

Appendix for 15.247

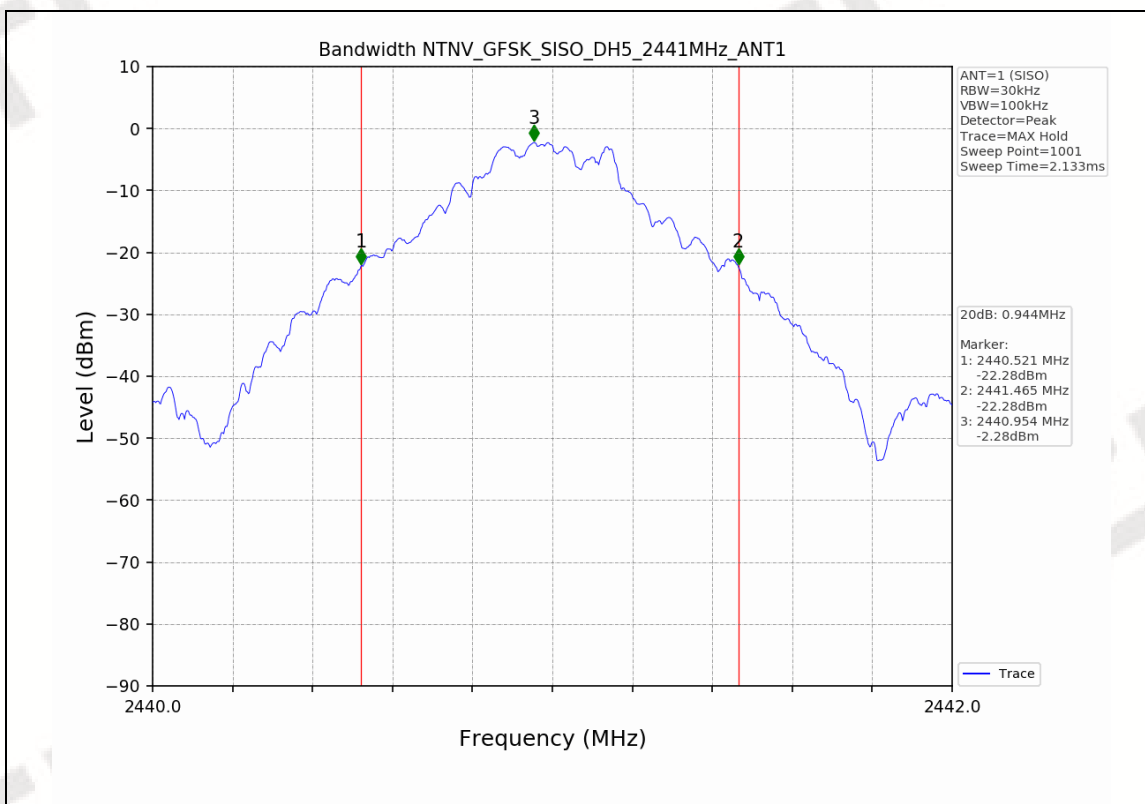
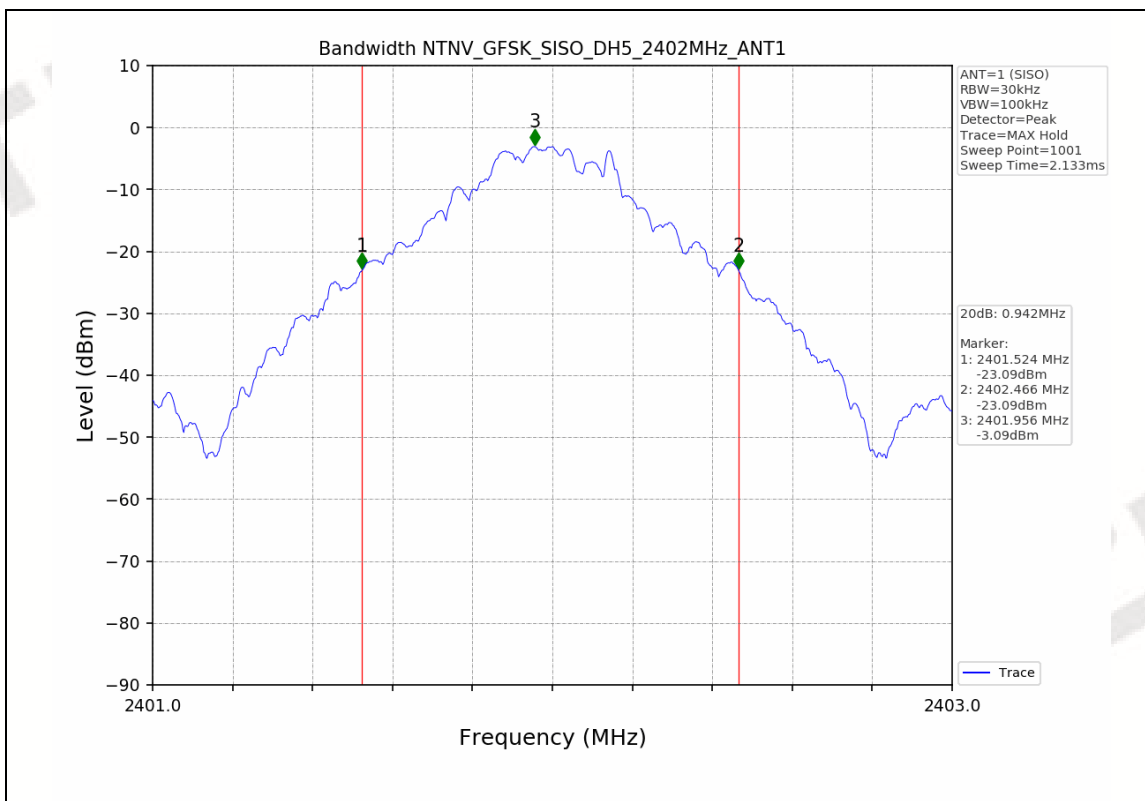
1. Bandwidth

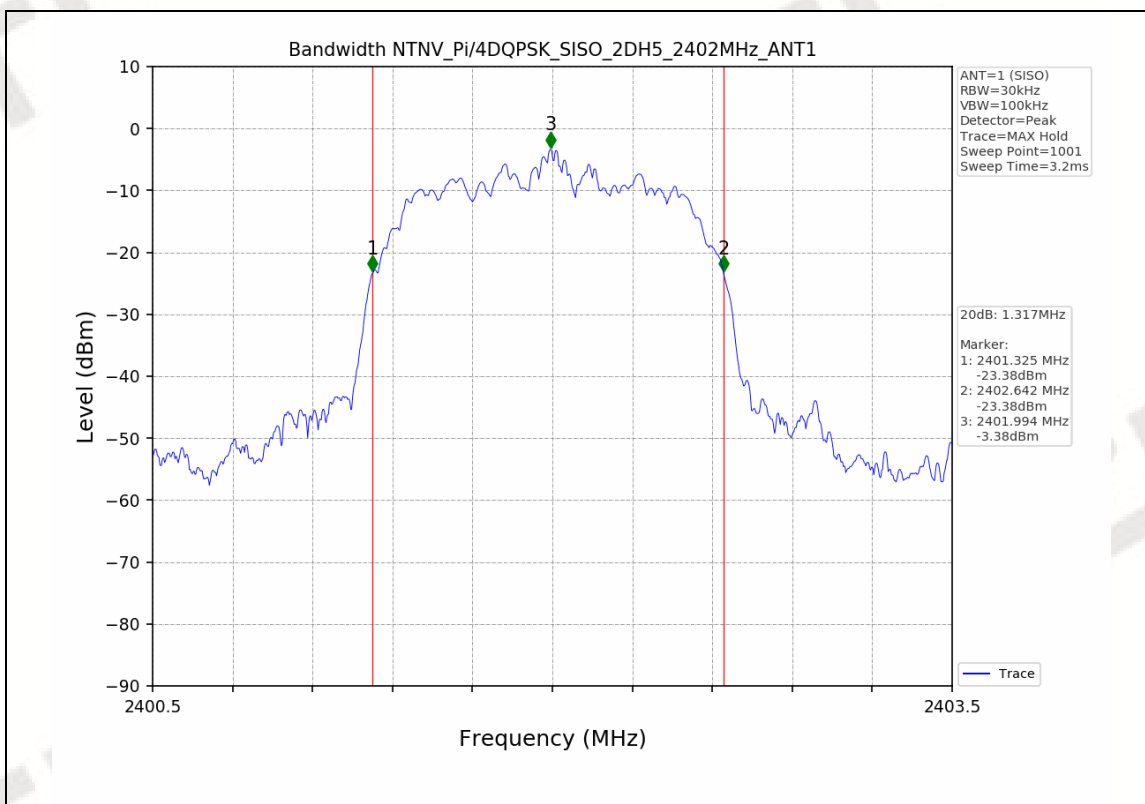
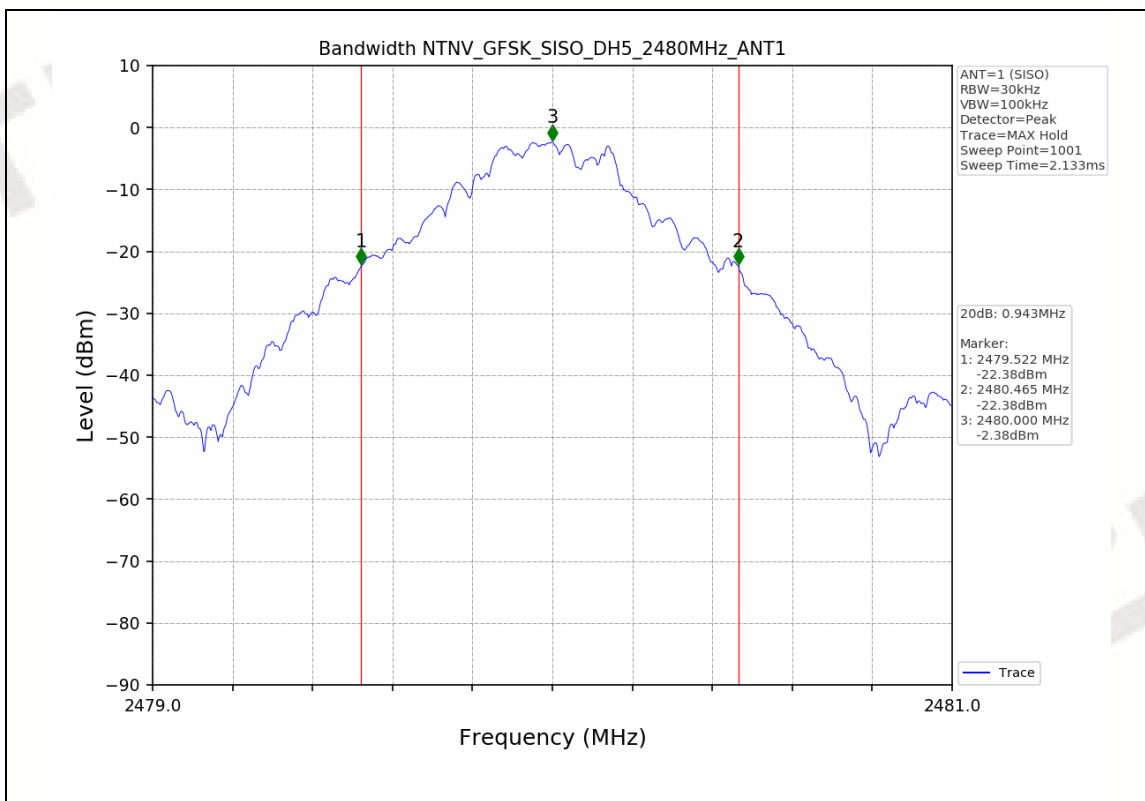
1.1 Test Result

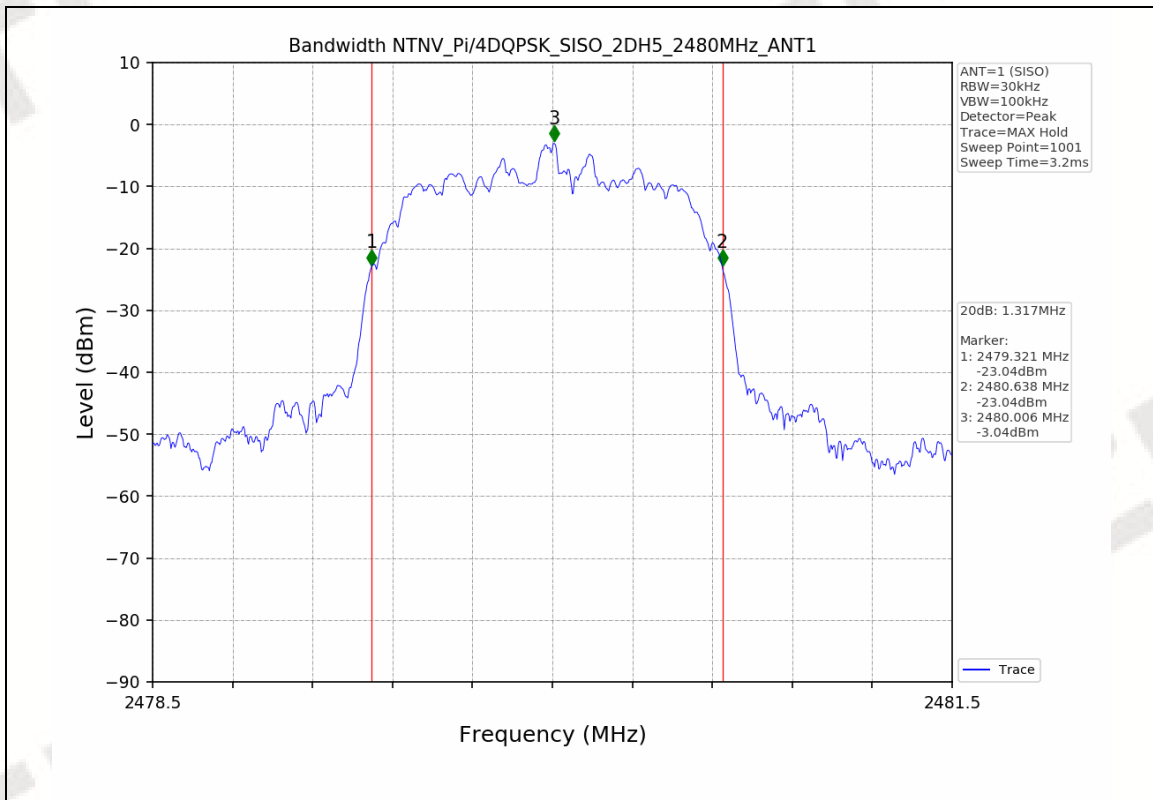
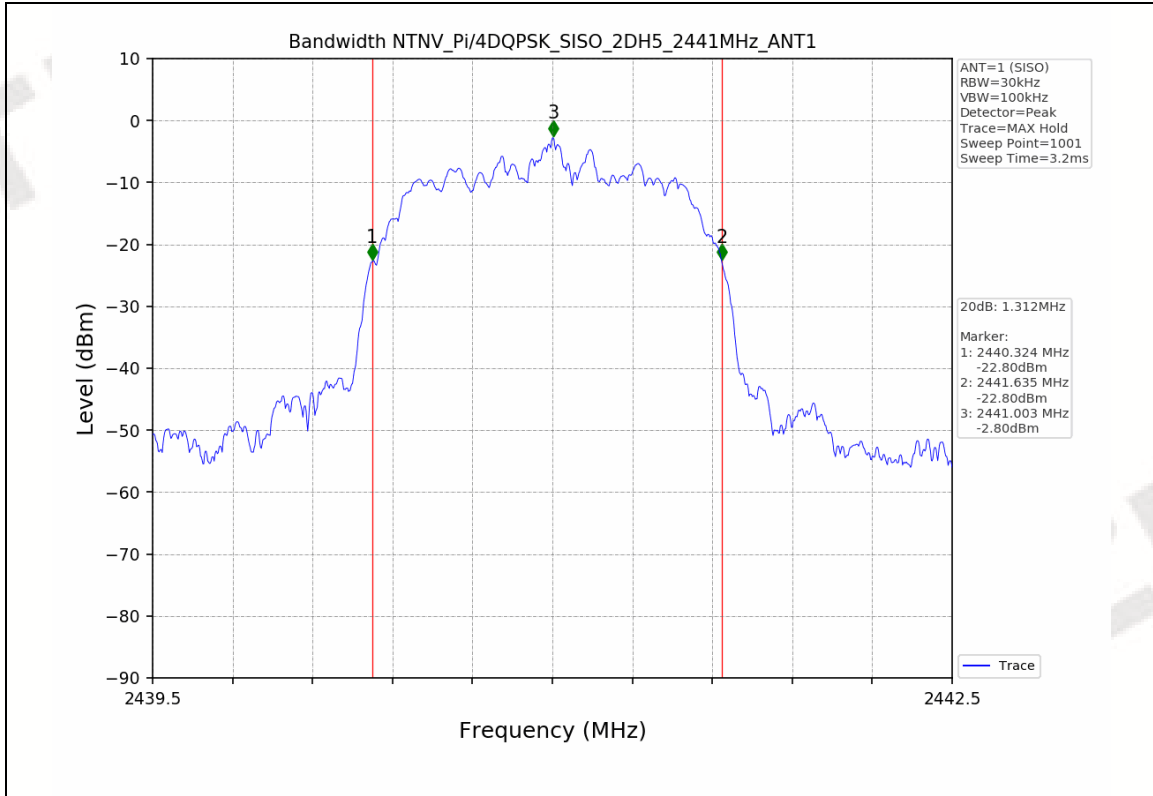
Test Mode	Frequency (MHz)	TX Type	ANT No.	20dB Bandwidth	Verdict
				Test Result (MHz)	
GFSK	2402	SISO	1	0.942	PASS
	2441	SISO	1	0.944	PASS
	2480	SISO	1	0.943	PASS
Pi/4DQPSK	2402	SISO	1	1.317	PASS
	2441	SISO	1	1.312	PASS
	2480	SISO	1	1.317	PASS
8DPSK	2402	SISO	1	1.311	PASS
	2441	SISO	1	1.312	PASS
	2480	SISO	1	1.310	PASS

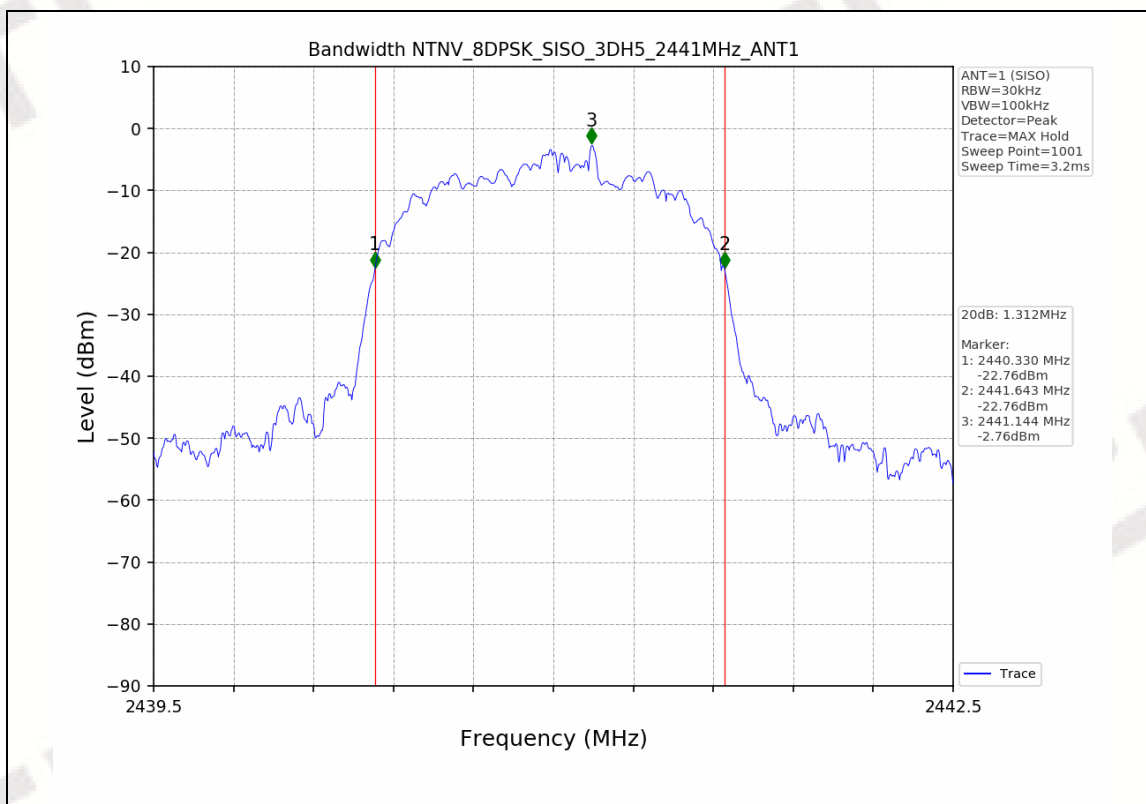
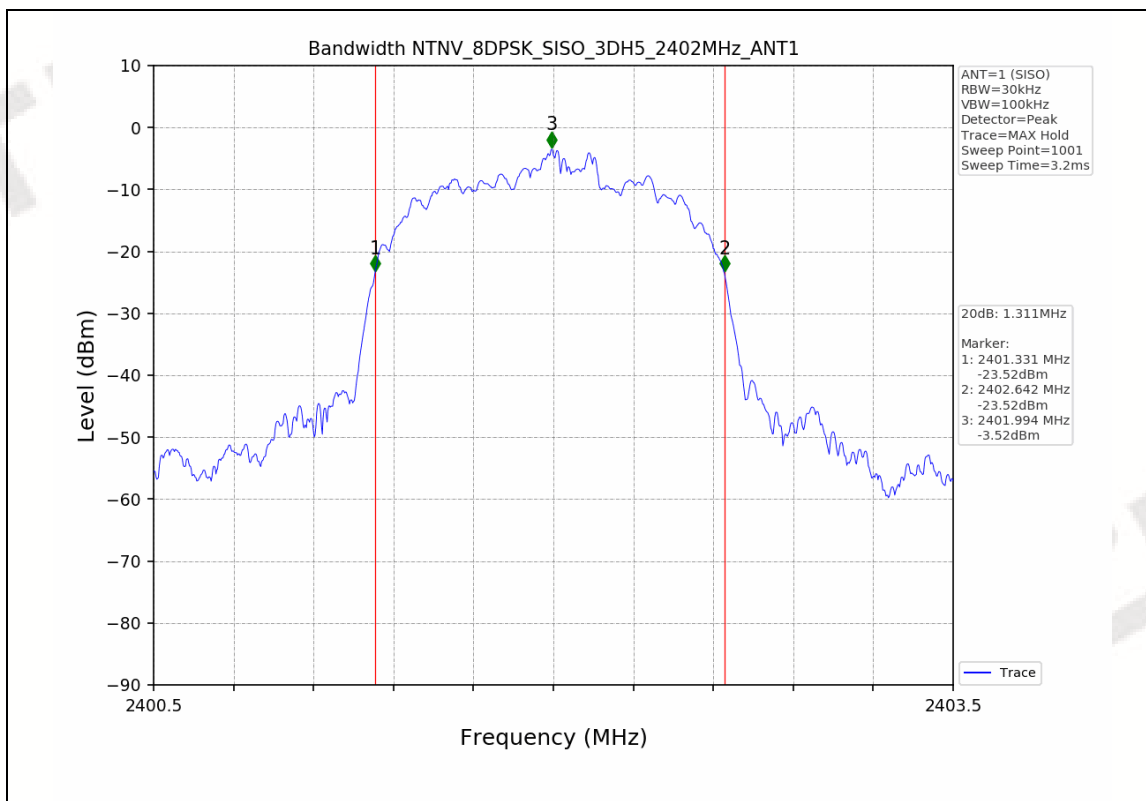
Test Mode	Frequency (MHz)	TX Type	ANT No.	99% Occupied Bandwidth	
				Test Result (MHz)	
GFSK	2402	SISO	1	0.835	Only for Report Use
	2441	SISO	1	0.826	Only for Report Use
	2480	SISO	1	0.832	Only for Report Use
Pi/4DQPSK	2402	SISO	1	1.175	Only for Report Use
	2441	SISO	1	1.181	Only for Report Use
	2480	SISO	1	1.177	Only for Report Use
8DPSK	2402	SISO	1	1.180	Only for Report Use
	2441	SISO	1	1.179	Only for Report Use
	2480	SISO	1	1.181	Only for Report Use

