



Appendix for 15.247

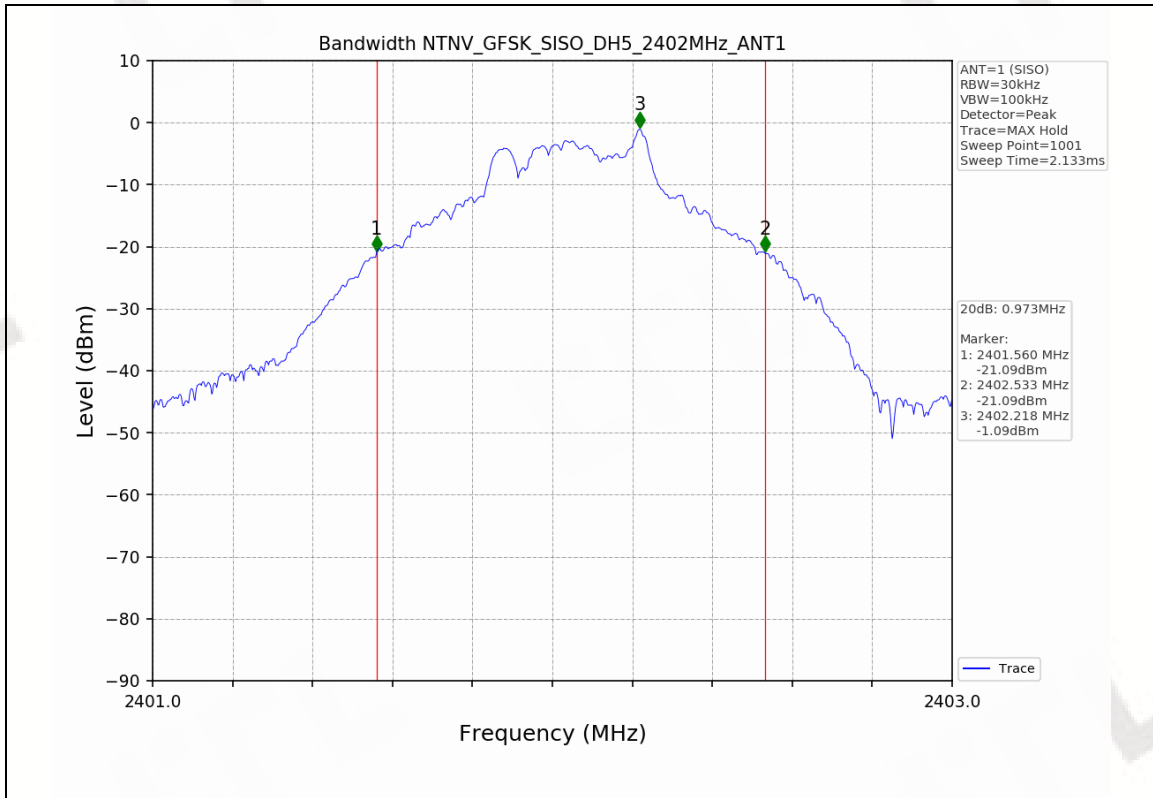
1. Bandwidth

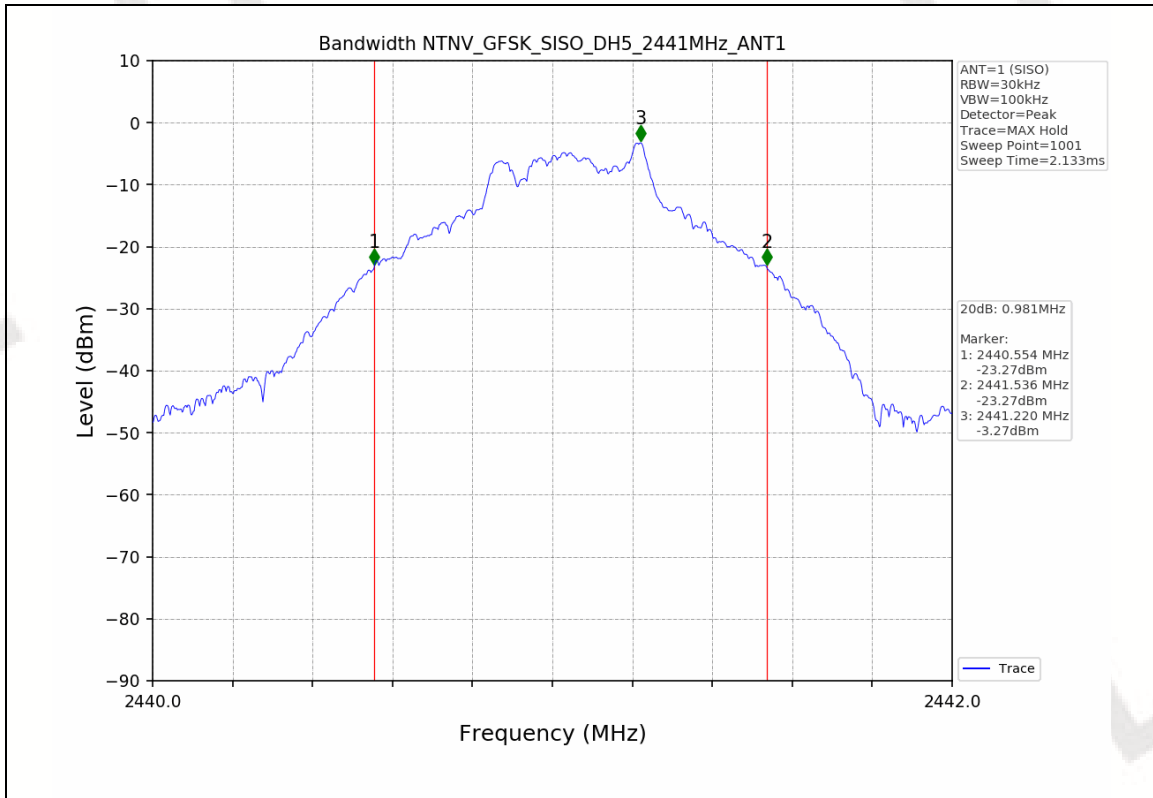
1.1 Test Result

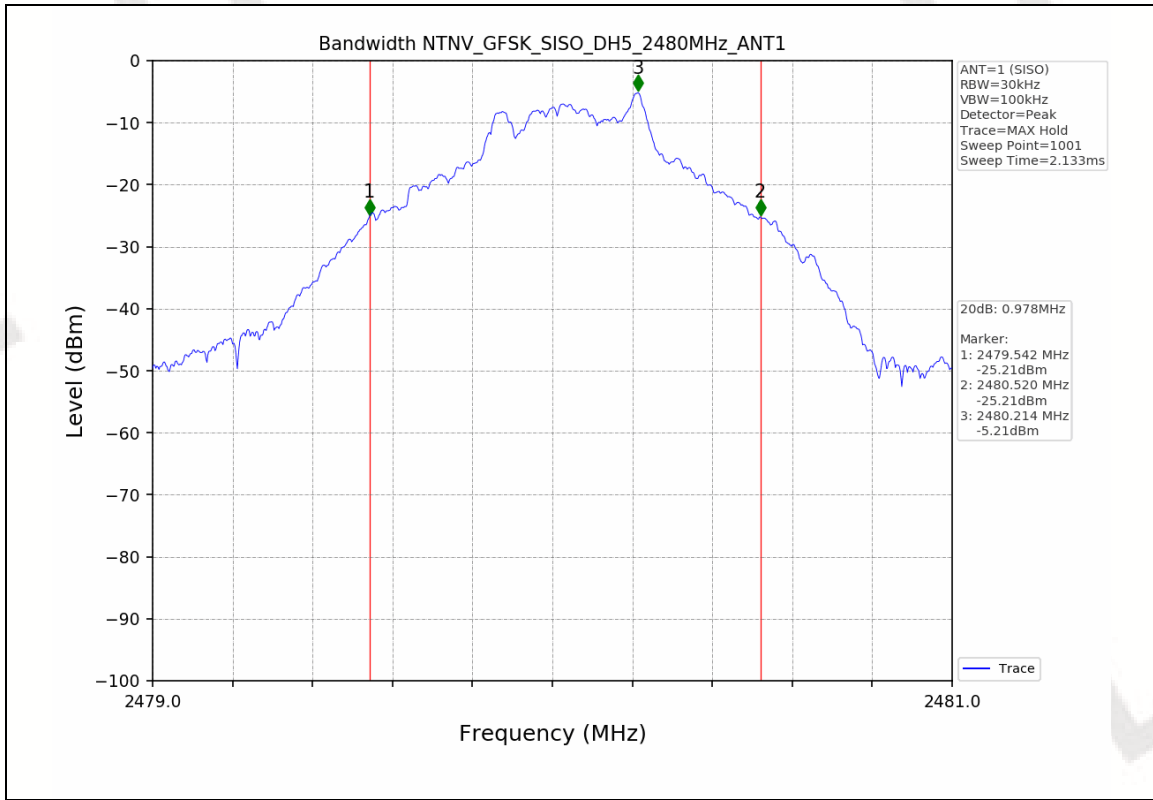
Test Mode	Frequency (MHz)	TX Type	ANT No.	20dB Bandwidth	Verdict
				Test Result (MHz)	
GFSK	2402	SISO	1	0.973	PASS
	2441	SISO	1	0.981	PASS
	2480	SISO	1	0.978	PASS
Pi/4DQPSK	2402	SISO	1	1.322	PASS
	2441	SISO	1	1.317	PASS
	2480	SISO	1	1.316	PASS
8DPSK	2402	SISO	1	1.301	PASS
	2441	SISO	1	1.302	PASS
	2480	SISO	1	1.301	PASS

