

Appendix for 15.247

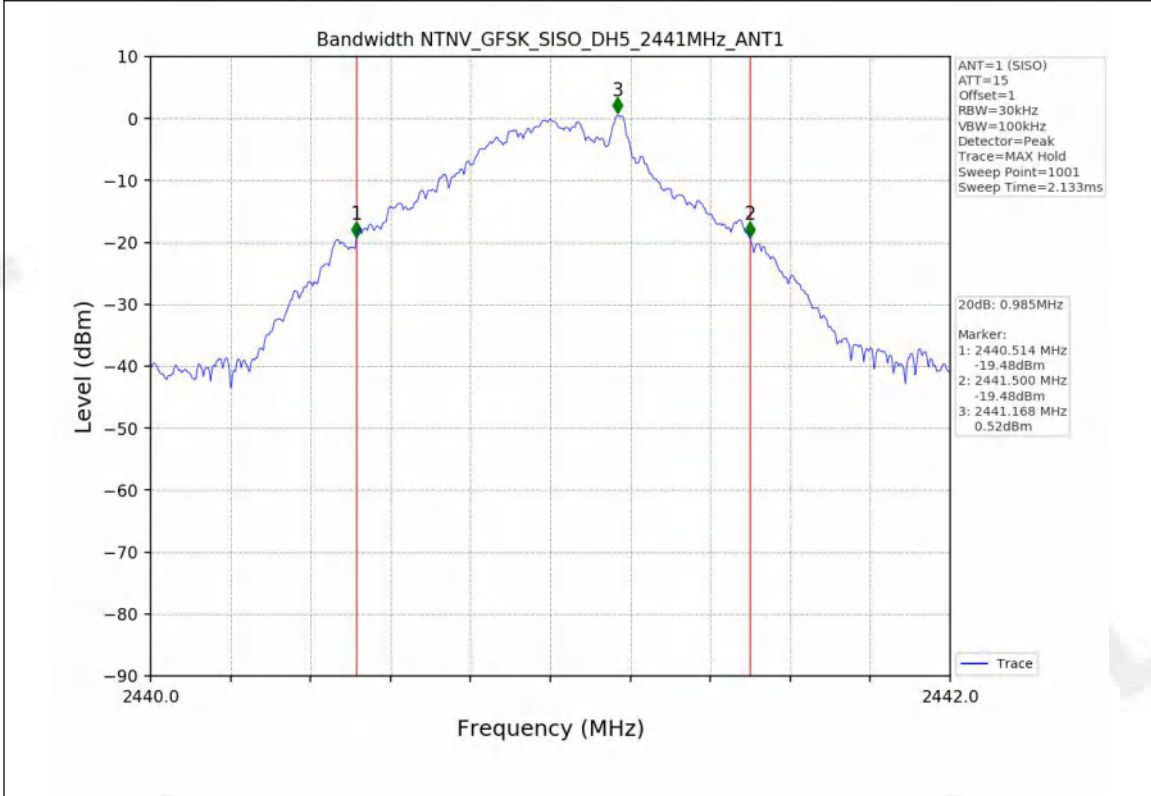
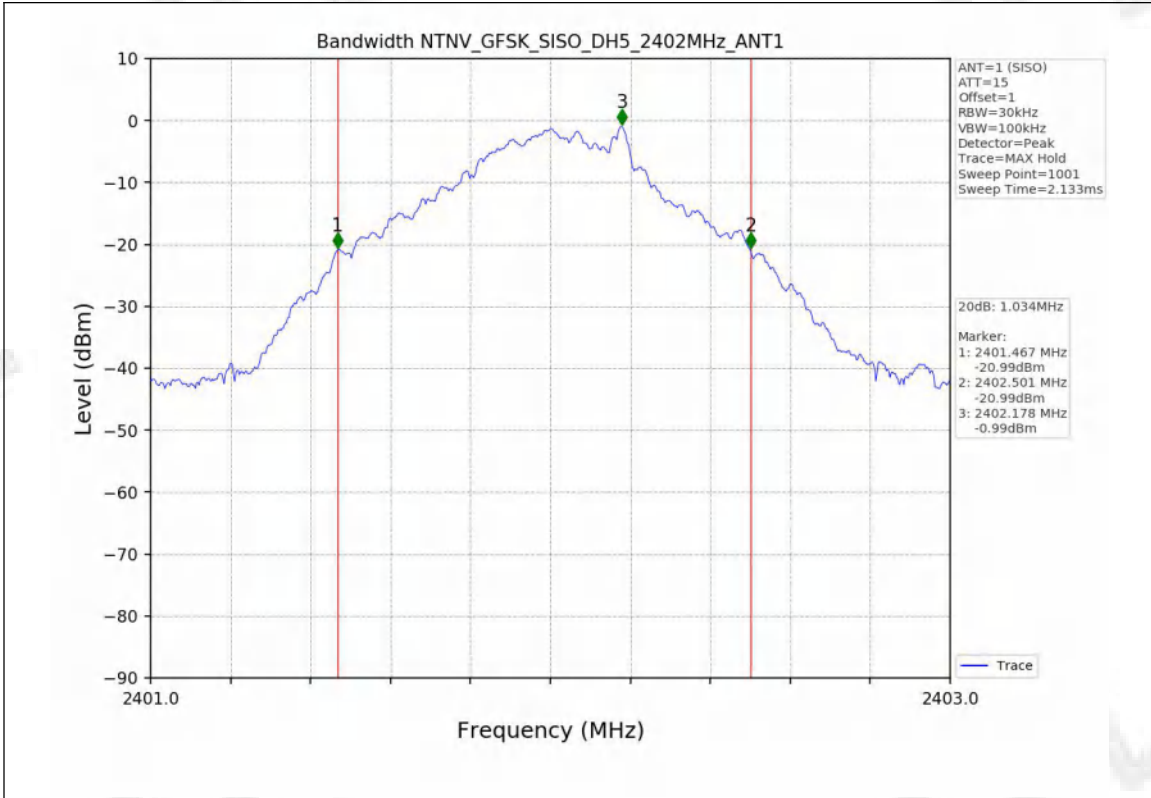
1. Bandwidth

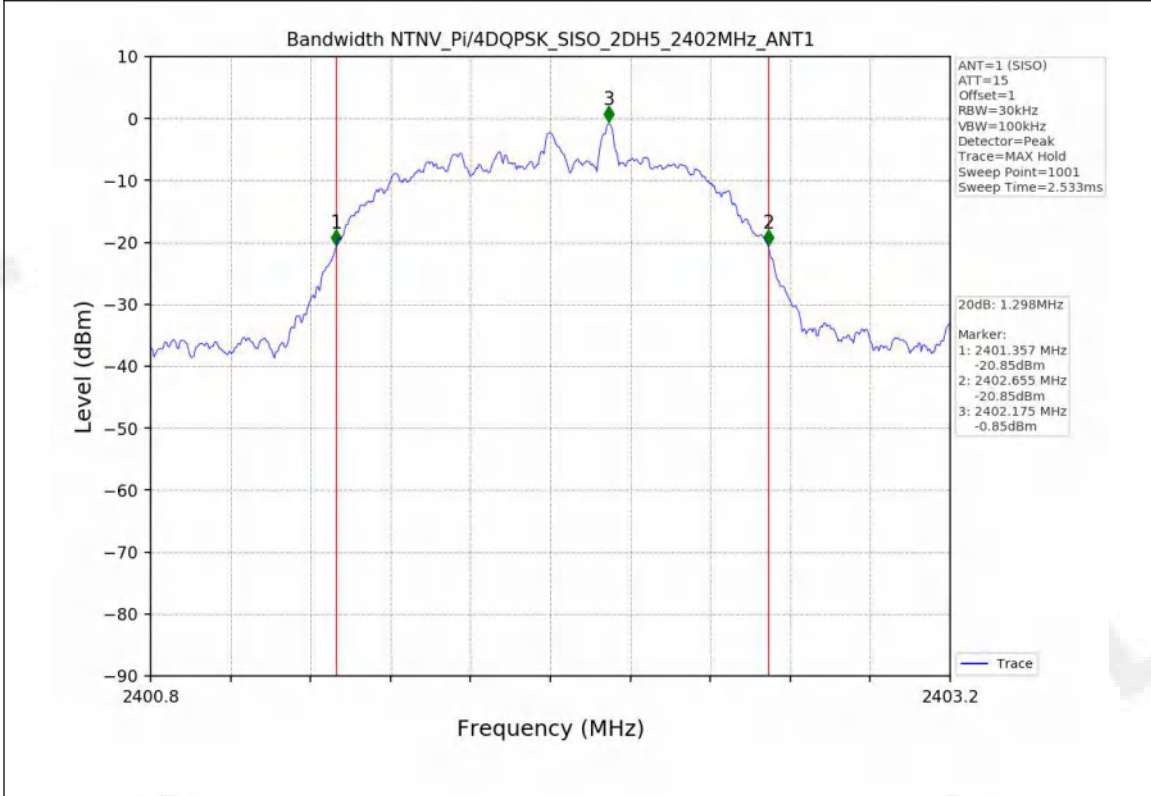
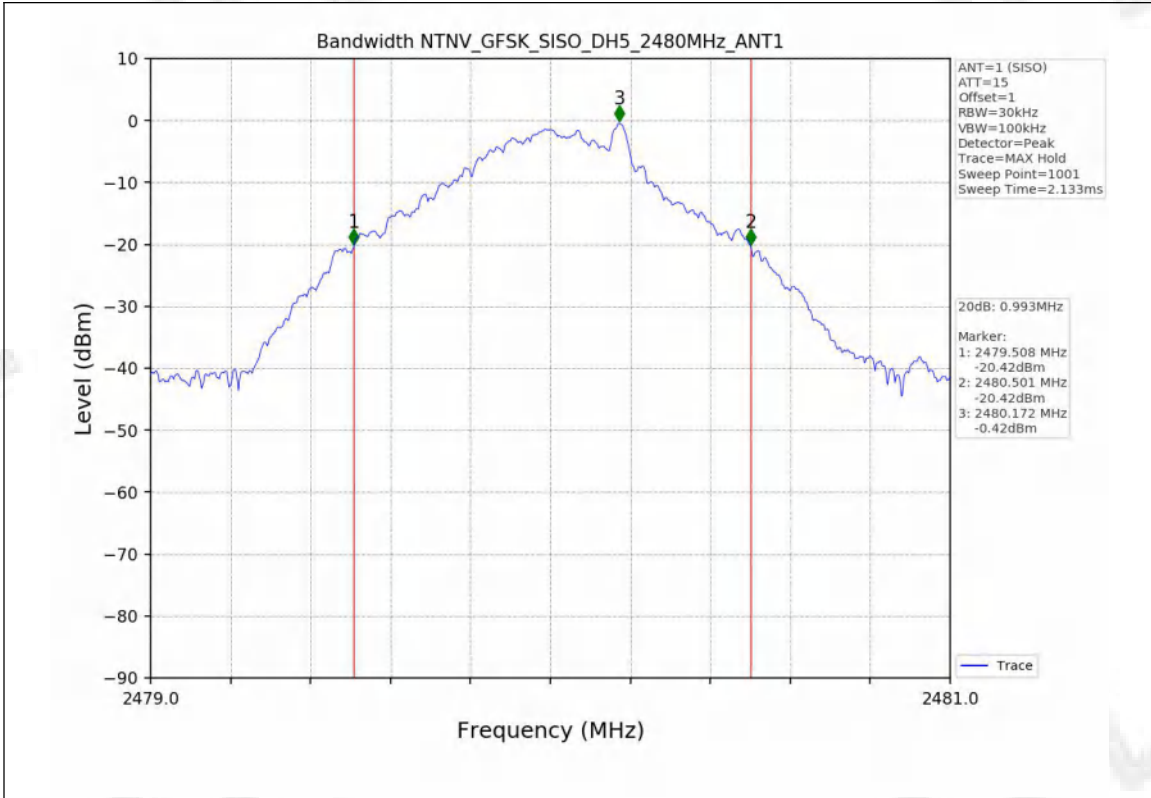
1.1 Test Result

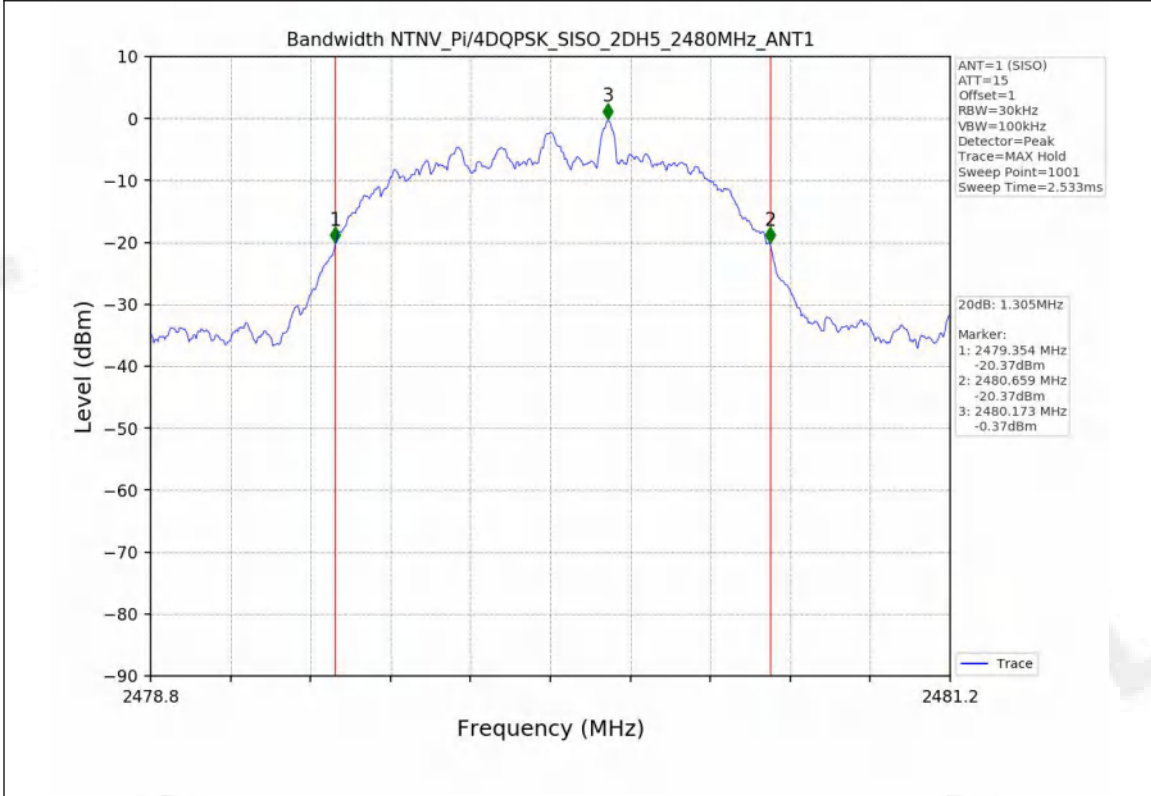
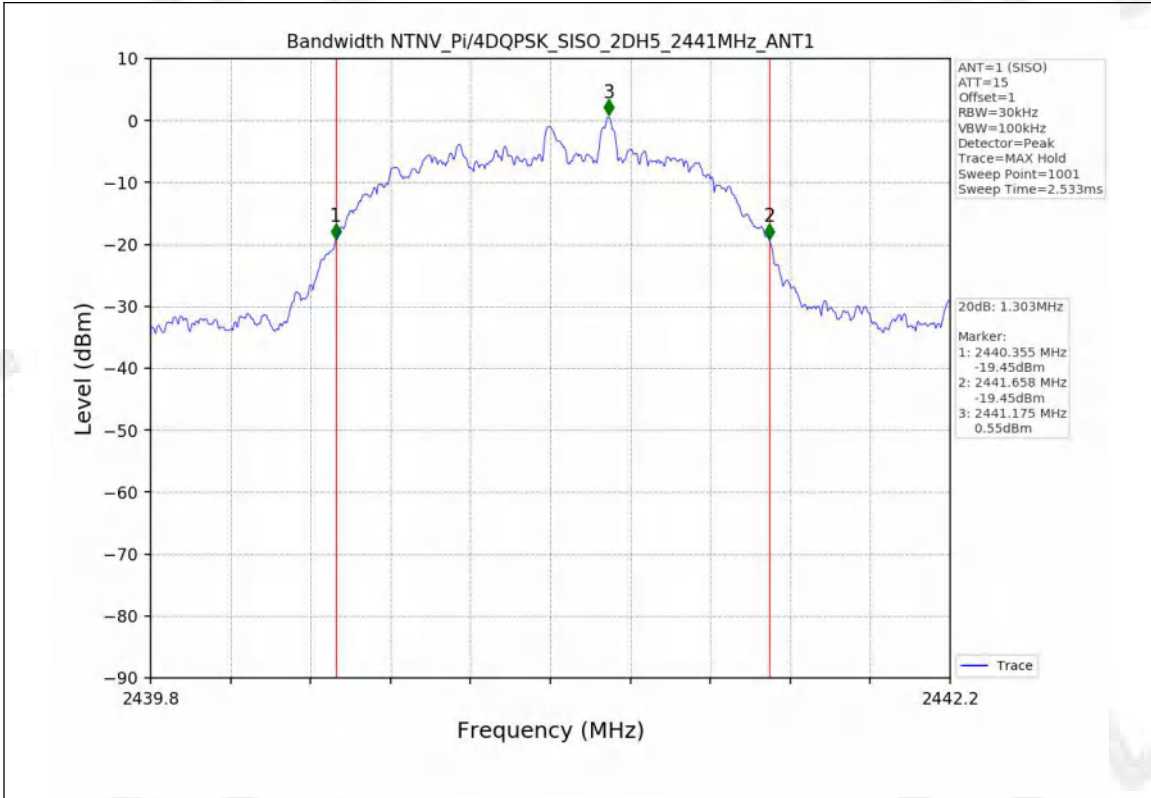
Test Mode	Frequency (MHz)	TX Type	ANT No.	20dB Bandwidth	Verdict
				Test Result (MHz)	
GFSK	2402	SISO	1	1.034	PASS
	2441	SISO	1	0.985	PASS
	2480	SISO	1	0.993	PASS
Pi/4DQPSK	2402	SISO	1	1.298	PASS
	2441	SISO	1	1.303	PASS
	2480	SISO	1	1.305	PASS
8DPSK	2402	SISO	1	1.285	PASS
	2441	SISO	1	1.301	PASS
	2480	SISO	1	1.299	PASS