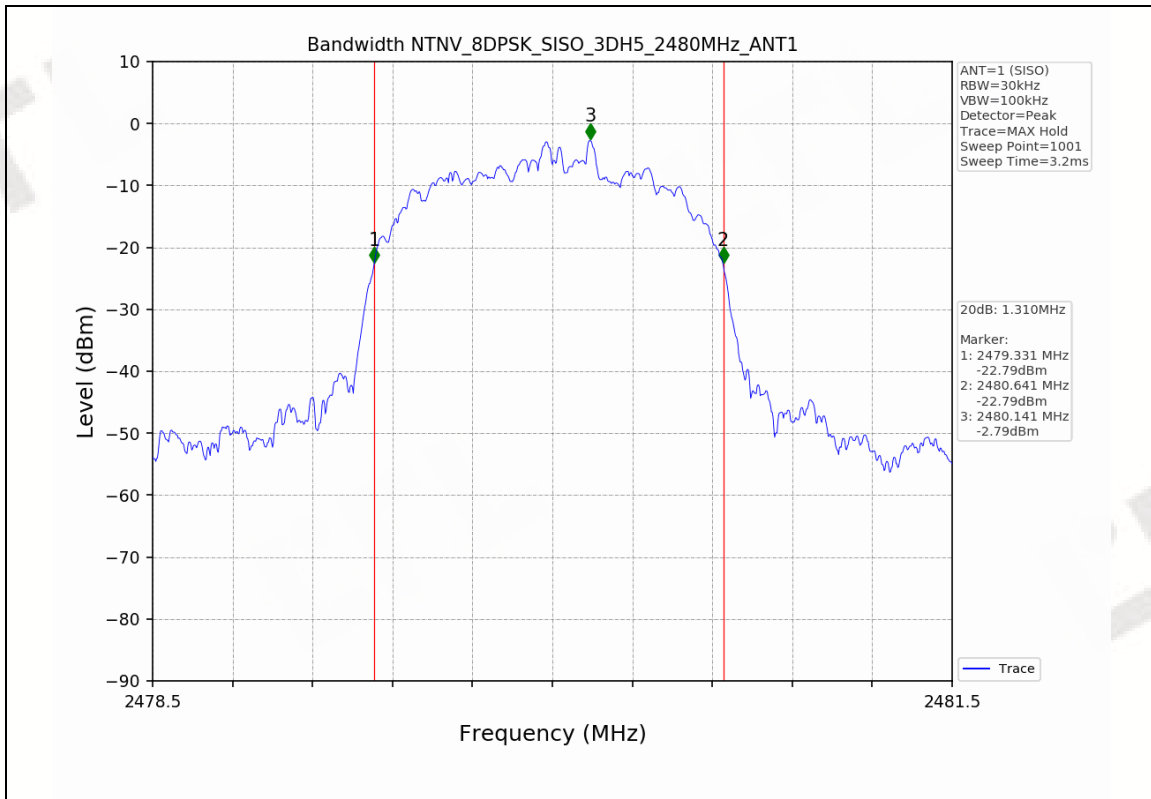
1.2 Test Graph - 20dB Bandwidth



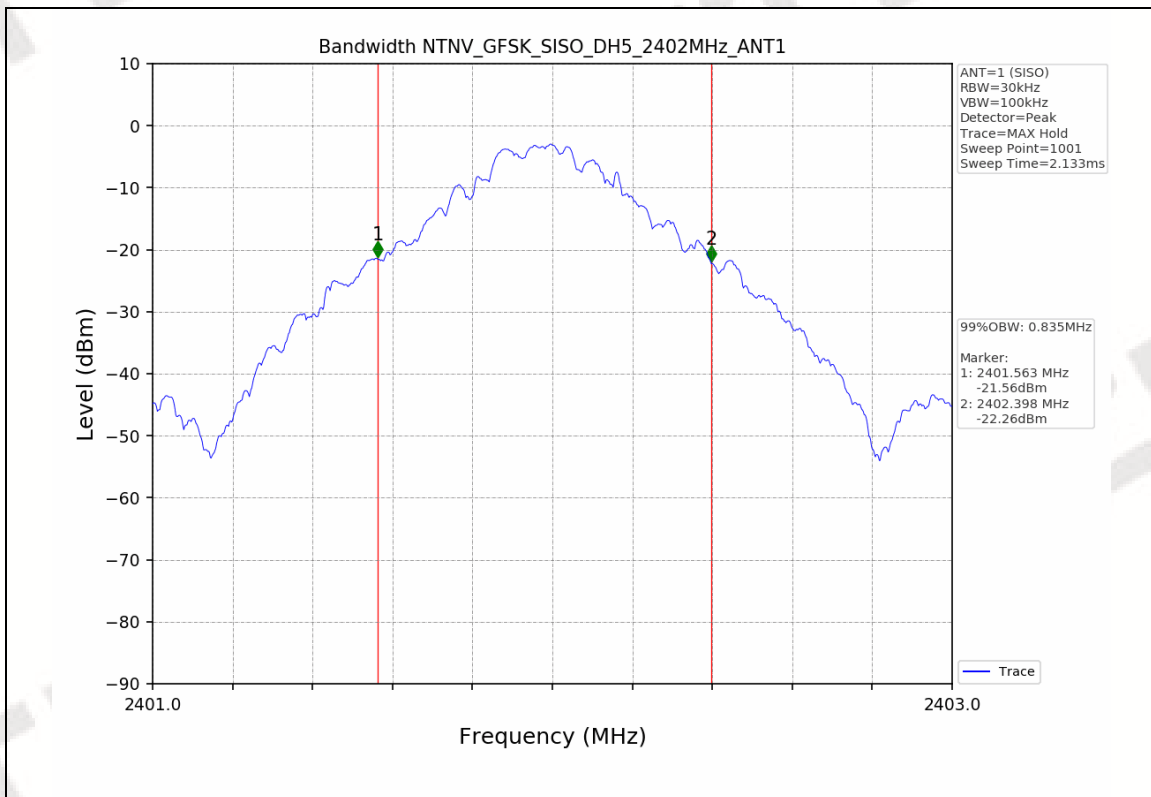


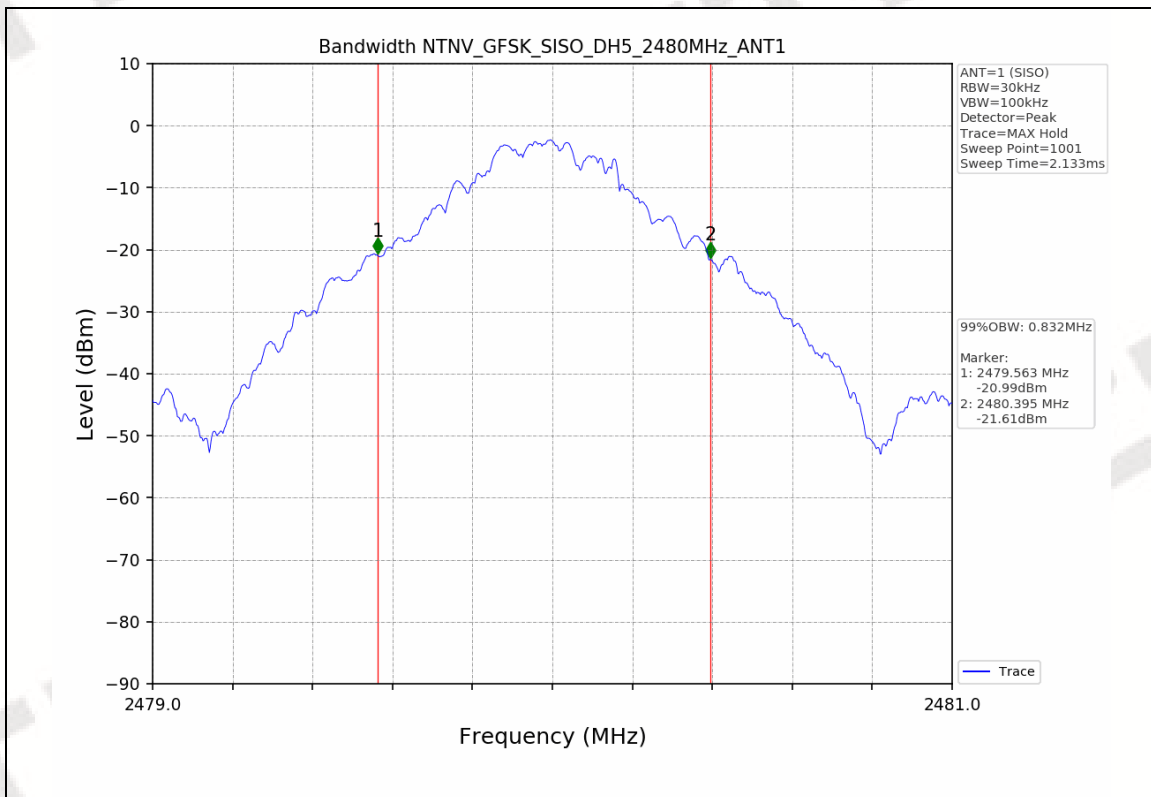
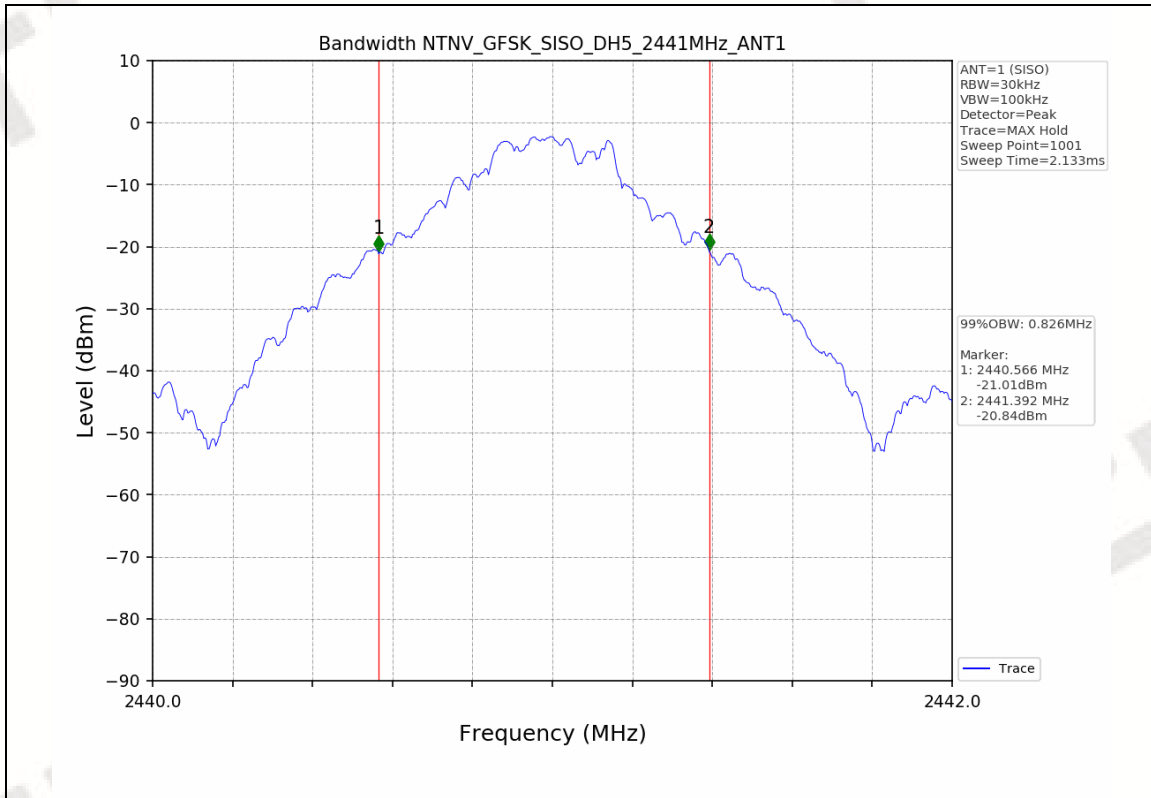


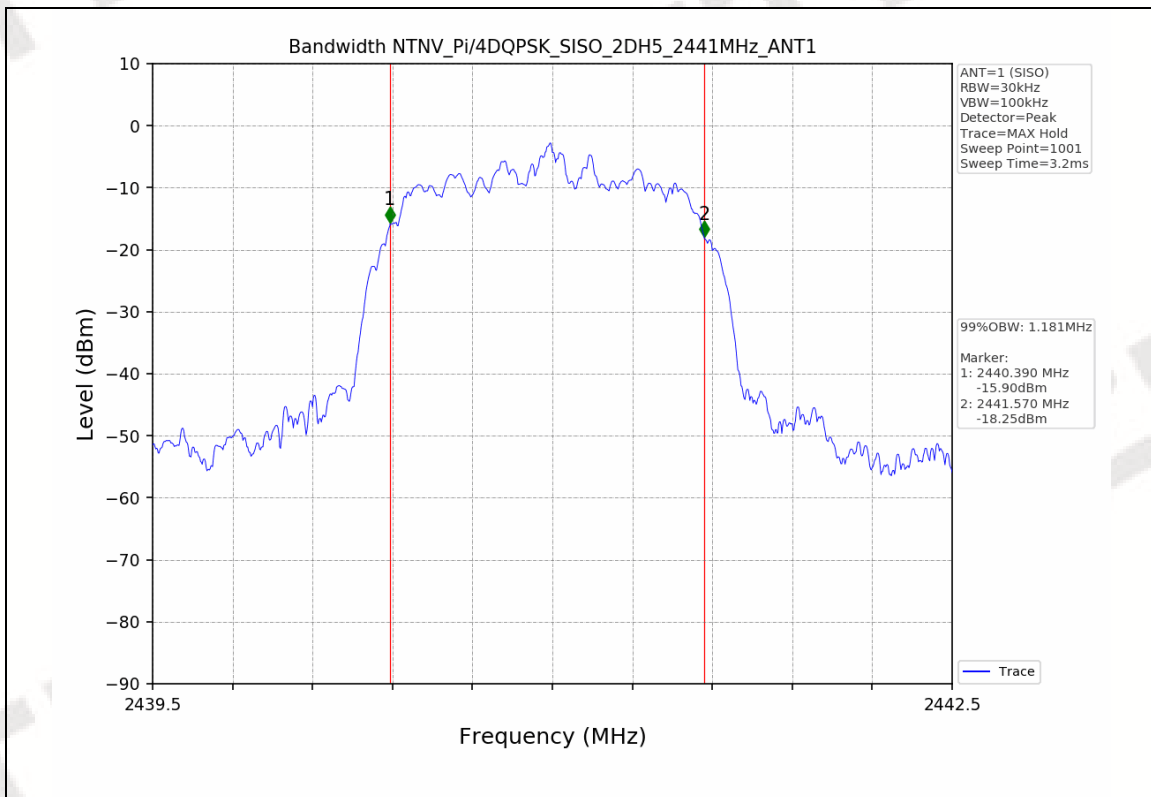
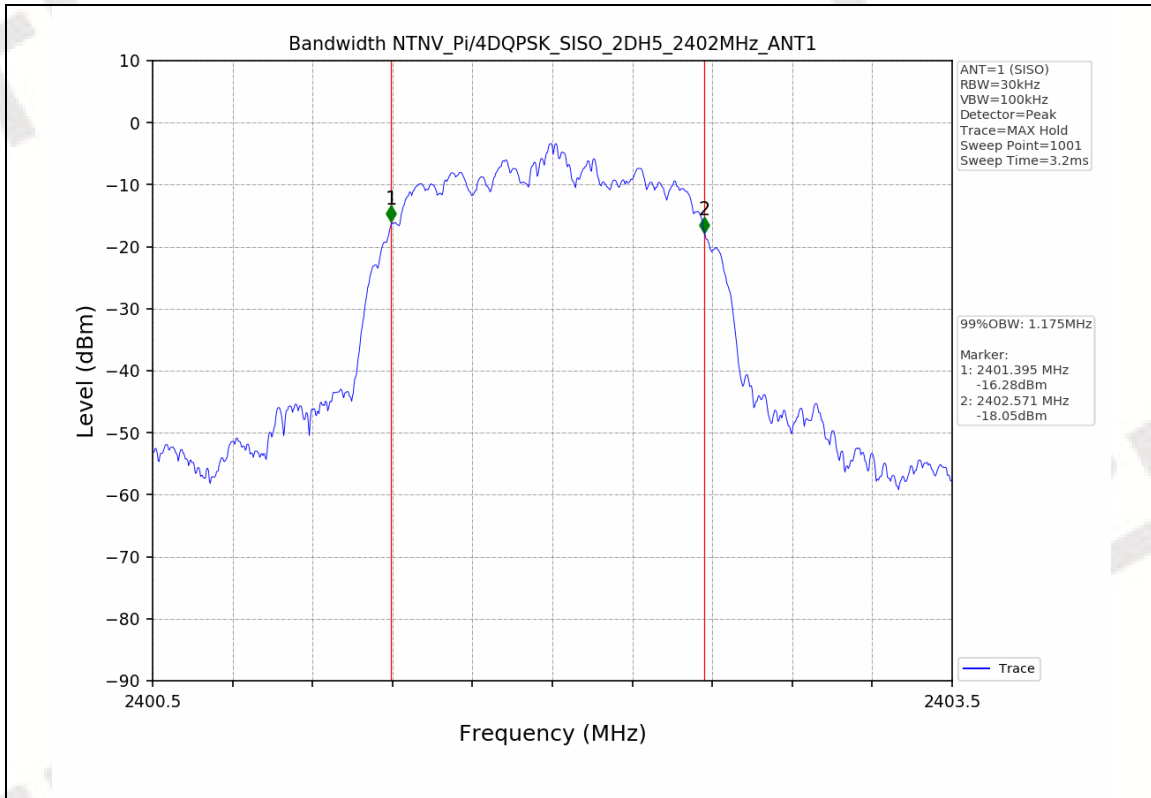