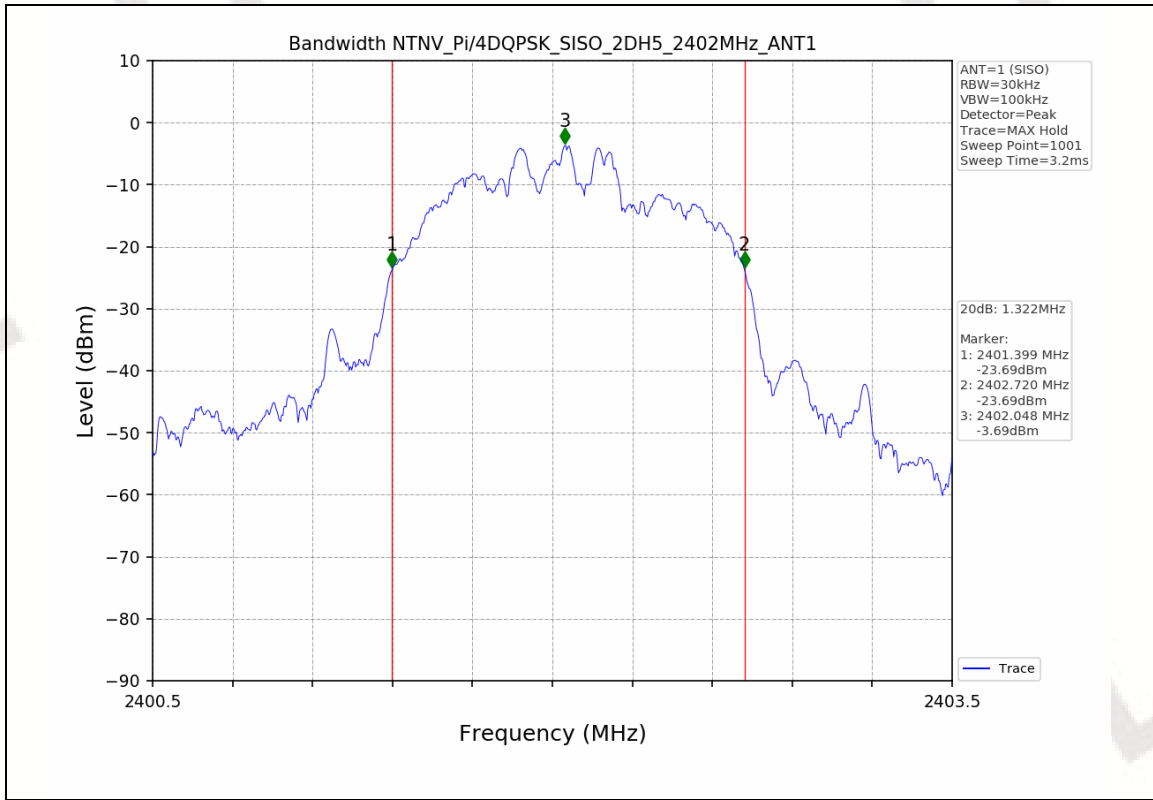
Test Mode	Frequency (MHz)	TX Type	ANT No.	99% Occupied Bandwidth	
				Test Result (MHz)	
GFSK	2402	SISO	1	0.905	Only for Report Use
	2441	SISO	1	0.907	Only for Report Use
	2480	SISO	1	0.907	Only for Report Use
Pi/4DQPSK	2402	SISO	1	1.187	Only for Report Use
	2441	SISO	1	1.185	Only for Report Use
	2480	SISO	1	1.185	Only for Report Use
8DPSK	2402	SISO	1	1.185	Only for Report Use
	2441	SISO	1	1.186	Only for Report Use
	2480	SISO	1	1.187	Only for Report Use