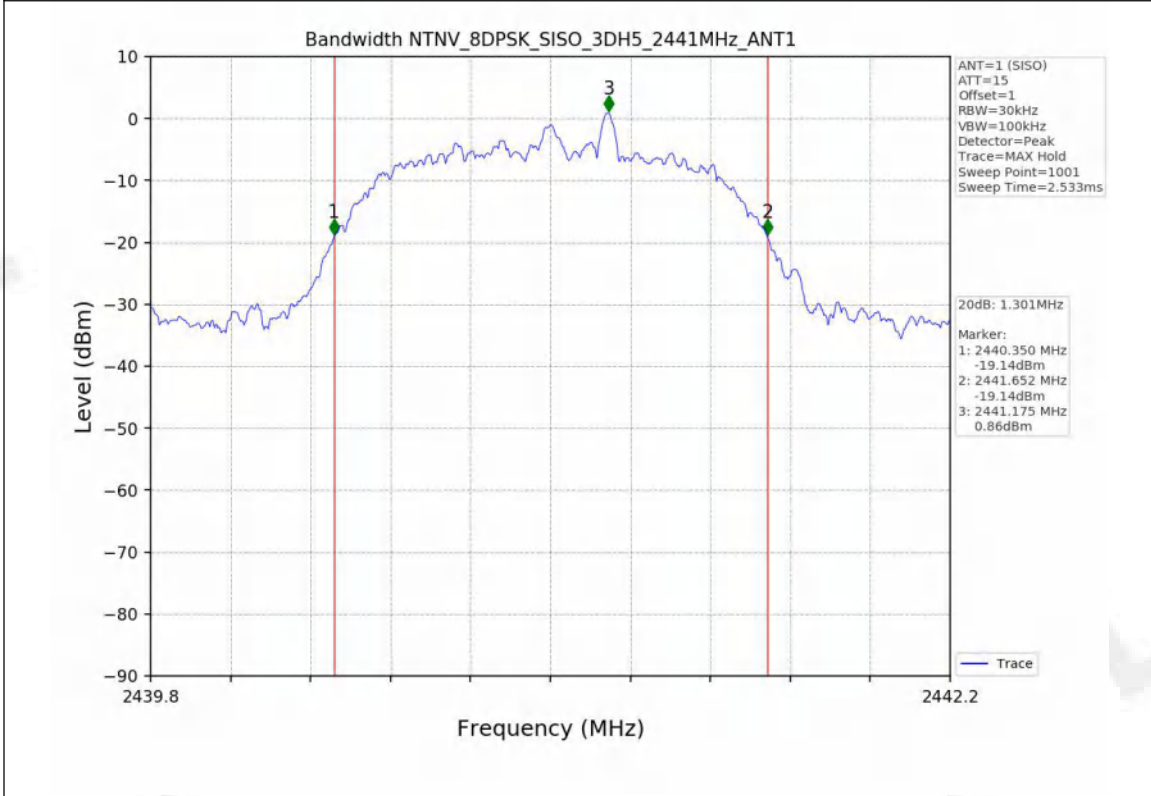
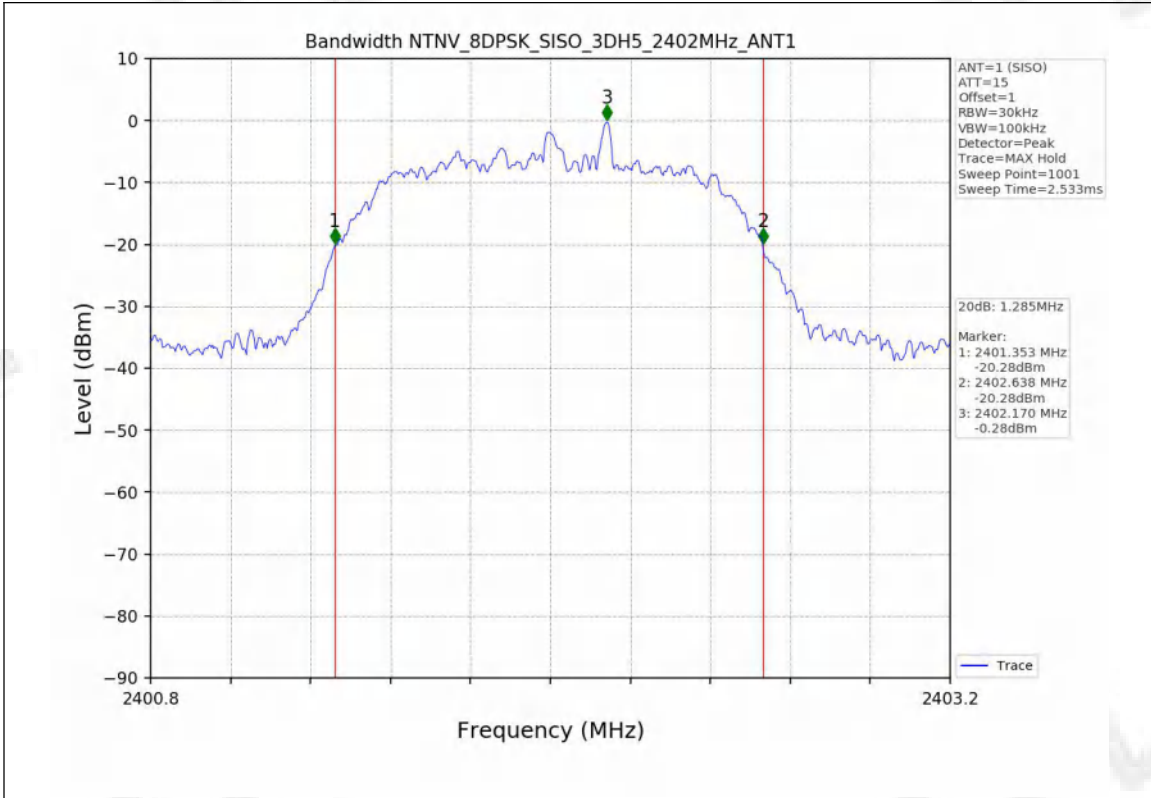
Test Mode	Frequency (MHz)	TX Type	ANT No.	99% Occupied Bandwidth	
				Test Result (MHz)	
GFSK	2402	SISO	1	0.916	Only for Report Use
	2441	SISO	1	0.920	Only for Report Use
	2480	SISO	1	0.920	Only for Report Use
Pi/4DQPSK	2402	SISO	1	1.195	Only for Report Use
	2441	SISO	1	1.220	Only for Report Use
	2480	SISO	1	1.207	Only for Report Use
8DPSK	2402	SISO	1	1.194	Only for Report Use
	2441	SISO	1	1.212	Only for Report Use
	2480	SISO	1	1.198	Only for Report Use

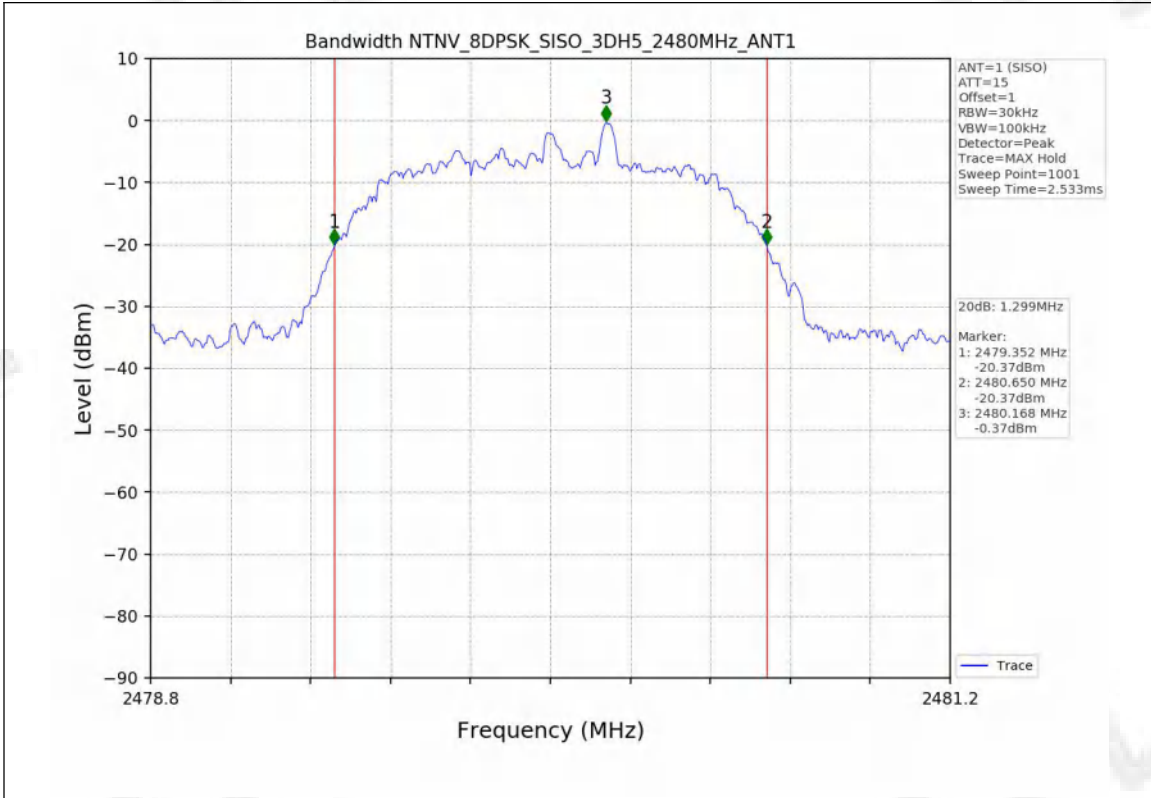
1.2 Test Graph - 20dB Bandwidth



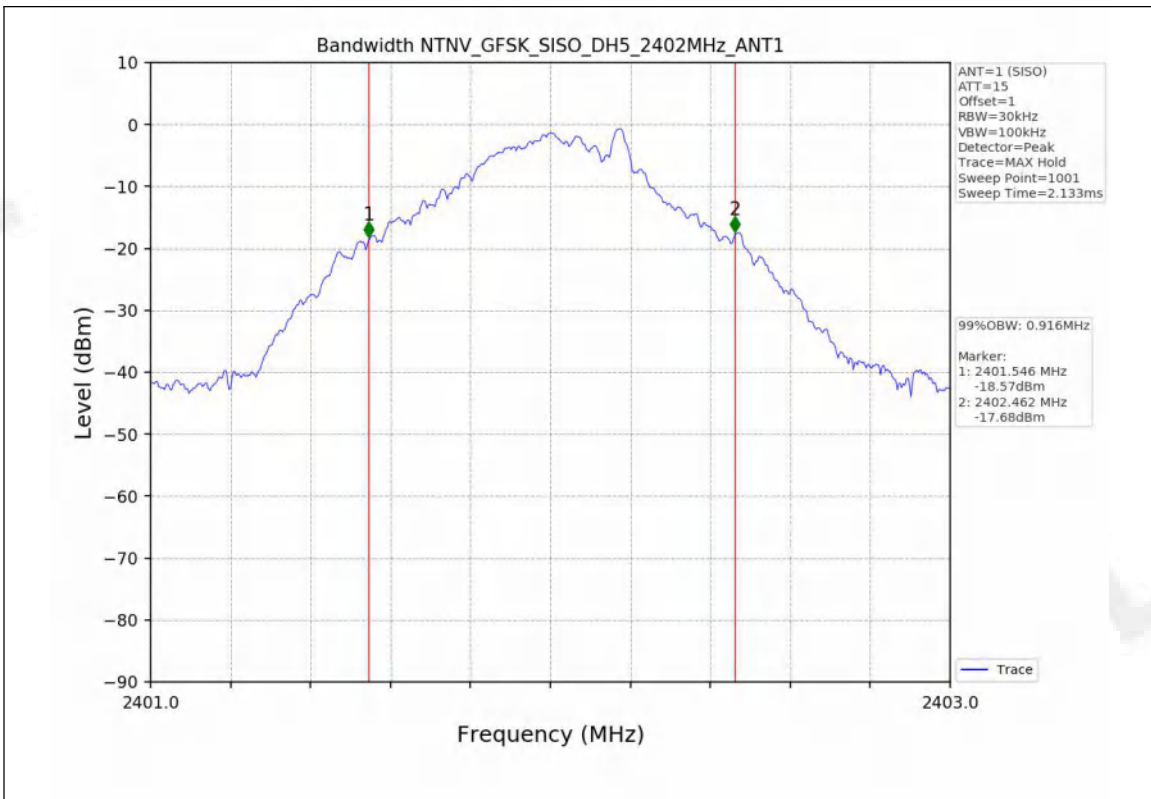


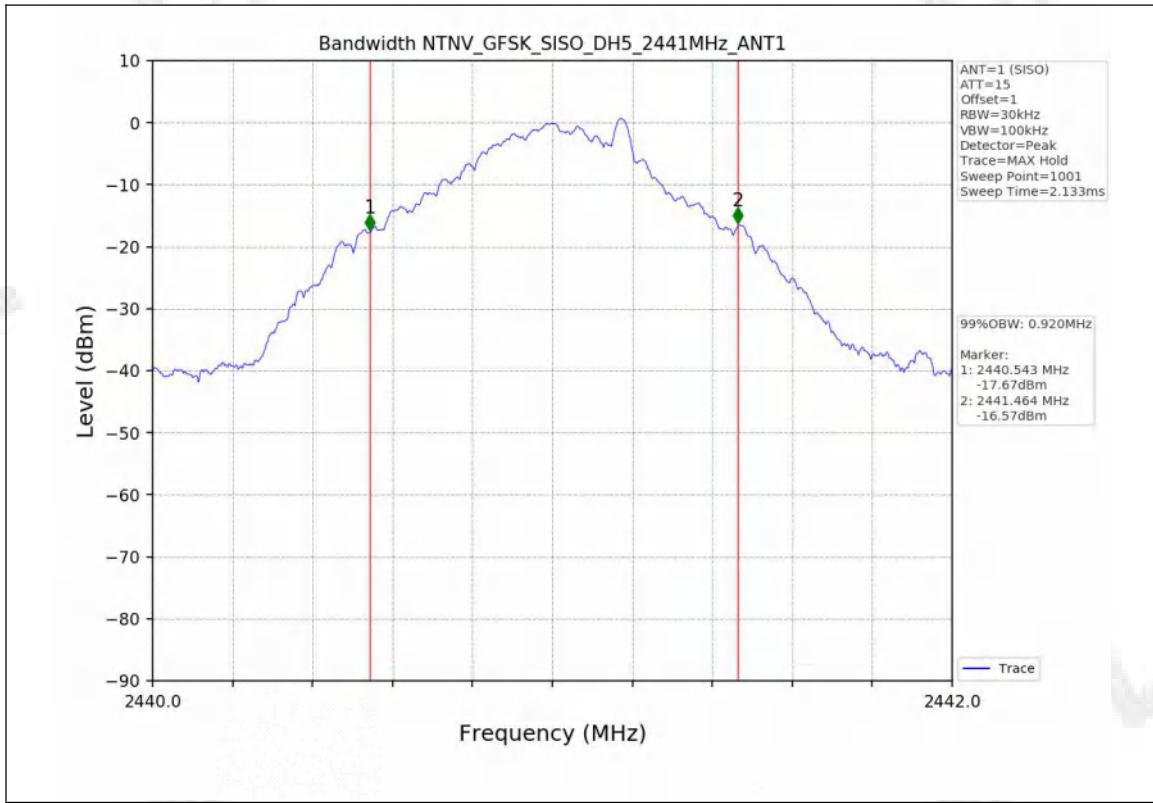


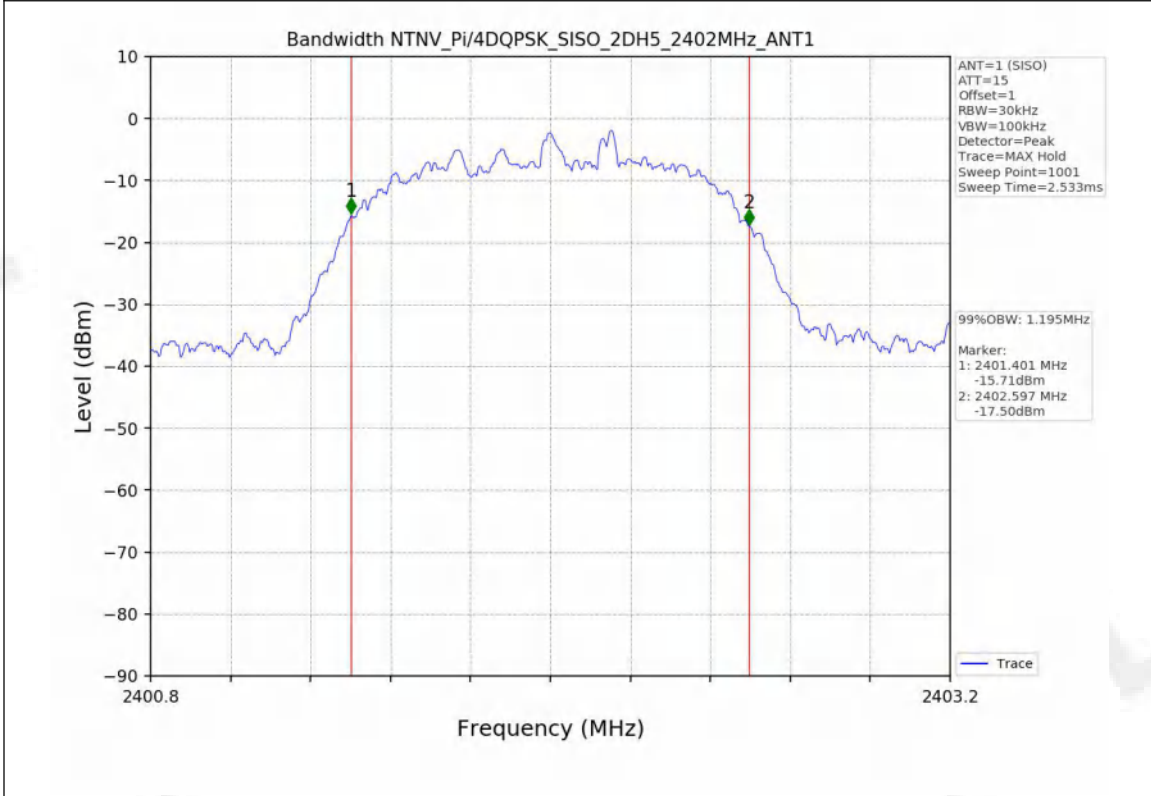
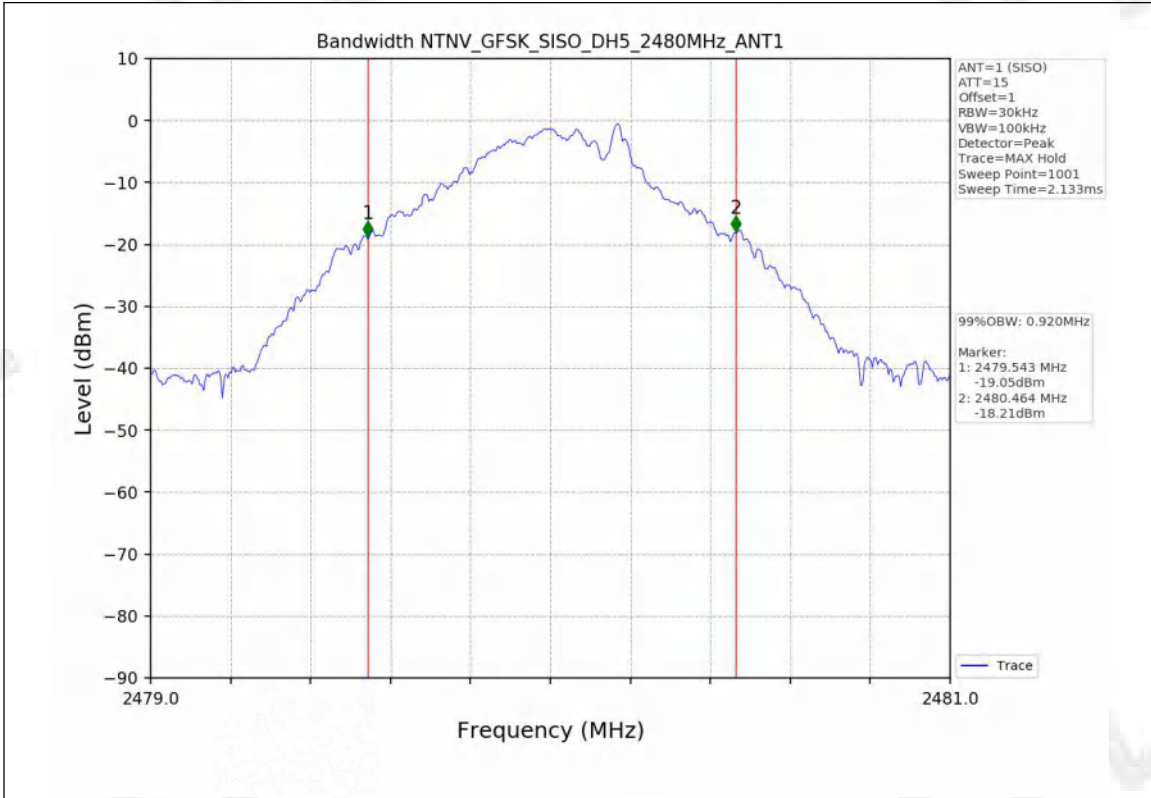