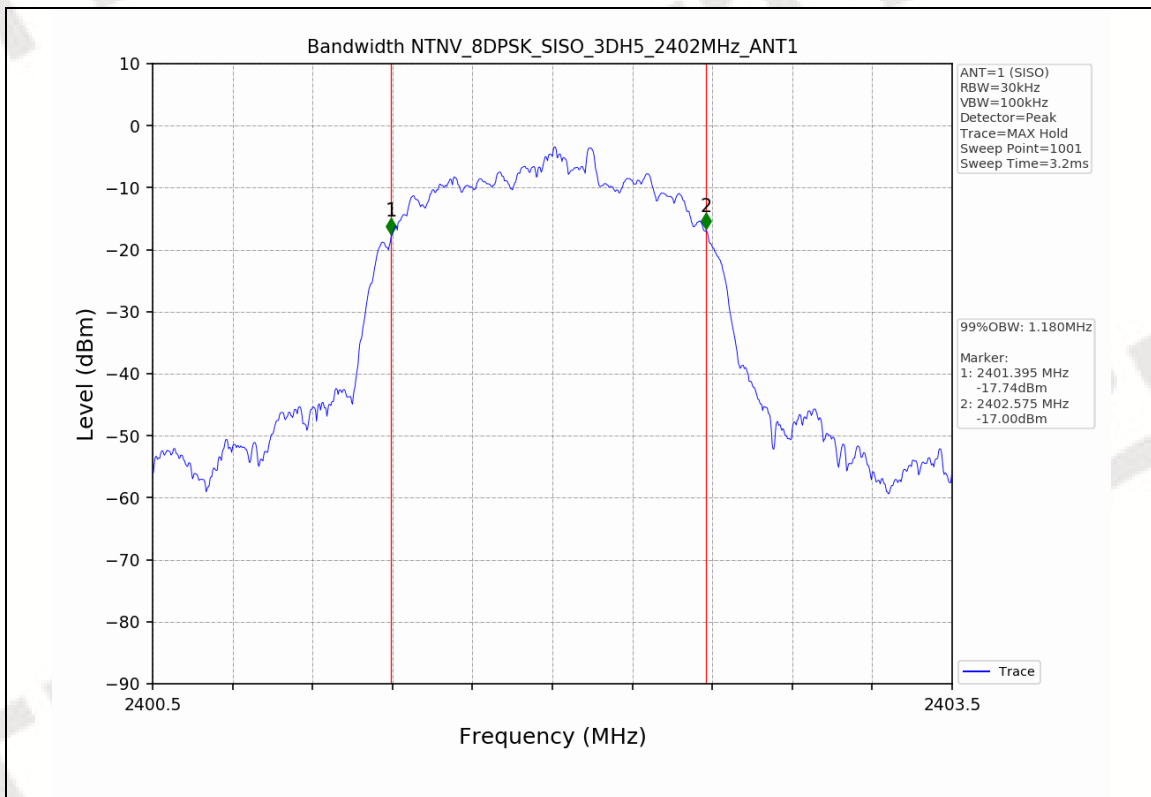
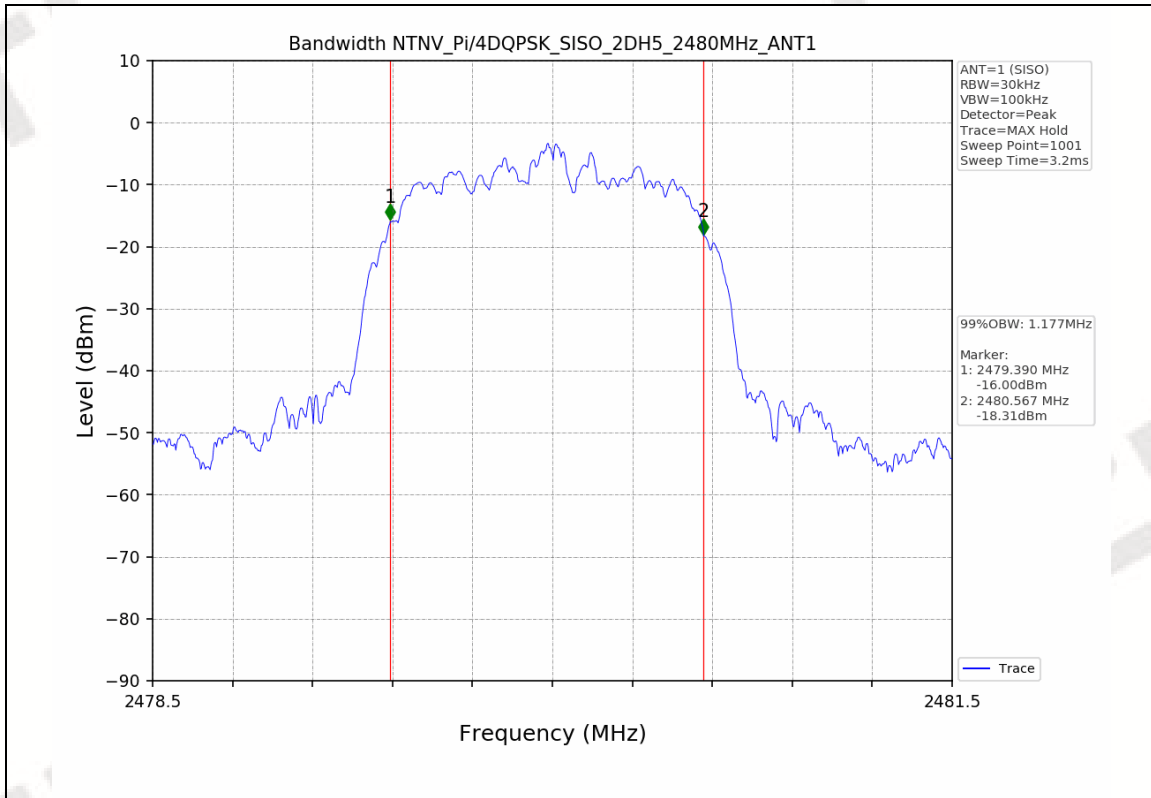


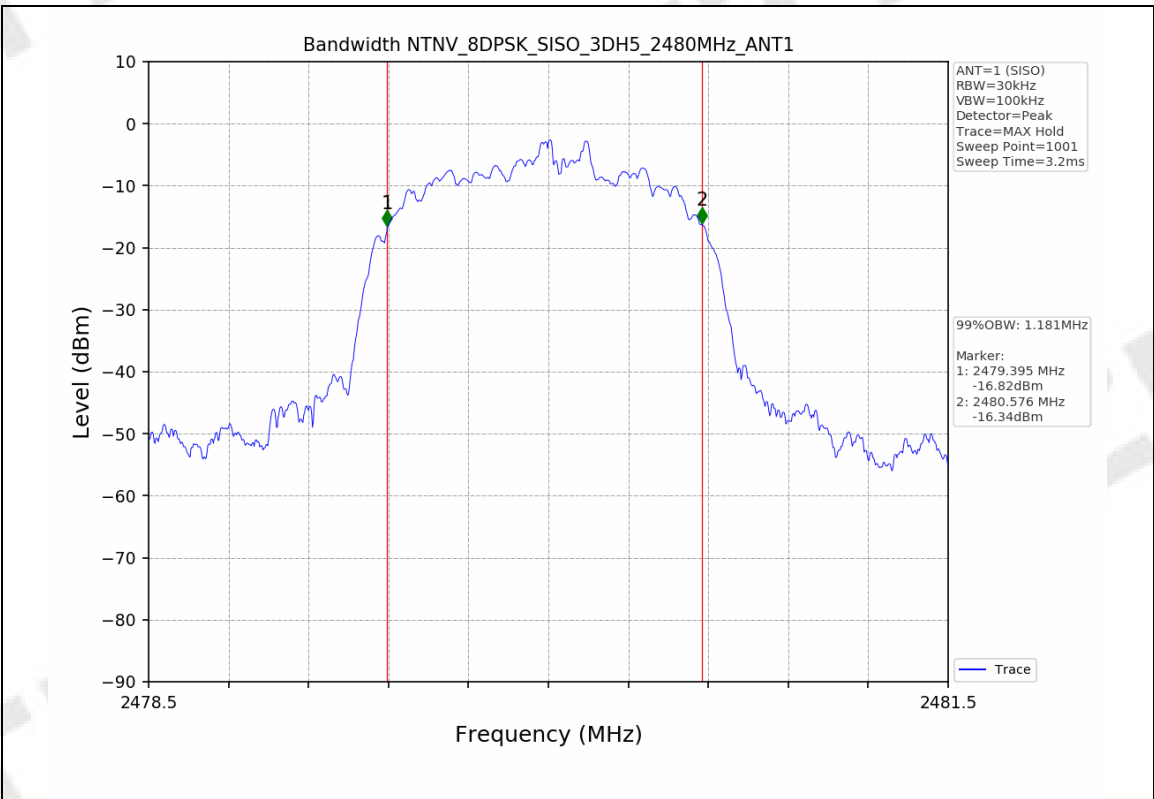
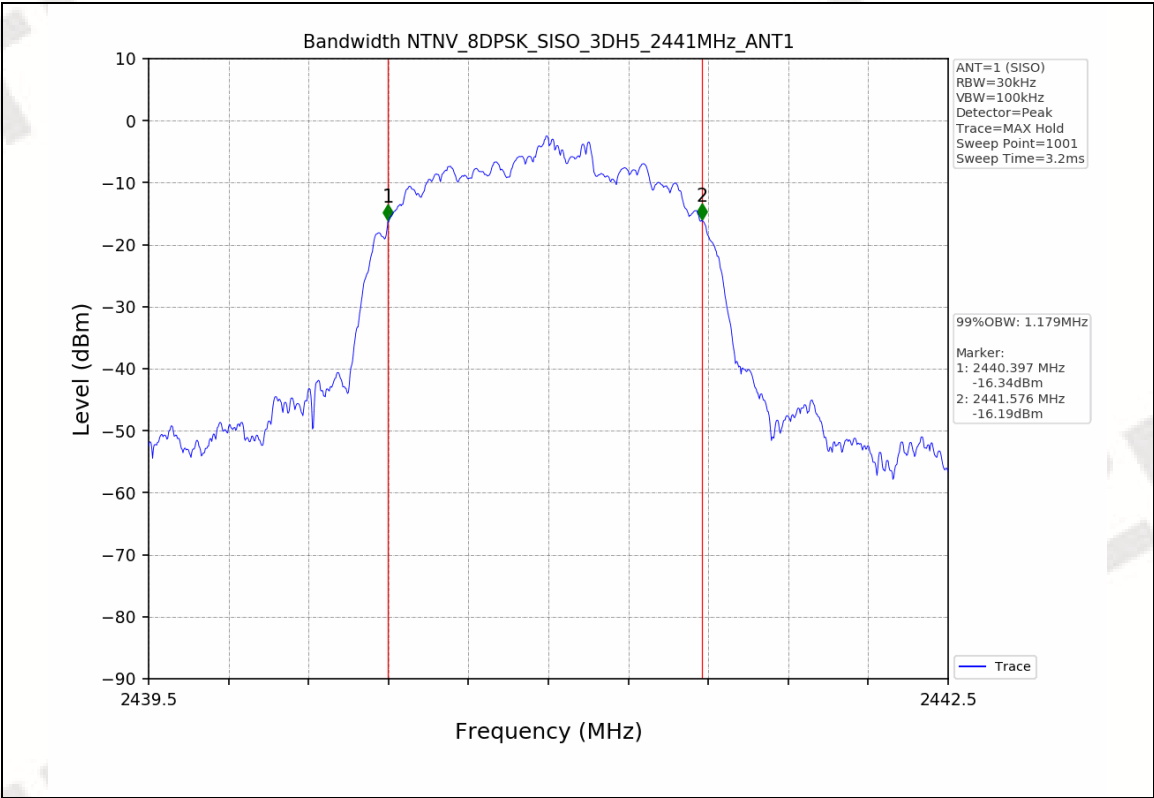
1.3 Test Graph - 99% Occupied Bandwidth









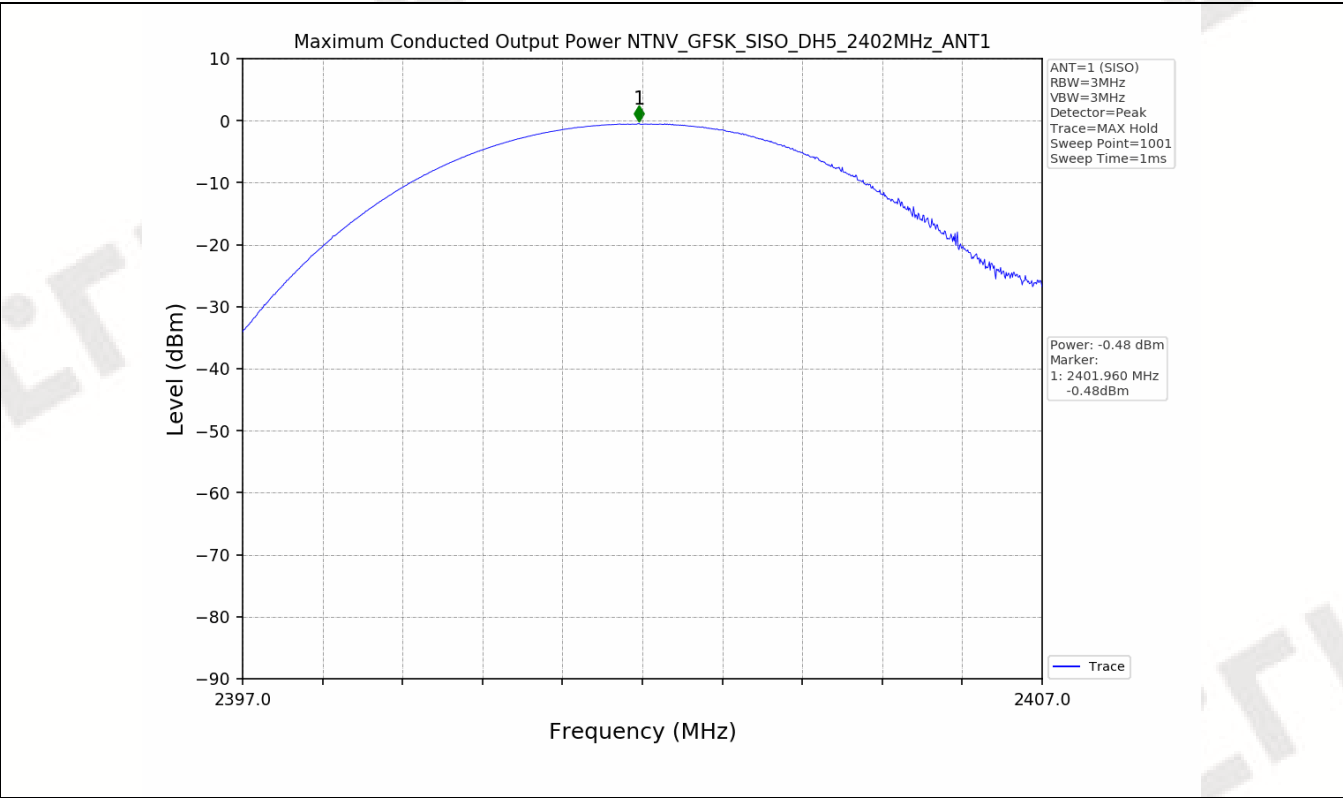


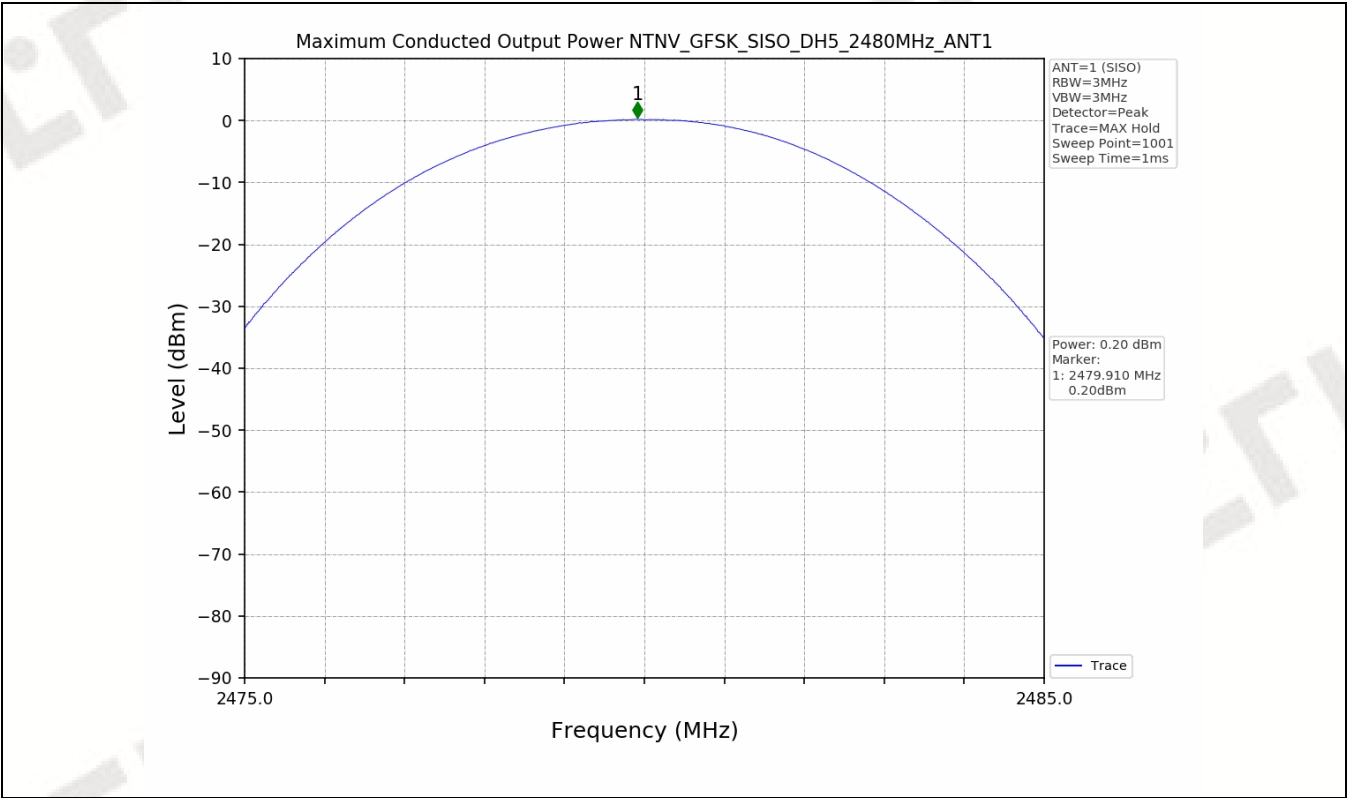
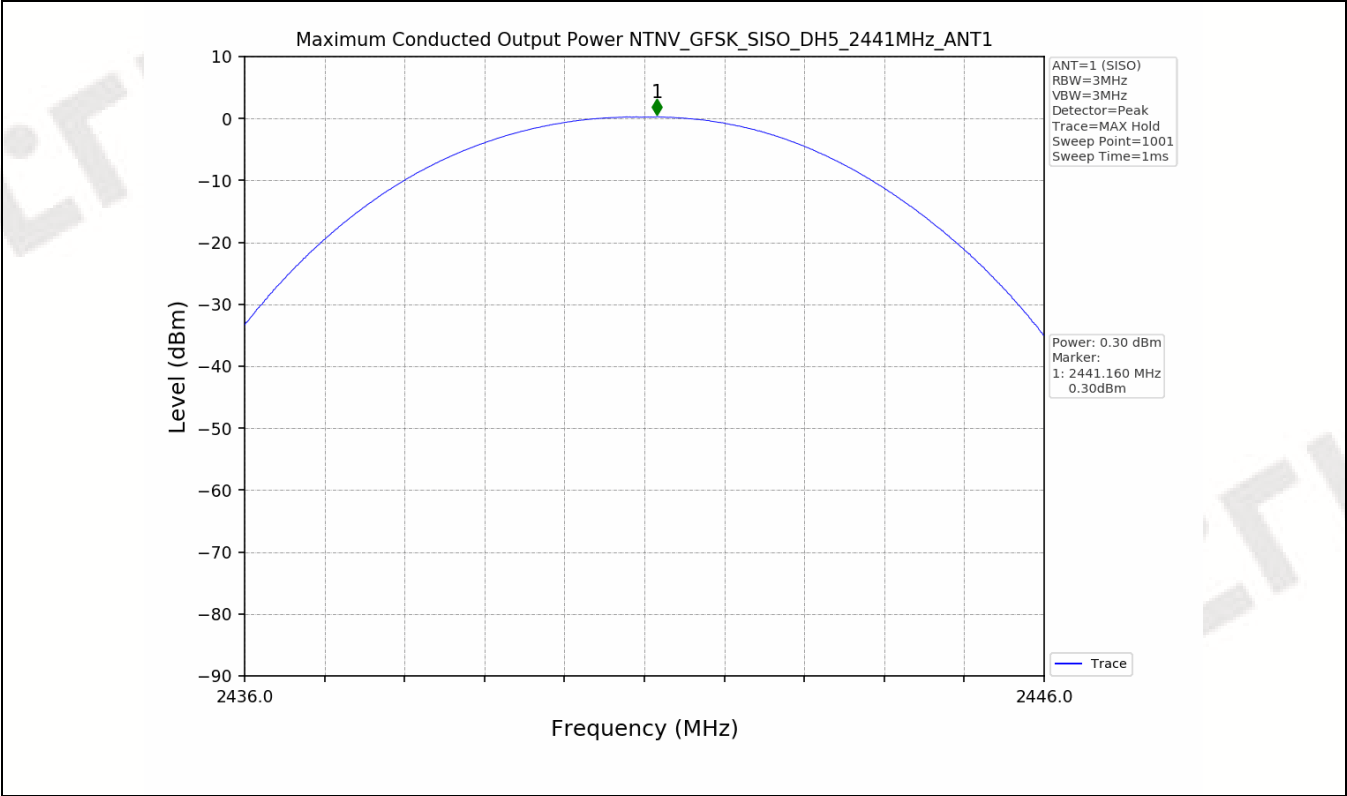
2. Maximum Conducted Output Power