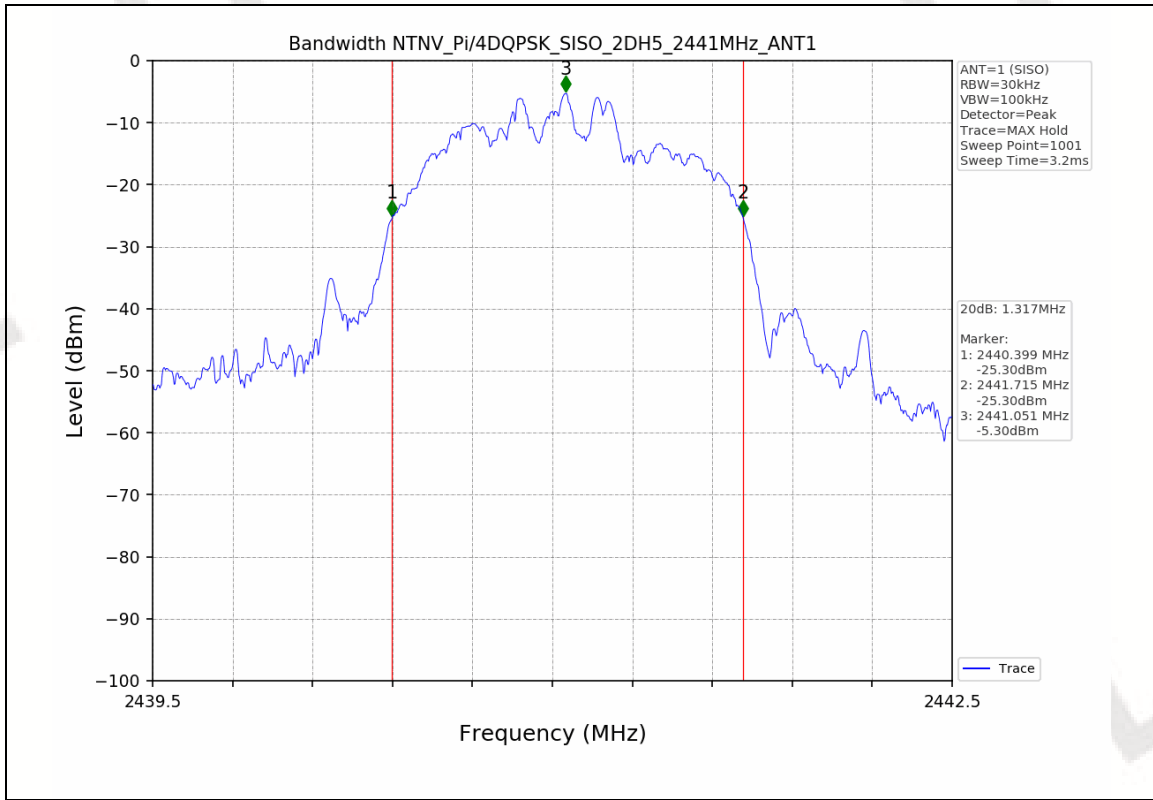
1.2 Test Graph - 20dB Bandwidth