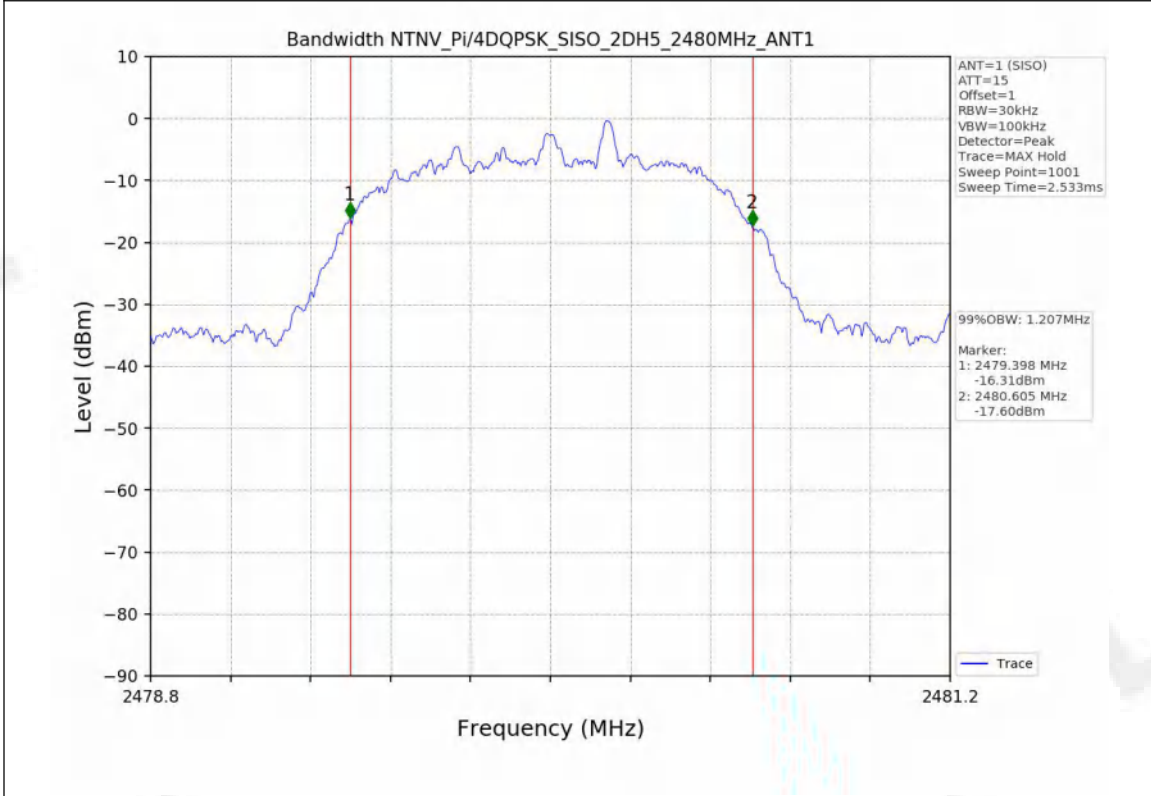
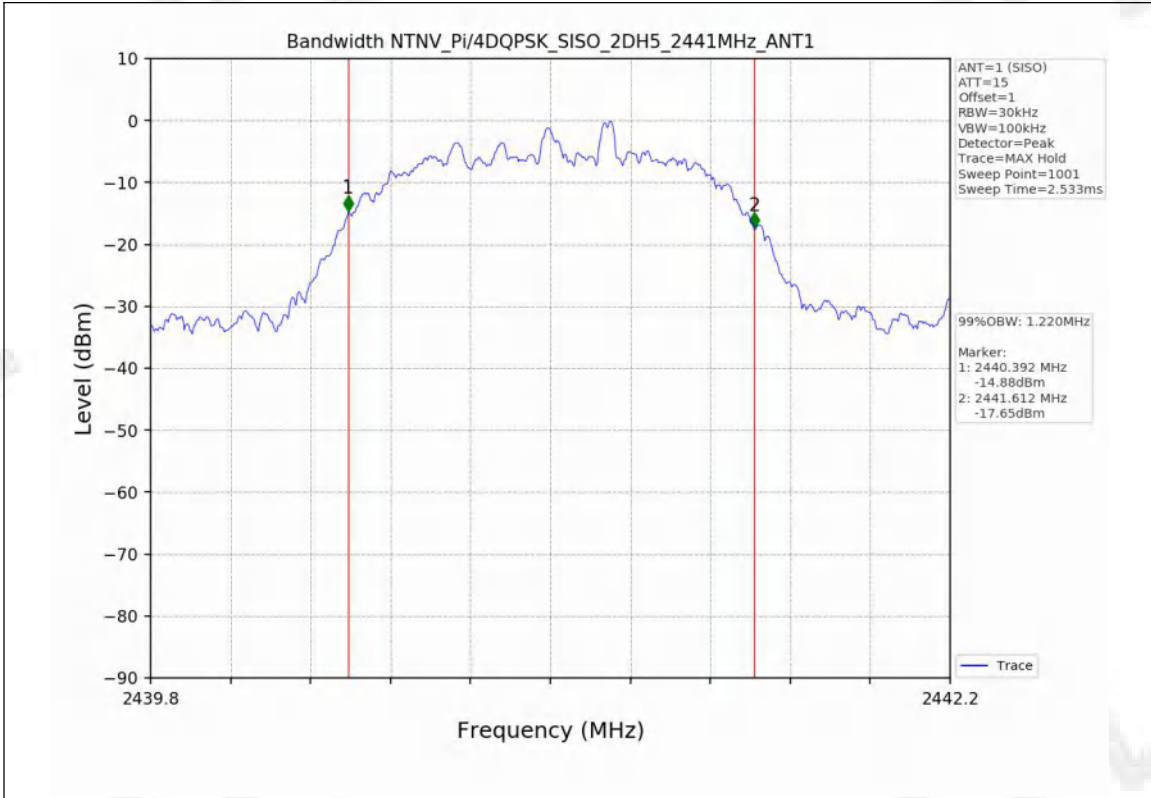


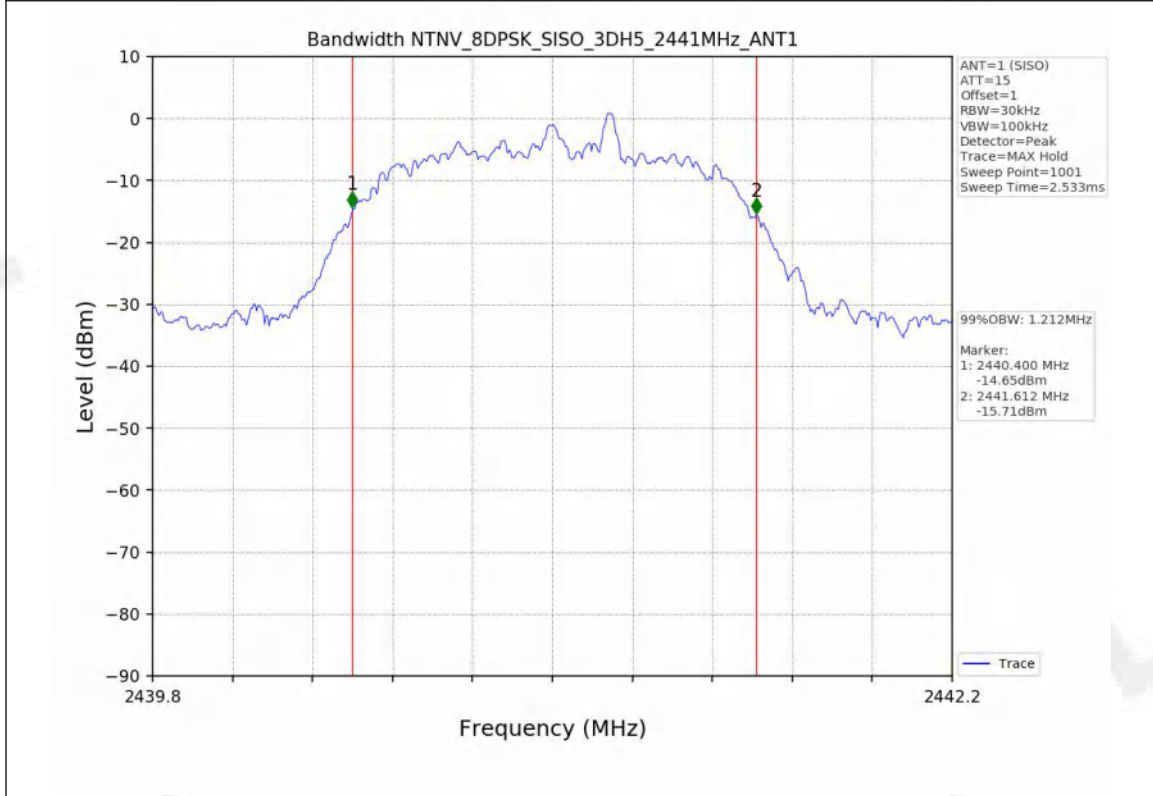
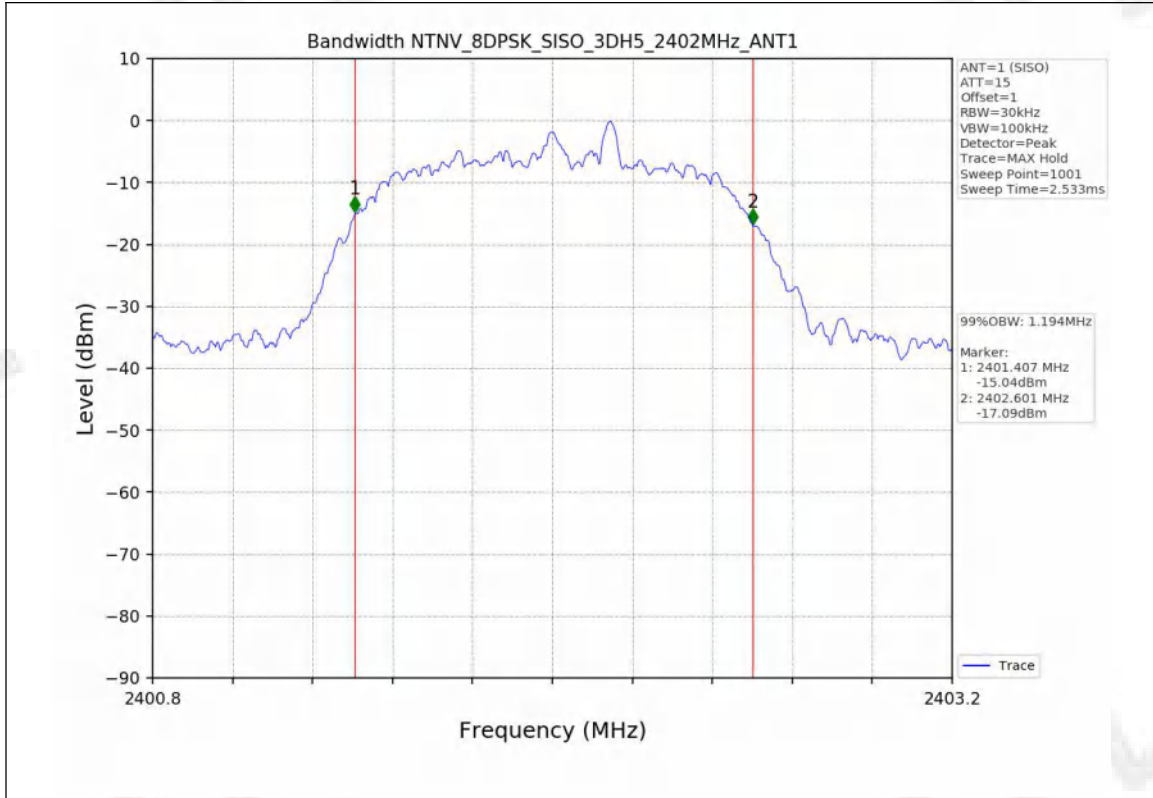
1.3 Test Graph - 99% Occupied Bandwidth

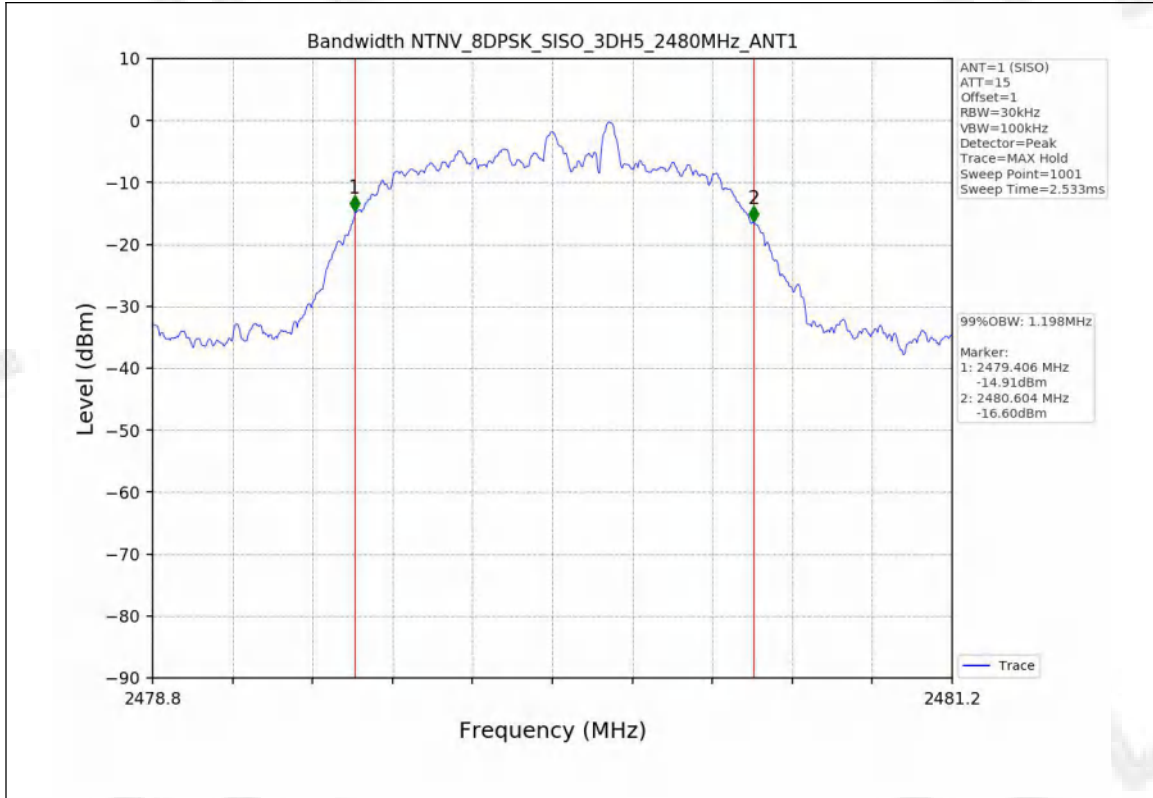










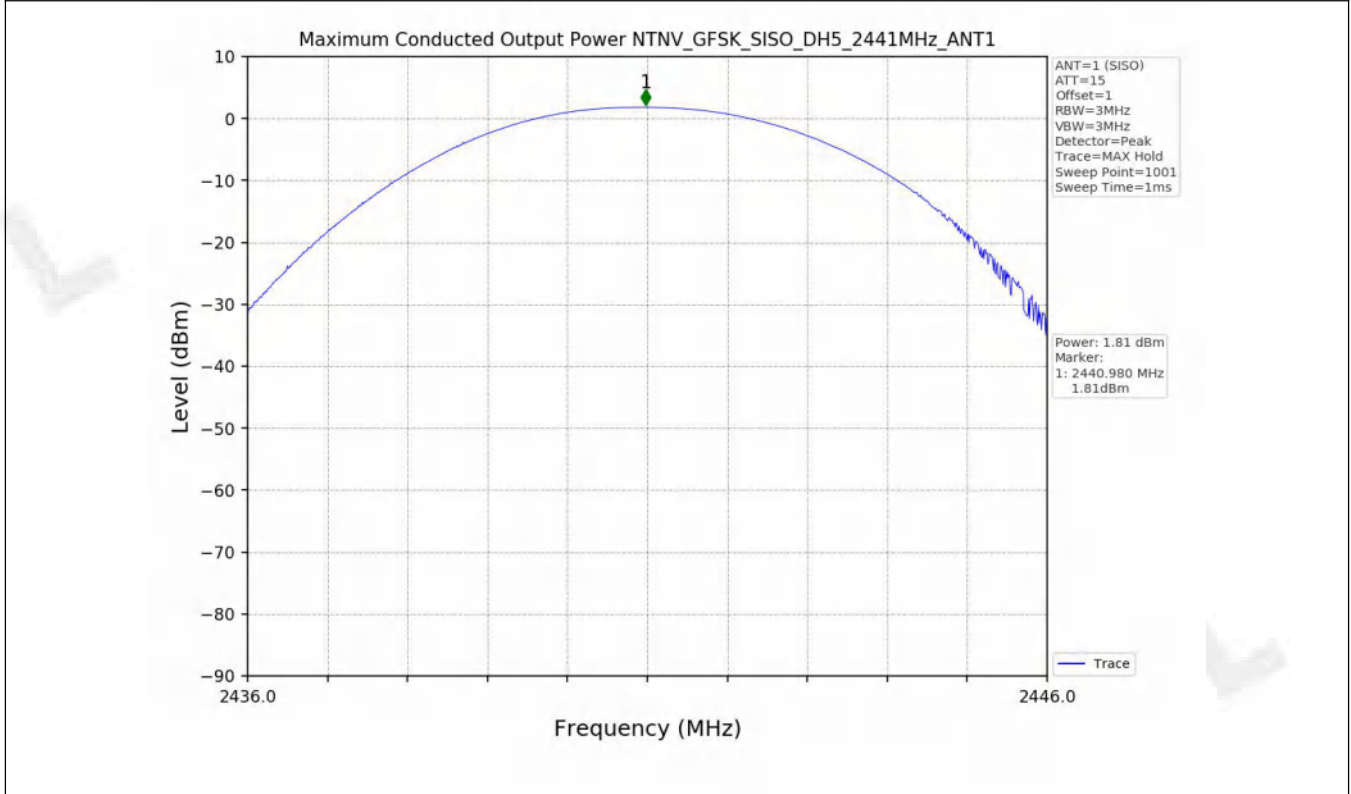
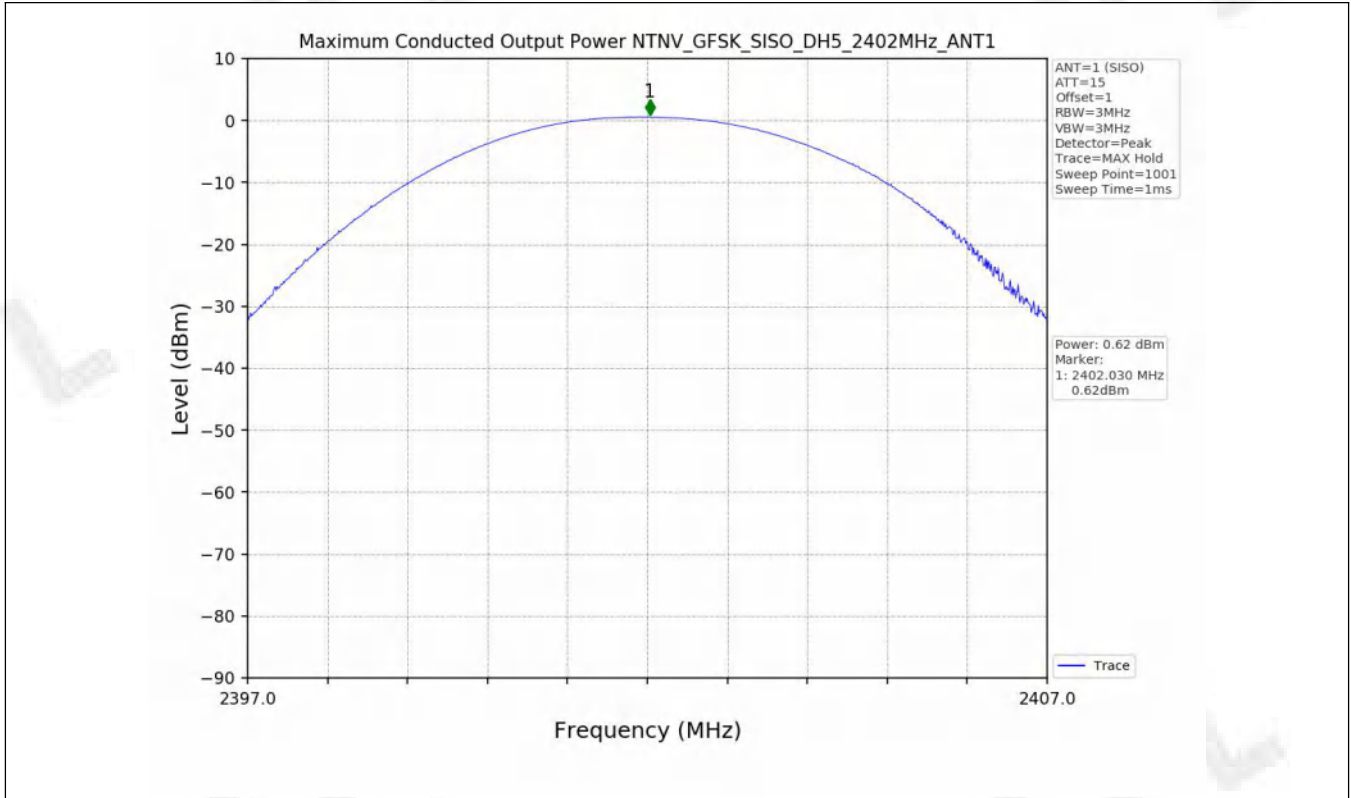