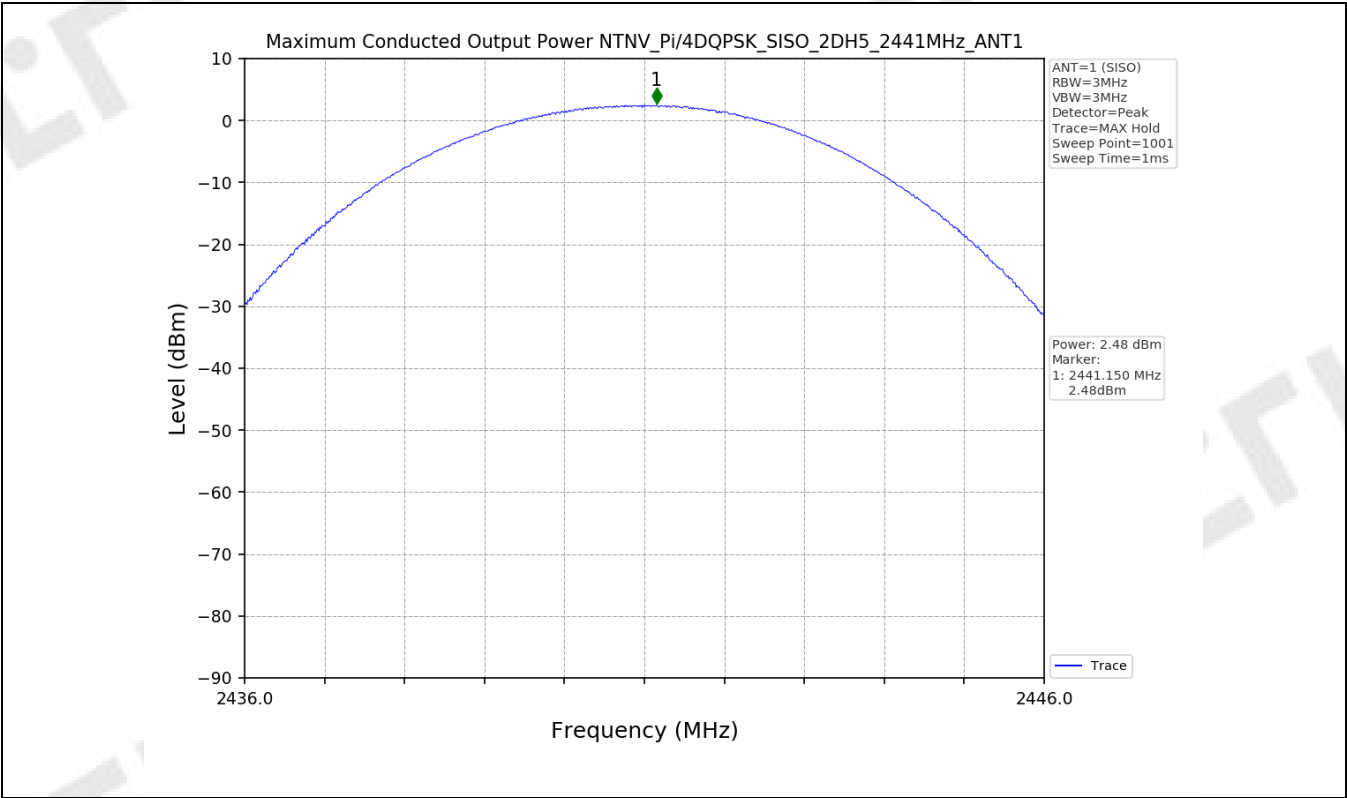
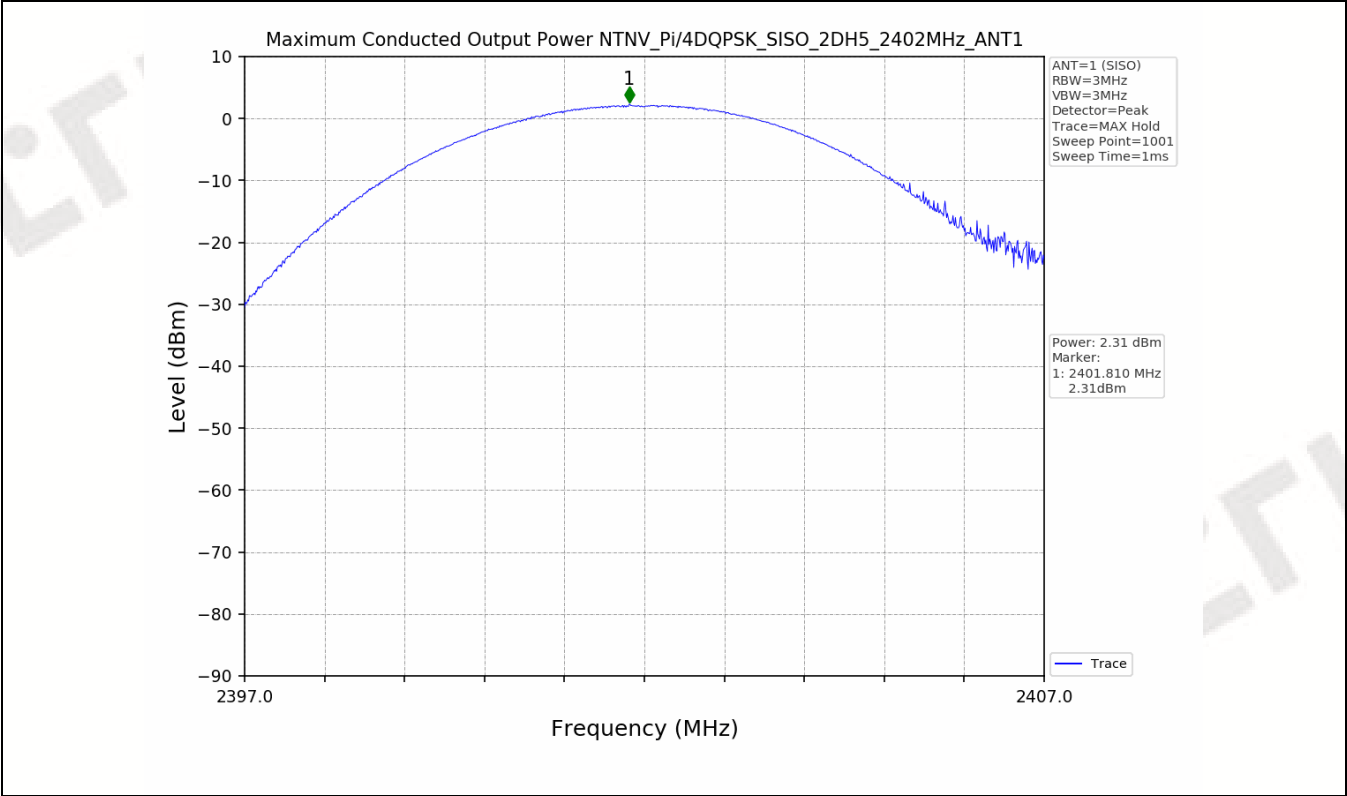
2.1 Test Result

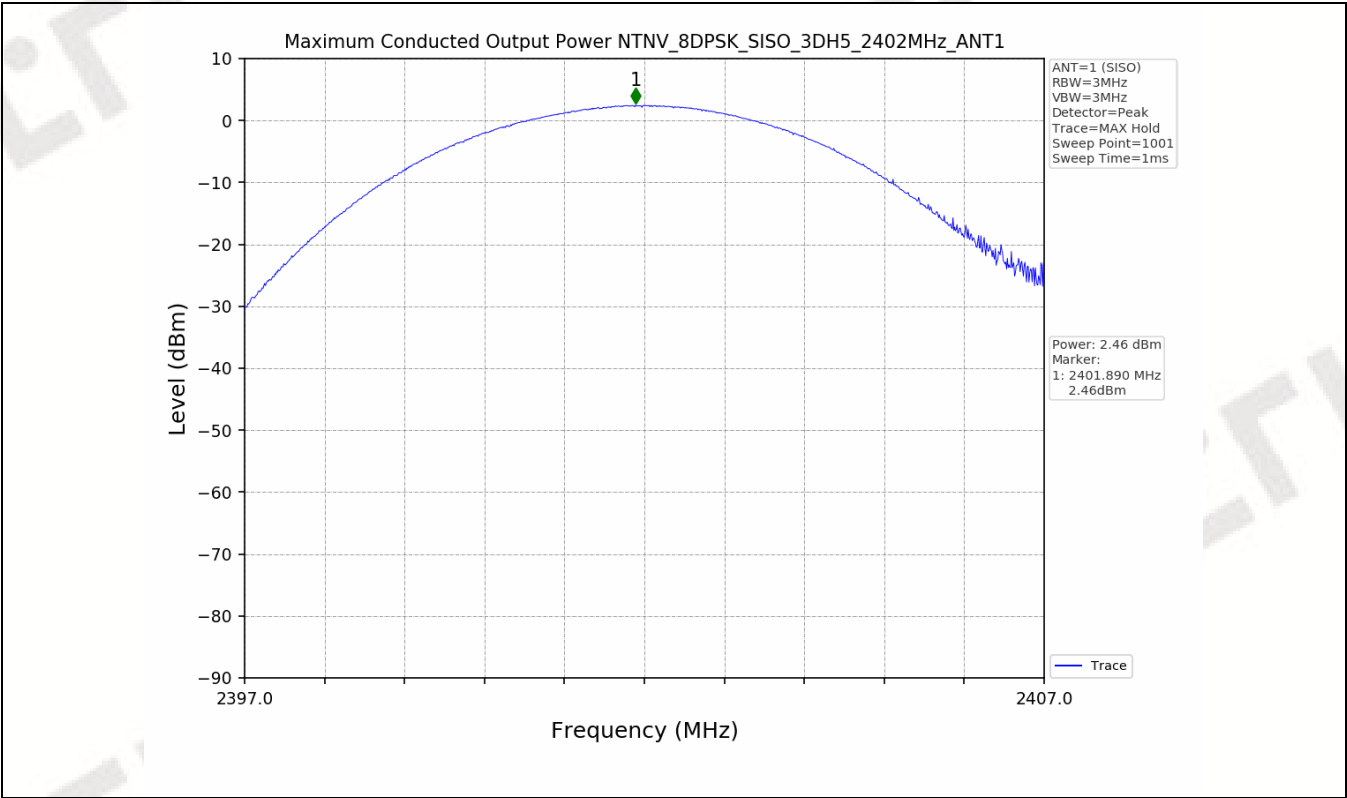
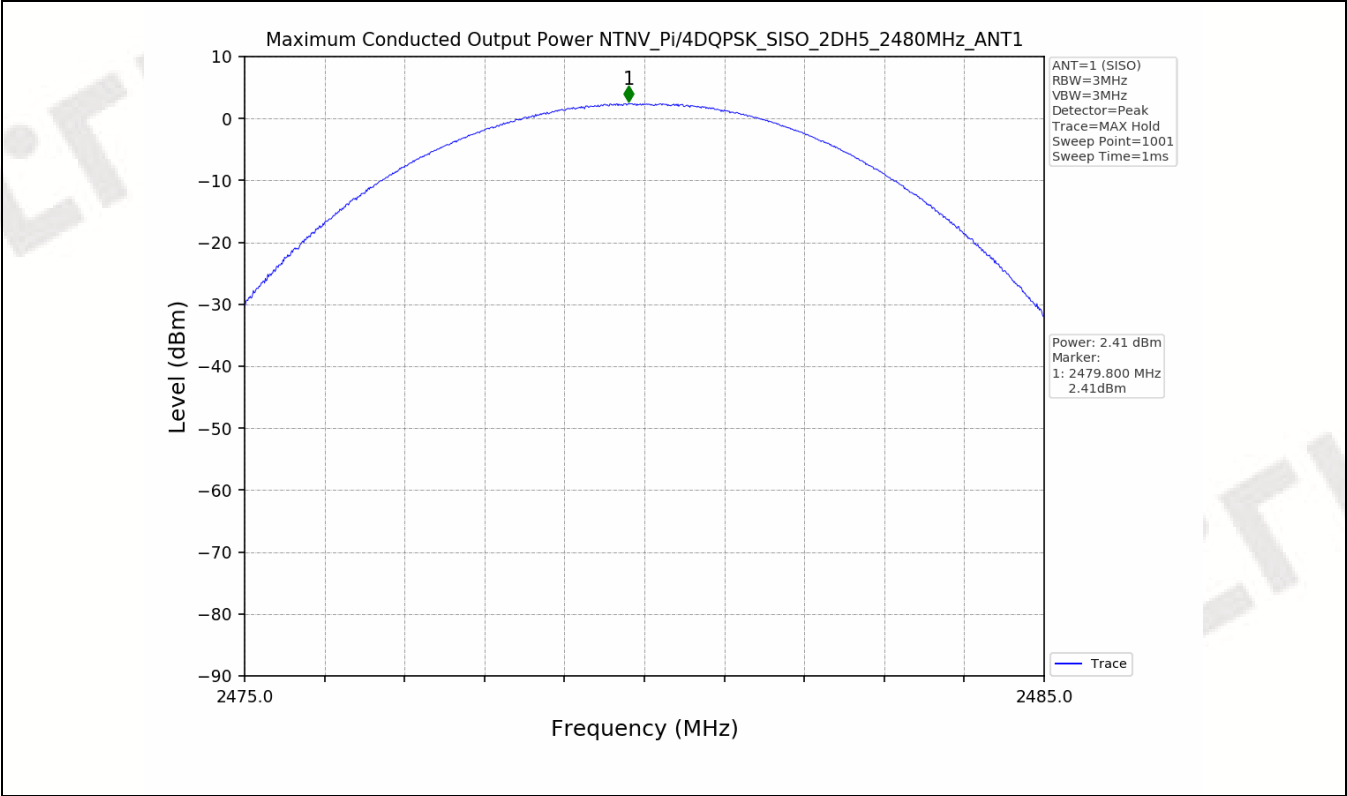
Test Mode	Frequency (MHz)	Tx Type	Measured Peak Output Power (dBm)	Limits (dBm)	Verdict
			Ant 1		
GFSK	2402	SISO	-0.48	30	PASS
	2441	SISO	0.30	30	PASS
	2480	SISO	0.20	30	PASS
Pi/4DQPSK	2402	SISO	2.31	20.97	PASS
	2441	SISO	2.48	20.97	PASS
	2480	SISO	2.41	20.97	PASS
8DPSK	2402	SISO	2.46	20.97	PASS
	2441	SISO	3.29	20.97	PASS
	2480	SISO	3.17	20.97	PASS

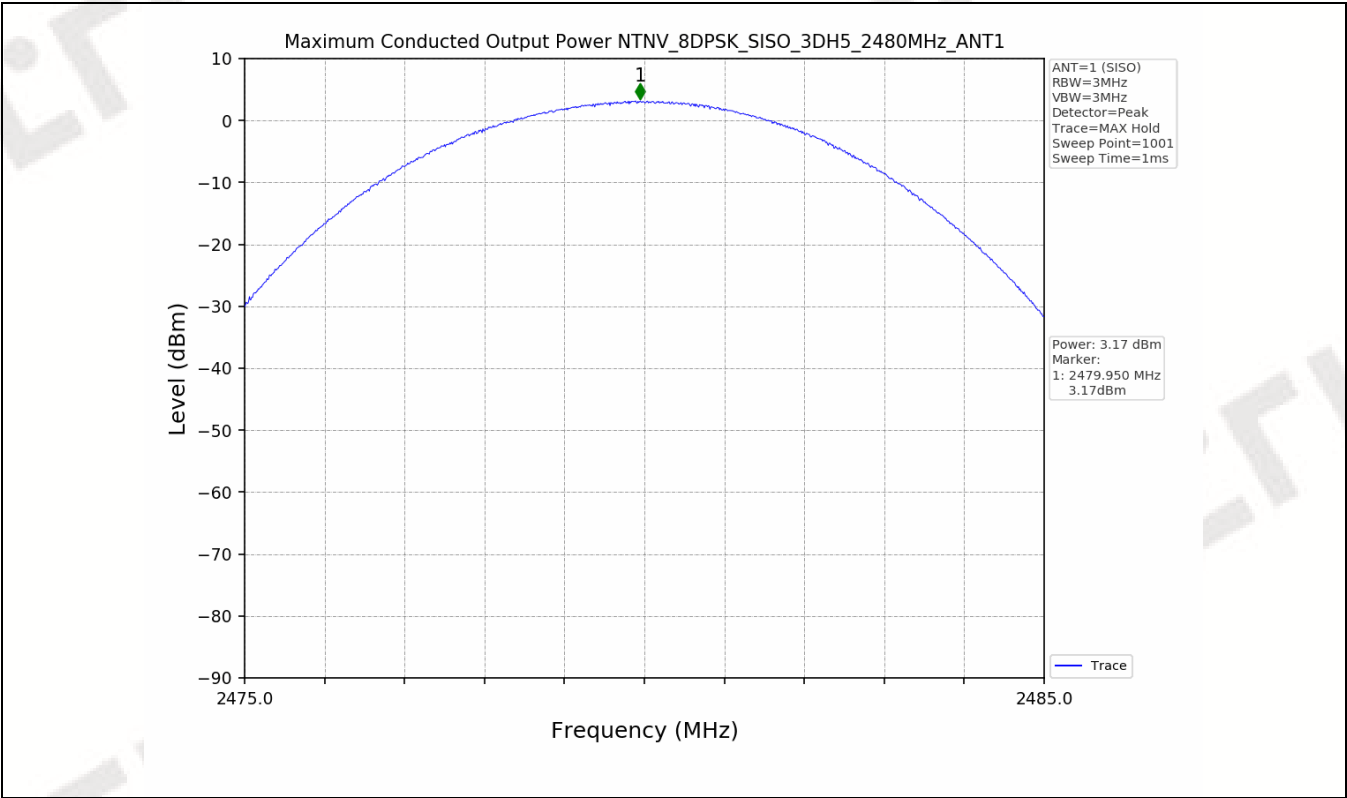
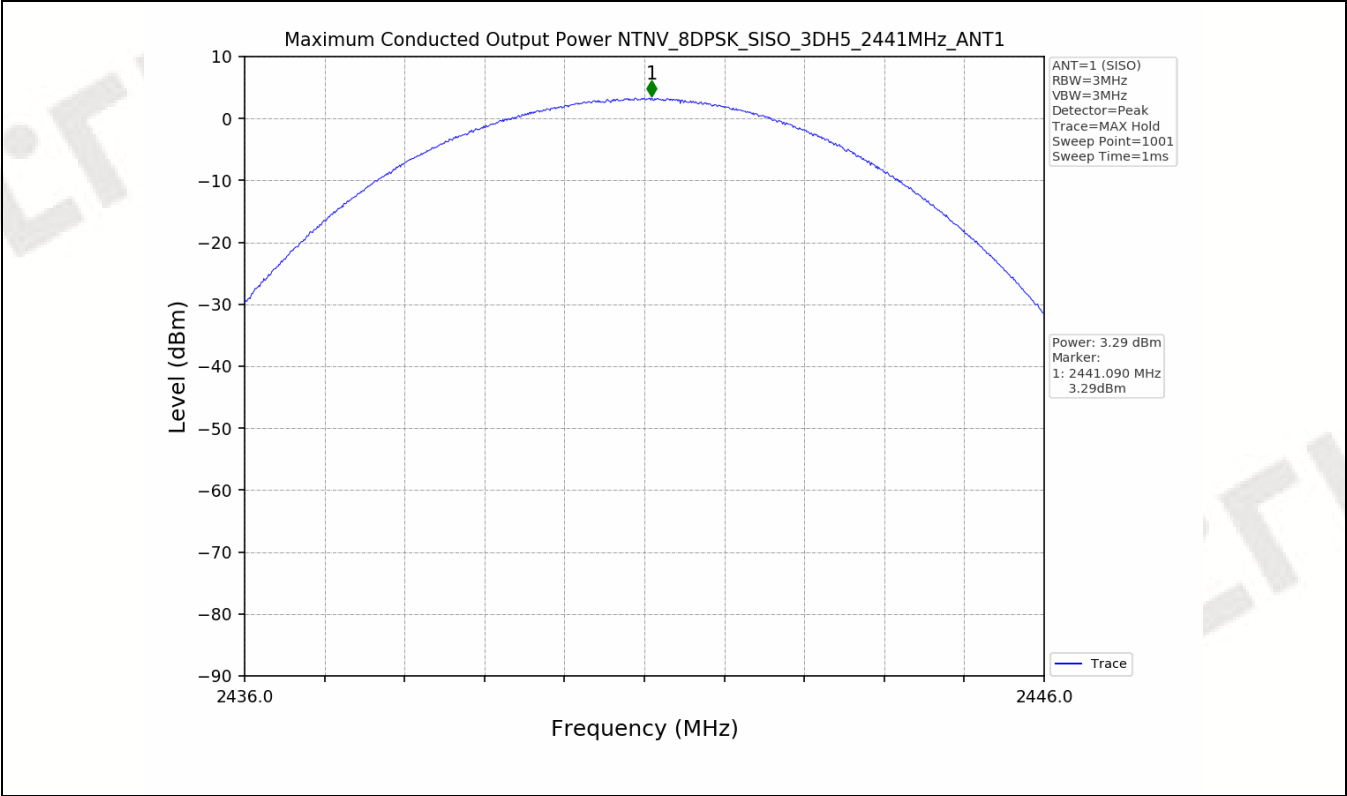
2.2 Test Graph