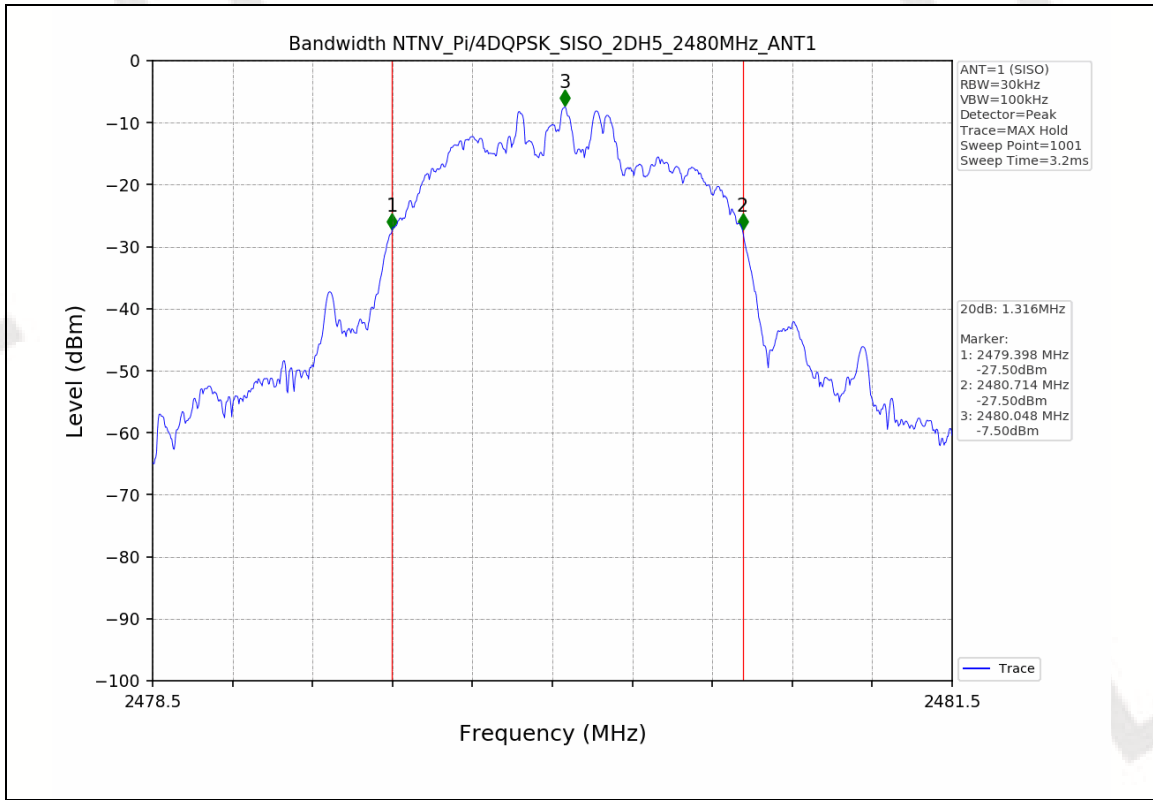


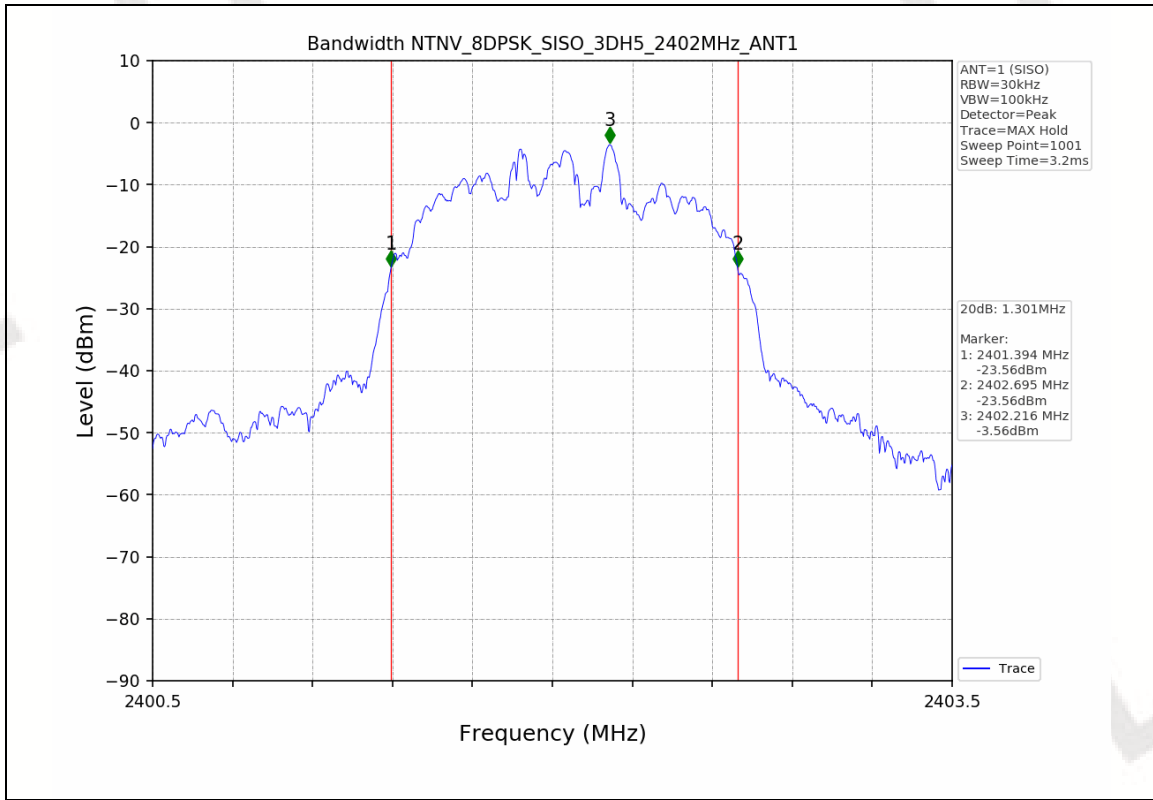


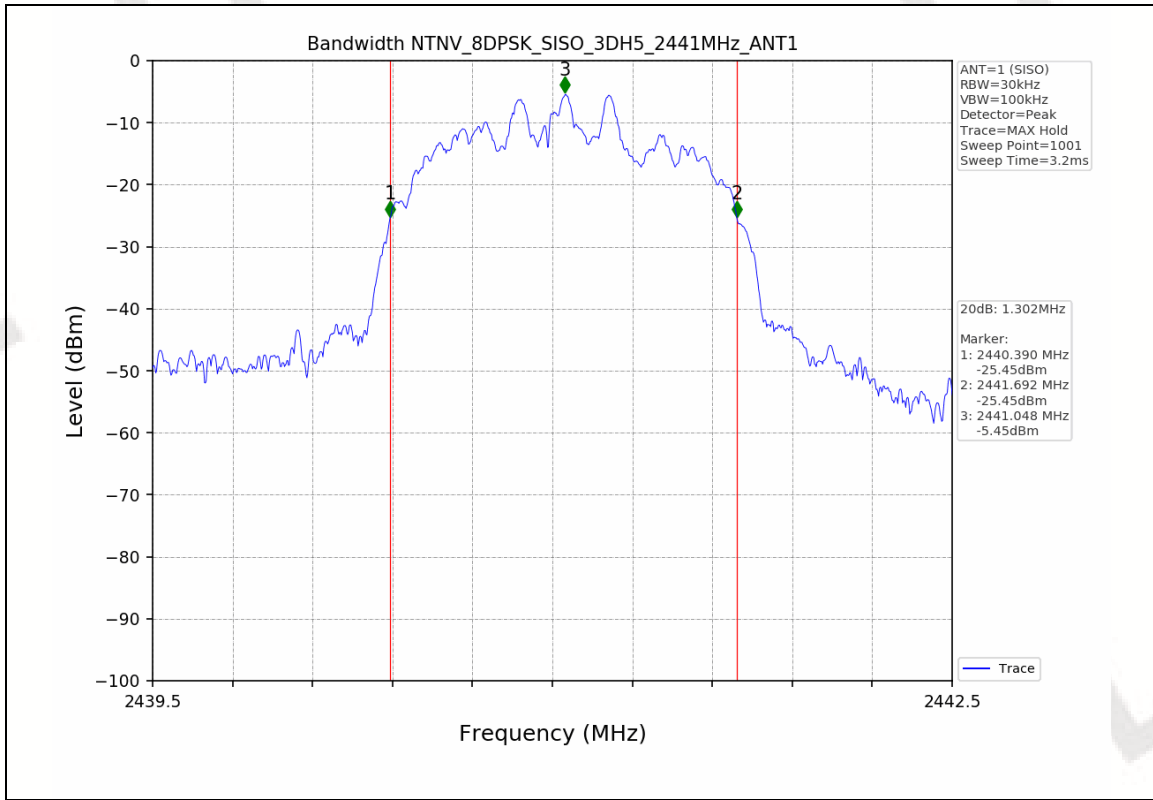