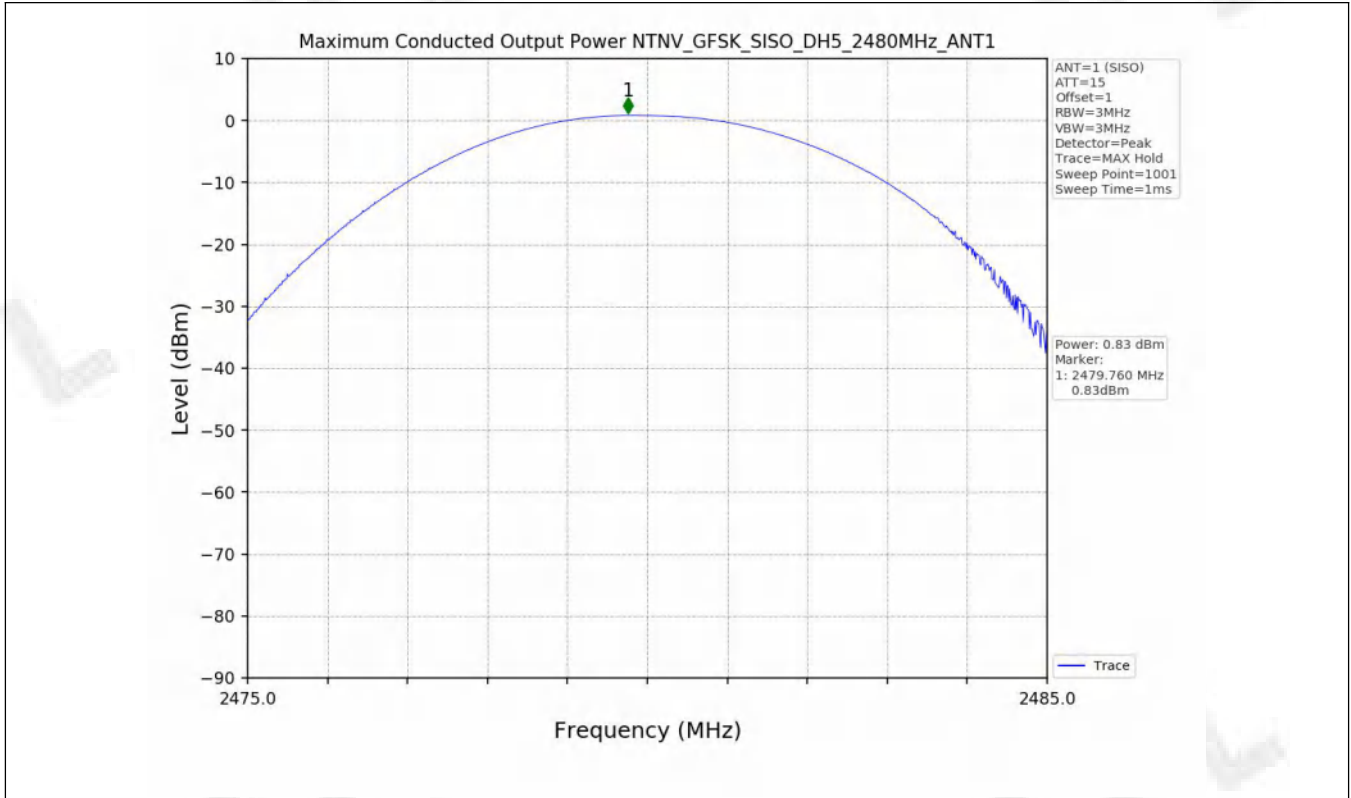
2. Maximum Conducted Output Power

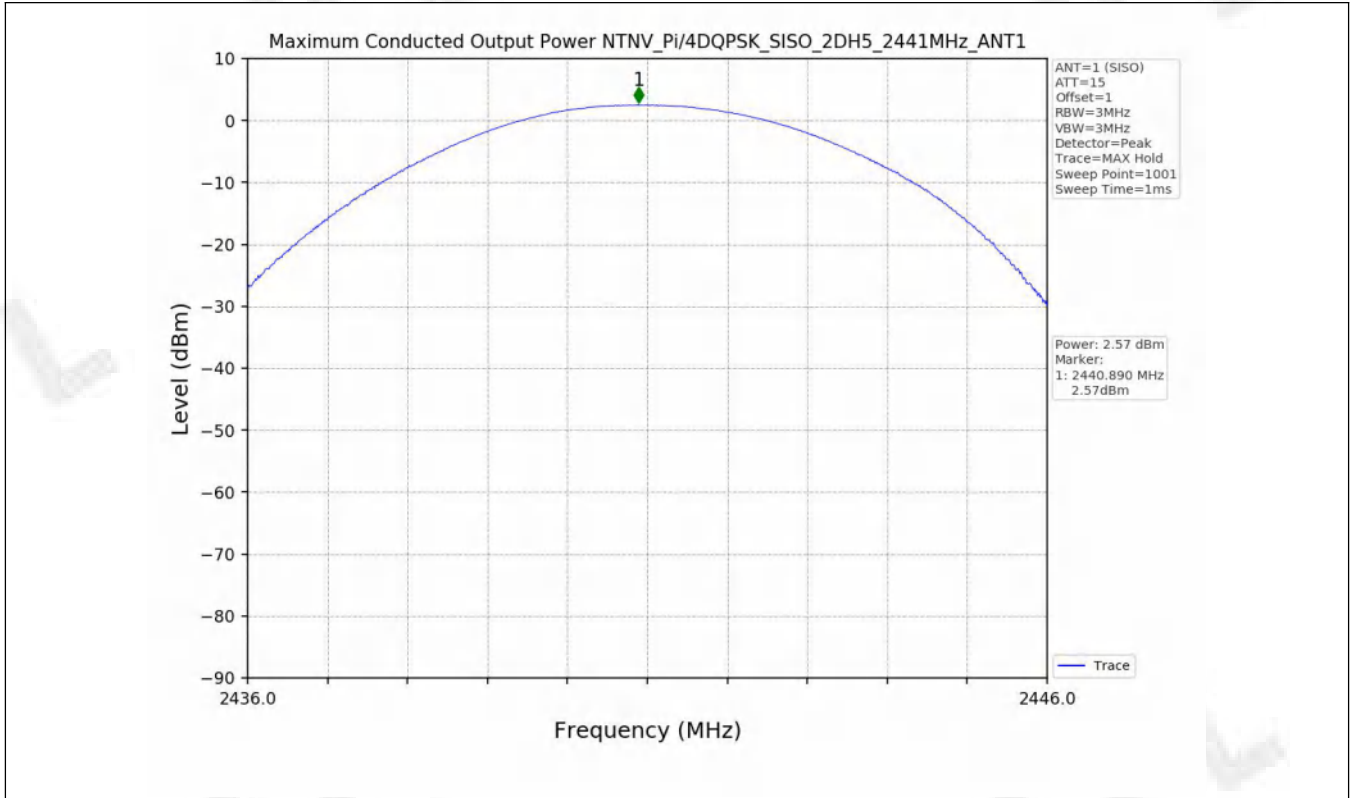
2.1 Test Result

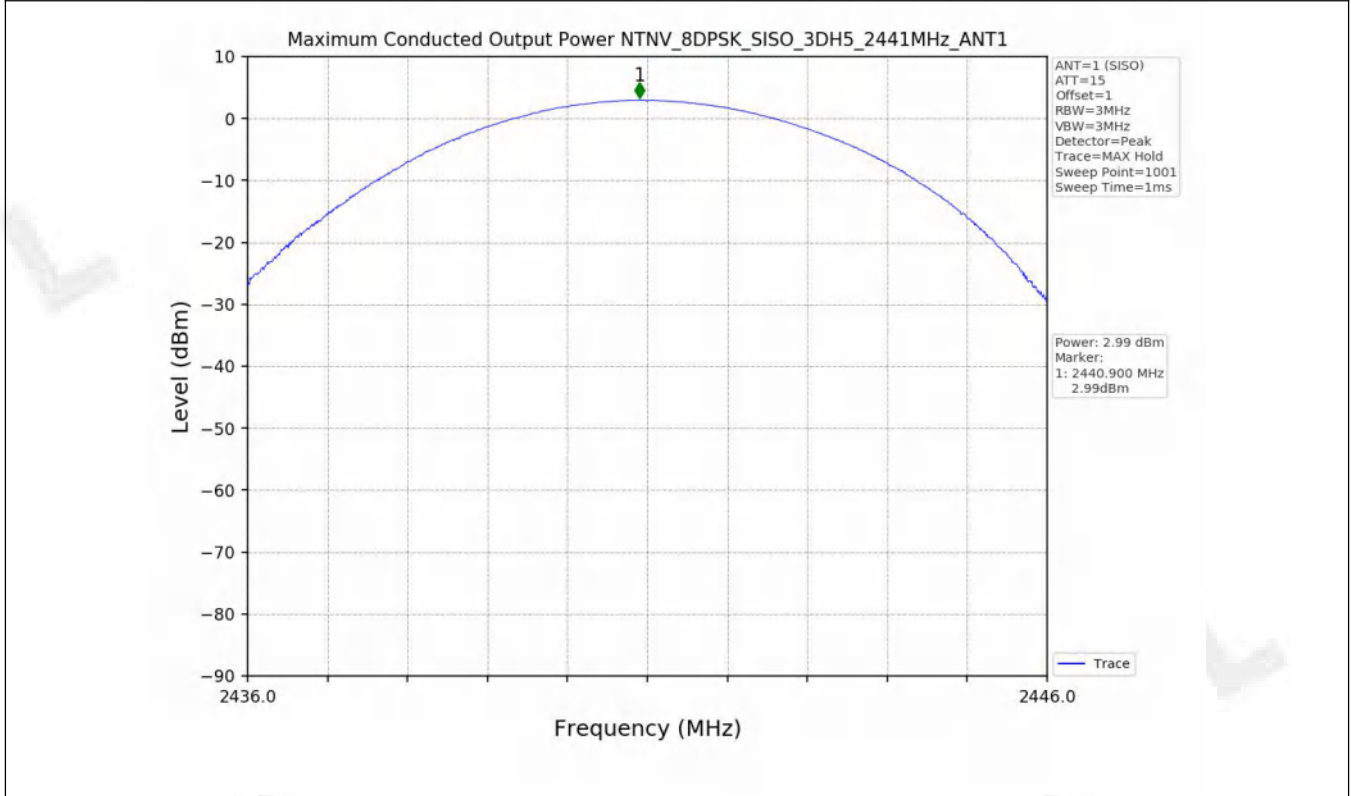
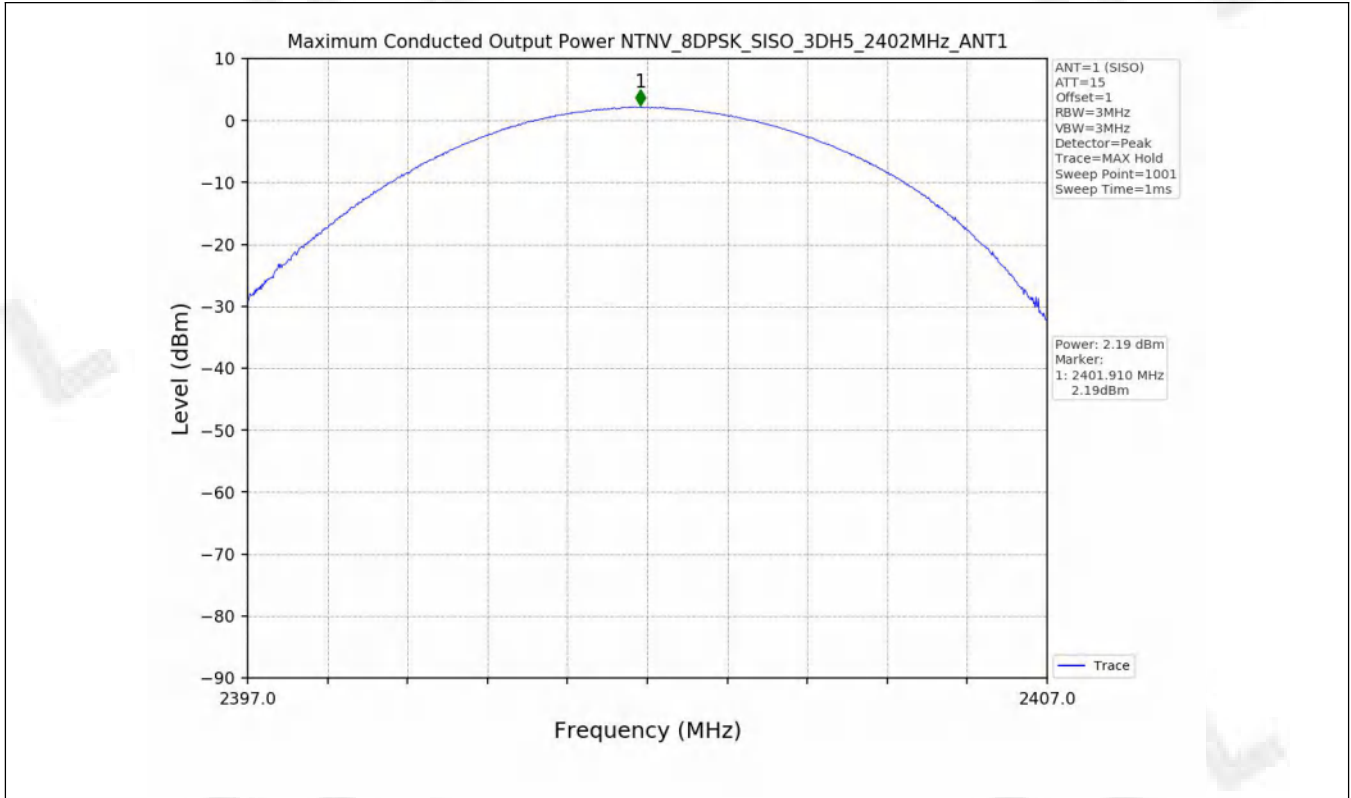
Test Mode	Frequency (MHz)	Tx Type	Measured Peak Output Power (dBm)	Limits (dBm)	Verdict
			Ant 1		
GFSK	2402	SISO	0.62	20.97	PASS
	2441	SISO	1.81	20.97	PASS
	2480	SISO	0.83	20.97	PASS
Pi/4DQPSK	2402	SISO	1.47	20.97	PASS
	2441	SISO	2.57	20.97	PASS
	2480	SISO	1.72	20.97	PASS
8DPSK	2402	SISO	2.19	20.97	PASS
	2441	SISO	2.99	20.97	PASS
	2480	SISO	2.16	20.97	PASS

2.2 Test Graph









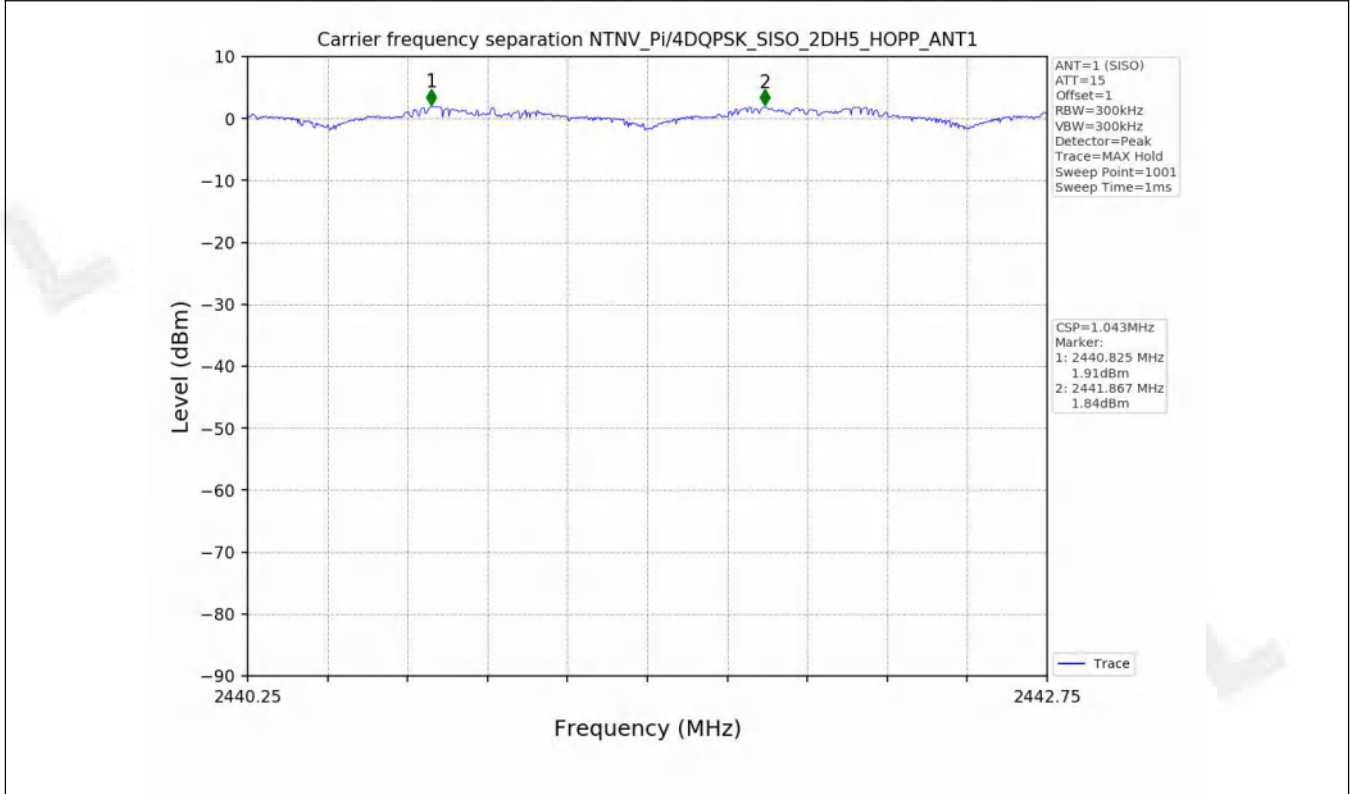
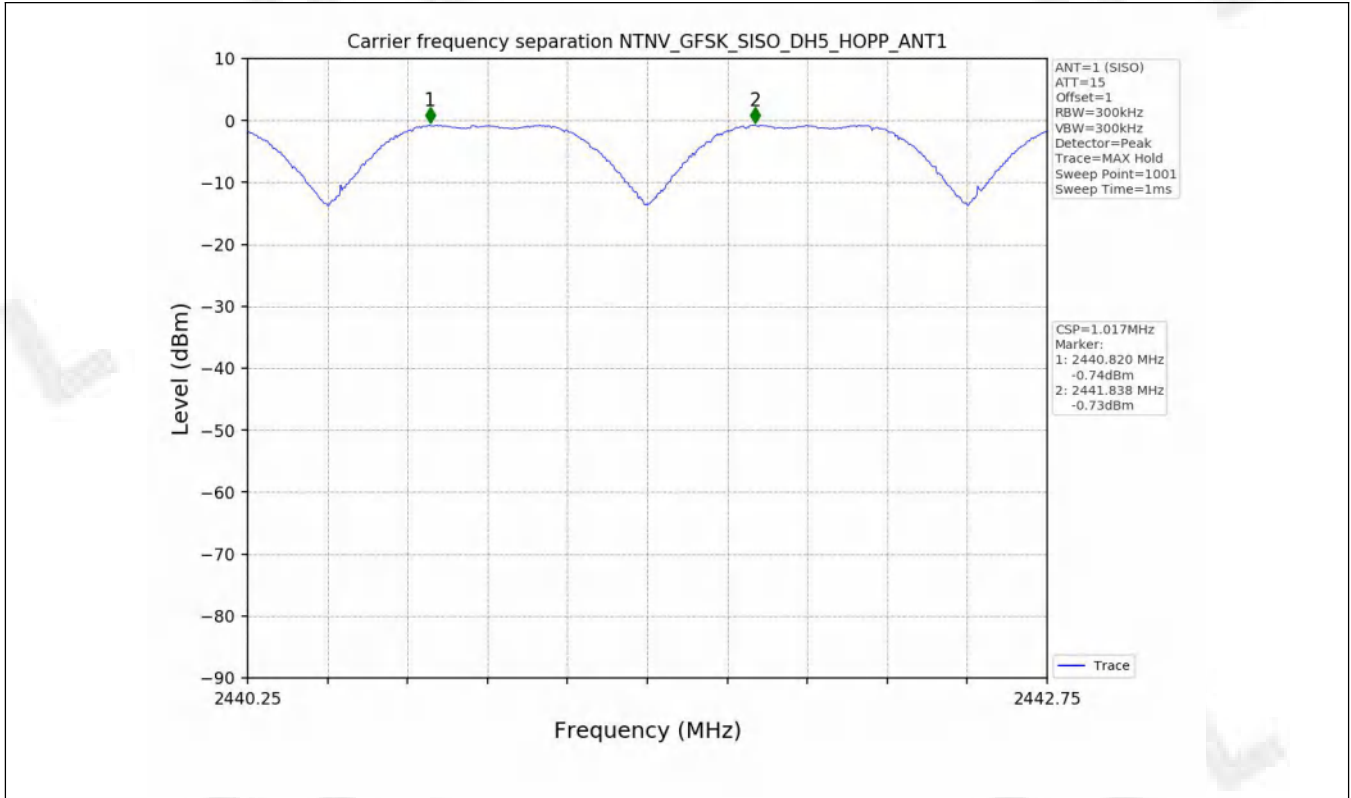