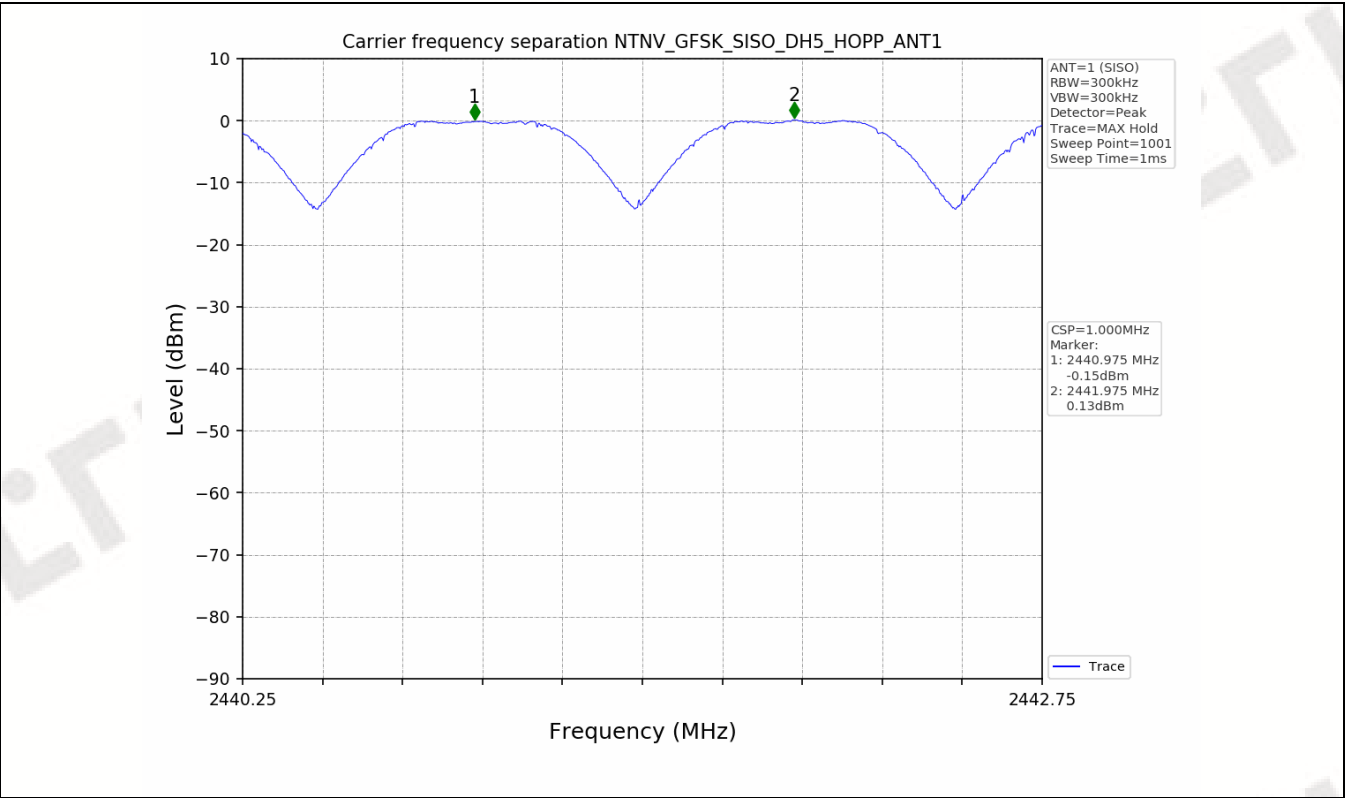


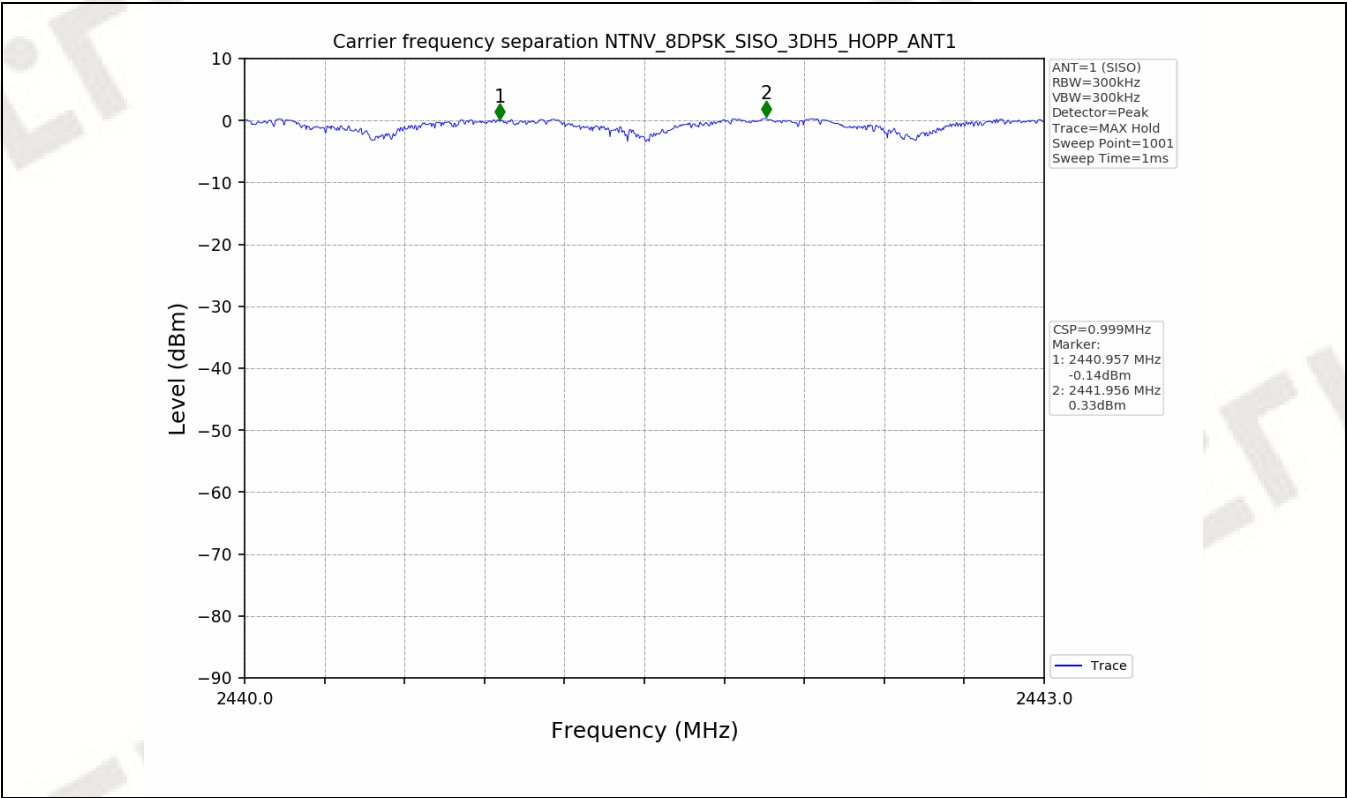
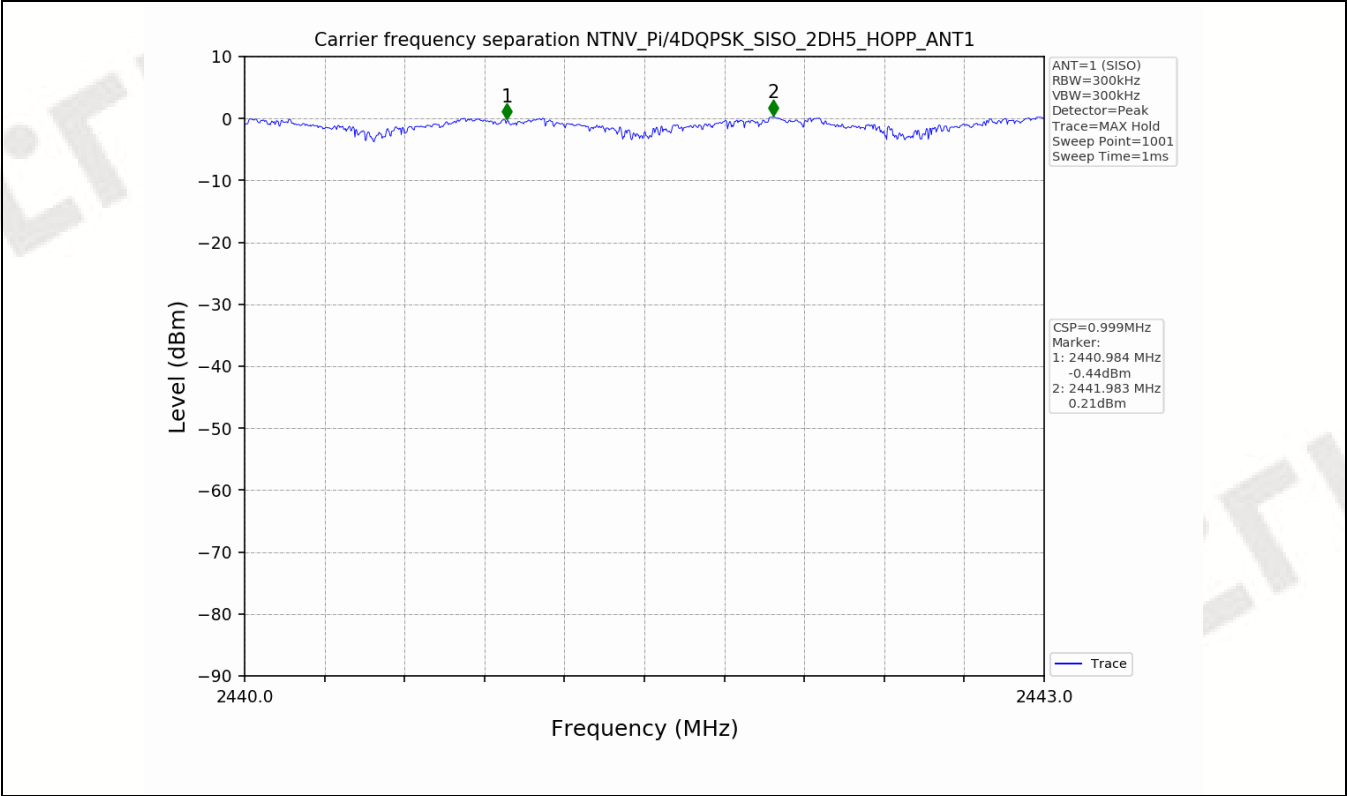
3. Carrier frequency separation

3.1 Test Result

Test Mode	TX Type	ANT No.	Channel Separation (MHz)	20dB Bandwidth (MHz)	Limits (MHz)	Verdict
GFSK	SISO	1	1.000	0.944	≥ 0.944	PASS
Pi/4DQPSK	SISO	1	0.999	1.317	≥ 0.878	PASS
8DPSK	SISO	1	0.999	1.312	≥ 0.875	PASS

3.2 Test Graph



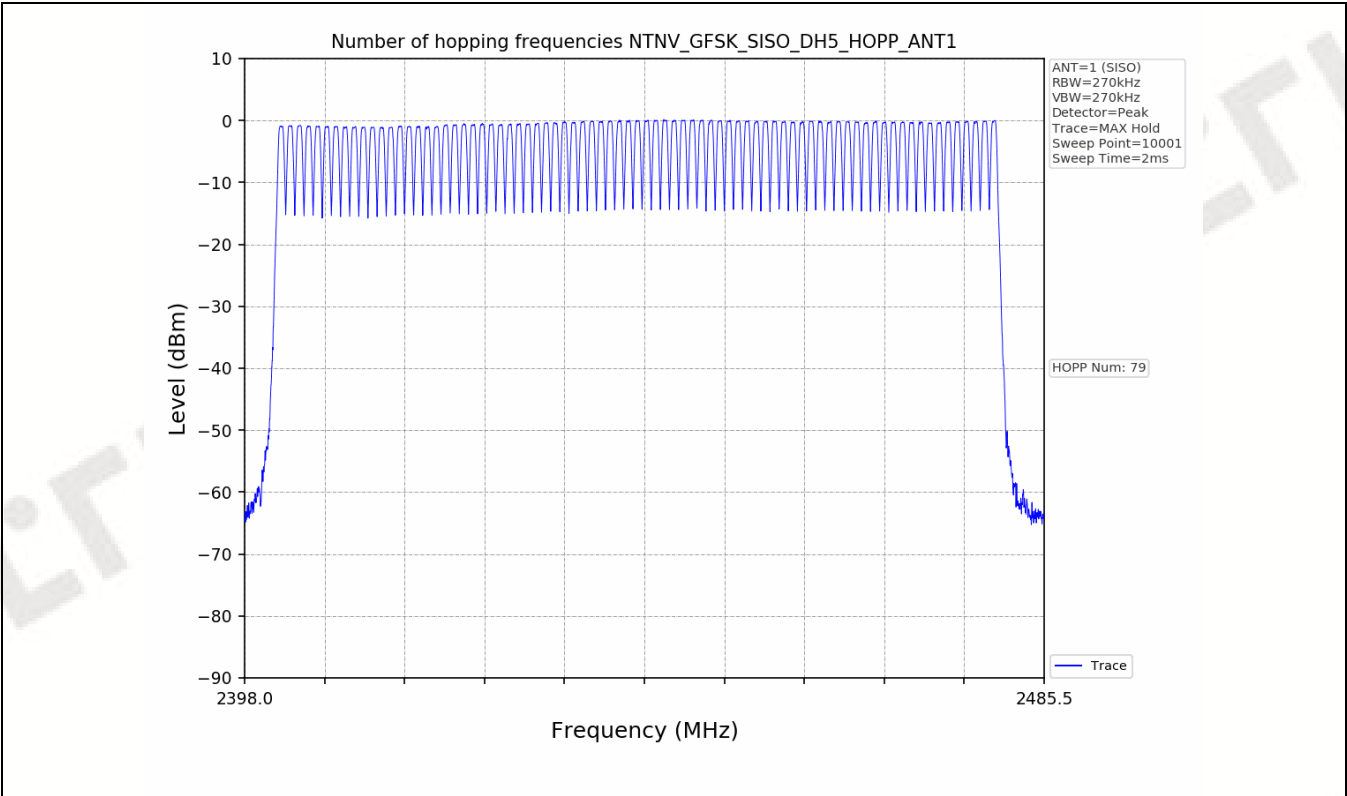


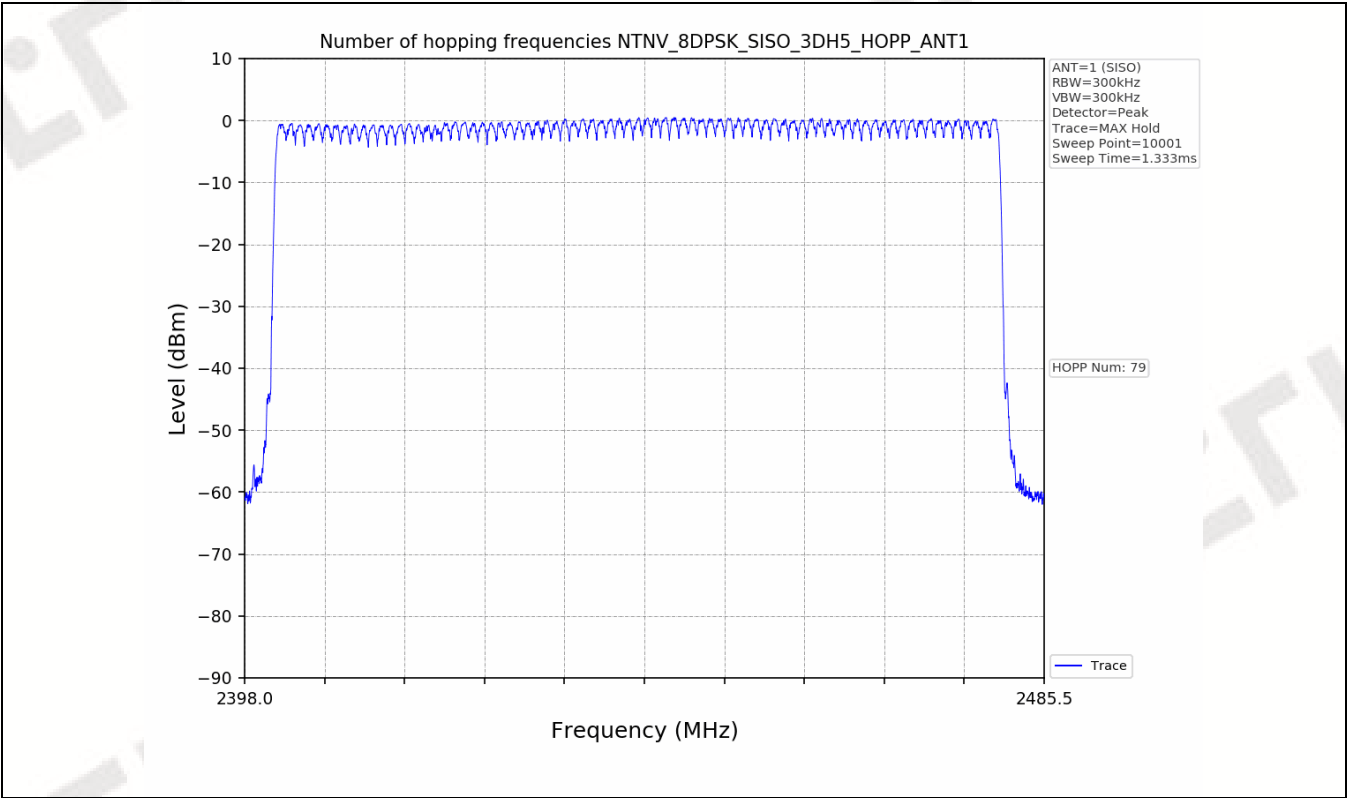
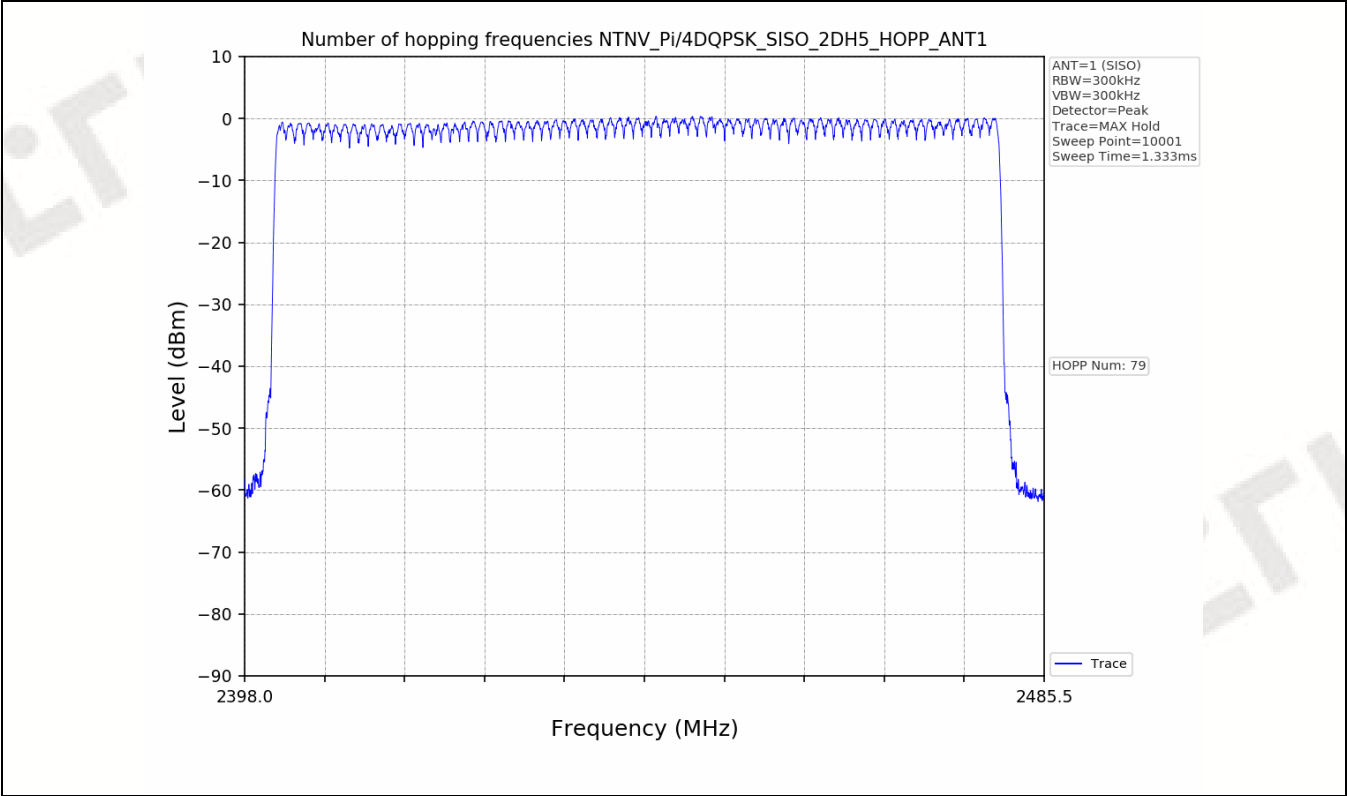
4. Number of hopping frequencies

