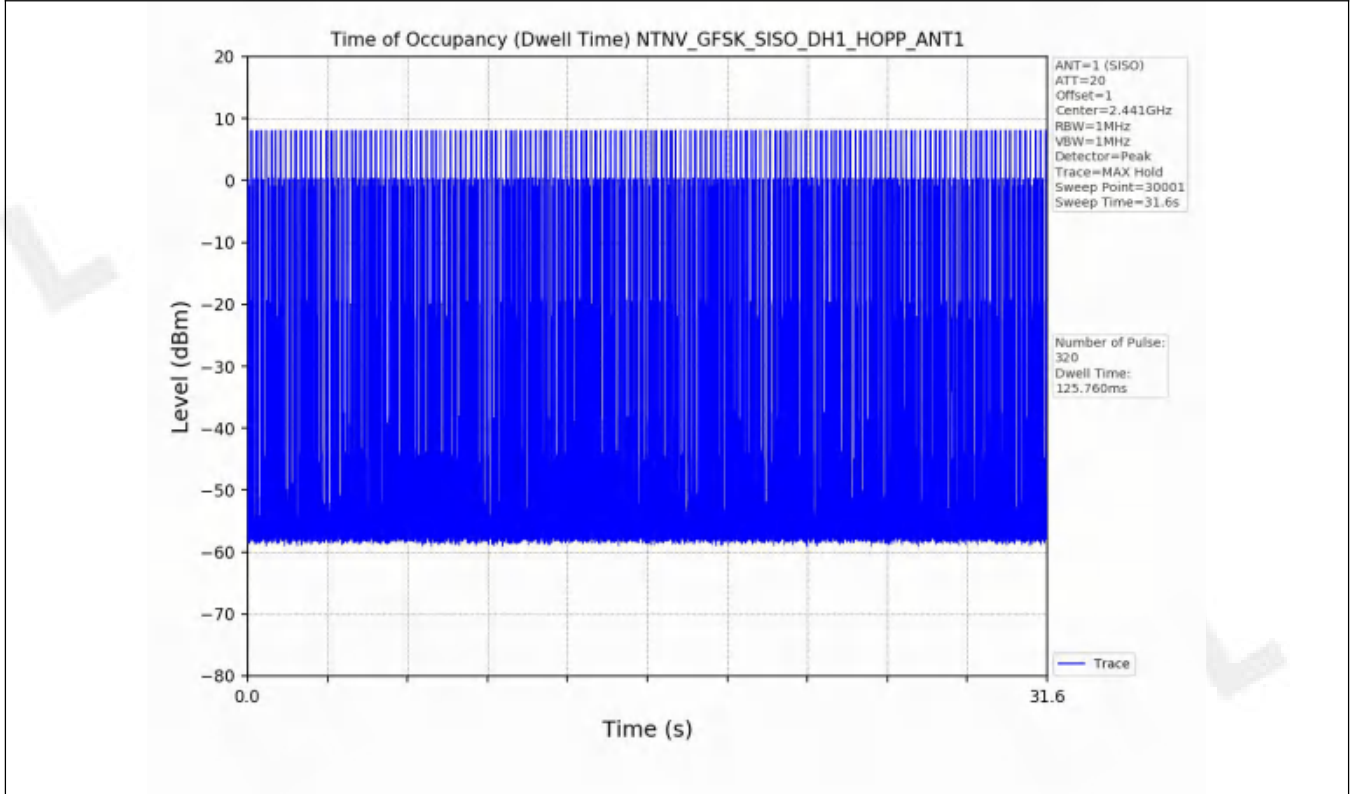
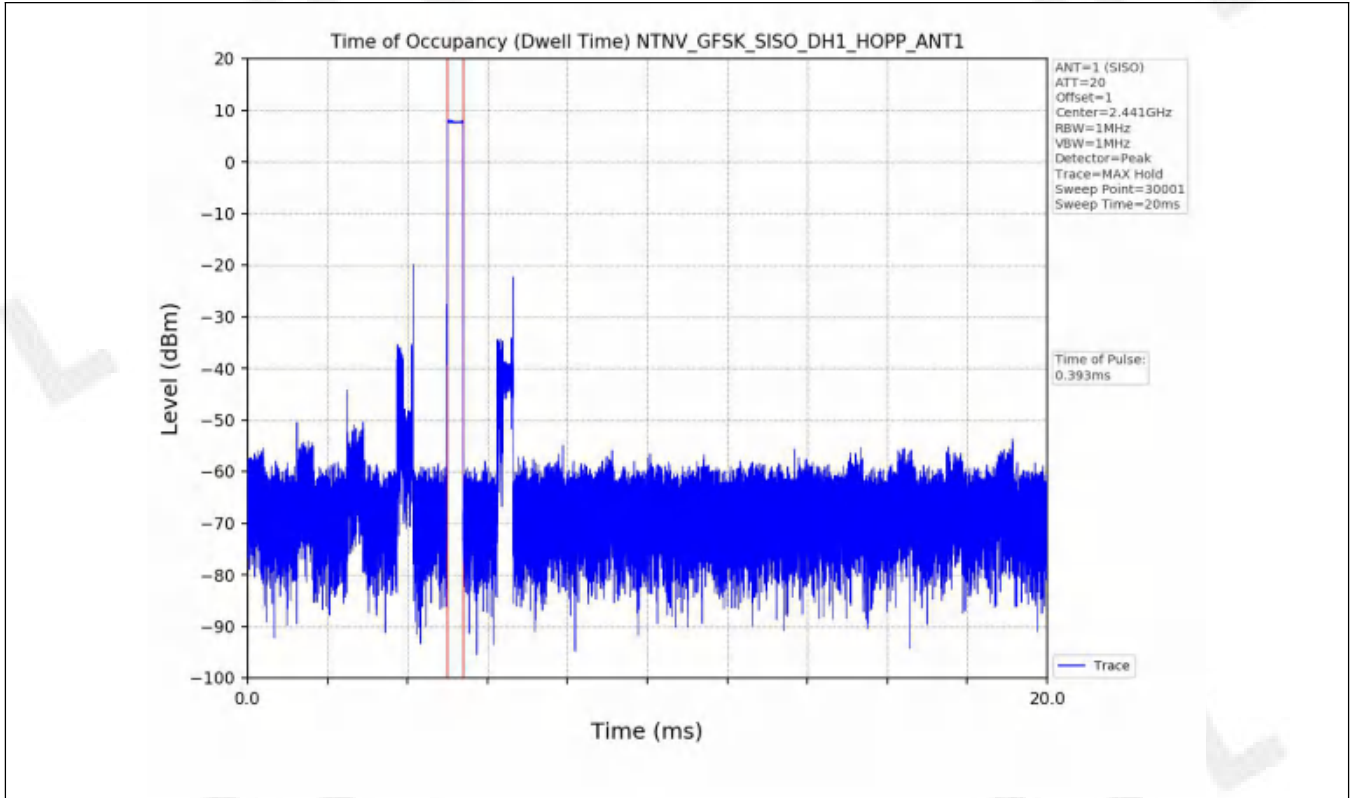


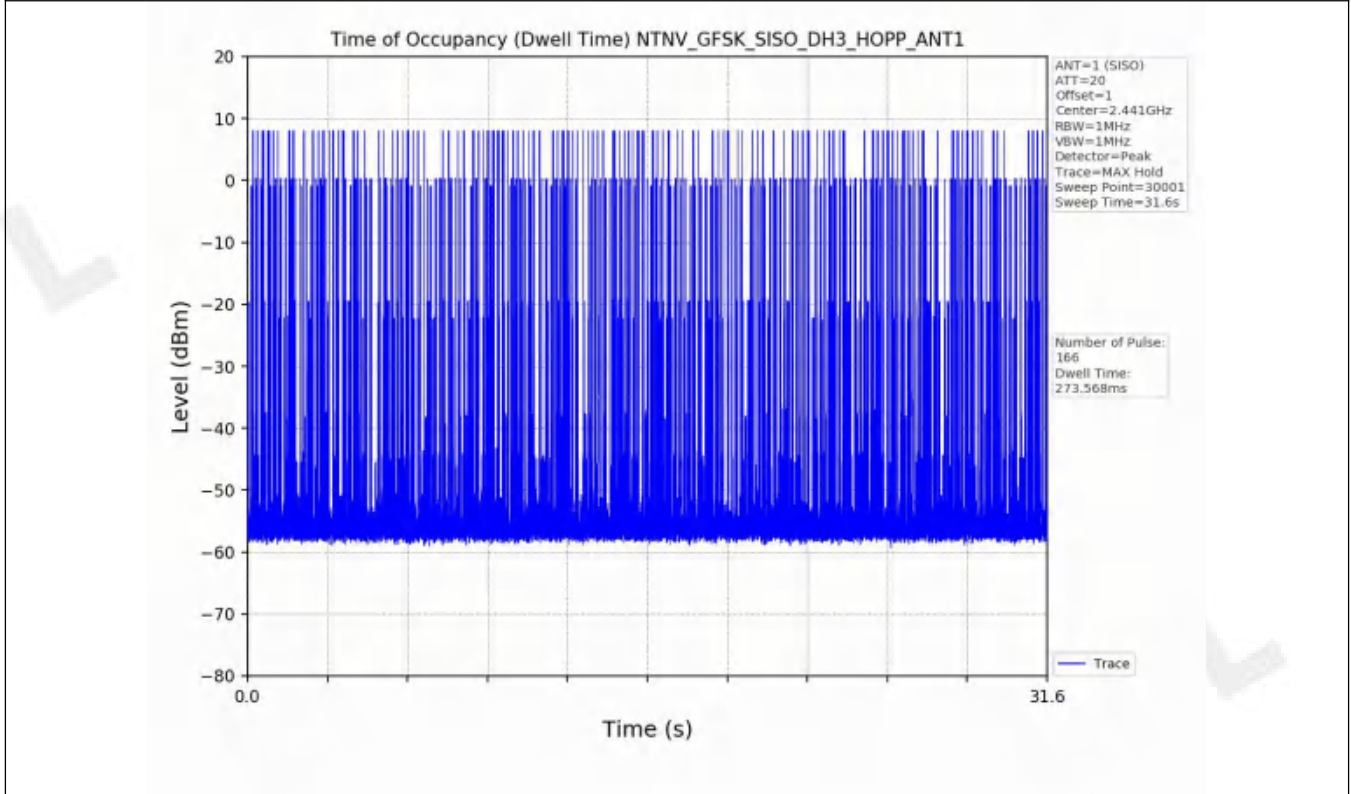
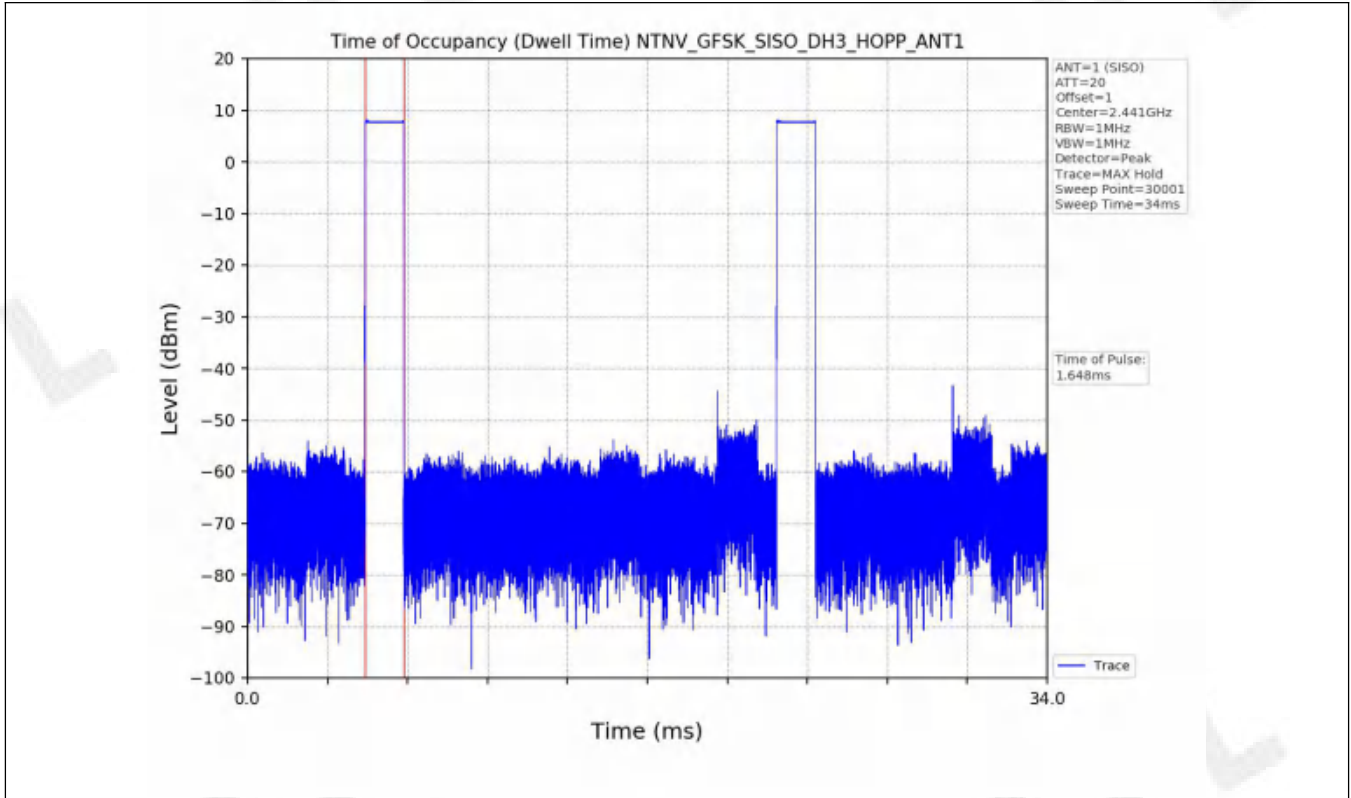
5. Time of Occupancy (Dwell Time)

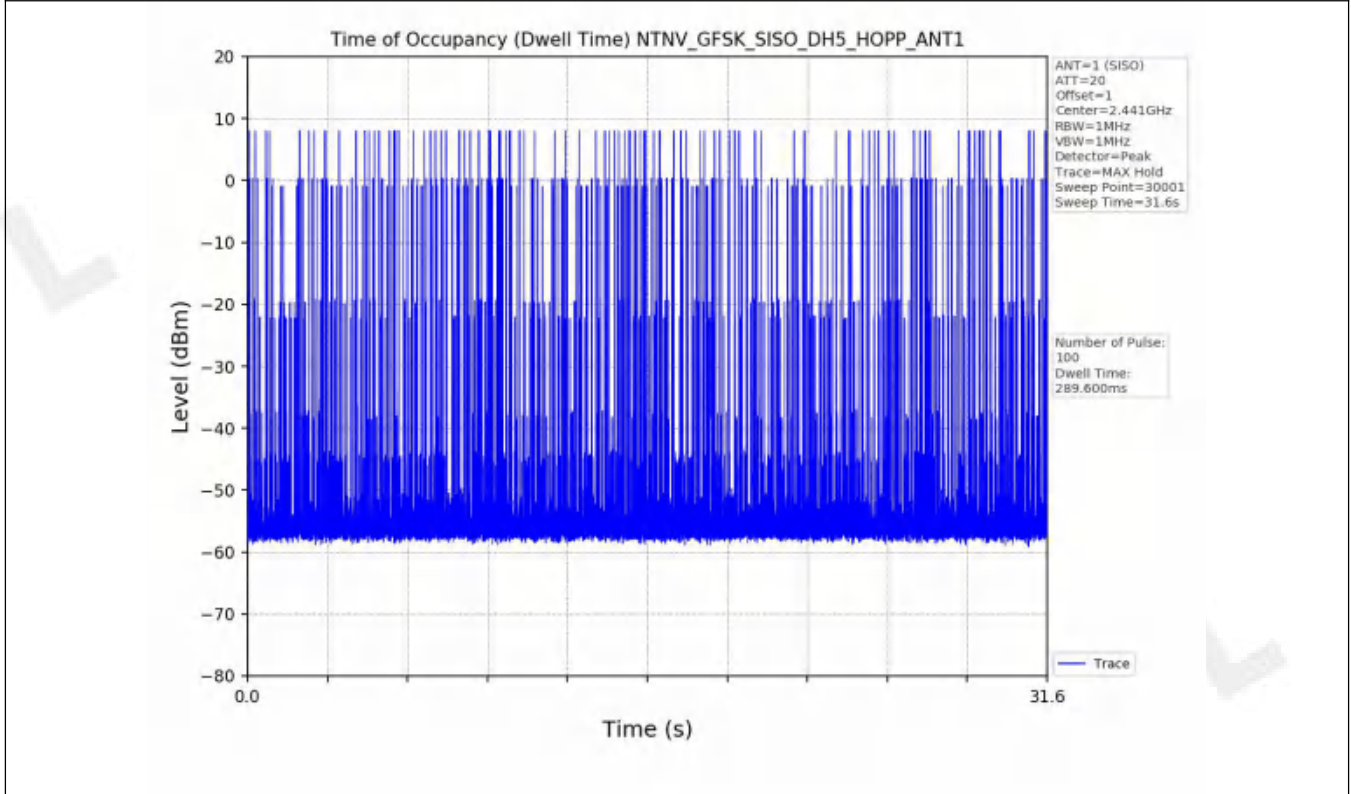