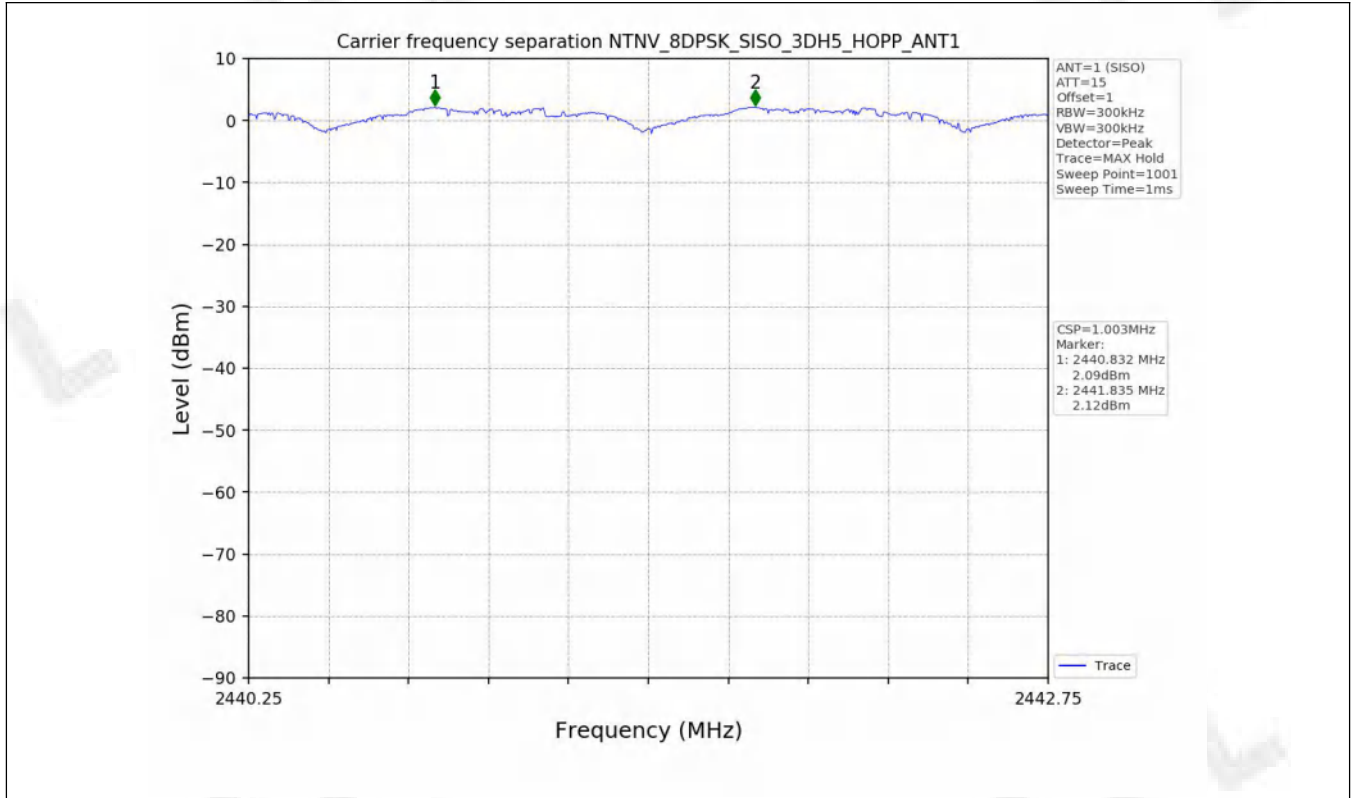
3. Carrier frequency separation

3.1 Test Result

Test Mode	TX Type	ANT No.	Channel Separation (MHz)	20dB Bandwidth (MHz)	Limits (MHz)	Verdict
GFSK	SISO	1	1.017	1.034	≥0.689	PASS
π/4DQPSK	SISO	1	1.043	1.305	≥0.870	PASS
8DPSK	SISO	1	1.003	1.301	≥0.867	PASS

3.2 Test Graph



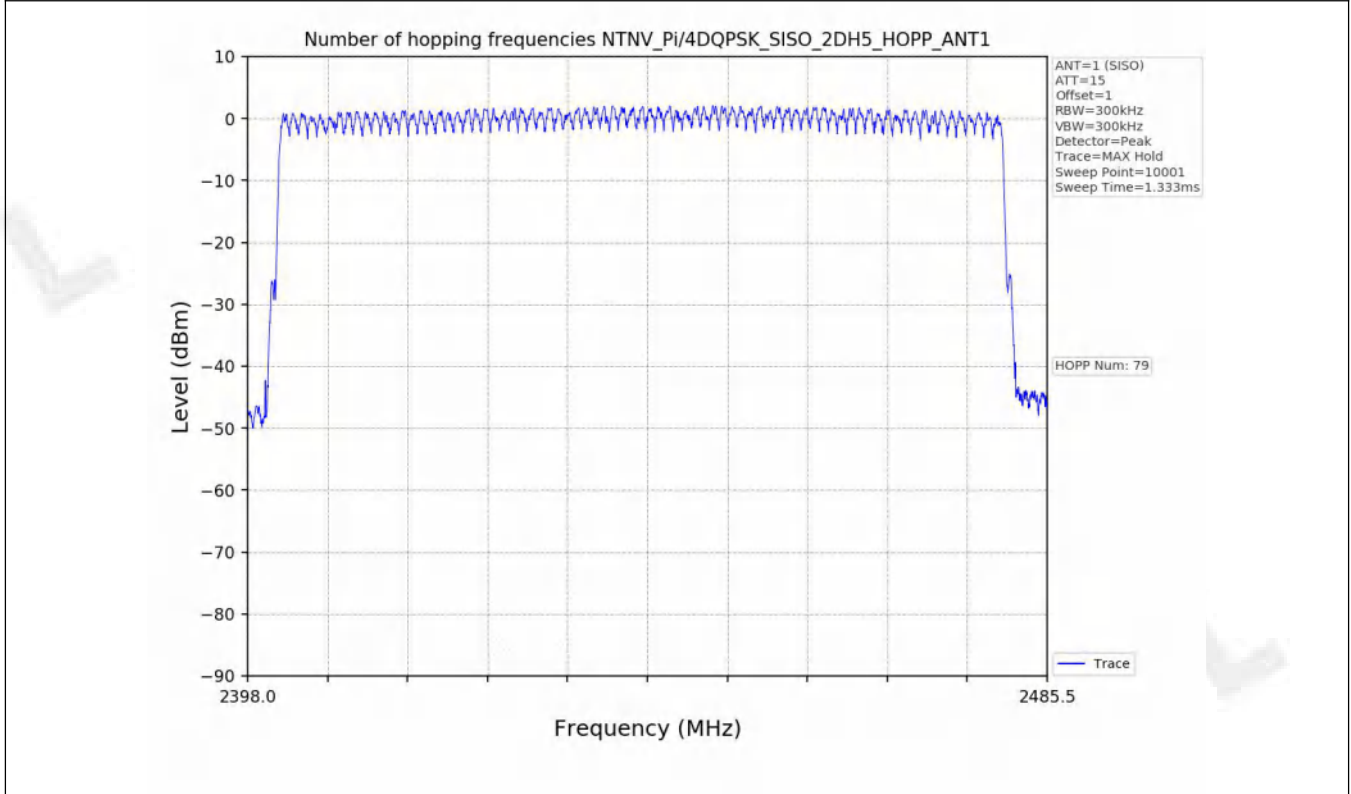
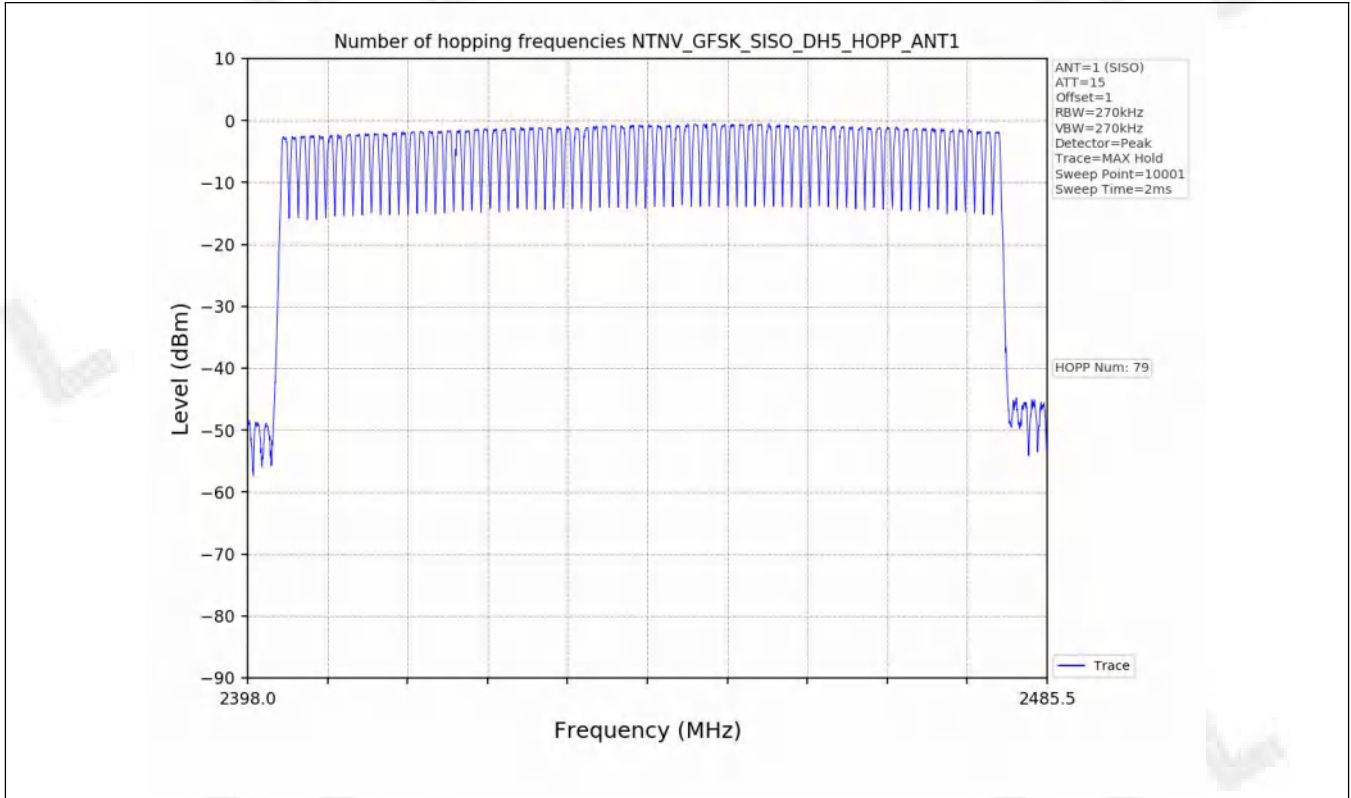