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



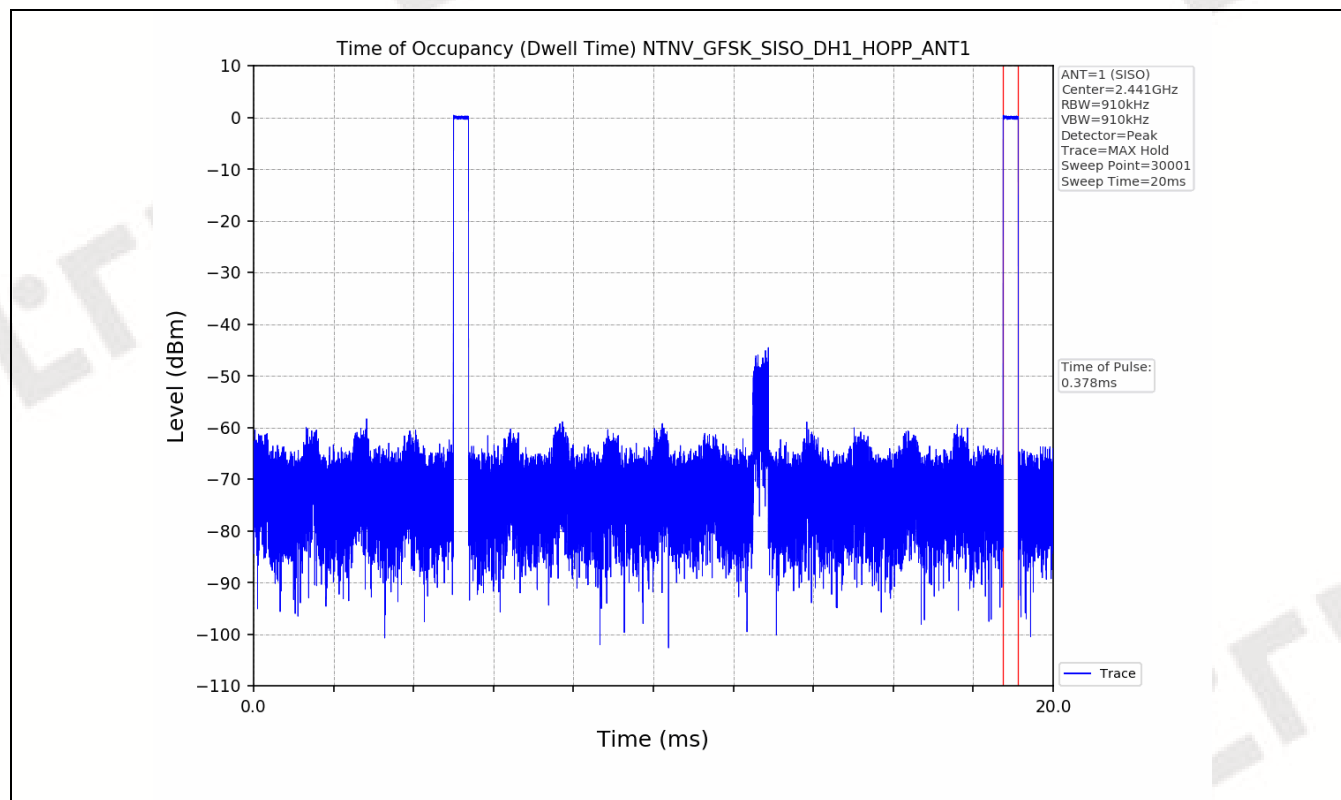


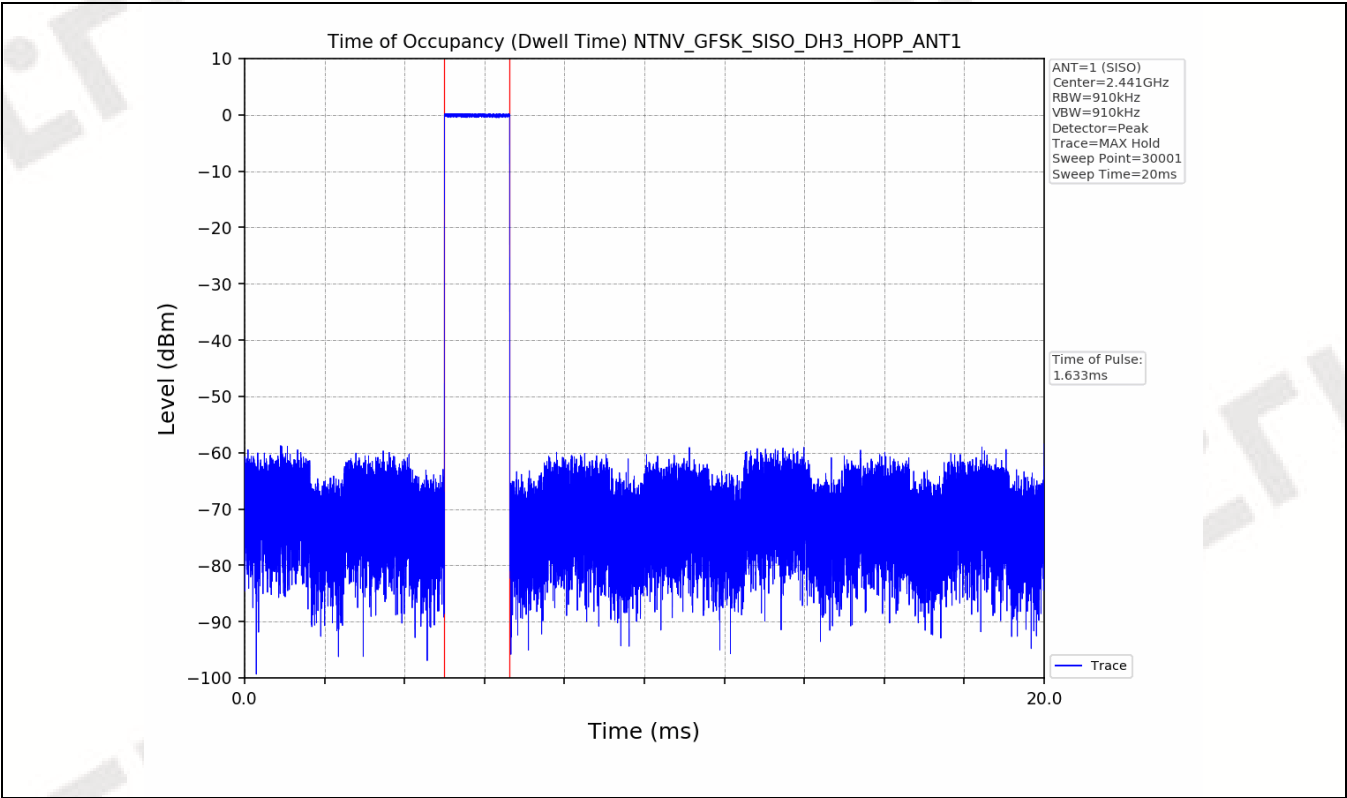
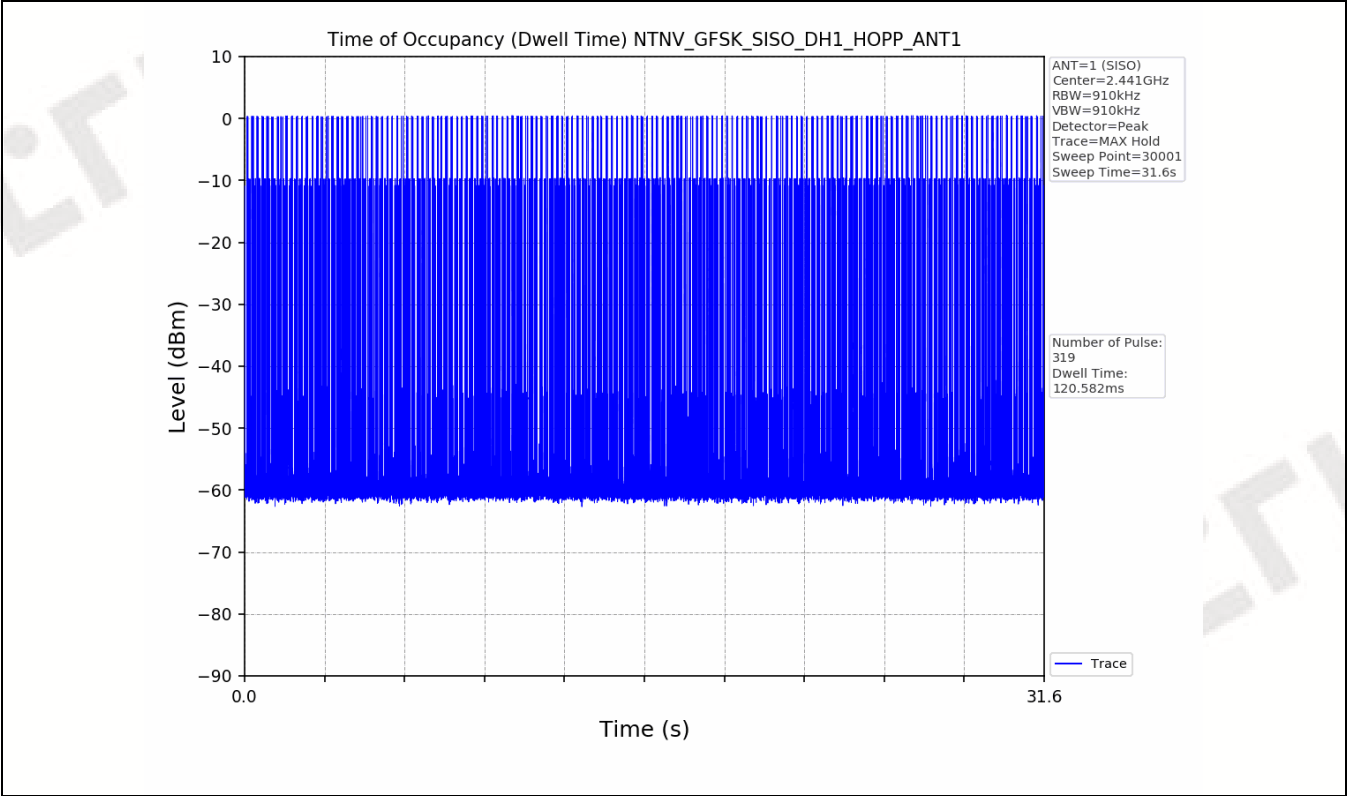
5. Time of Occupancy (Dwell Time)

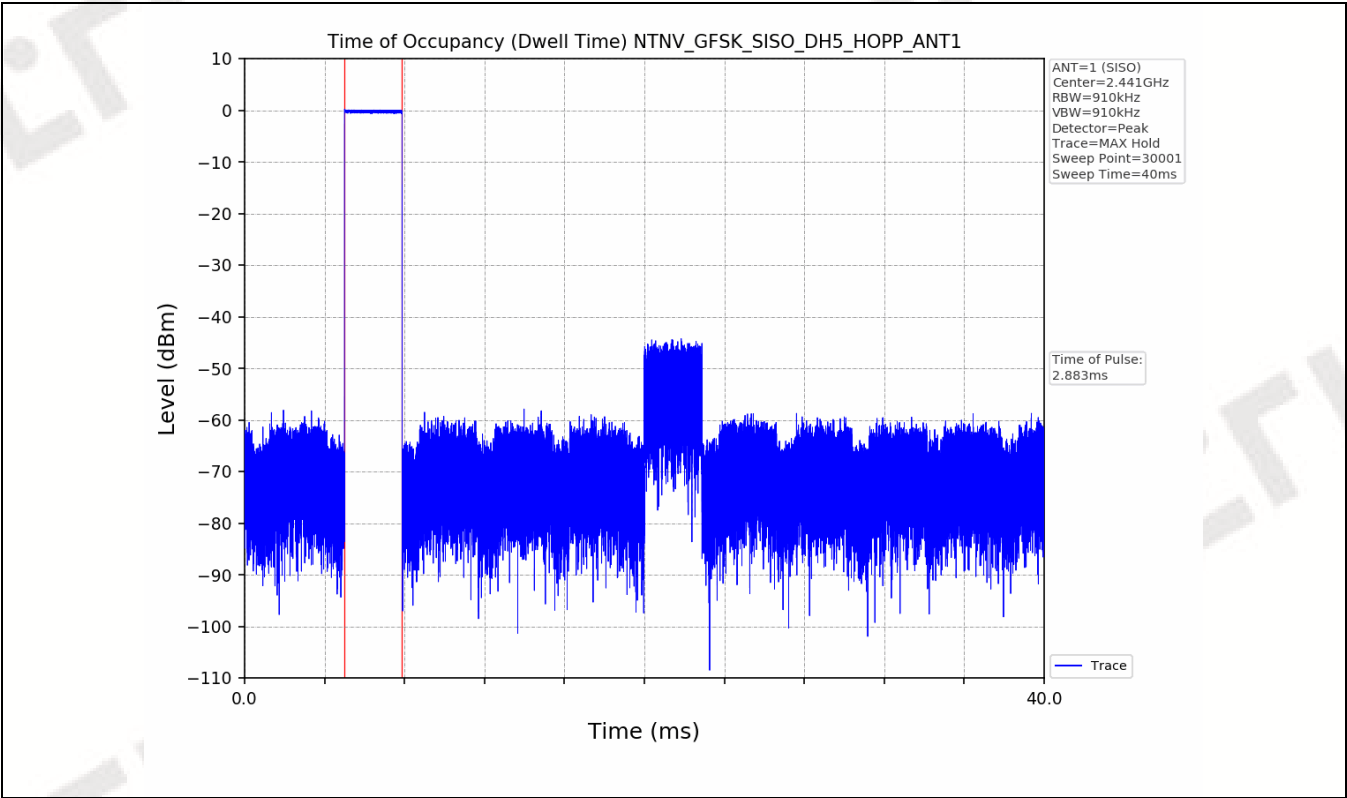
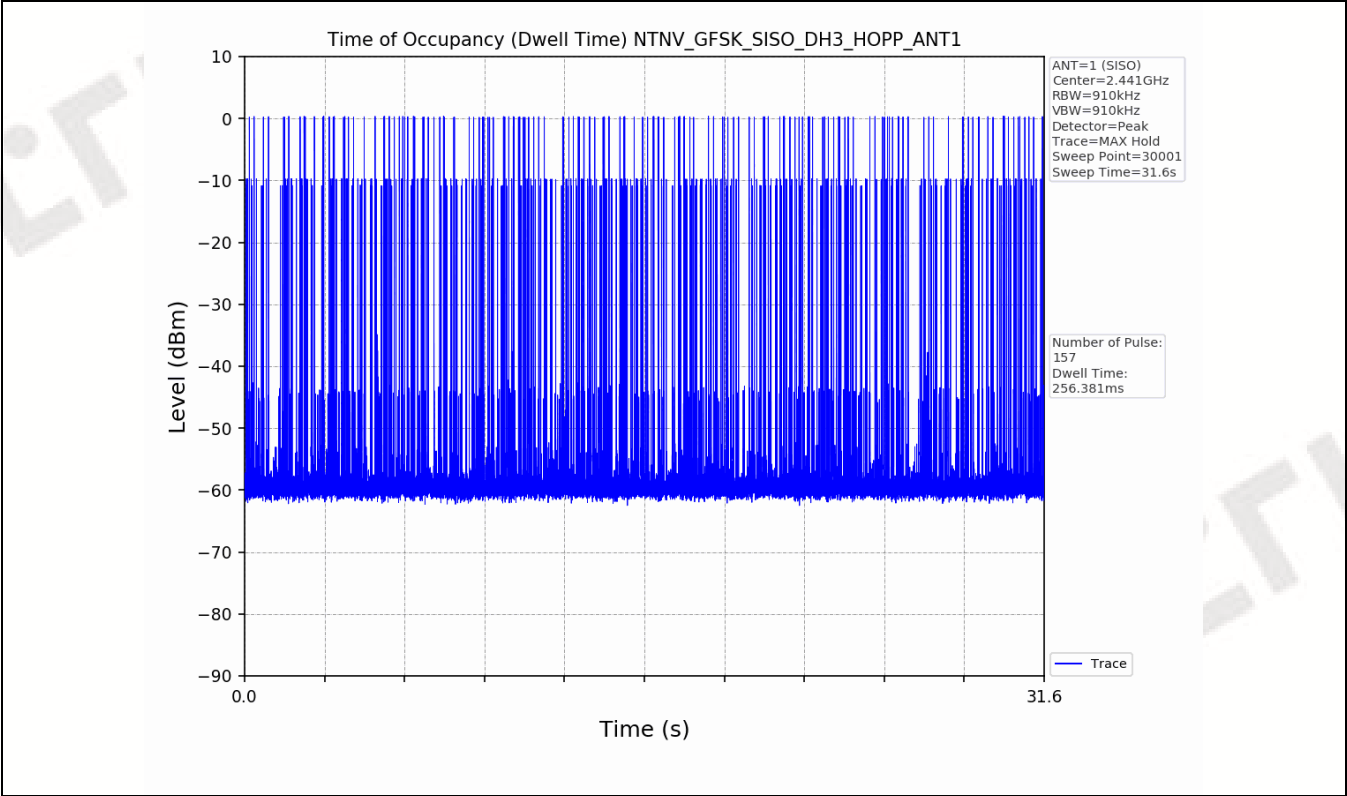
5.1 Test Result

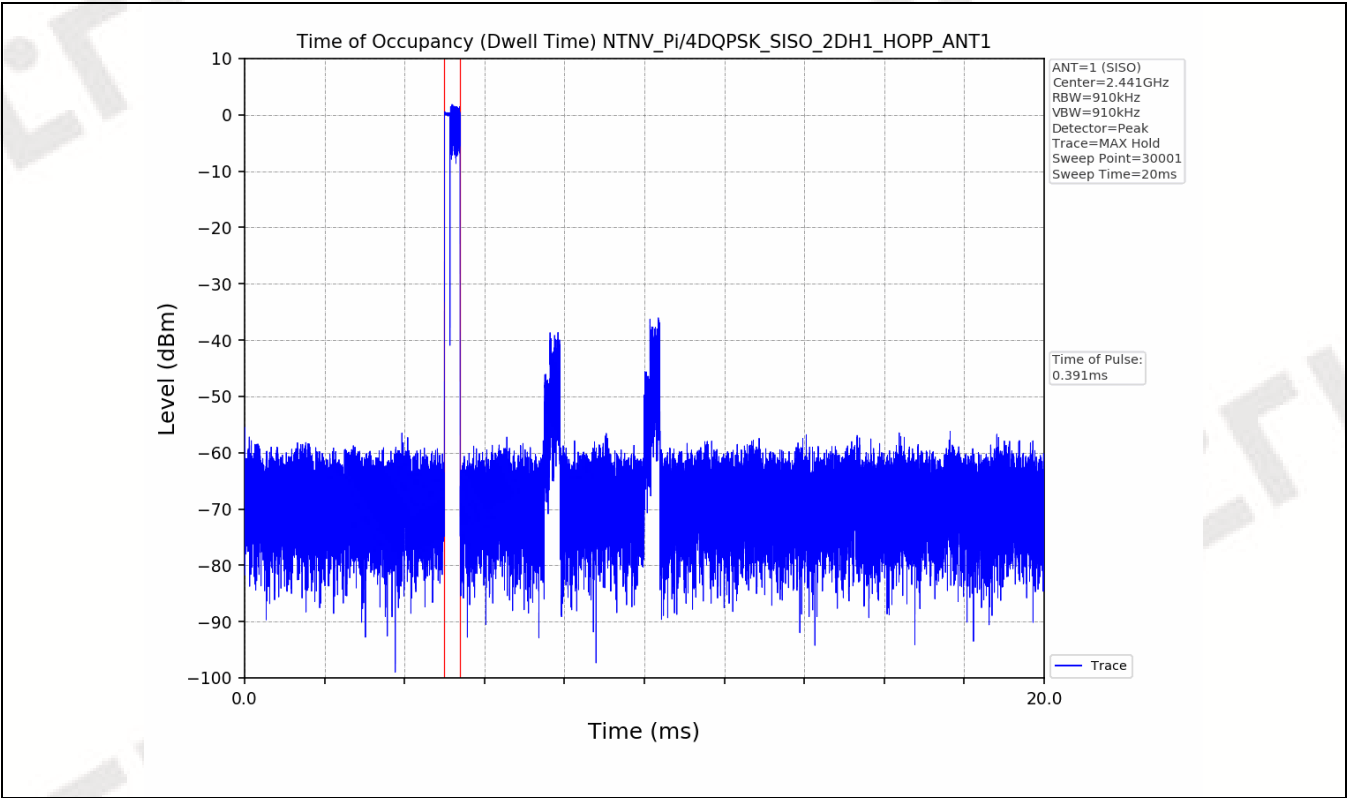
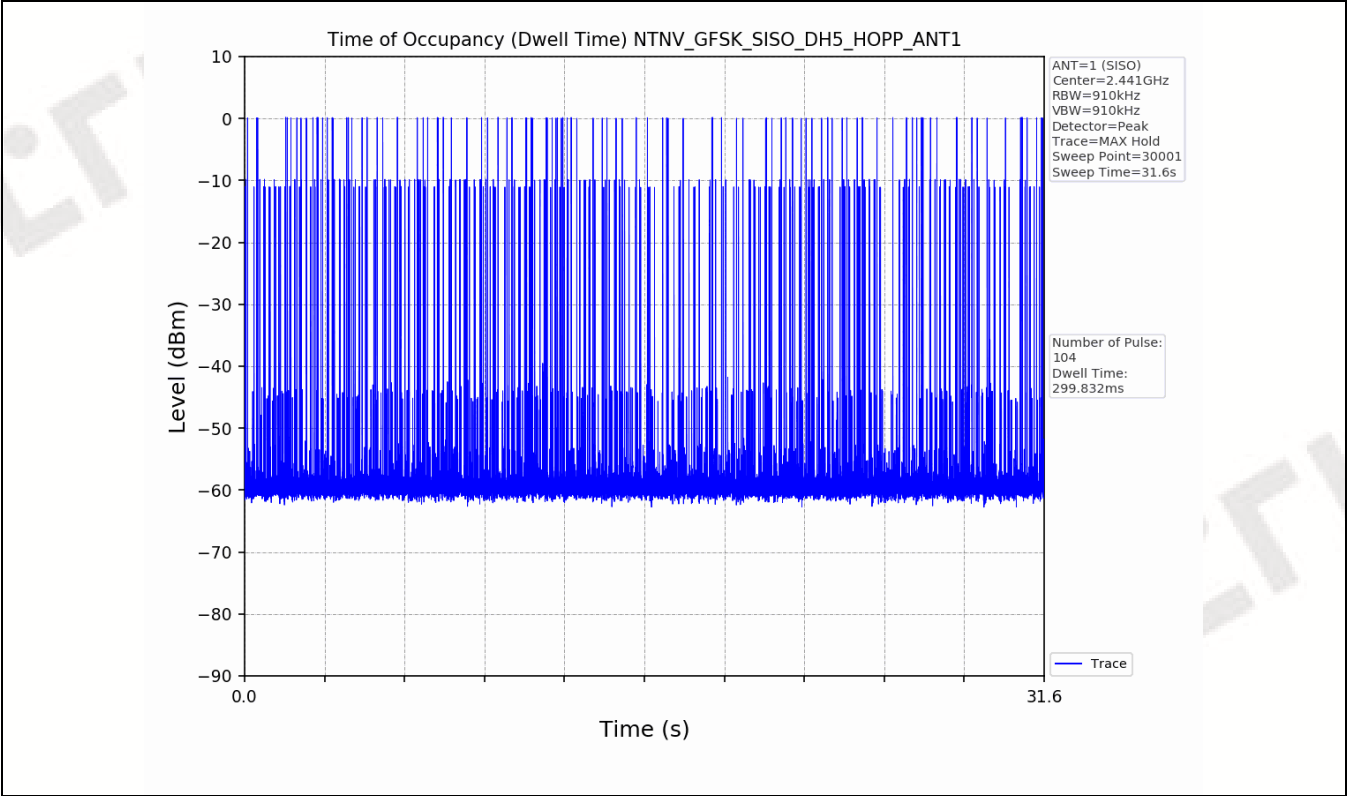
Test Mode	Packet Type	TX Type	ANT No.	Duration of Single Pulse (ms)	Obeservation Period (s)	Num of Pulse in Observation Period	Dwell Time (ms)	Limits (ms)	Verdict
GFSK	DH1	SISO	1	0.378	31.6	319	120.582	≤400	PASS
	DH3	SISO	1	1.633	31.6	157	256.381	≤400	PASS
	DH5	SISO	1	2.883	31.6	104	299.832	≤400	PASS
Pi/4D QPS K	2DH1	SISO	1	0.391	31.6	320	125.120	≤400	PASS
	2DH3	SISO	1	1.643	31.6	157	257.951	≤400	PASS
	2DH5	SISO	1	2.895	31.6	123	356.085	≤400	PASS
8DPS K	3DH1	SISO	1	0.377	31.6	320	120.640	≤400	PASS
	3DH3	SISO	1	1.646	31.6	161	265.006	≤400	PASS
	3DH5	SISO	1	2.897	31.6	100	289.700	≤400	PASS