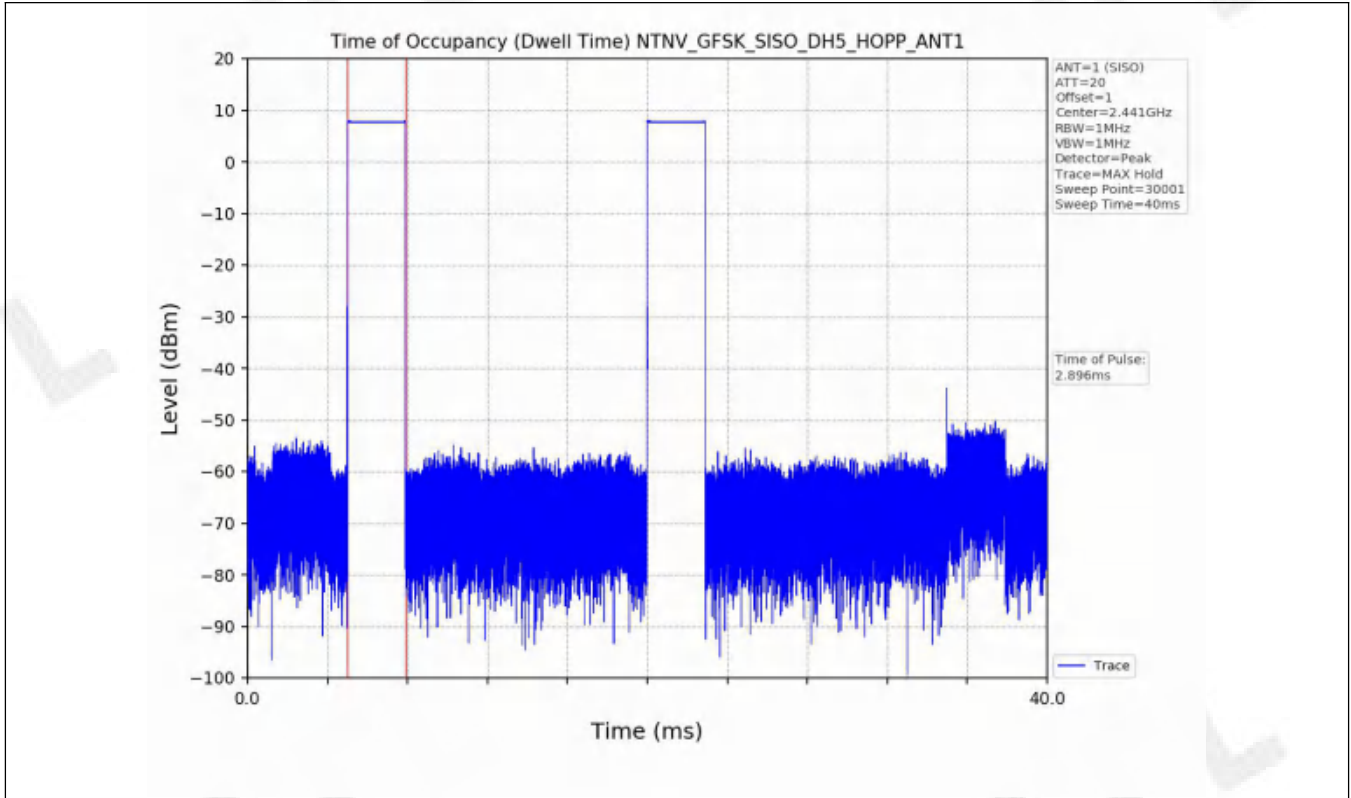
5.1 Test Result

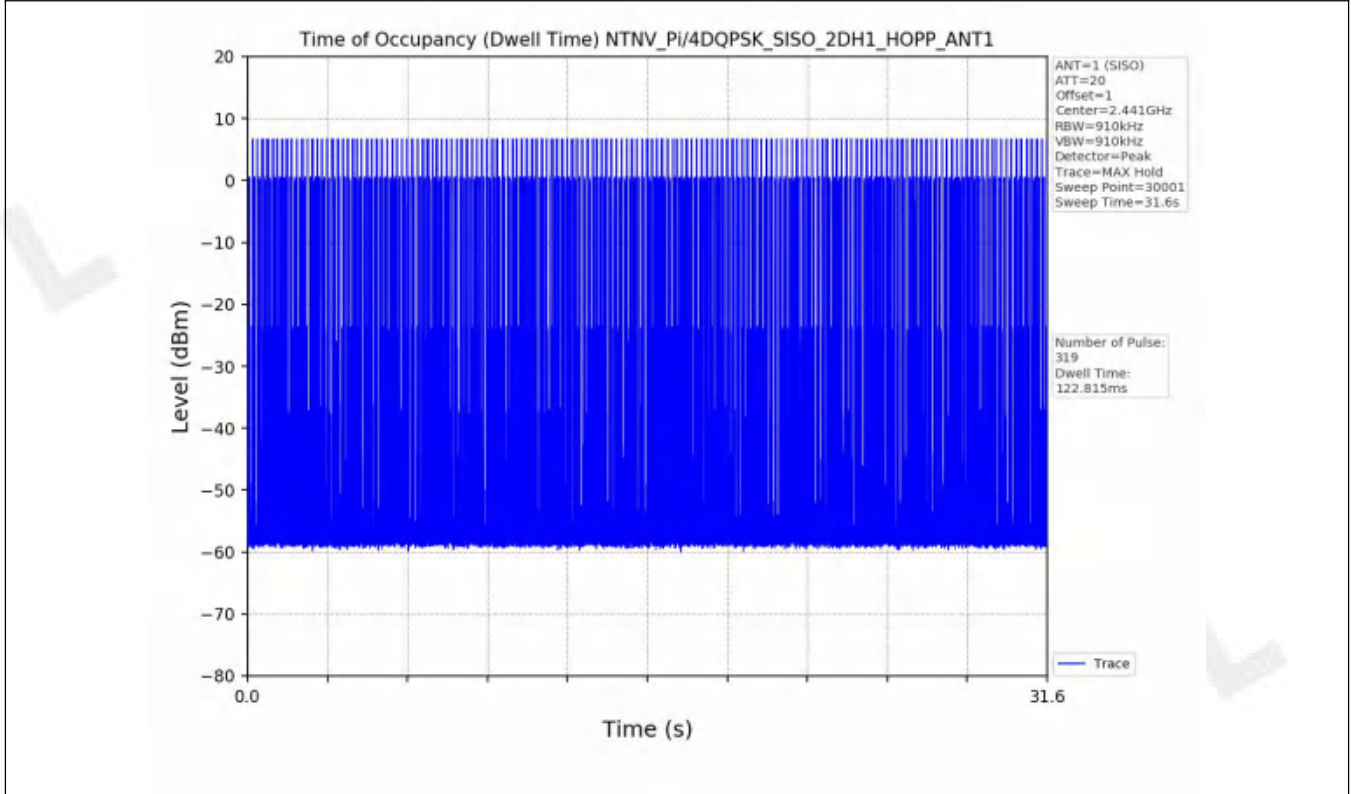
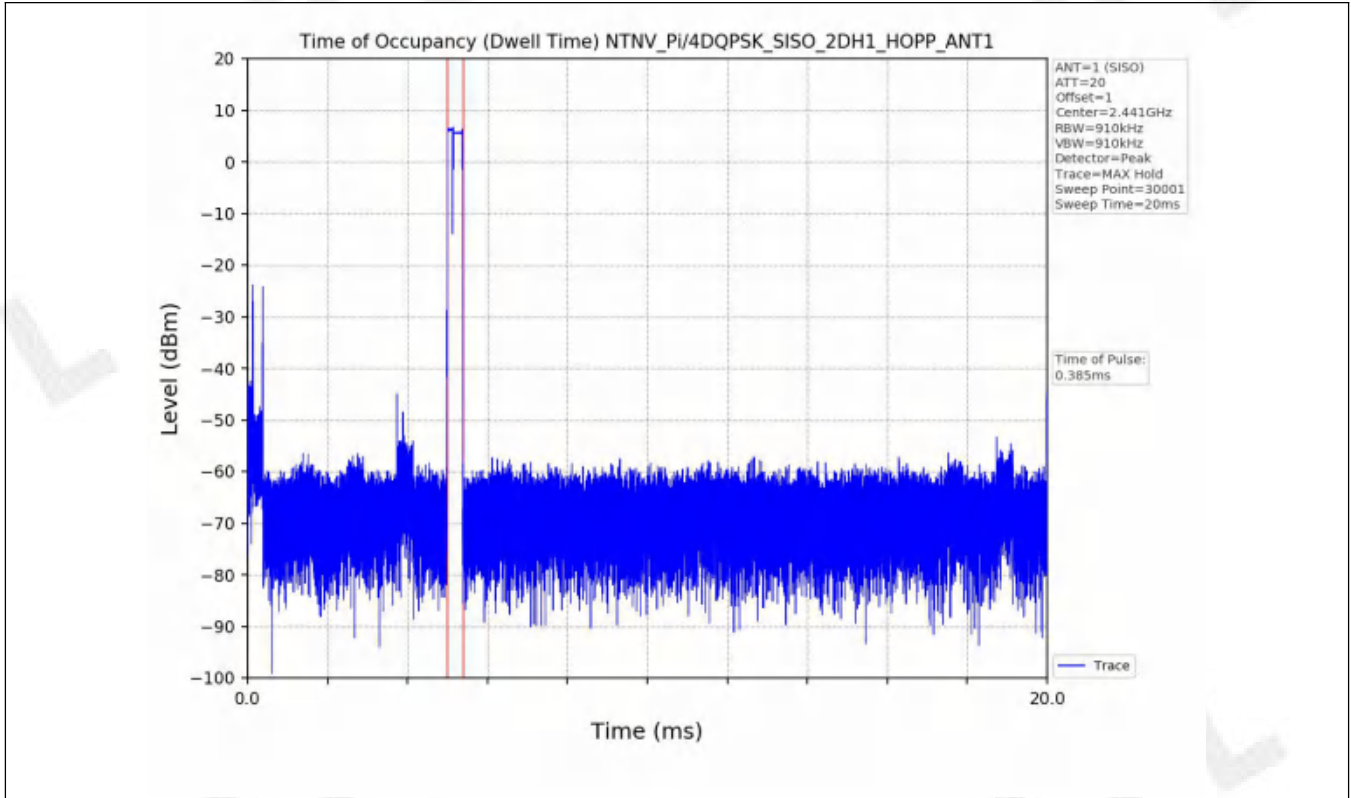
Test Mode	Packet Type	TX Type	ANT No.	Duration of Single Pulse (ms)	Observation Period (s)	Num of Pulse in Observation Period	Dwell Time (ms)	Limits (ms)	Verdict