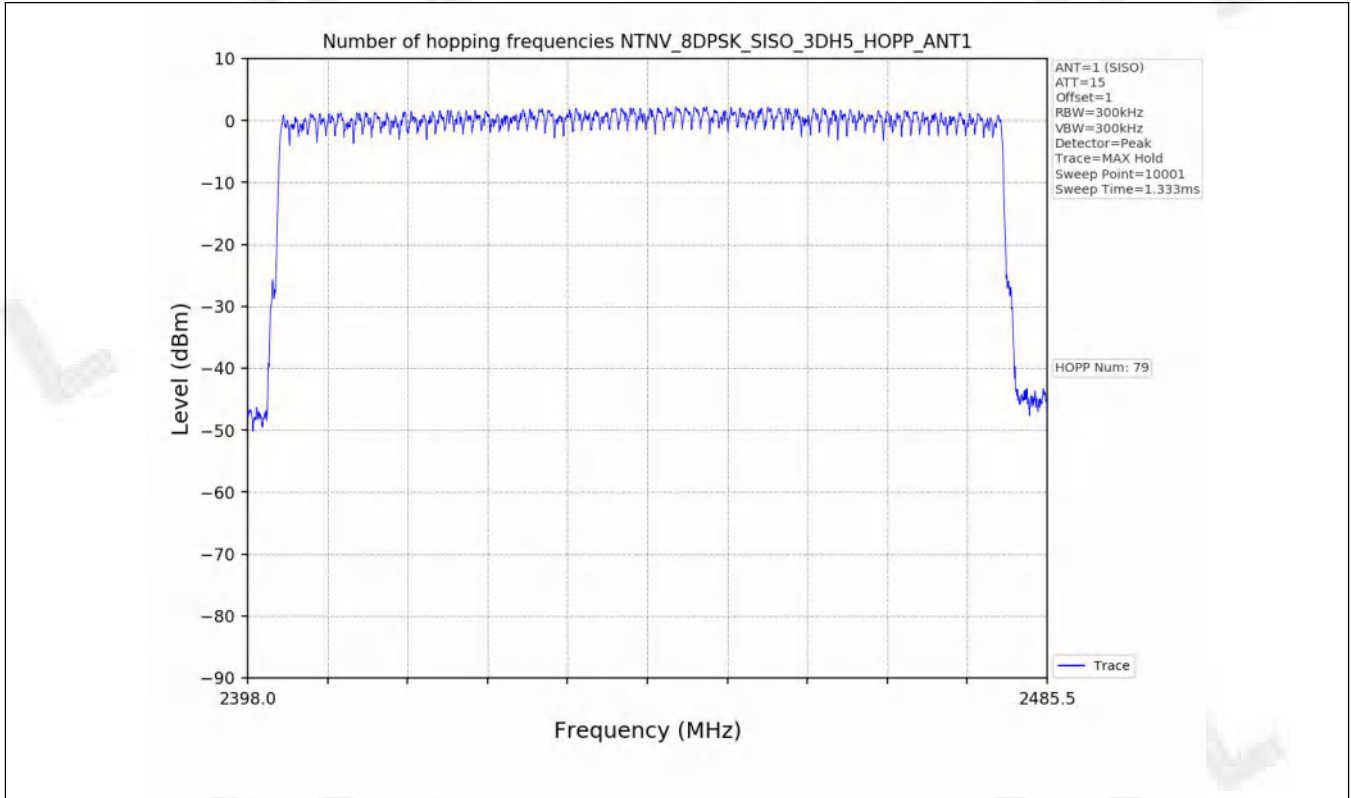
4. Number of hopping frequencies

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



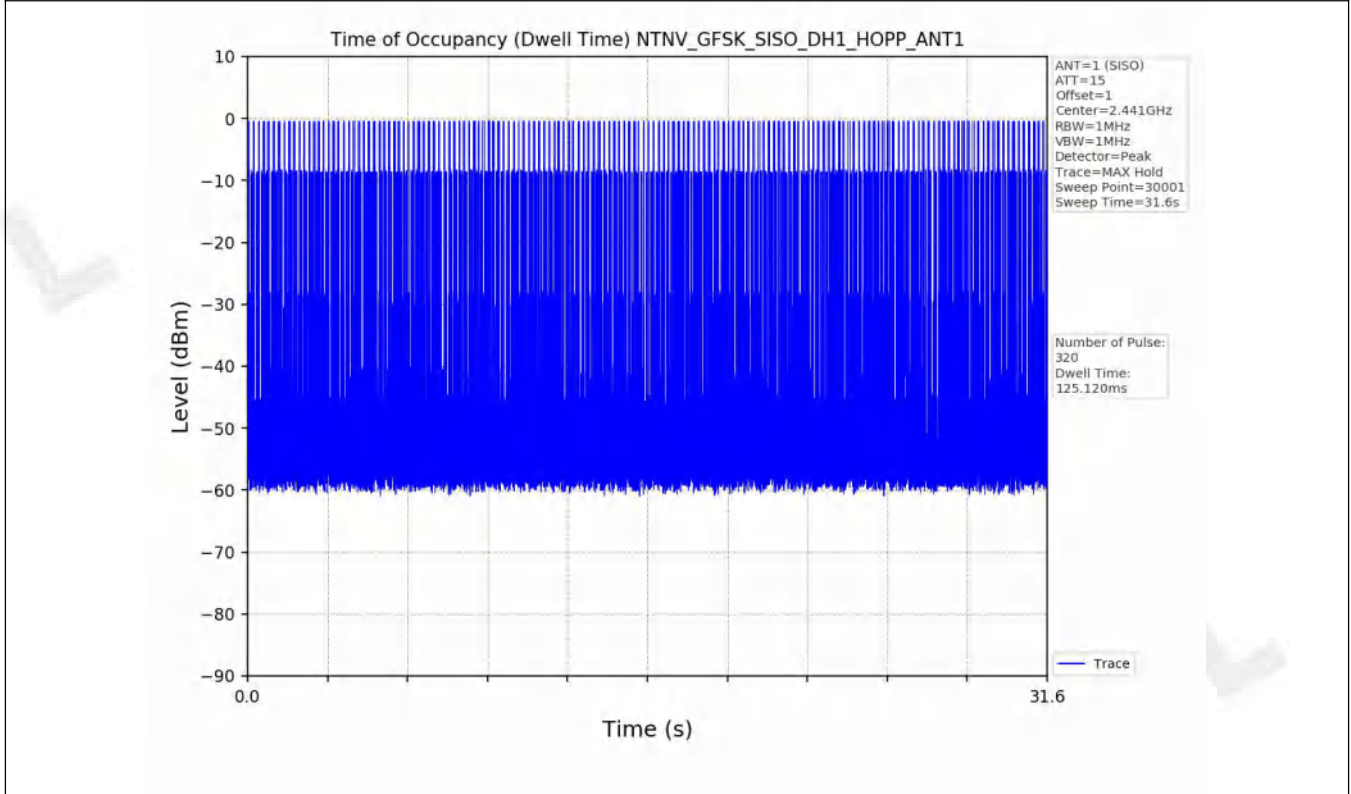
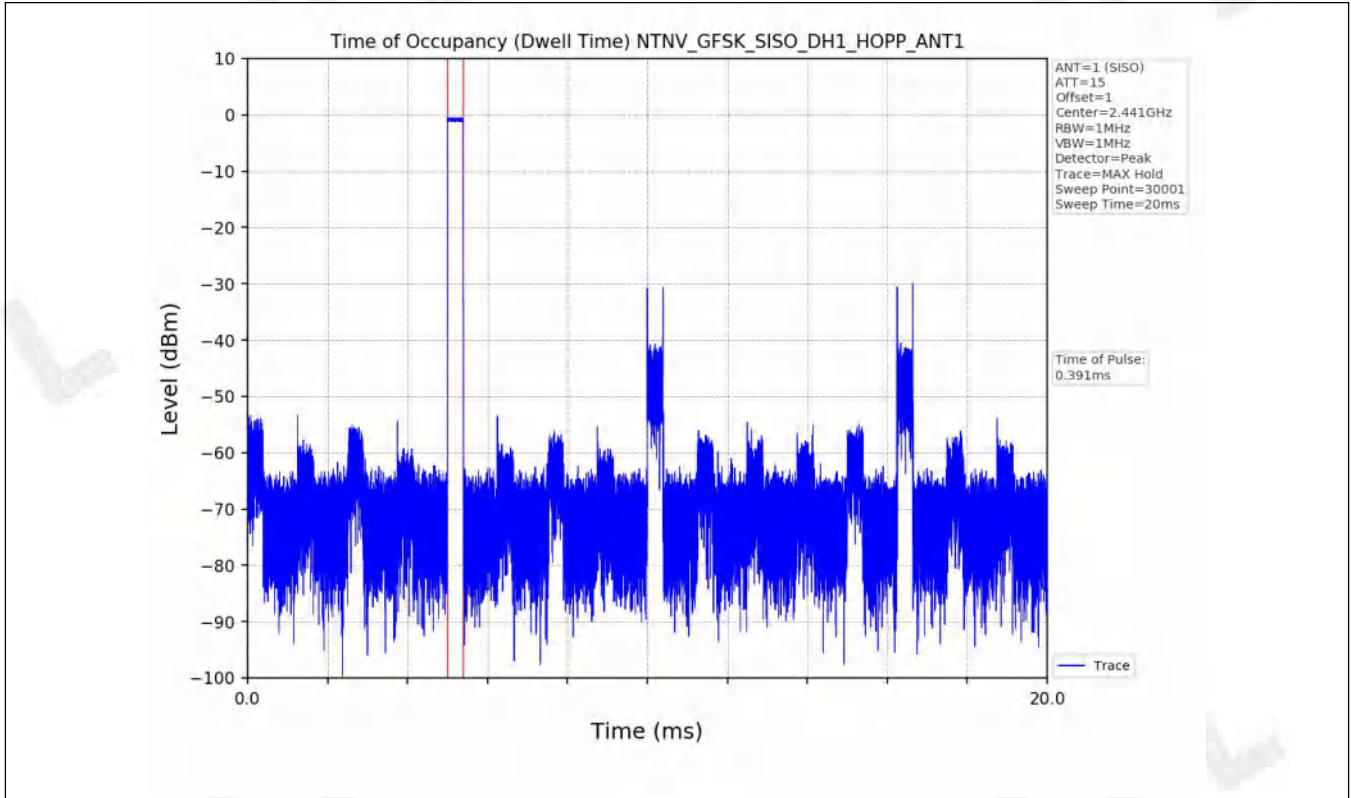


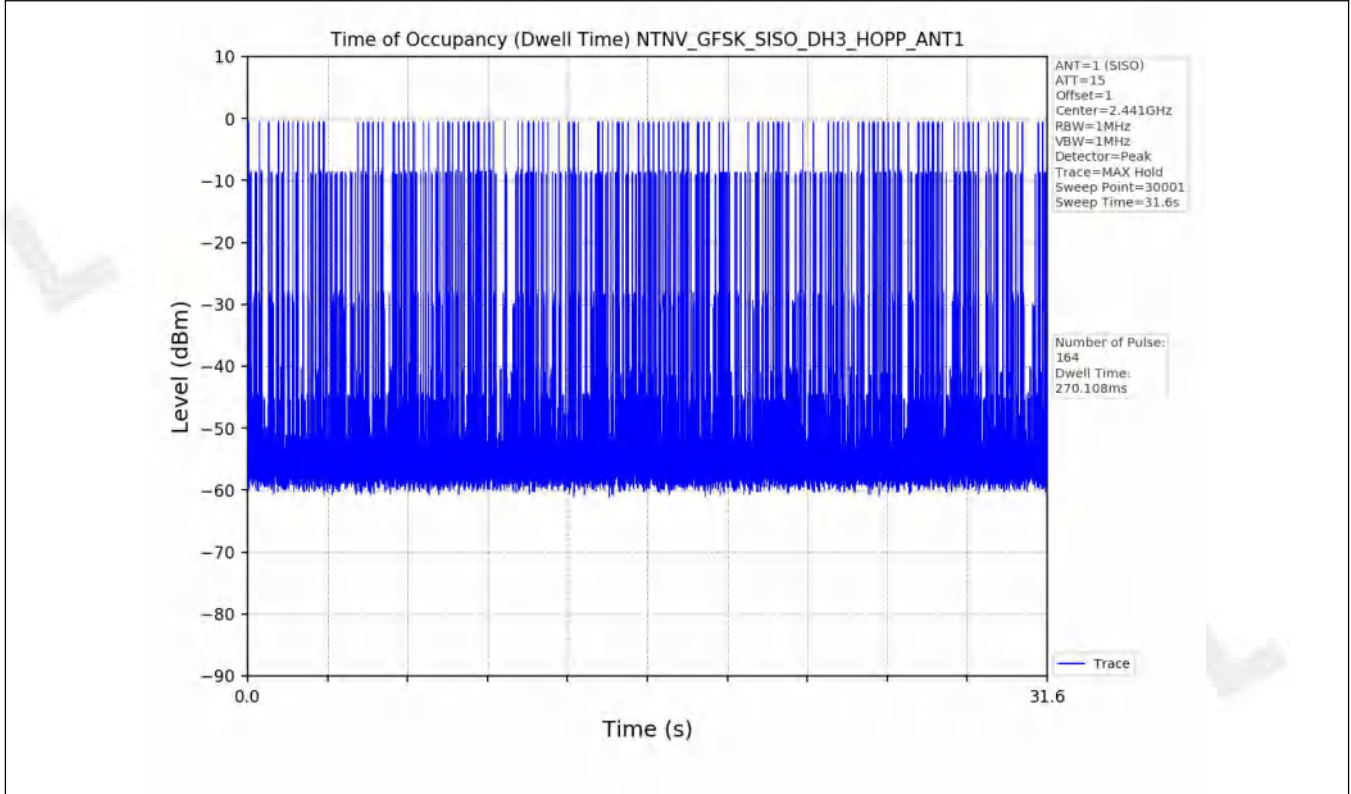
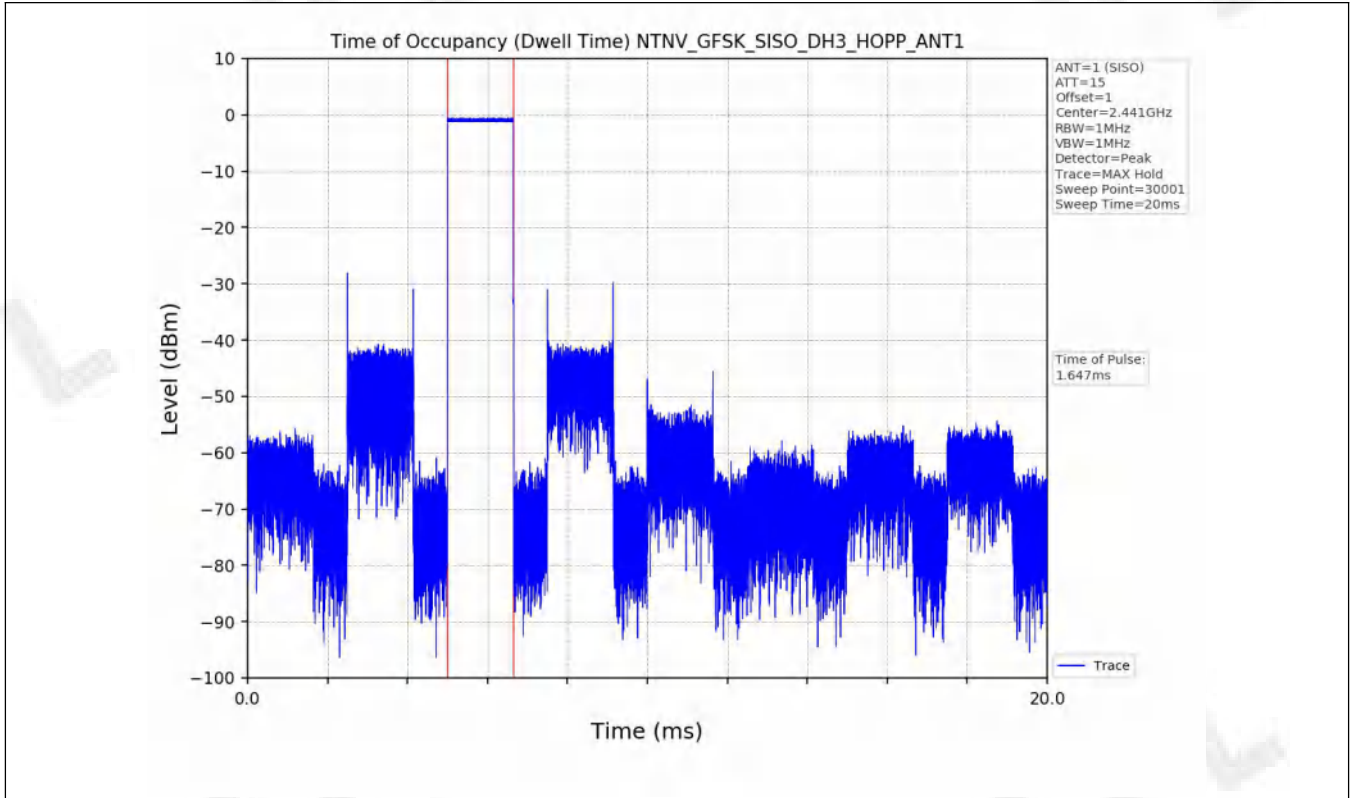
5. Time of Occupancy (Dwell Time)

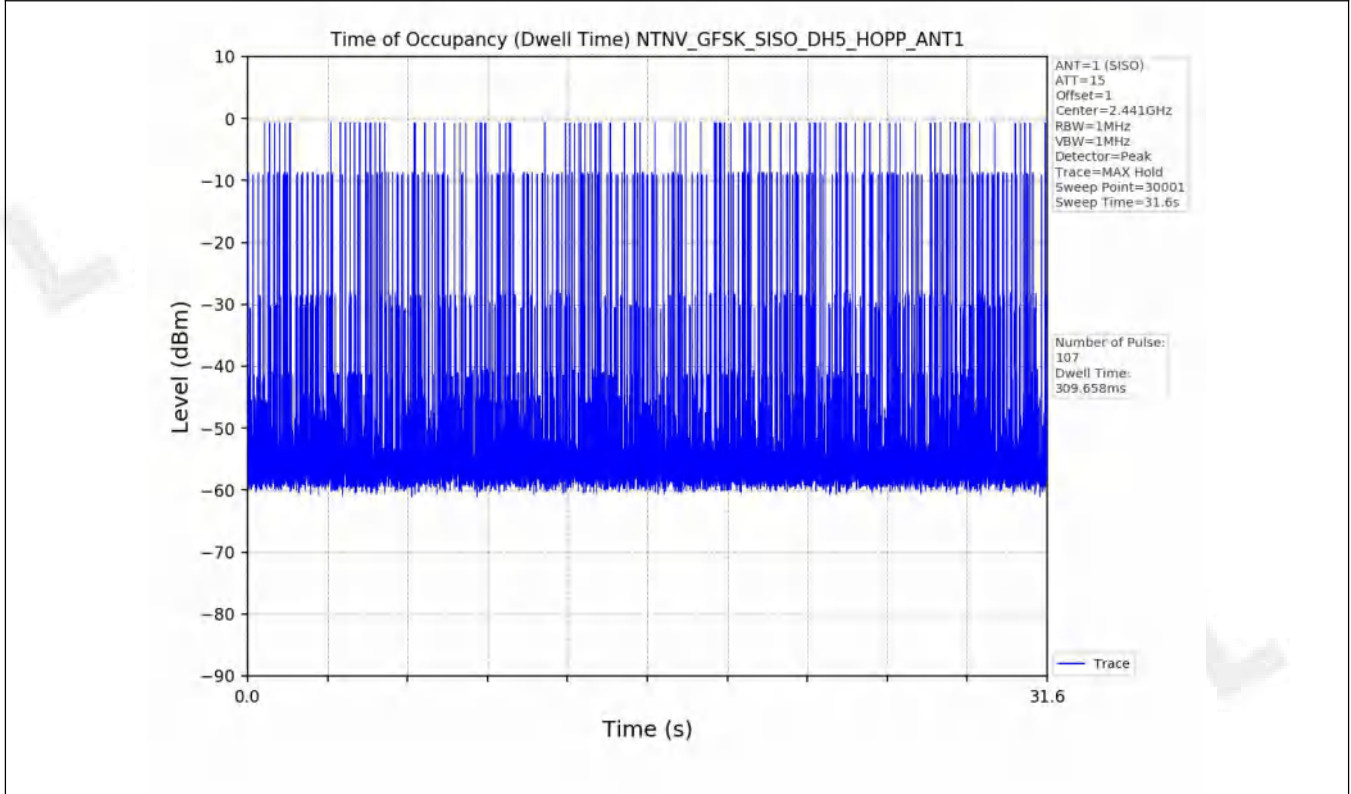
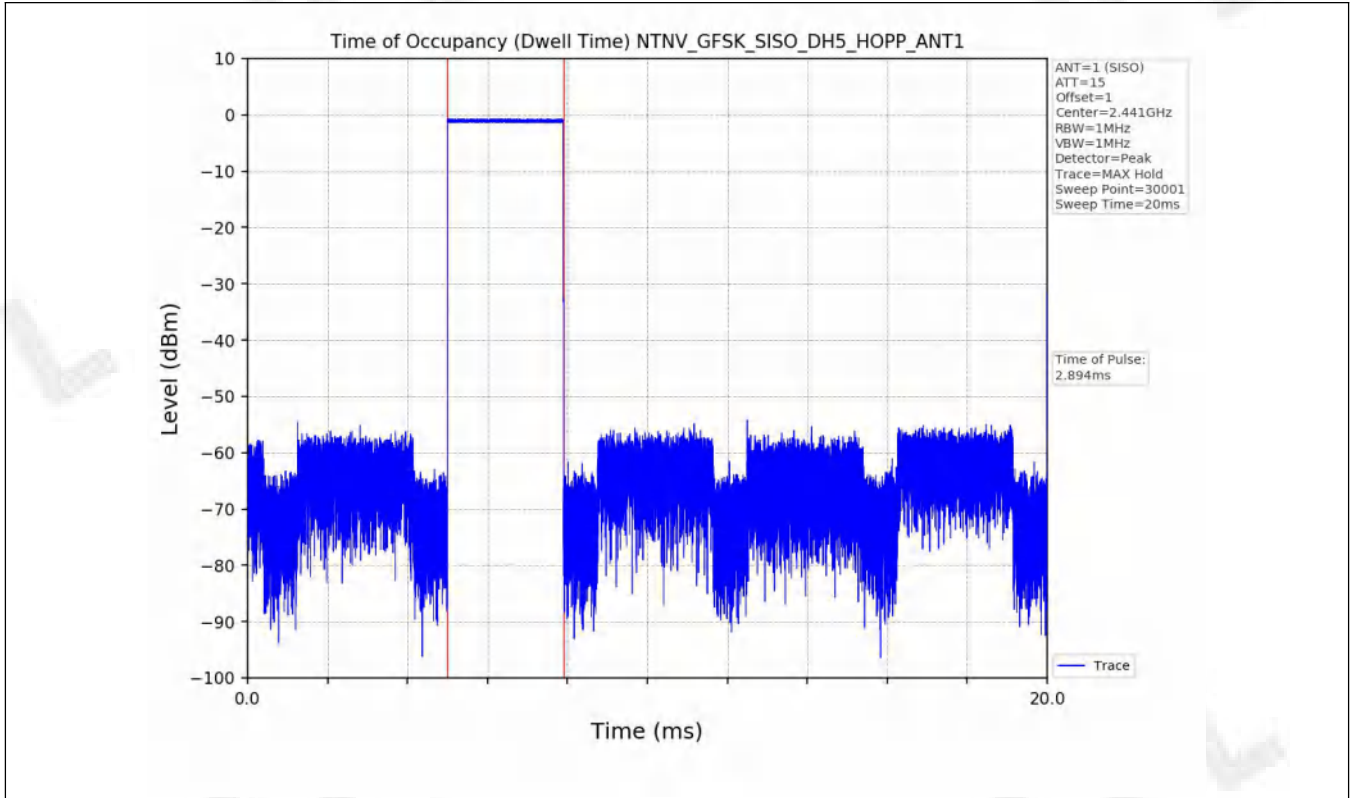
5.1 Test Result