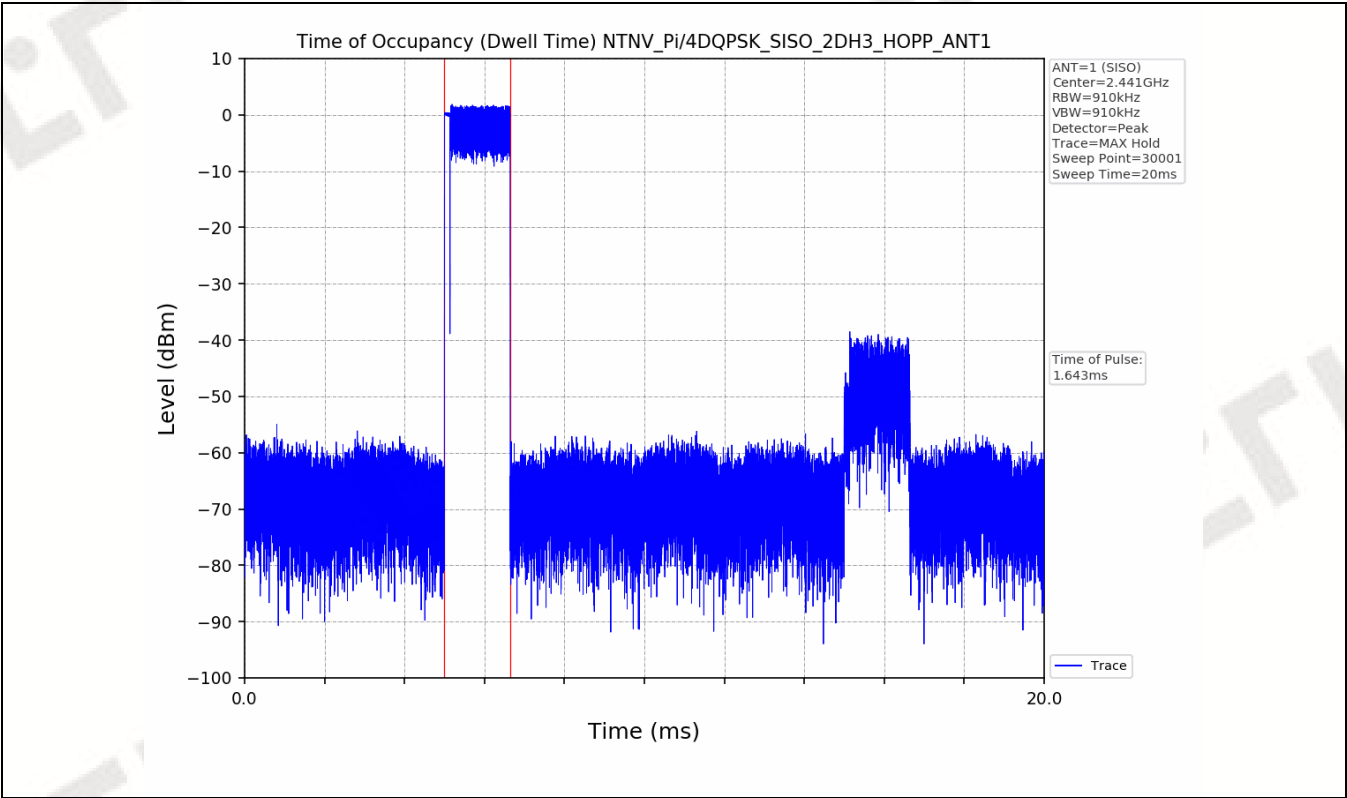
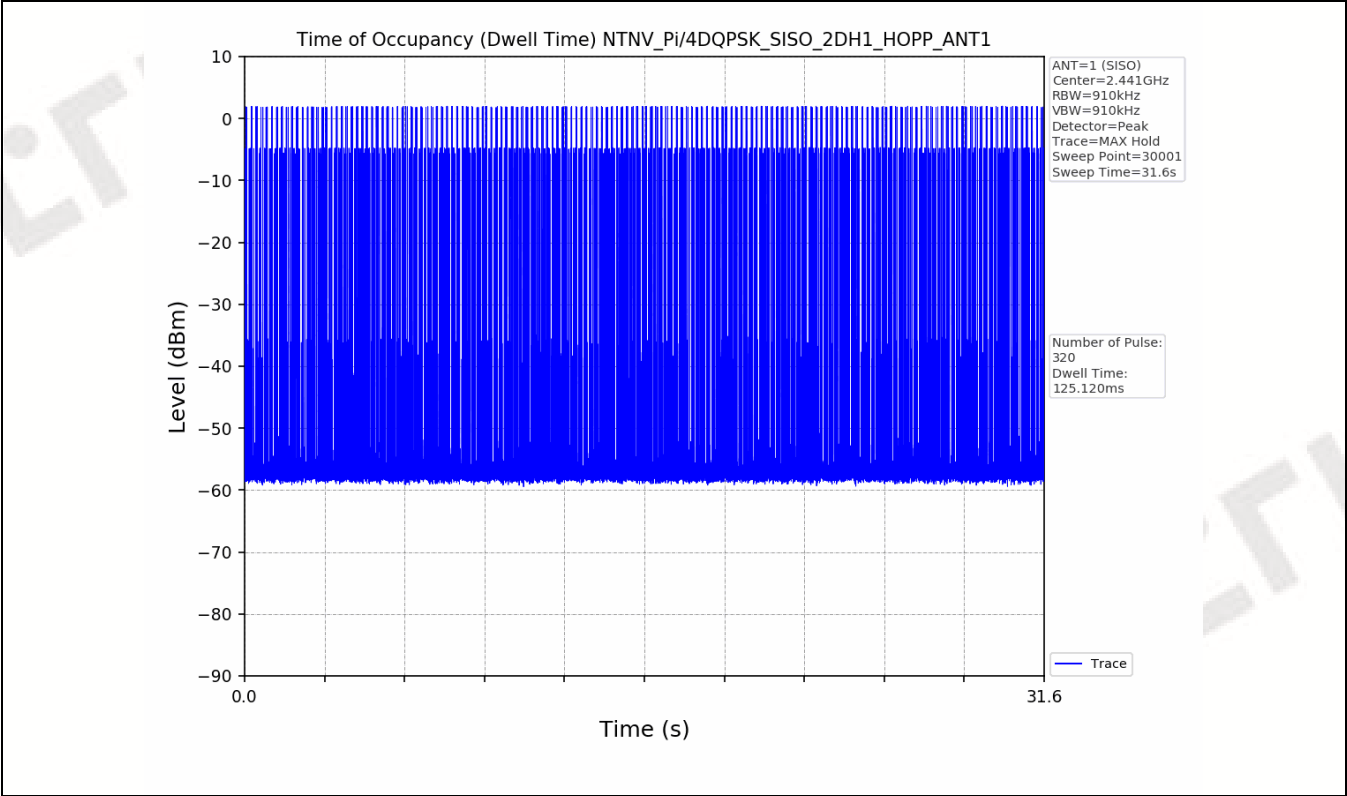
5.2 Test Graph

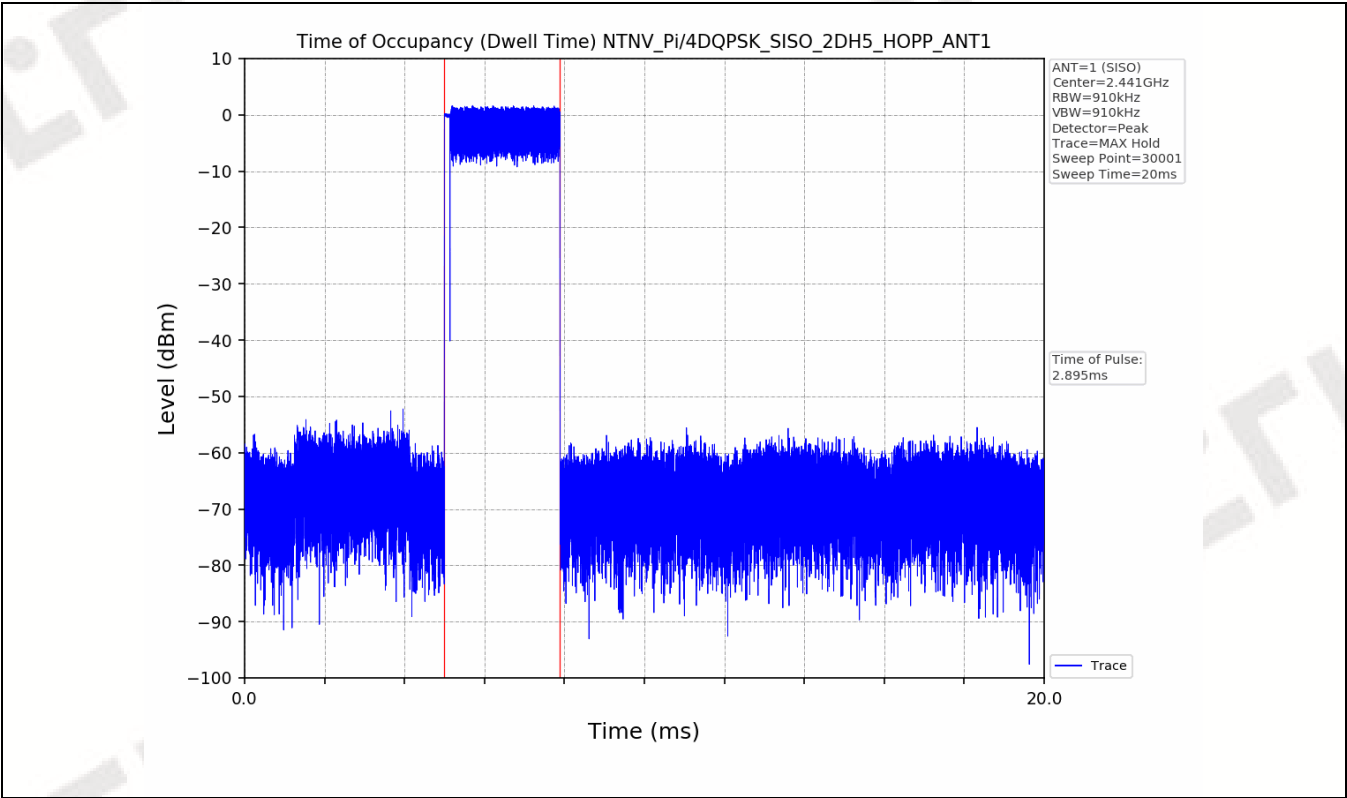
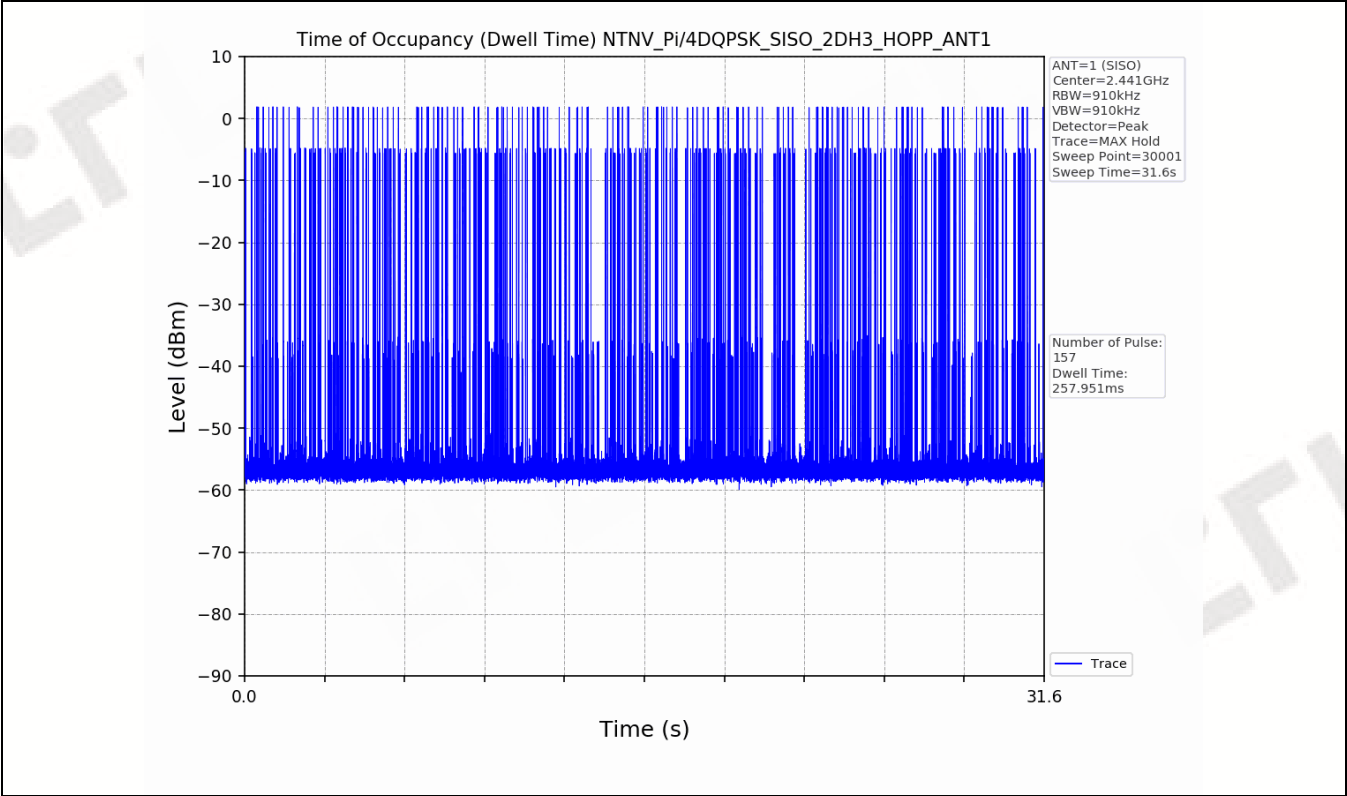


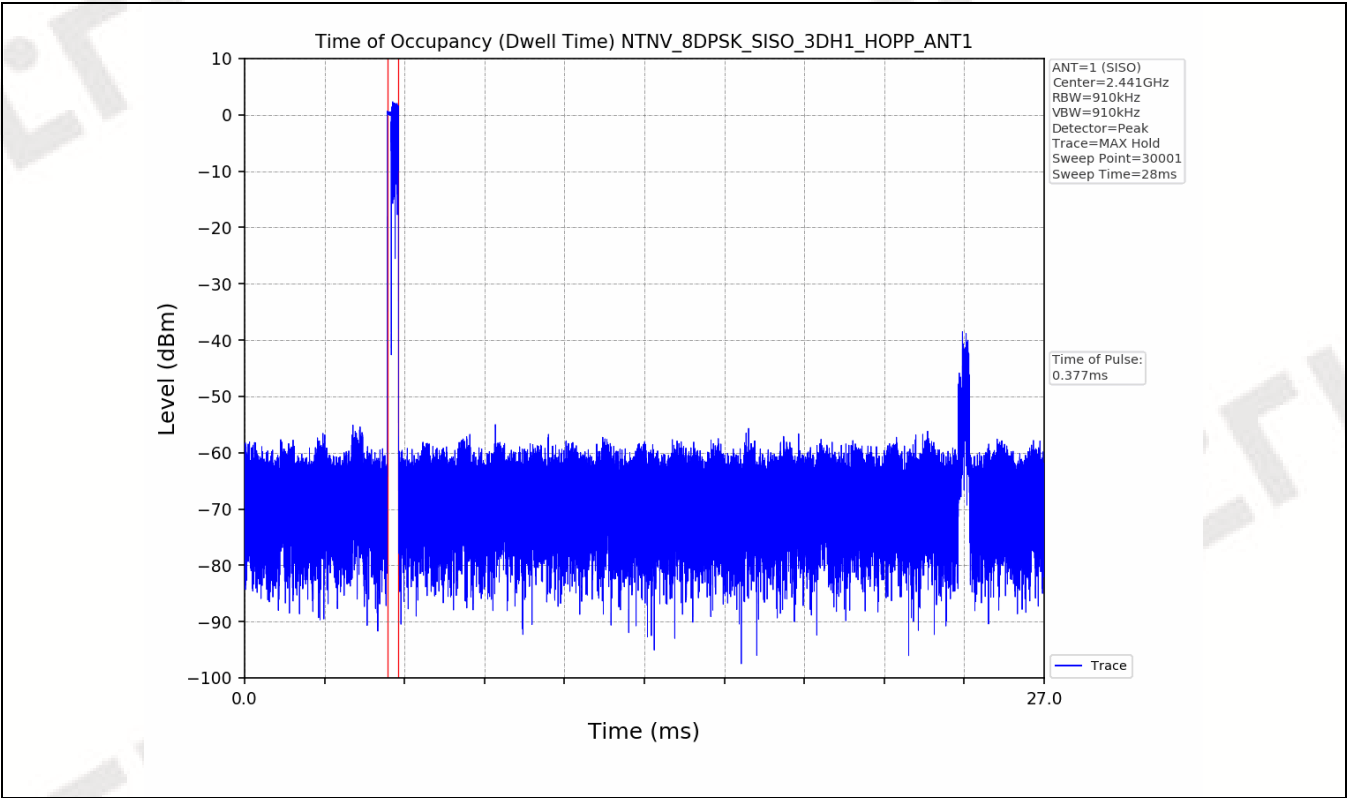
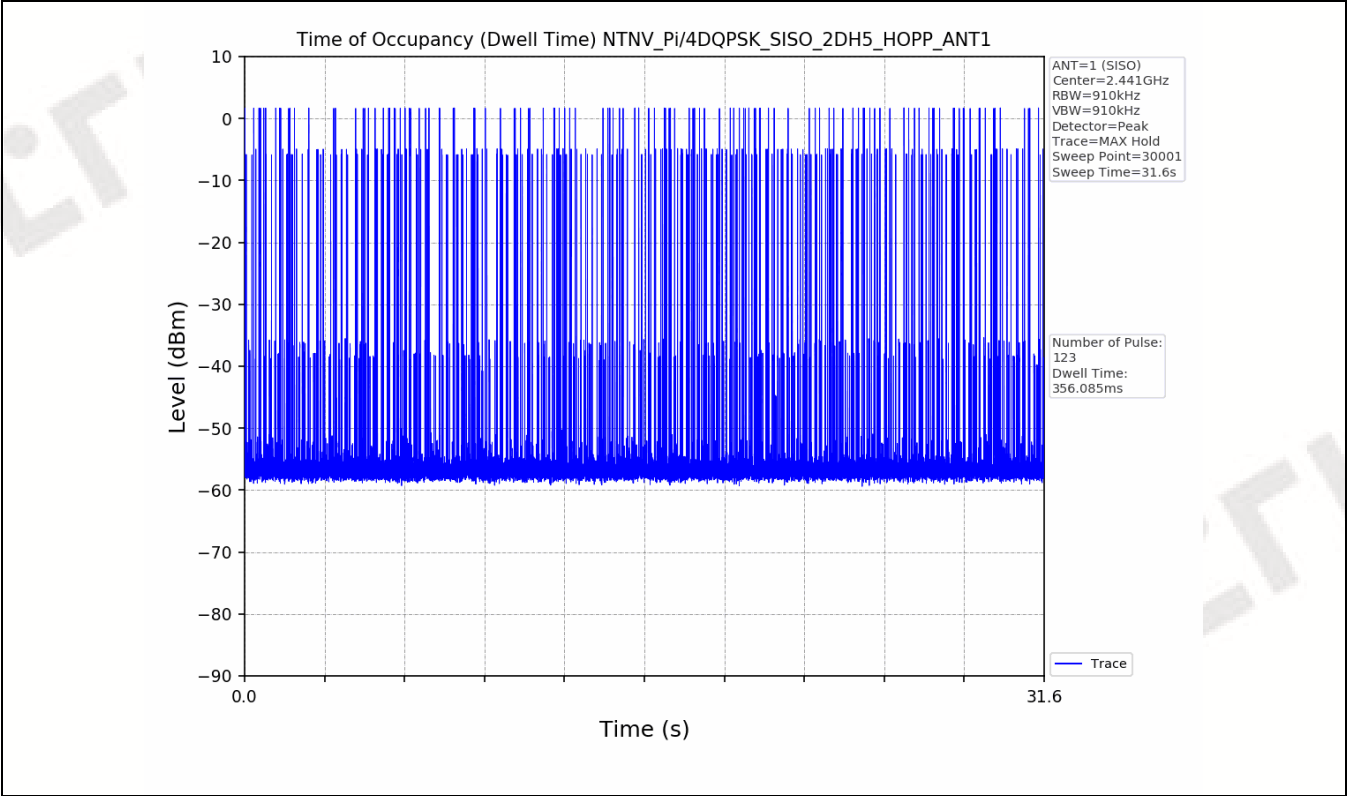