GFSK	DH1	SISO	1	0.393	31.6	320	125.760	≤400	PASS
	DH3	SISO	1	1.648	31.6	166	273.568	≤400	PASS
	DH5	SISO	1	2.896	31.6	100	289.600	≤400	PASS
Pi/4DQPSK	2DH1	SISO	1	0.385	31.6	319	122.815	≤400	PASS
	2DH3	SISO	1	1.637	31.6	162	265.194	≤400	PASS
	2DH5	SISO	1	2.886	31.6	103	297.258	≤400	PASS
8DPSK	3DH1	SISO	1	0.383	31.6	320	122.560	≤400	PASS
	3DH3	SISO	1	1.634	31.6	167	272.878	≤400	PASS
	3DH5	SISO	1	2.885	31.6	101	291.385	≤400	PASS

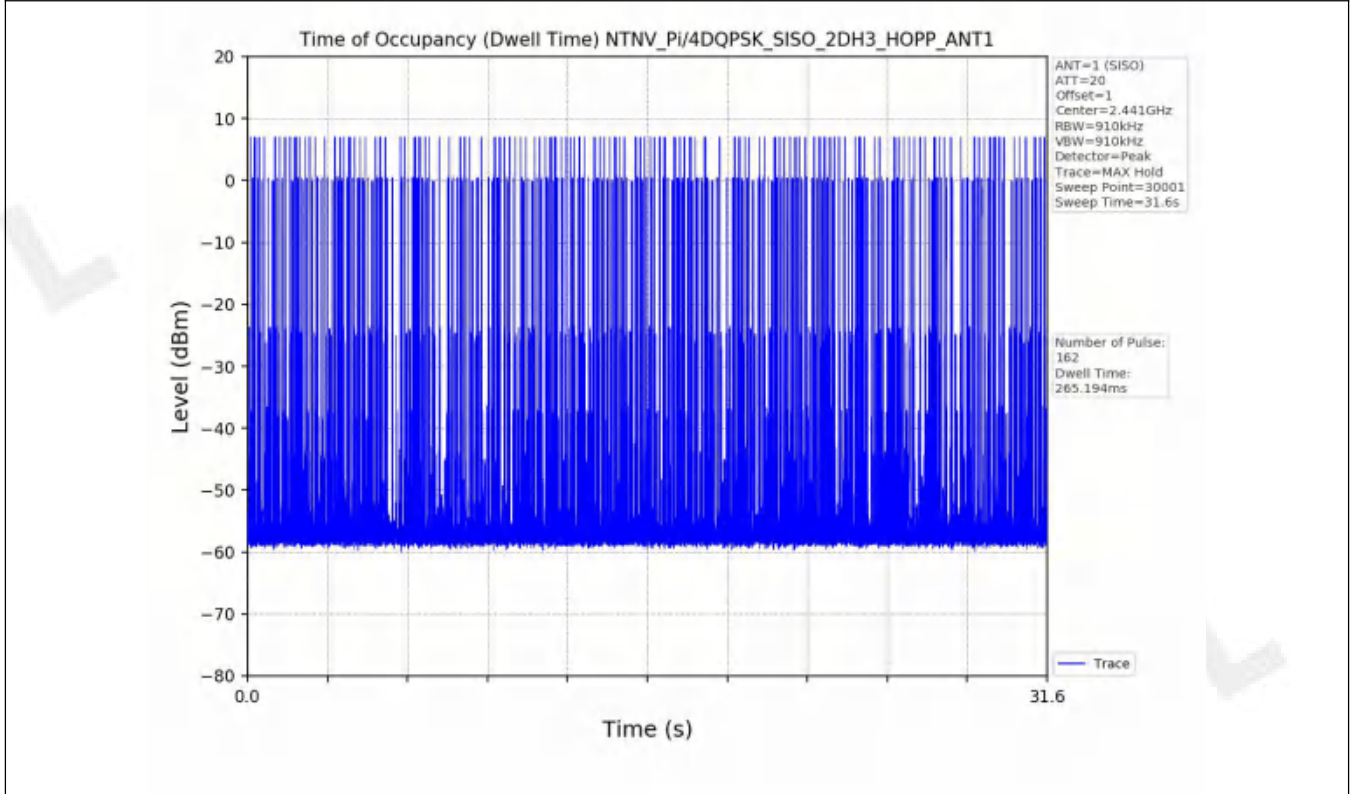
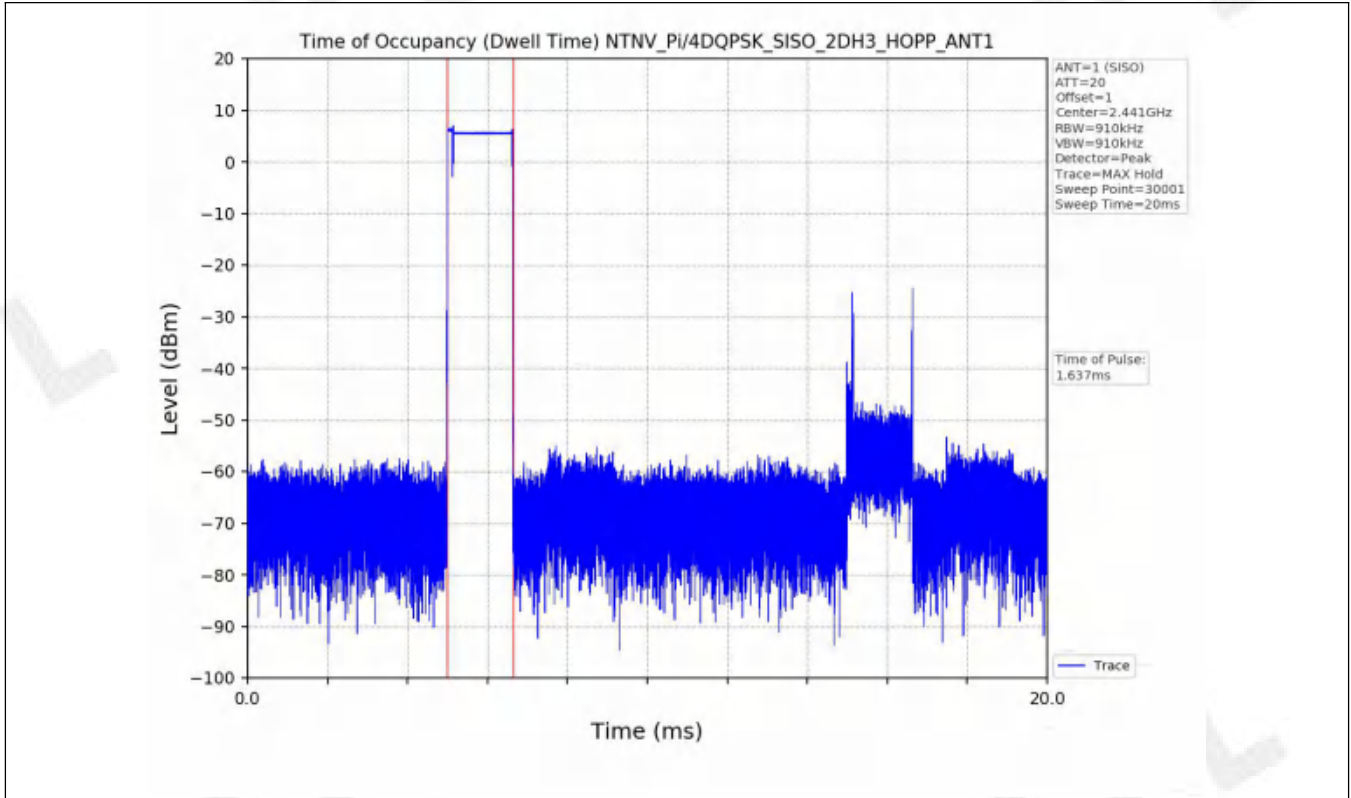