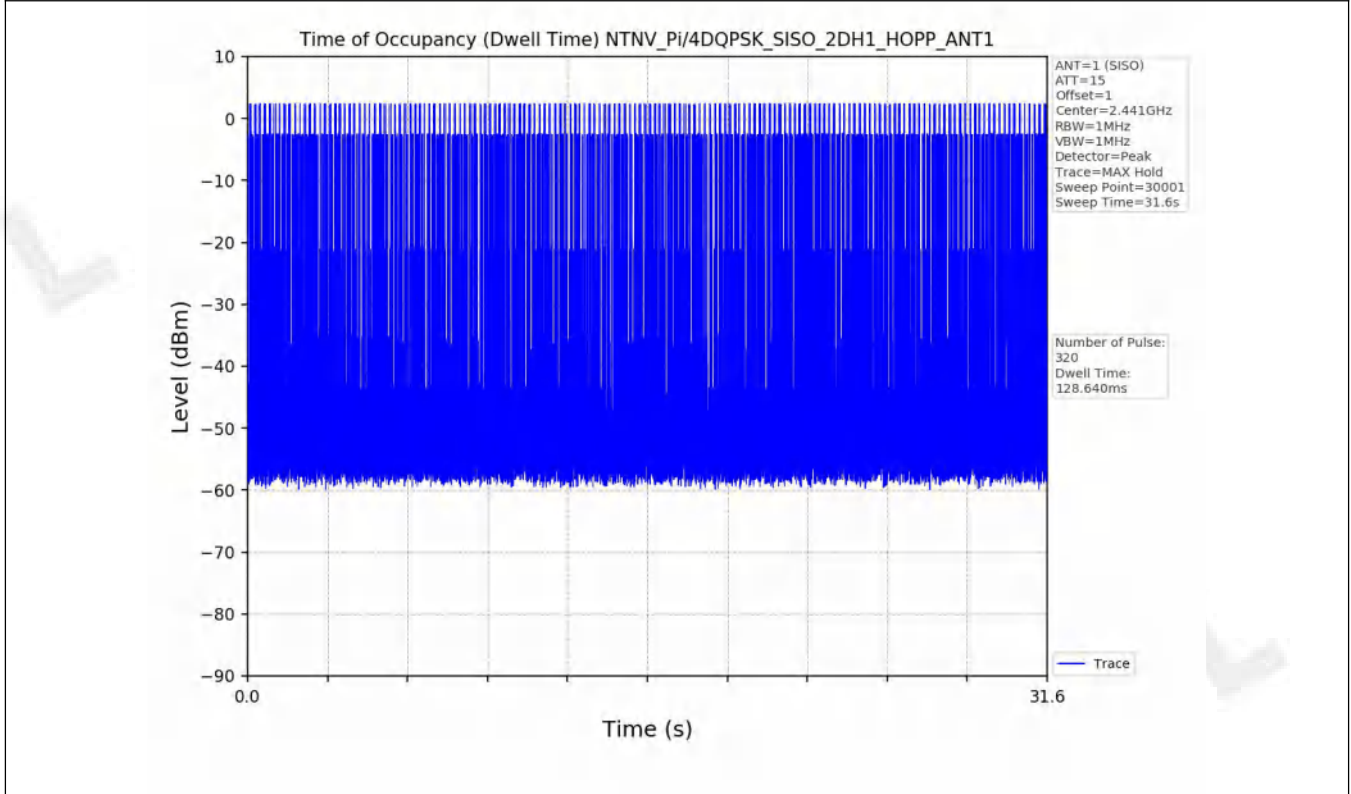
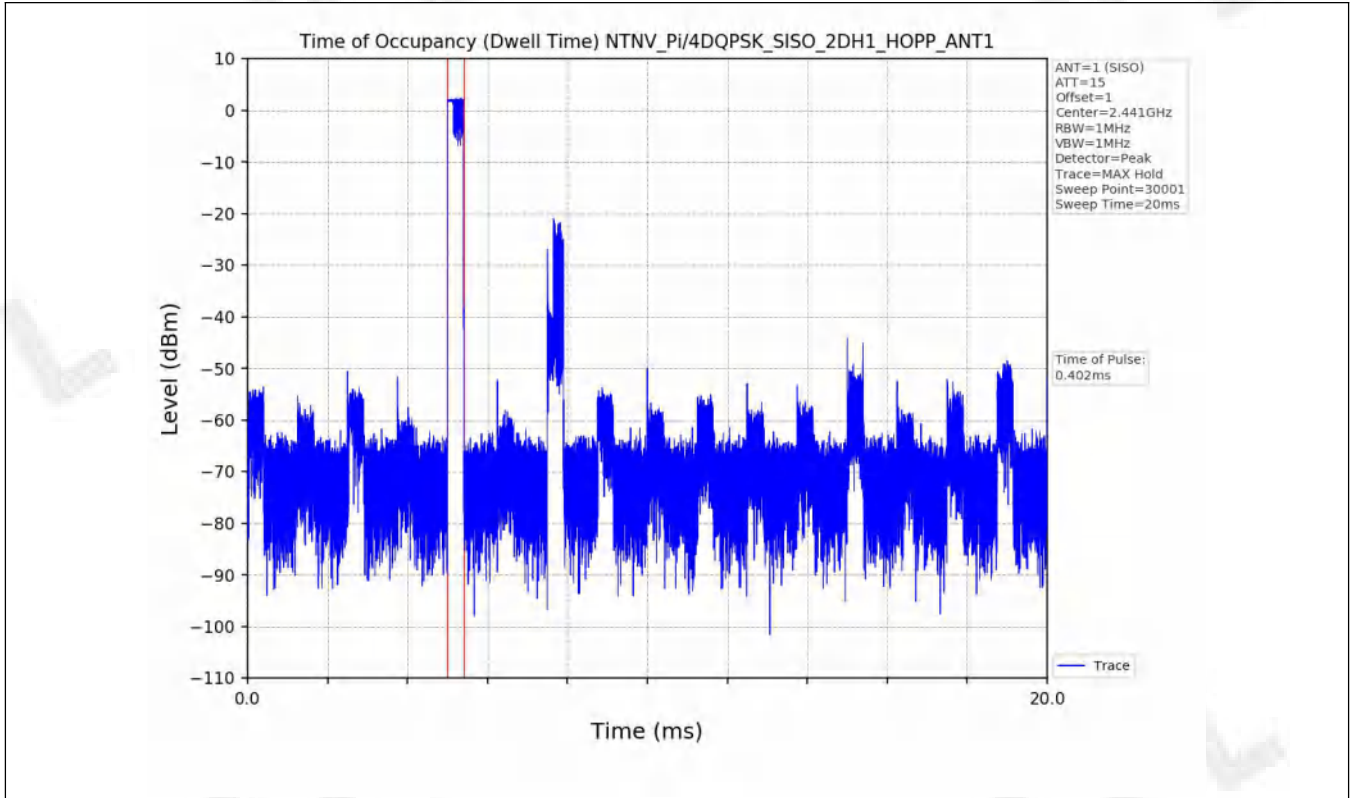
Test Mode	Packet Type	TX Type	ANT No.	Duration of Single Pulse (ms)	Observation Period (s)	Num of Pulse in Observation Period	Dwell Time (ms)	Limits (ms)	Verdict
GFSK	DH1	SISO	1	0.391	31.6	320	125.120	≤400	PASS
	DH3	SISO	1	1.647	31.6	164	270.108	≤400	PASS
	DH5	SISO	1	2.894	31.6	107	309.658	≤400	PASS
Pi/4DQPSK	2DH1	SISO	1	0.402	31.6	320	128.640	≤400	PASS
	2DH3	SISO	1	1.653	31.6	156	257.868	≤400	PASS
	2DH5	SISO	1	2.901	31.6	96	278.496	≤400	PASS
8DPSK	3DH1	SISO	1	0.415	31.6	321	133.215	≤400	PASS
	3DH3	SISO	1	1.652	31.6	155	256.060	≤400	PASS
	3DH5	SISO	1	2.905	31.6	113	328.265	≤400	PASS

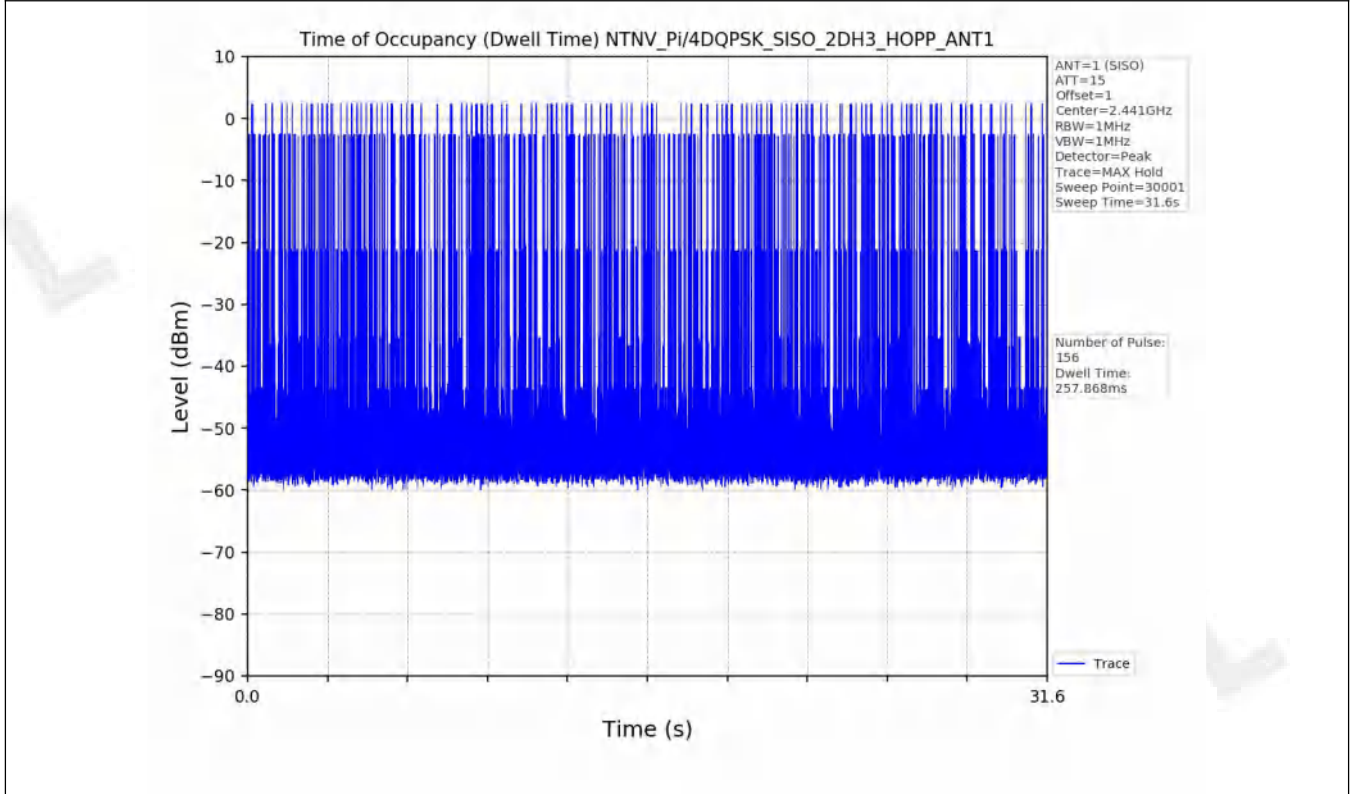
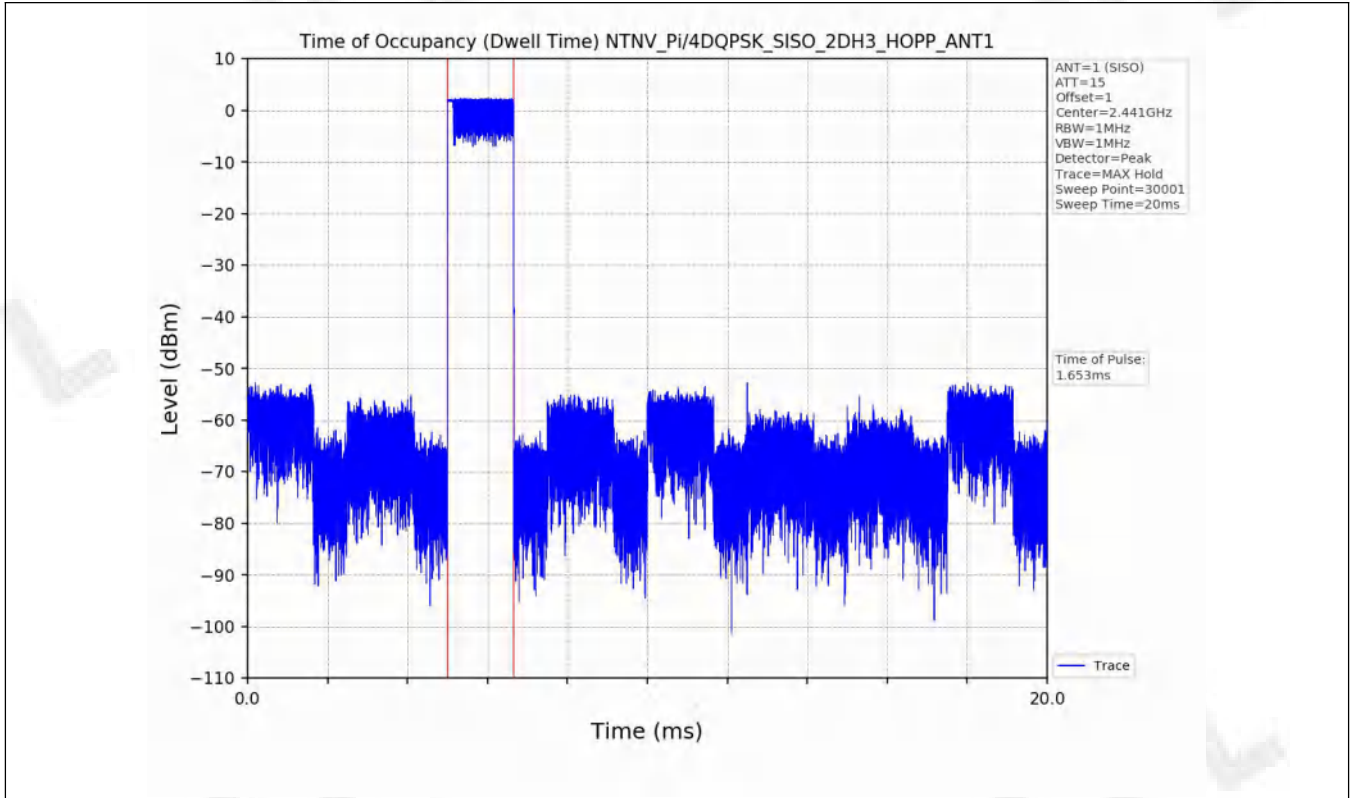
5.2 Test Graph

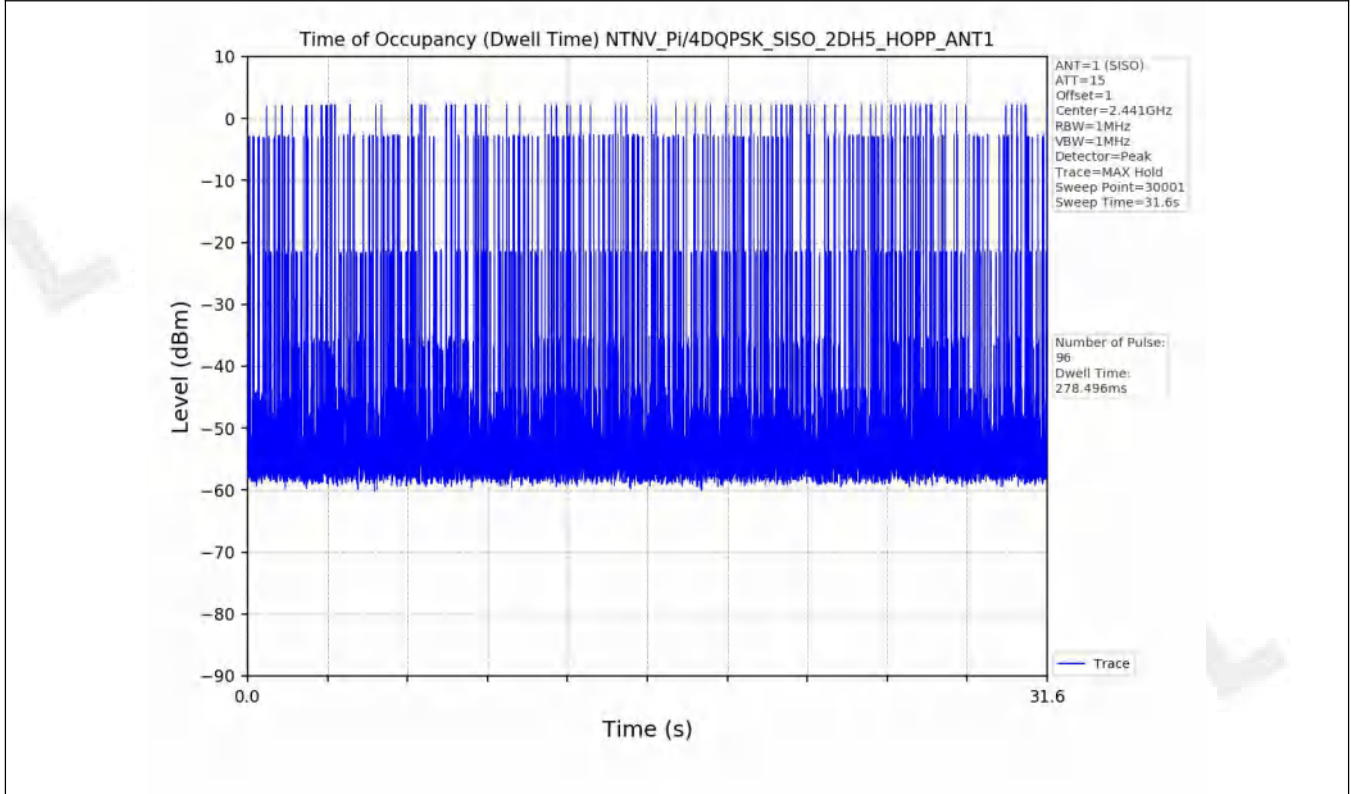
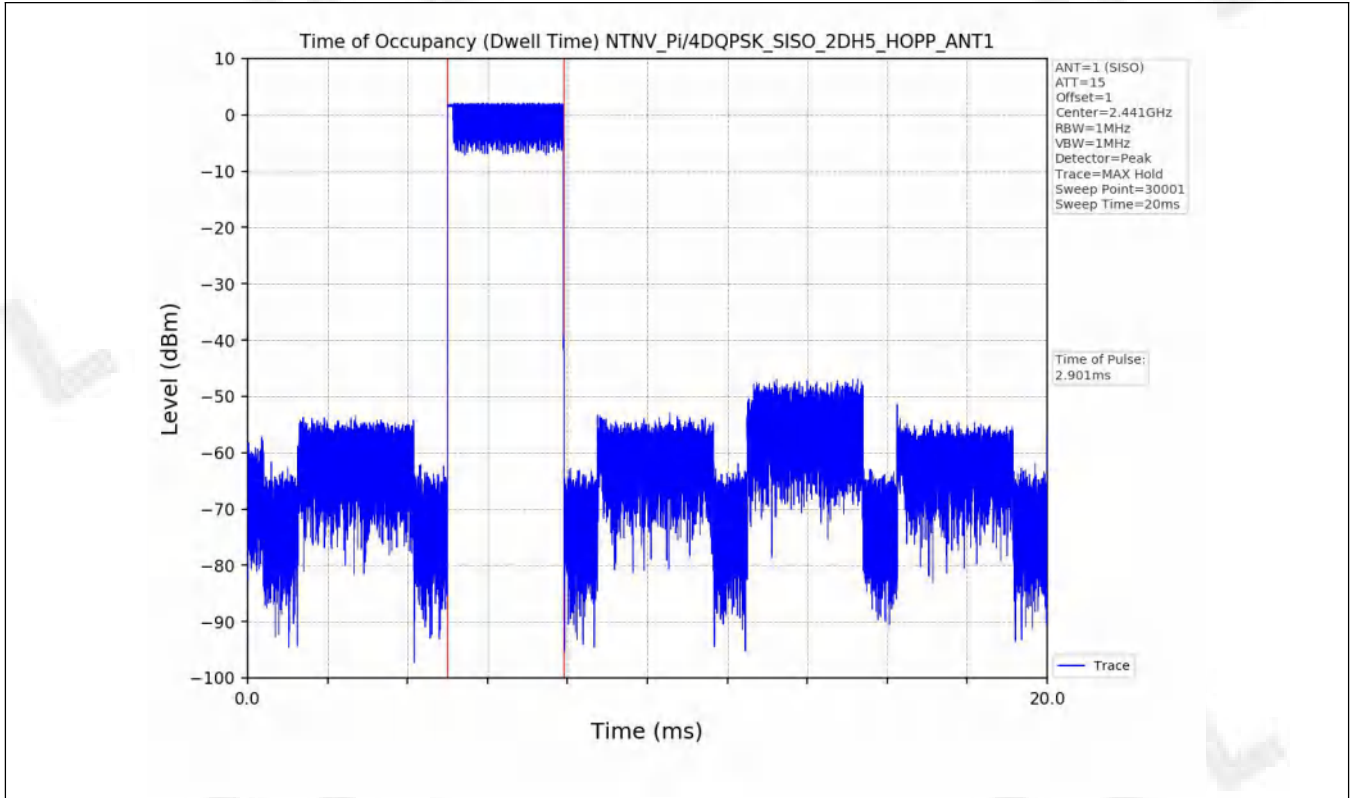