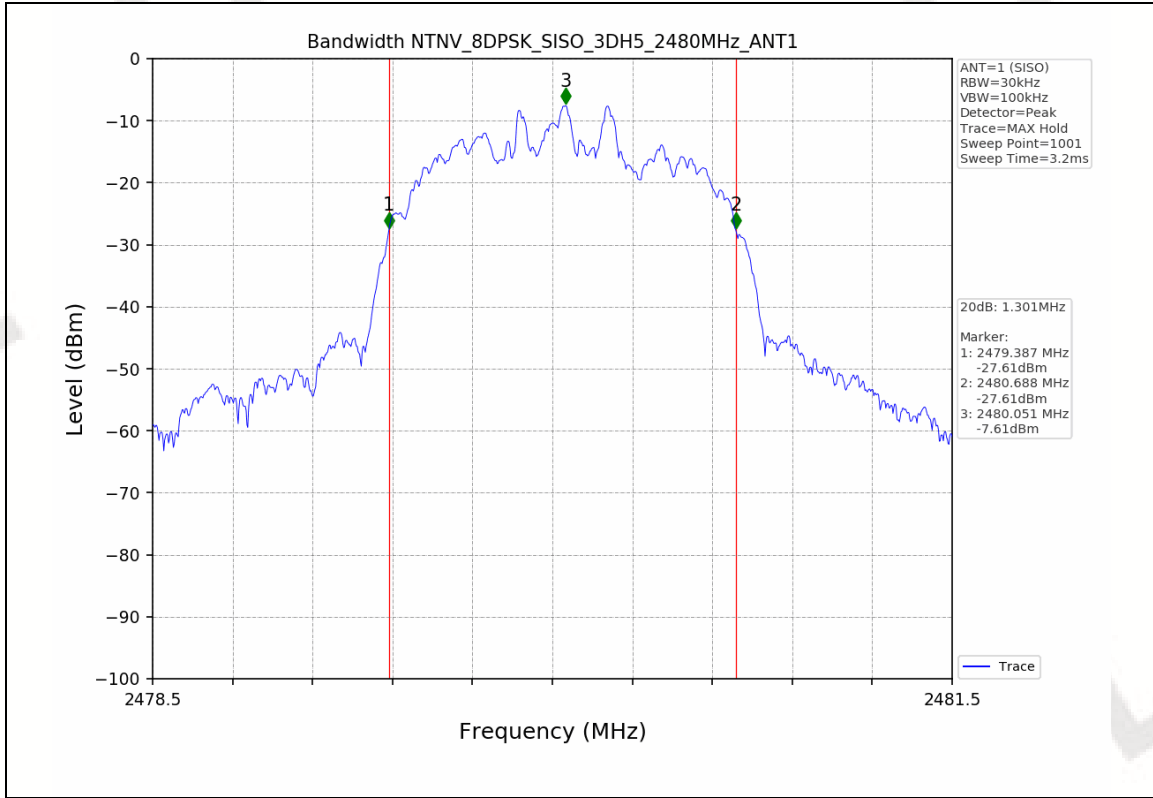




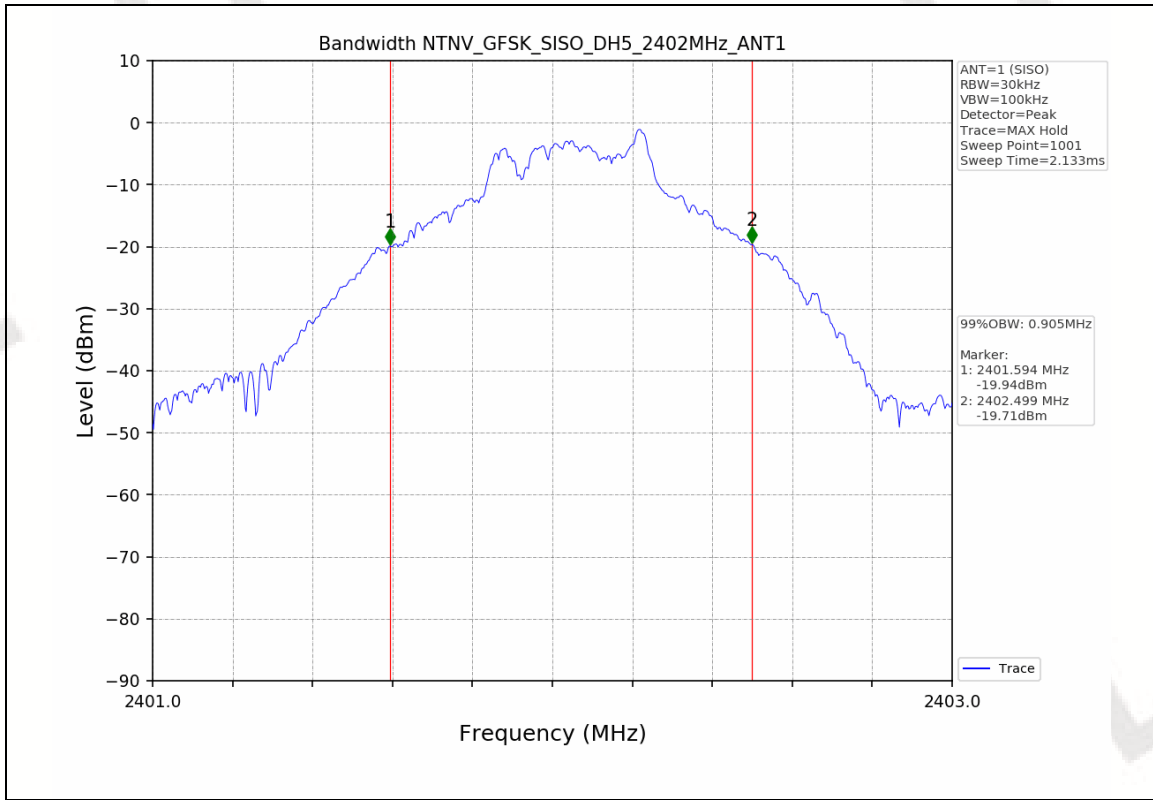