5.2 Test Graph

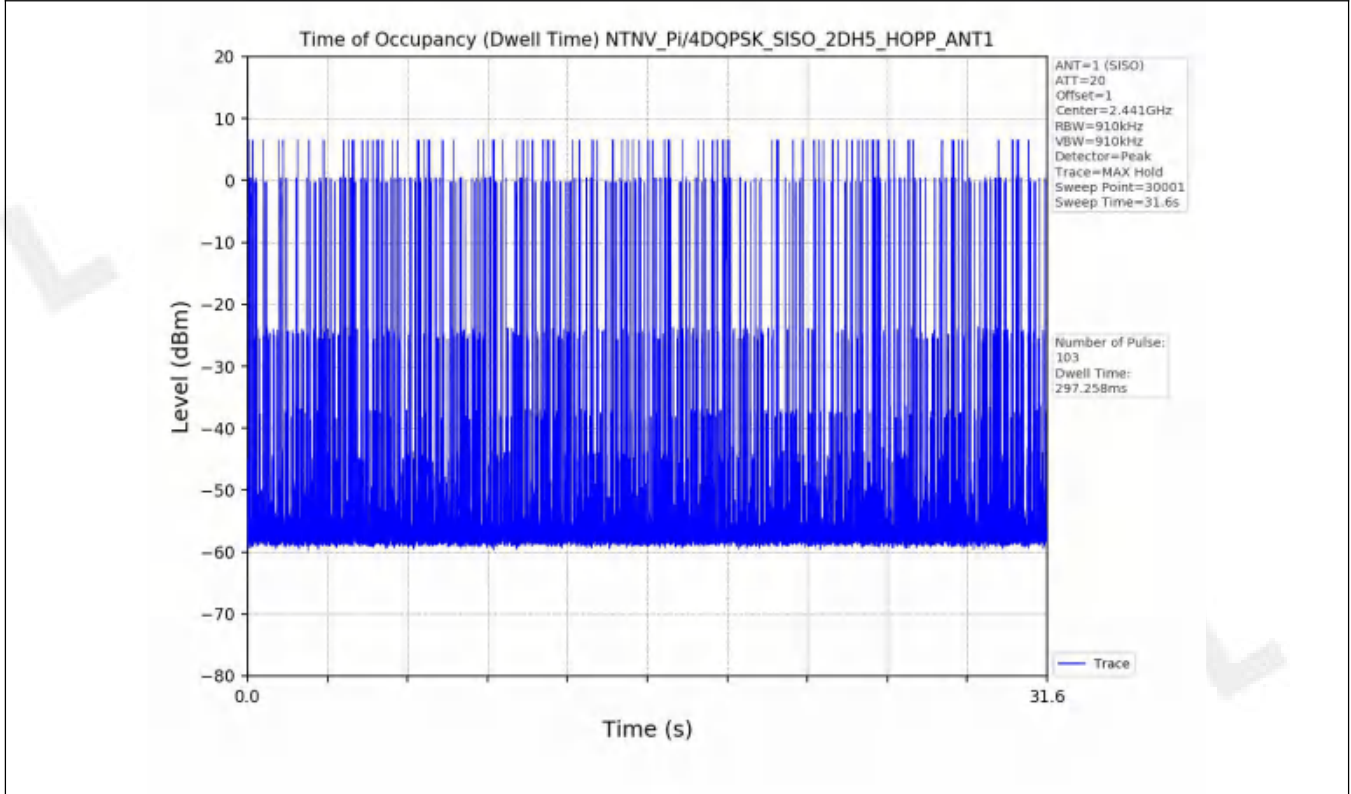
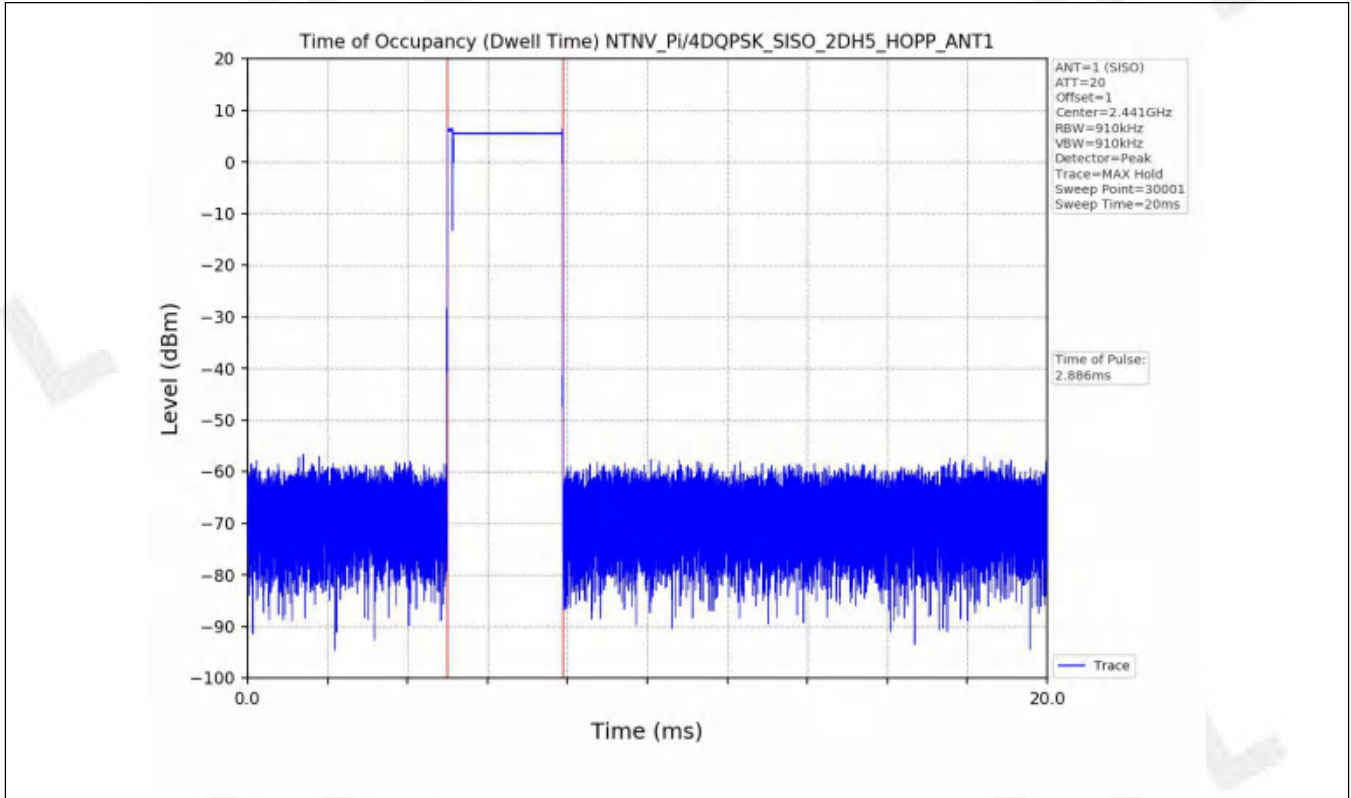


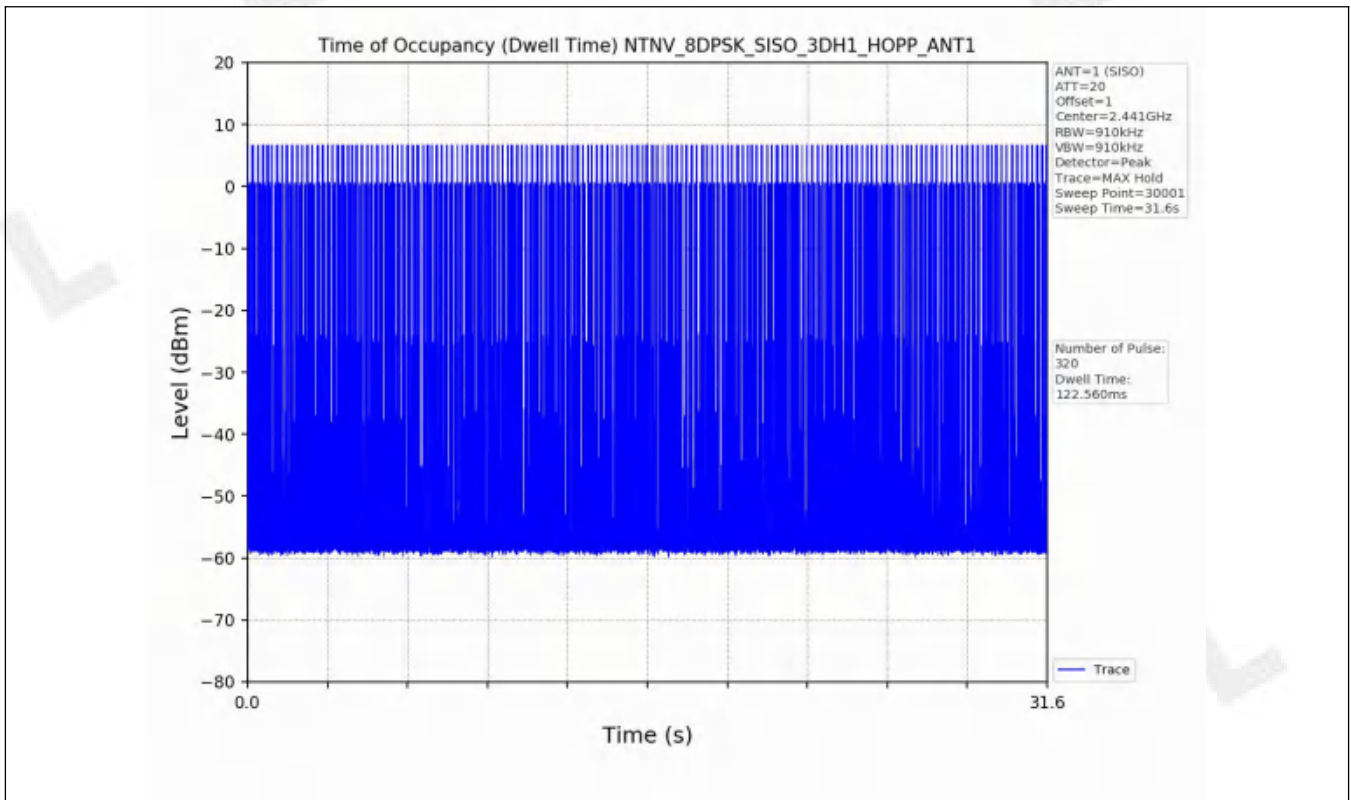
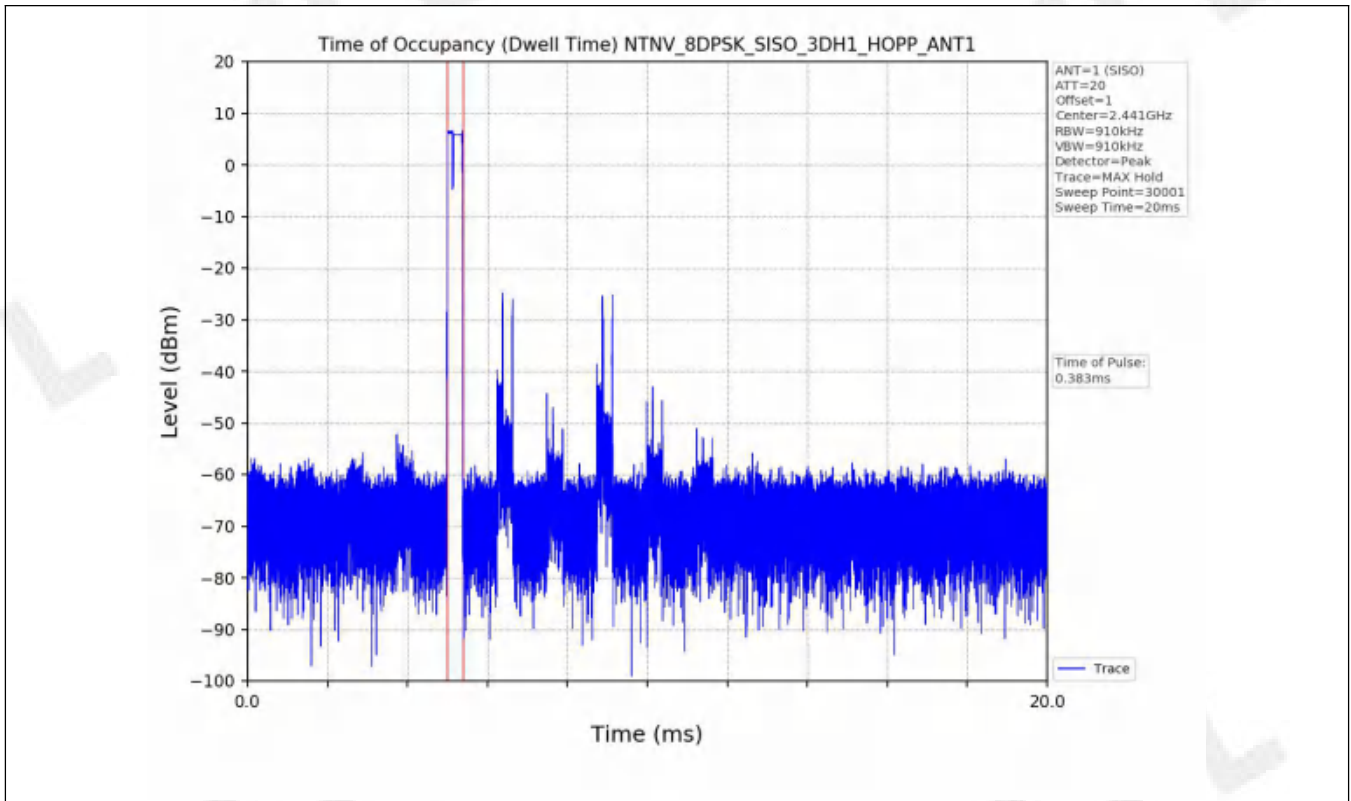


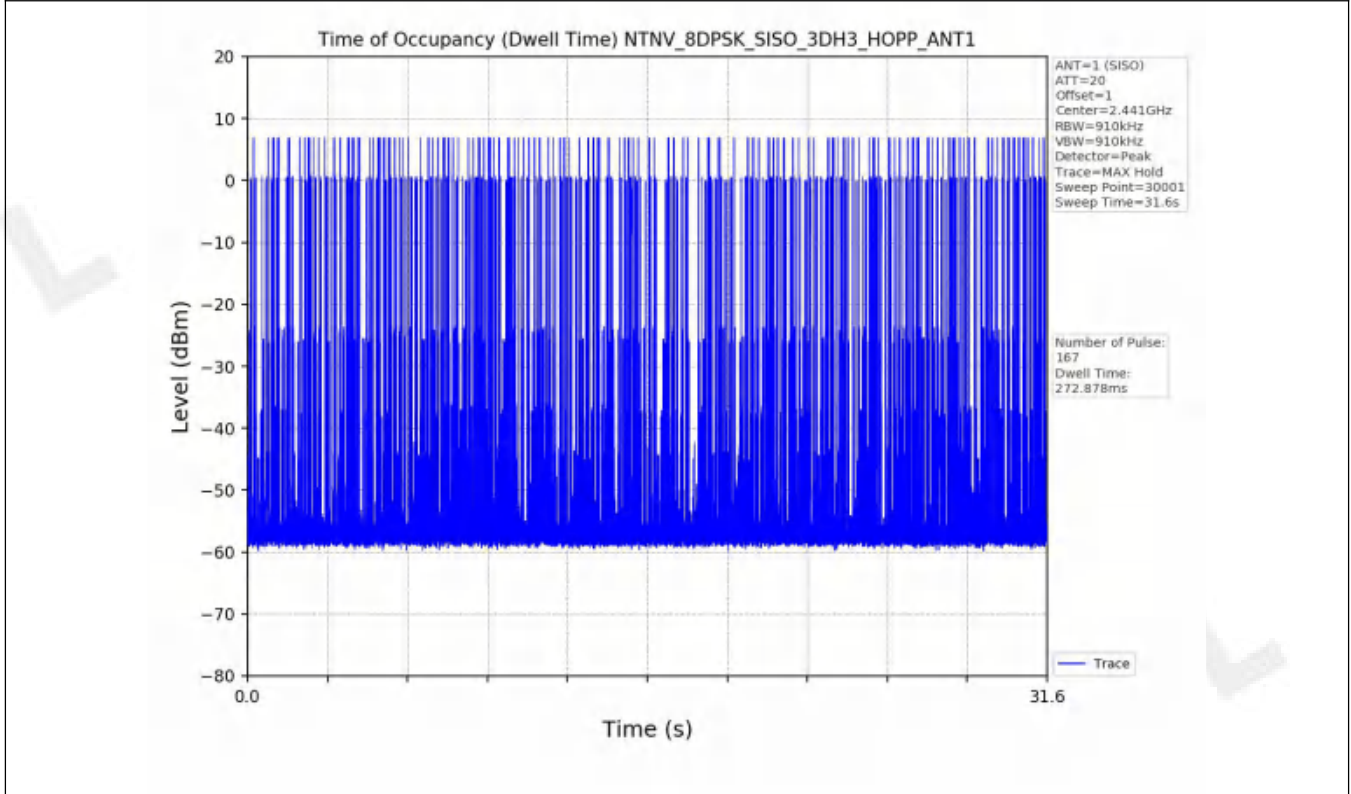