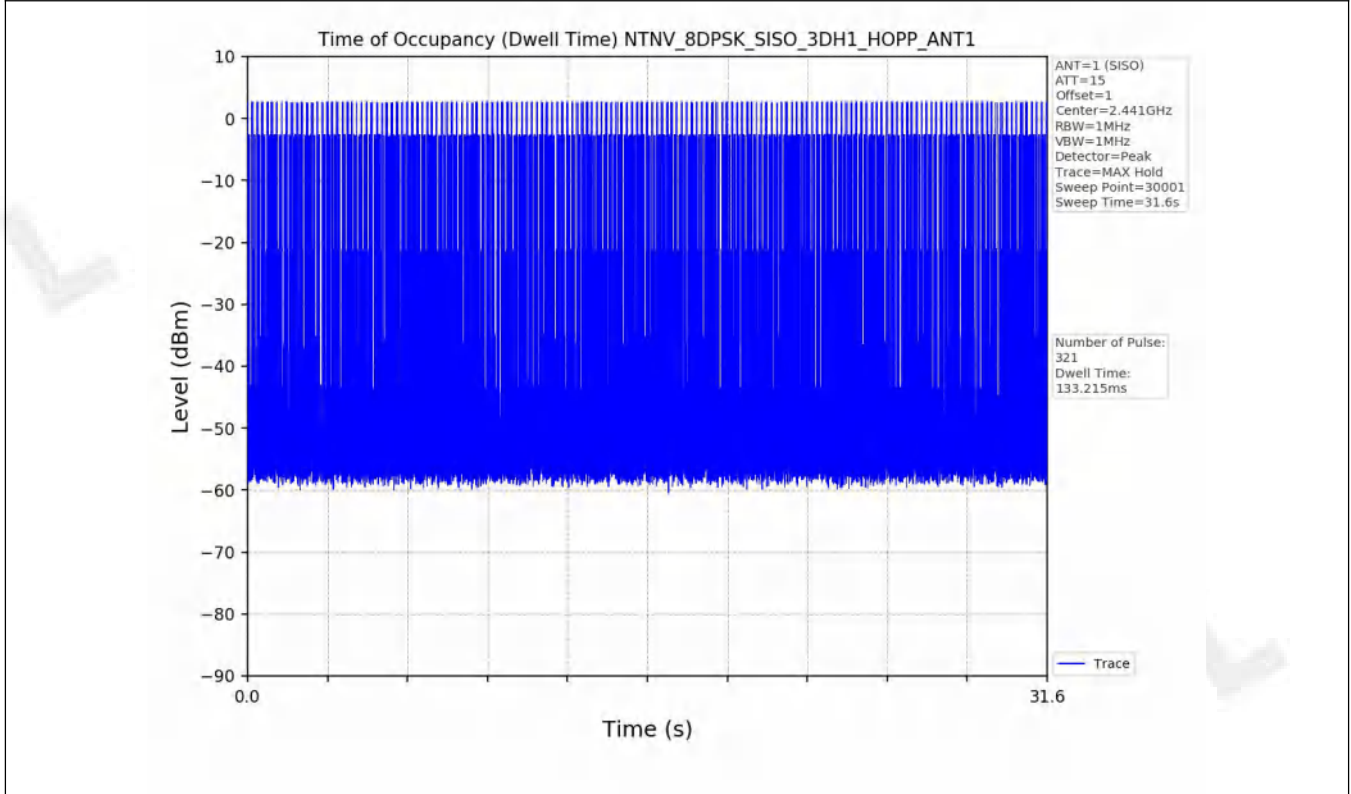
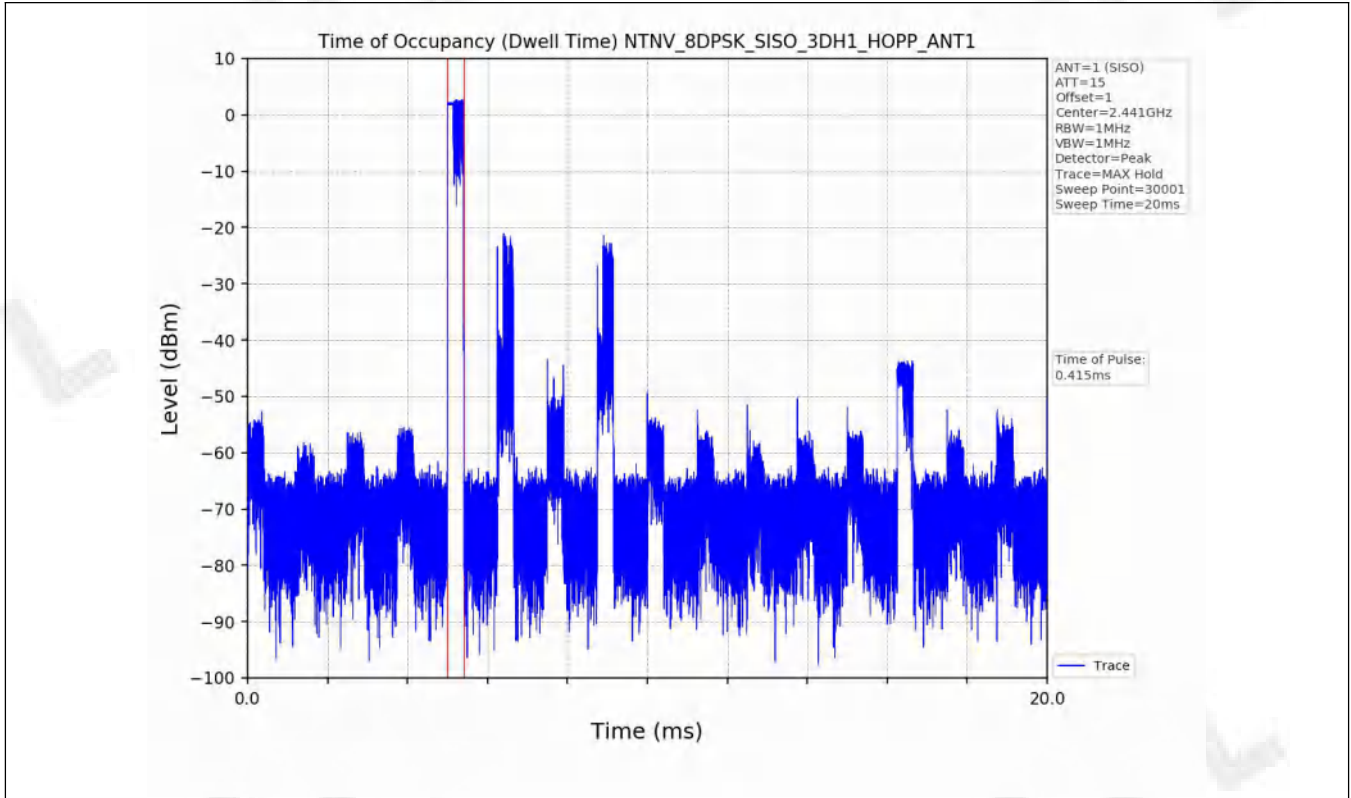


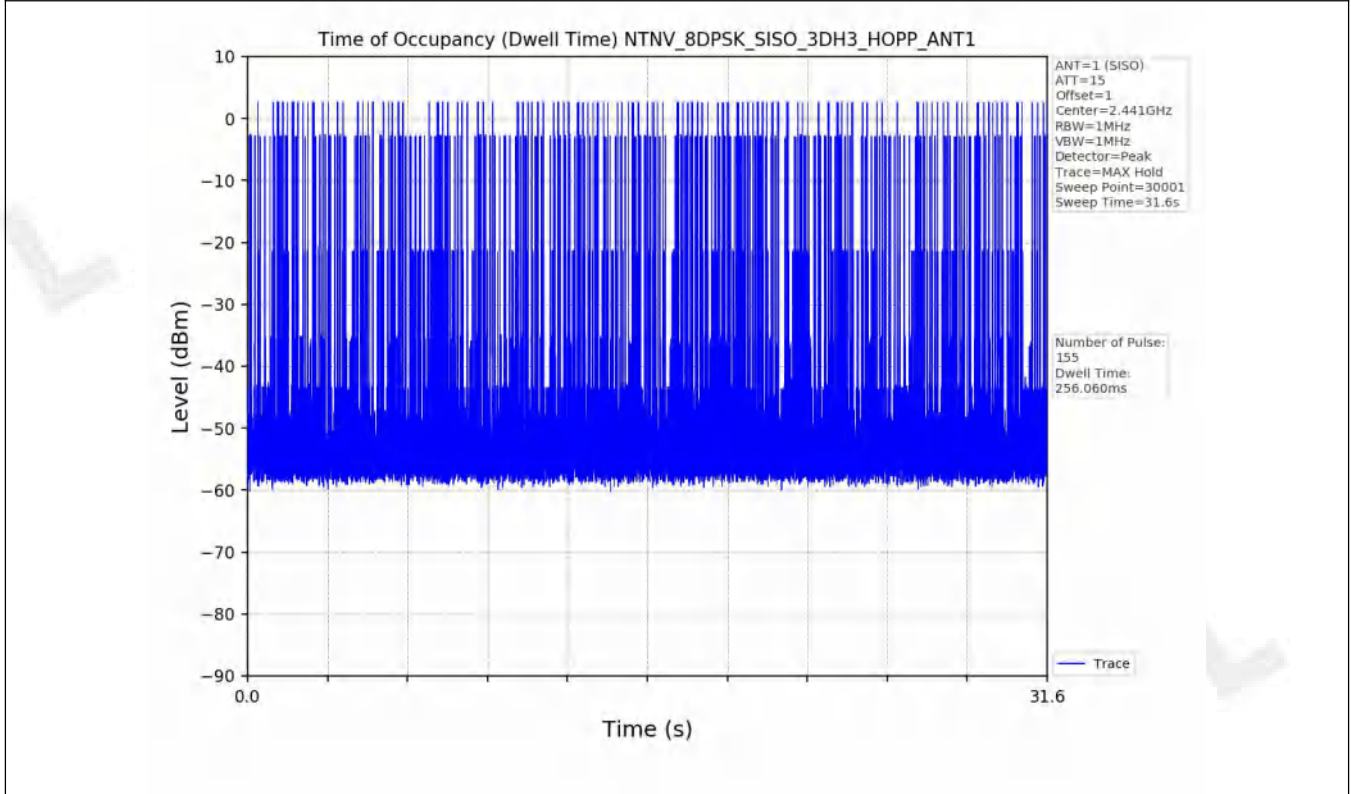
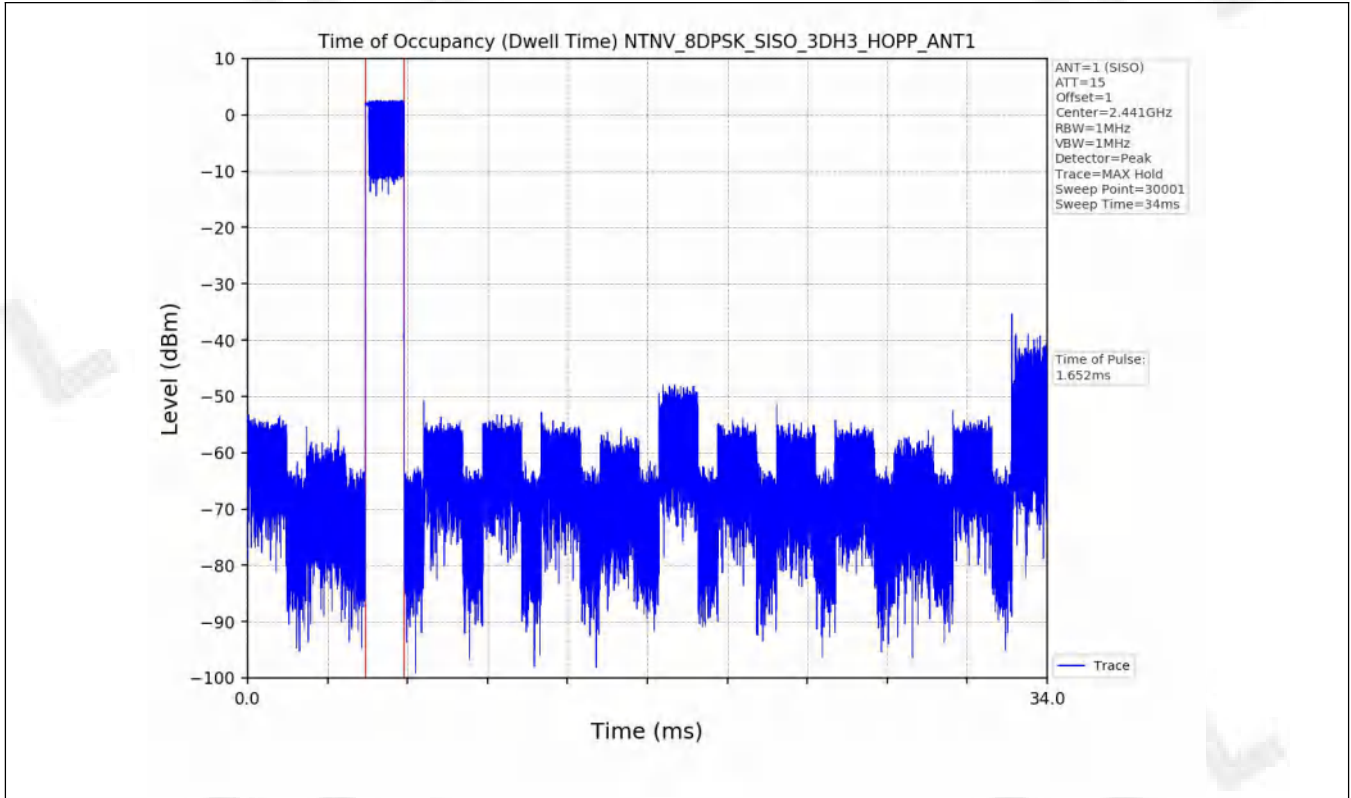


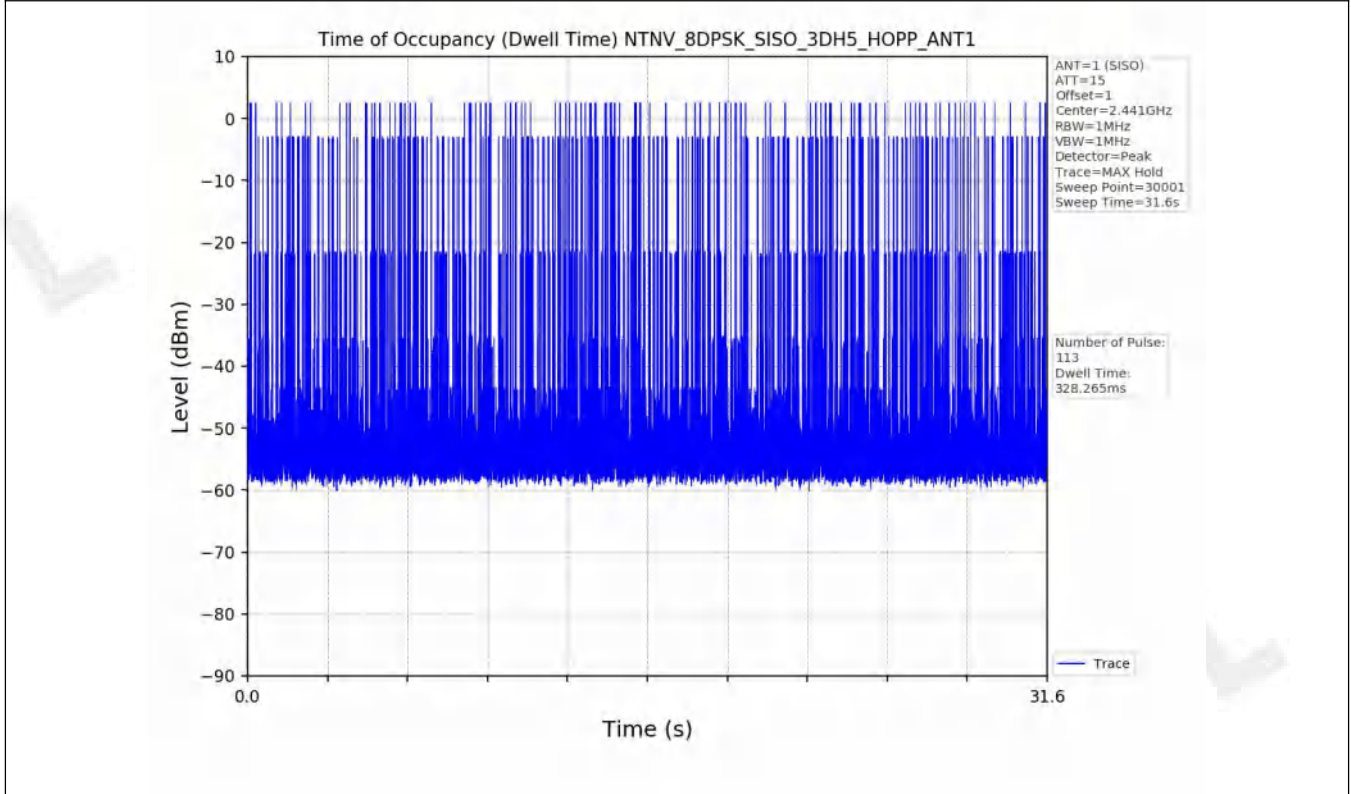
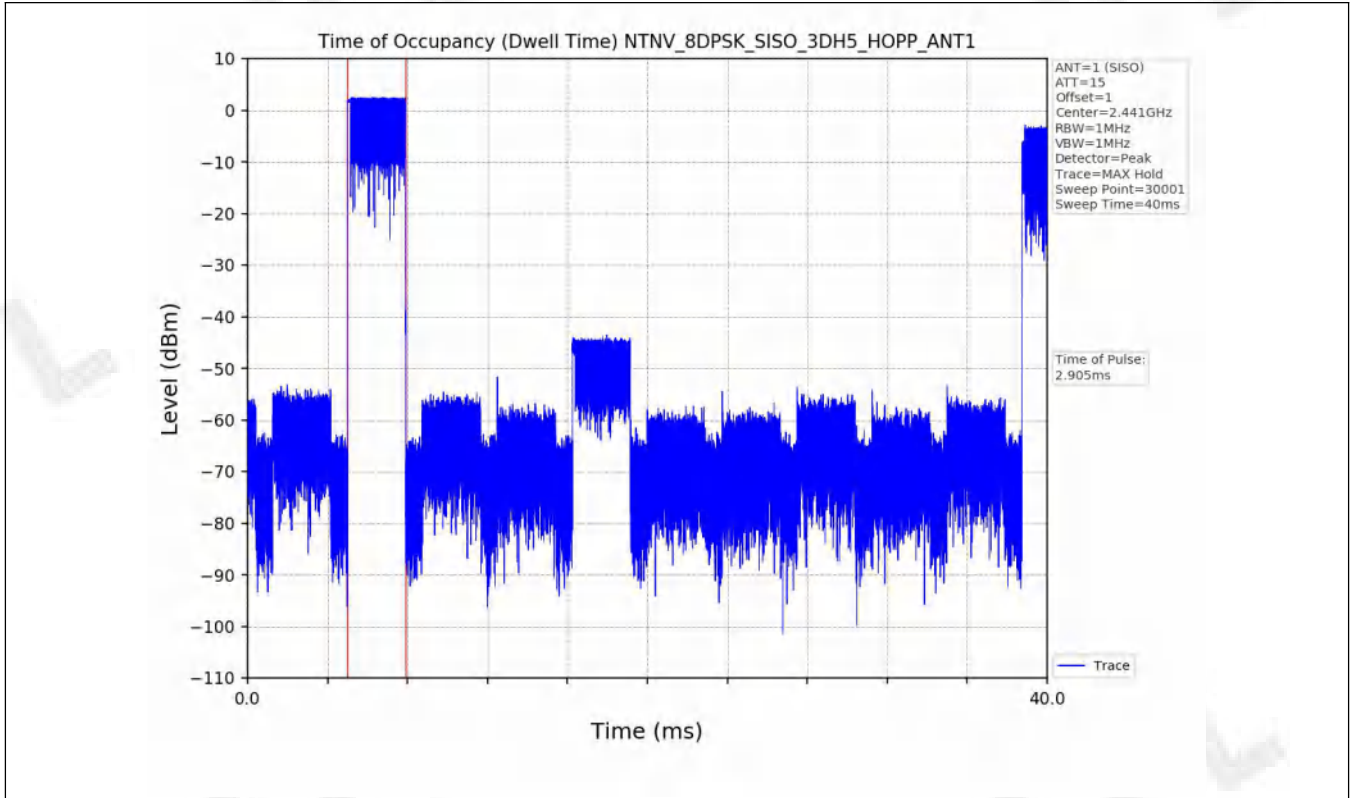












6. Unwanted Emissions in Non-restricted Frequency Bands

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	-18.53	PASS
	2441	SISO	1	Refer to test graph	-18.53	PASS
	2480	SISO	1	Refer to test graph	-18.53	PASS
	Hopping	SISO	1	Refer to test graph	-18.53	PASS
Pi/4DQPSK	2402	SISO	1	Refer to test graph	-18.50	PASS
	2441	SISO	1	Refer to test graph	-18.50	PASS
	2480	SISO	1	Refer to test graph	-18.50	PASS
	Hopping	SISO	1	Refer to test graph	-18.50	PASS
8DPSK	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

6.2 Test Graph