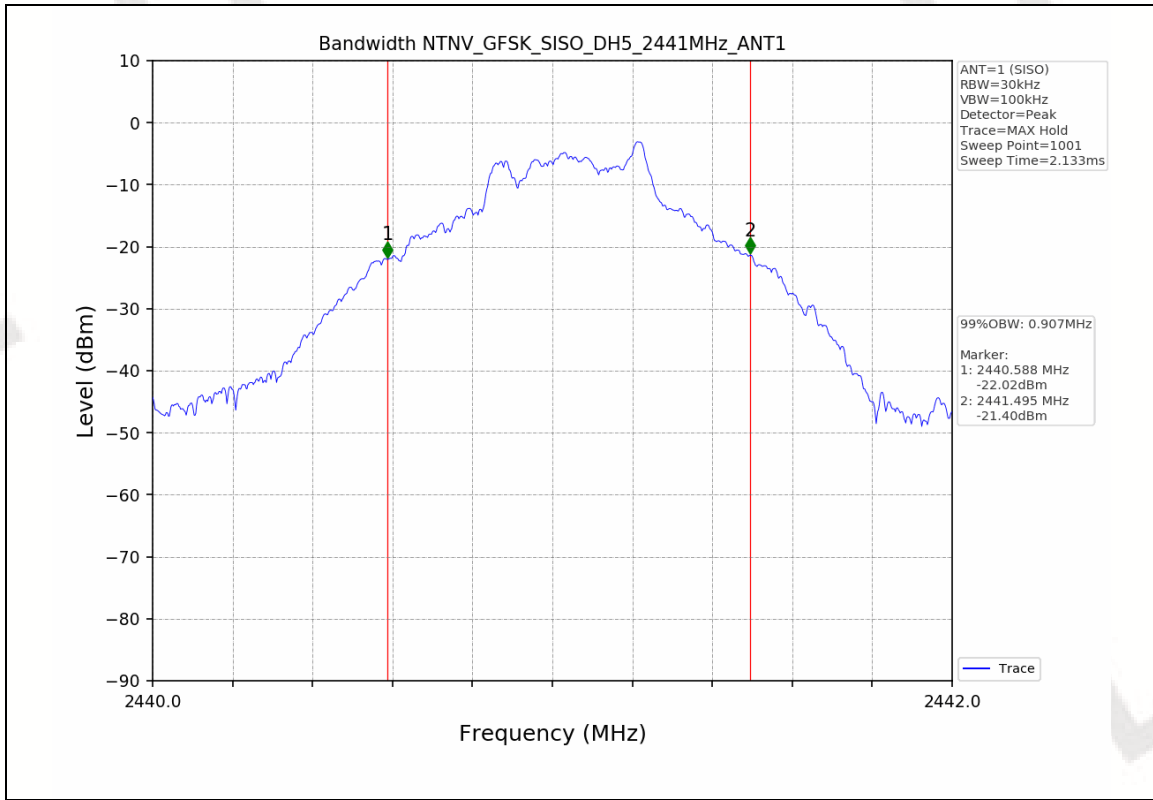


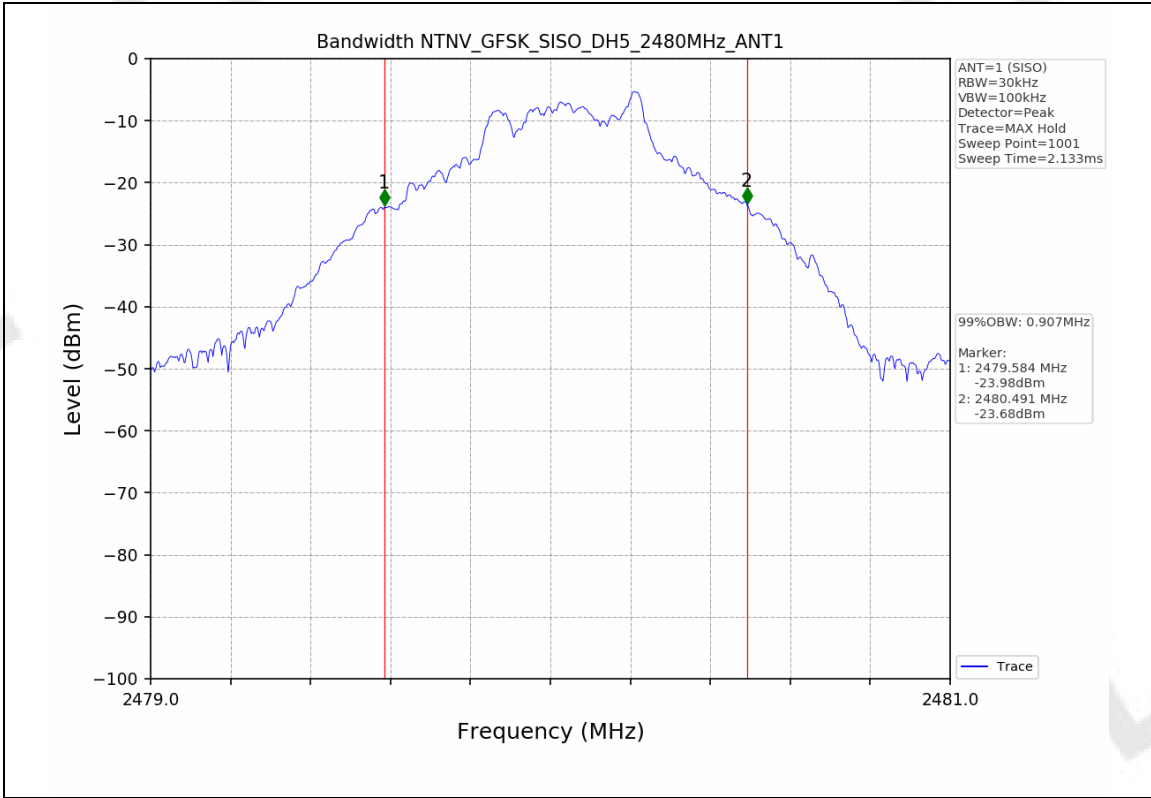