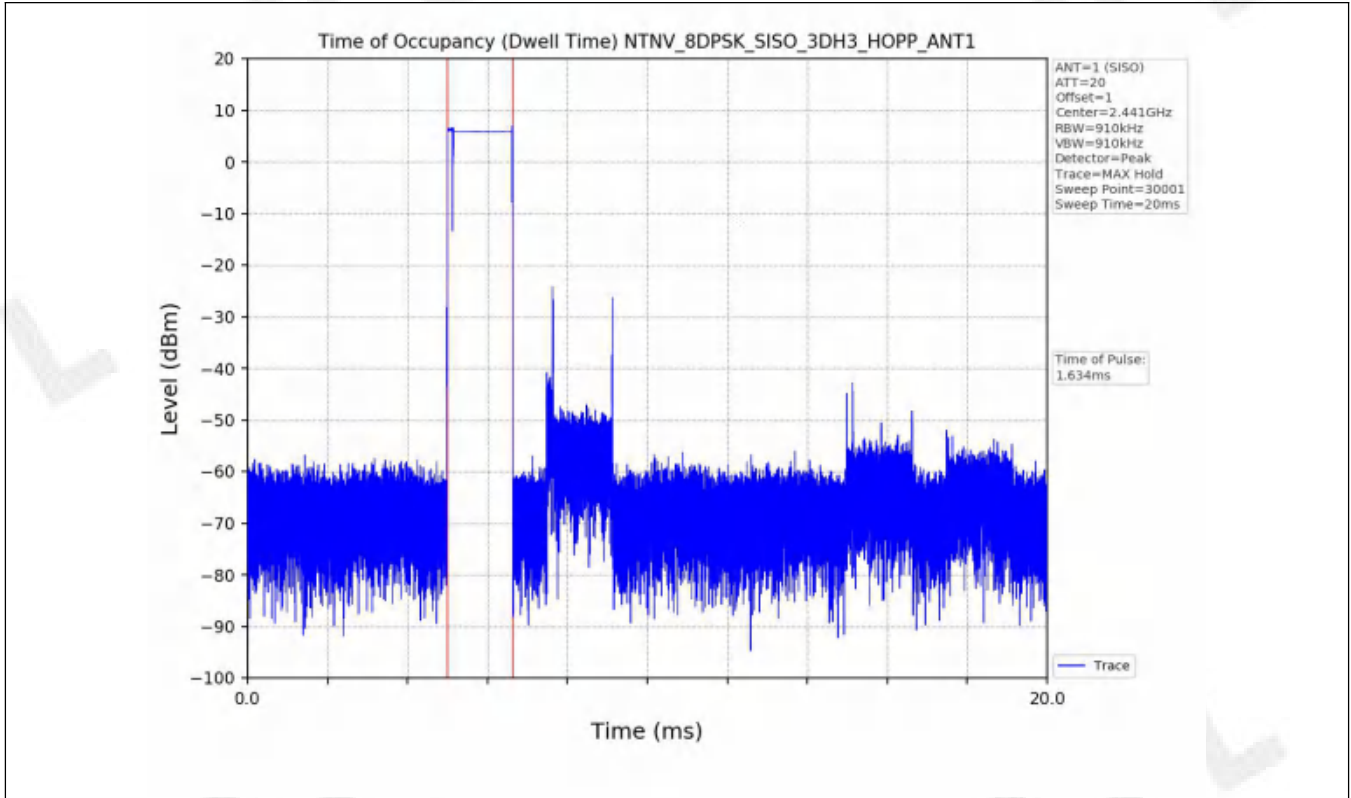


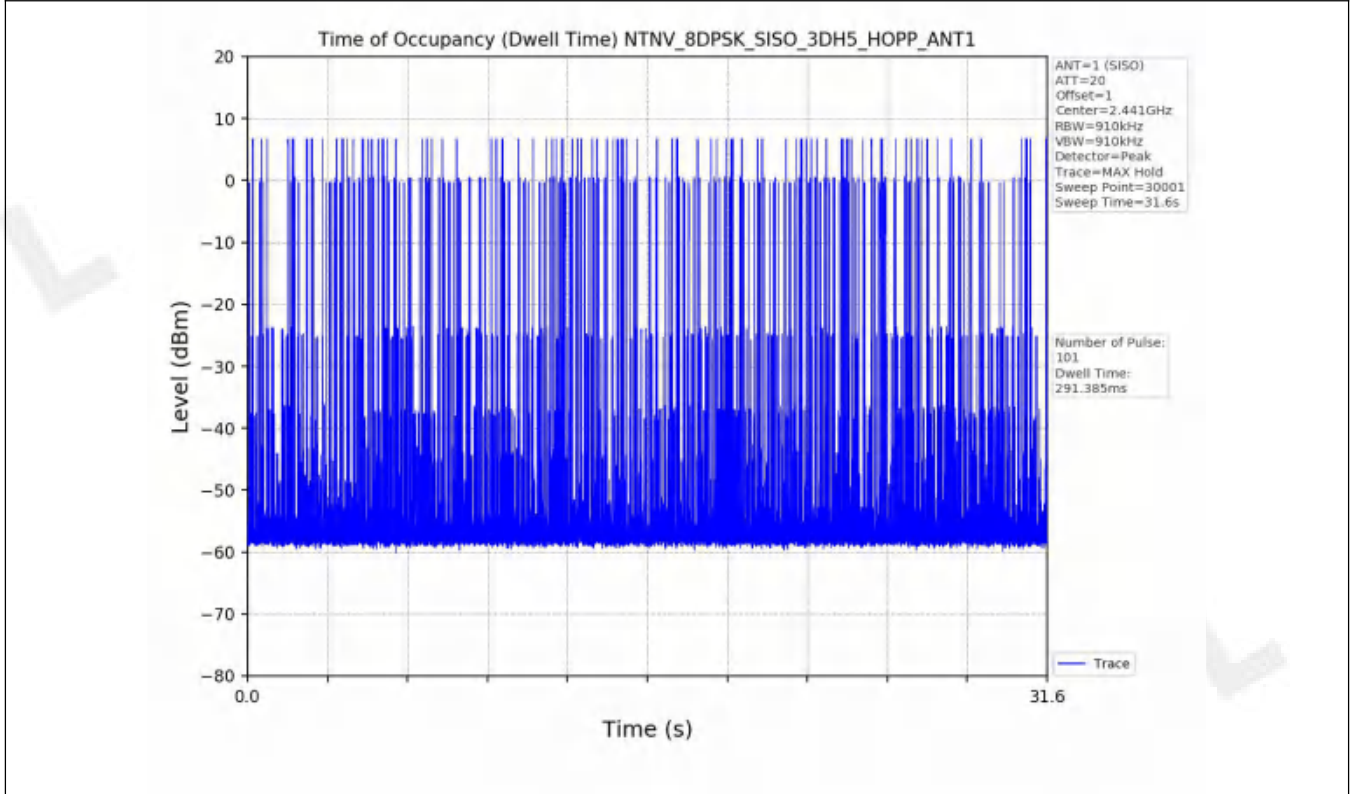
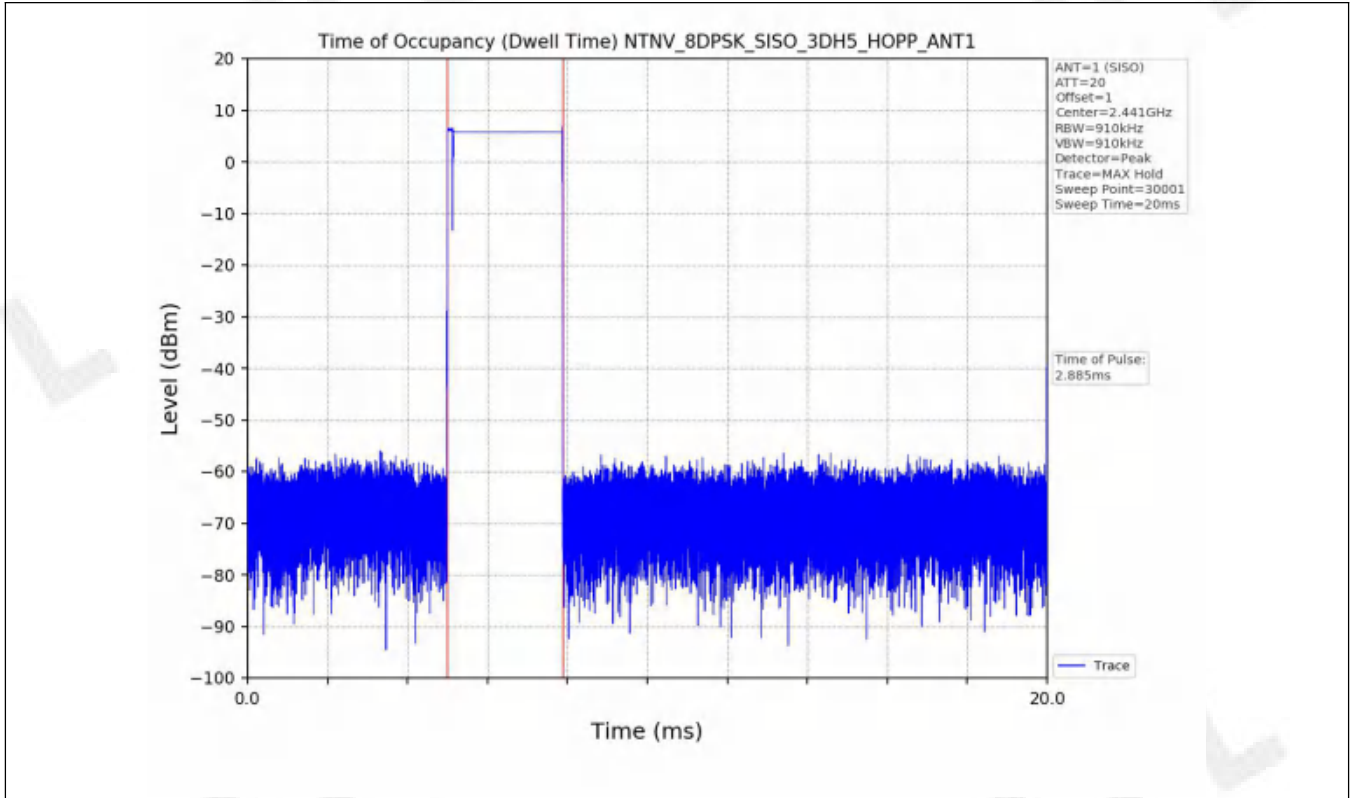












6. Unwanted Emissions in Non-restricted Frequency Bands

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	-12.06	PASS
	2441	SISO	1	Refer to test graph	-12.06	PASS
	2480	SISO	1	Refer to test graph	-12.06	PASS
	Hopping	SISO	1	Refer to test graph	-12.06	PASS
Pi/4DQPSK	2402	SISO	1	Refer to test graph	-13.68	PASS
	2441	SISO	1	Refer to test graph	-13.68	PASS
	2480	SISO	1	Refer to test graph	-13.68	PASS
	Hopping	SISO	1	Refer to test graph	-13.68	PASS
8DPSK	2402	SISO	1	Refer to test graph	-13.61	PASS
	2441	SISO	1	Refer to test graph	-13.61	PASS
	2480	SISO	1	Refer to test graph	-13.61	PASS
	Hopping	SISO	1	Refer to test graph	-13.61	PASS

6.2 Test Graph