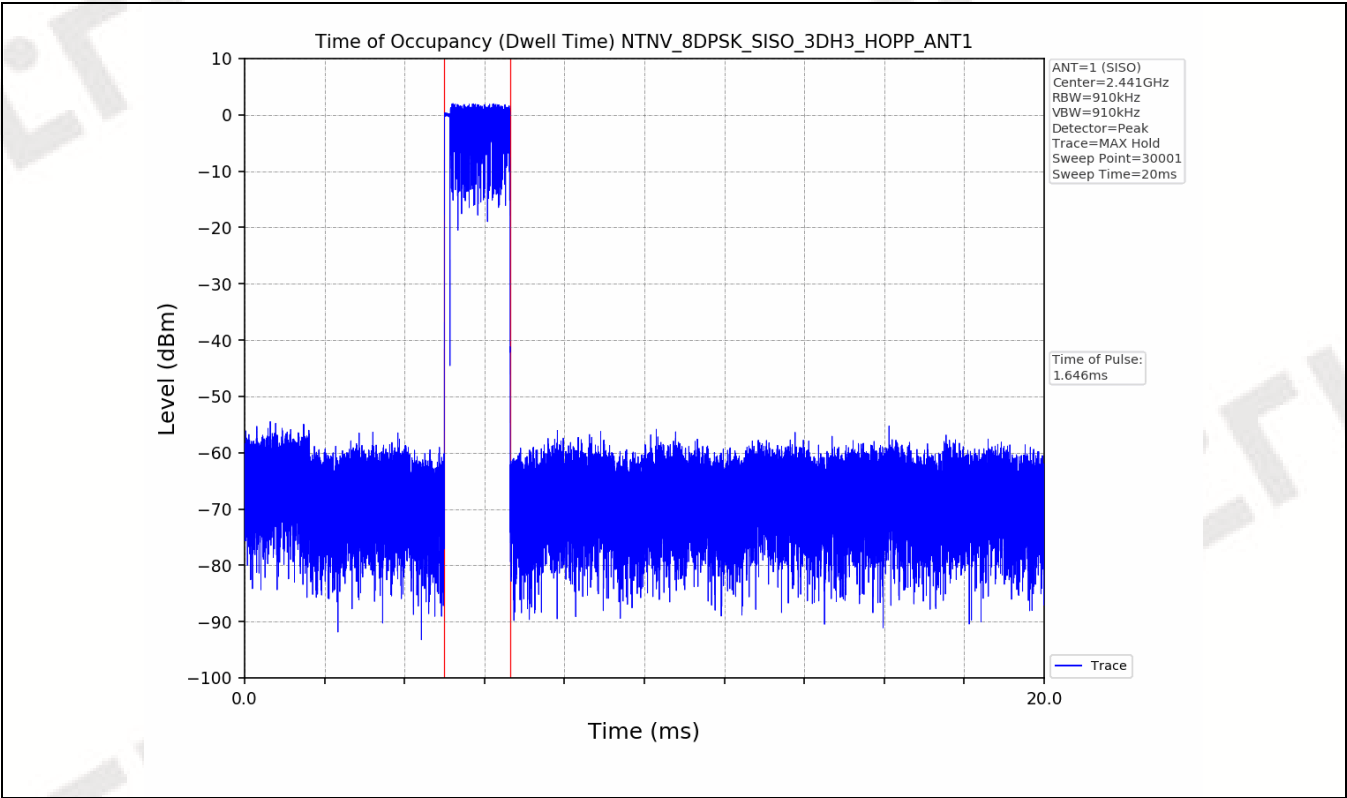
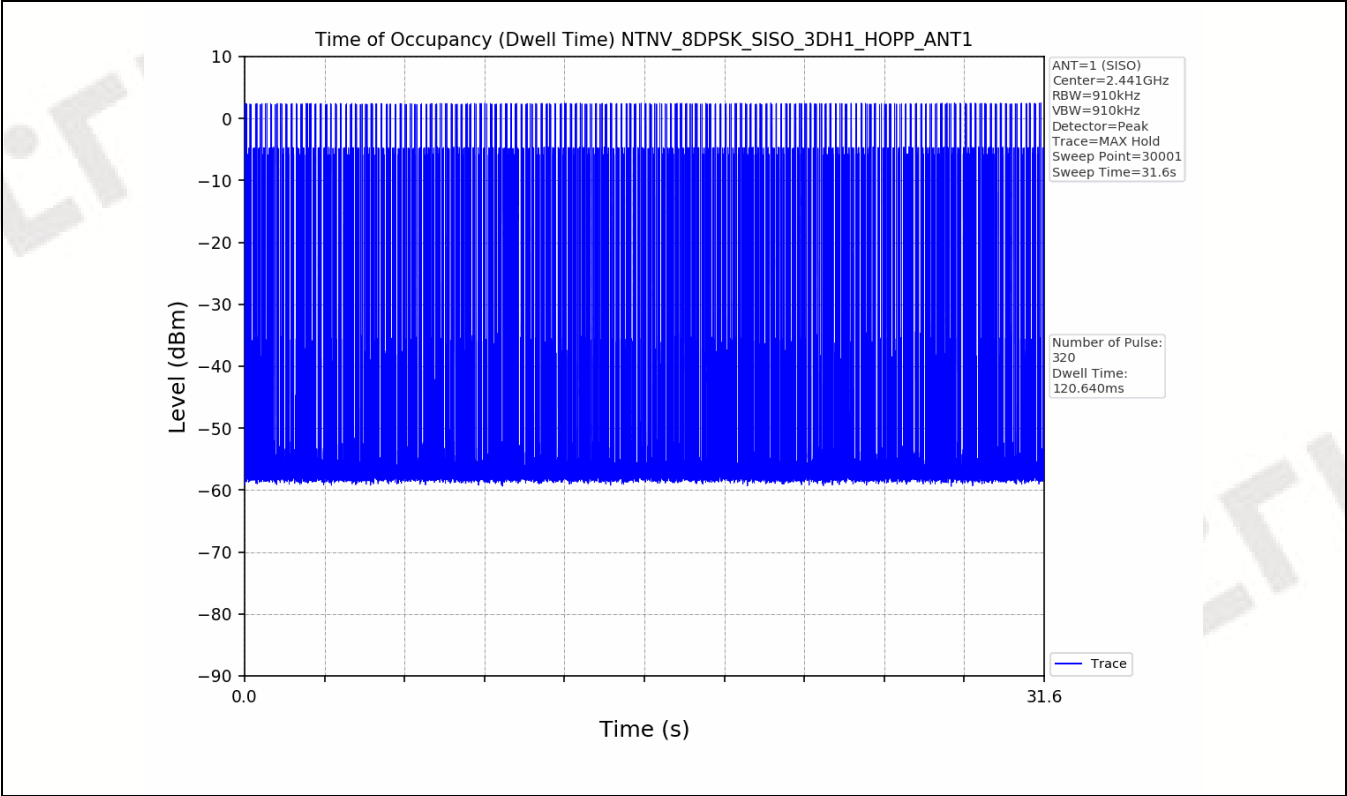


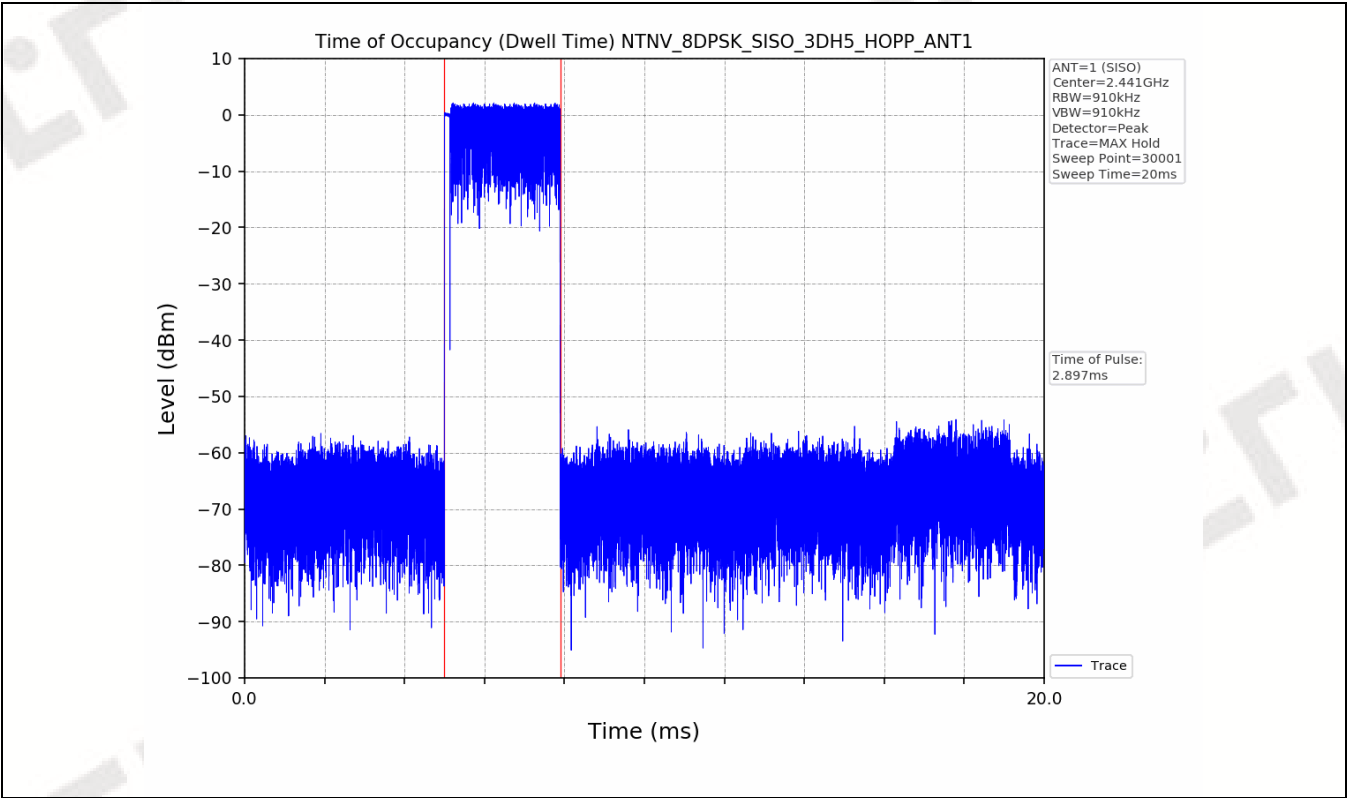
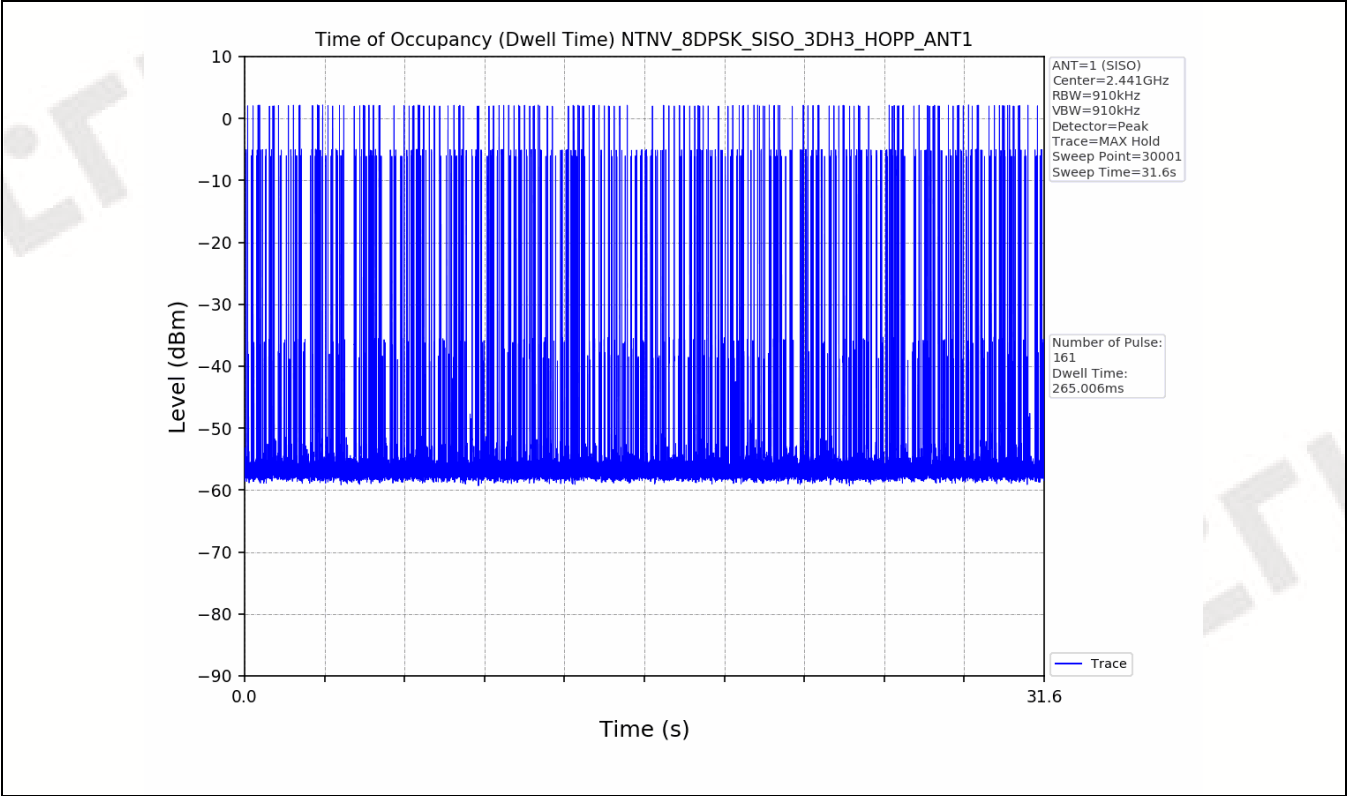


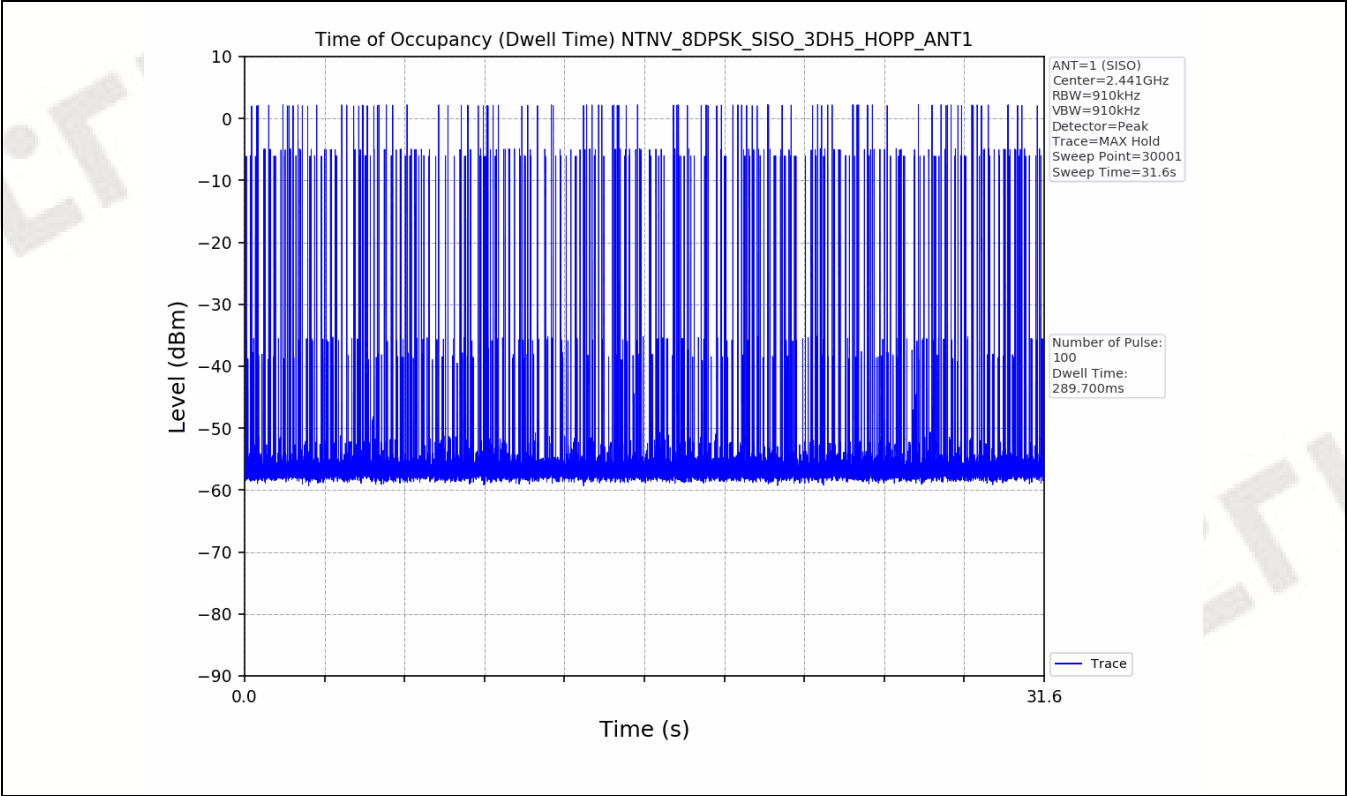












6. Unwanted Emissions in Non-restricted Frequency Bands

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	-20.06	PASS
	2441	SISO	1	Refer to test graph	-20.06	PASS
	2480	SISO	1	Refer to test graph	-20.06	PASS
	Hopping	SISO	1	Refer to test graph	-20.06	PASS
Pi/4DQPSK	2402	SISO	1	Refer to test graph	-20.23	PASS
	2441	SISO	1	Refer to test graph	-20.23	PASS
	2480	SISO	1	Refer to test graph	-20.23	PASS
	Hopping	SISO	1	Refer to test graph	-20.23	PASS
8DPSK	2402	SISO	1	Refer to test graph	-19.59	PASS
	2441	SISO	1	Refer to test graph	-19.59	PASS
	2480	SISO	1	Refer to test graph	-19.59	PASS
	Hopping	SISO	1	Refer to test graph	-19.59	PASS

6.2 Test Graph