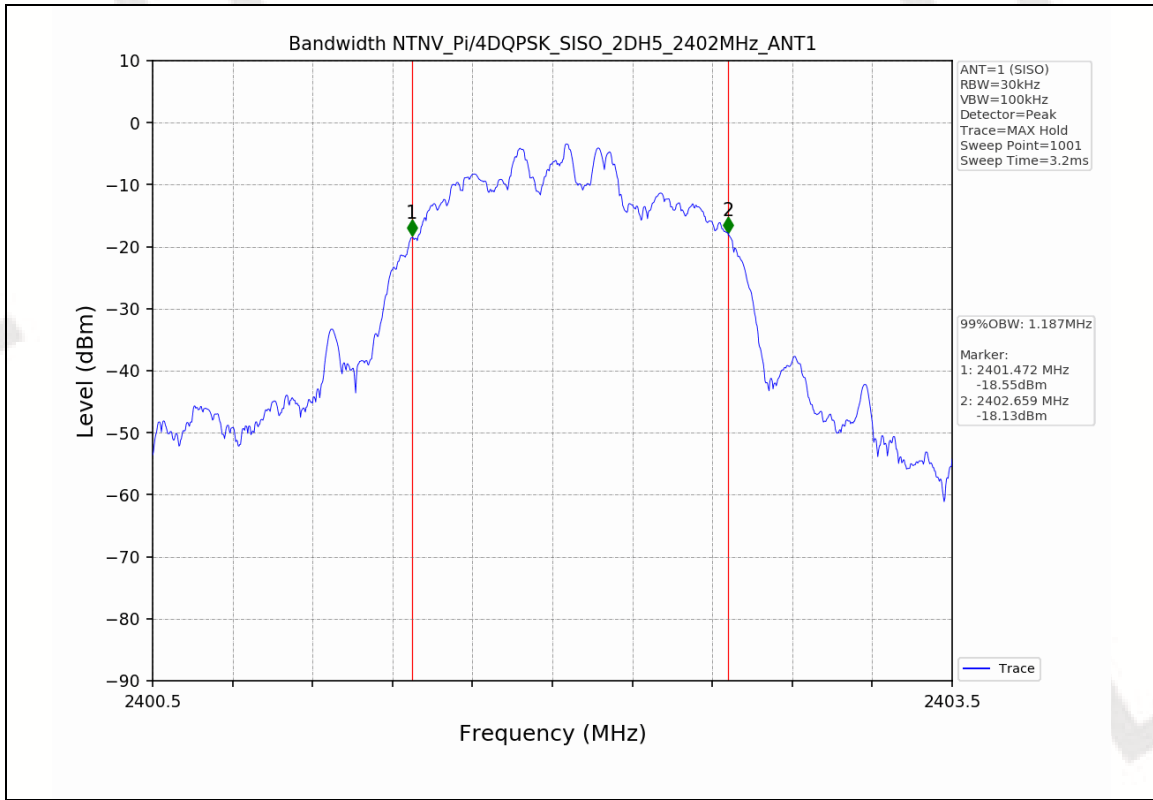


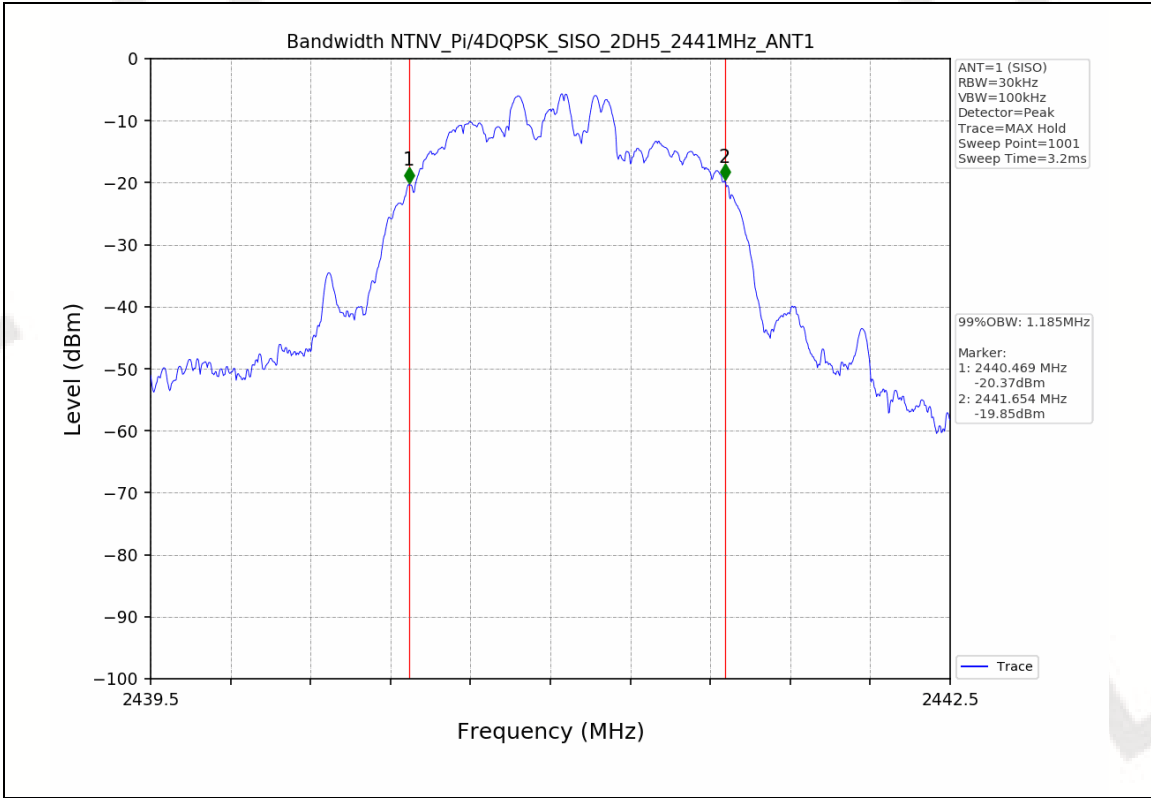
1.3 Test Graph - 99% Occupied Bandwidth

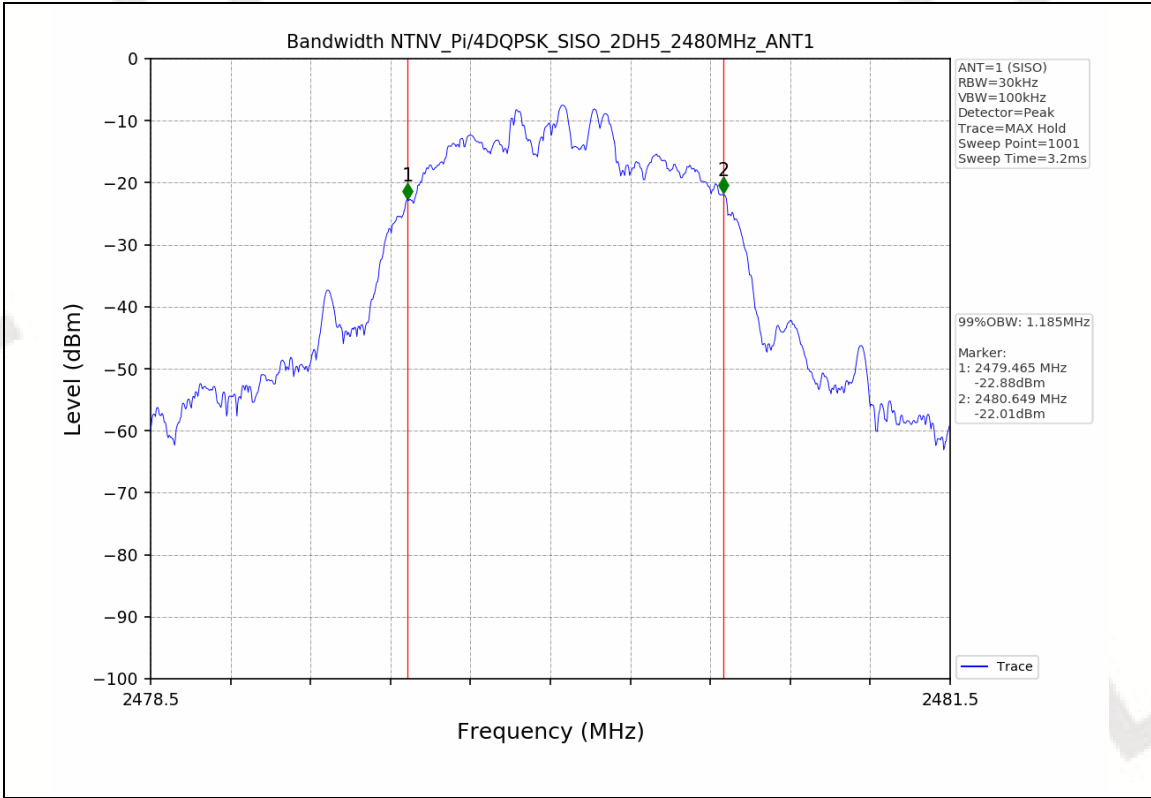


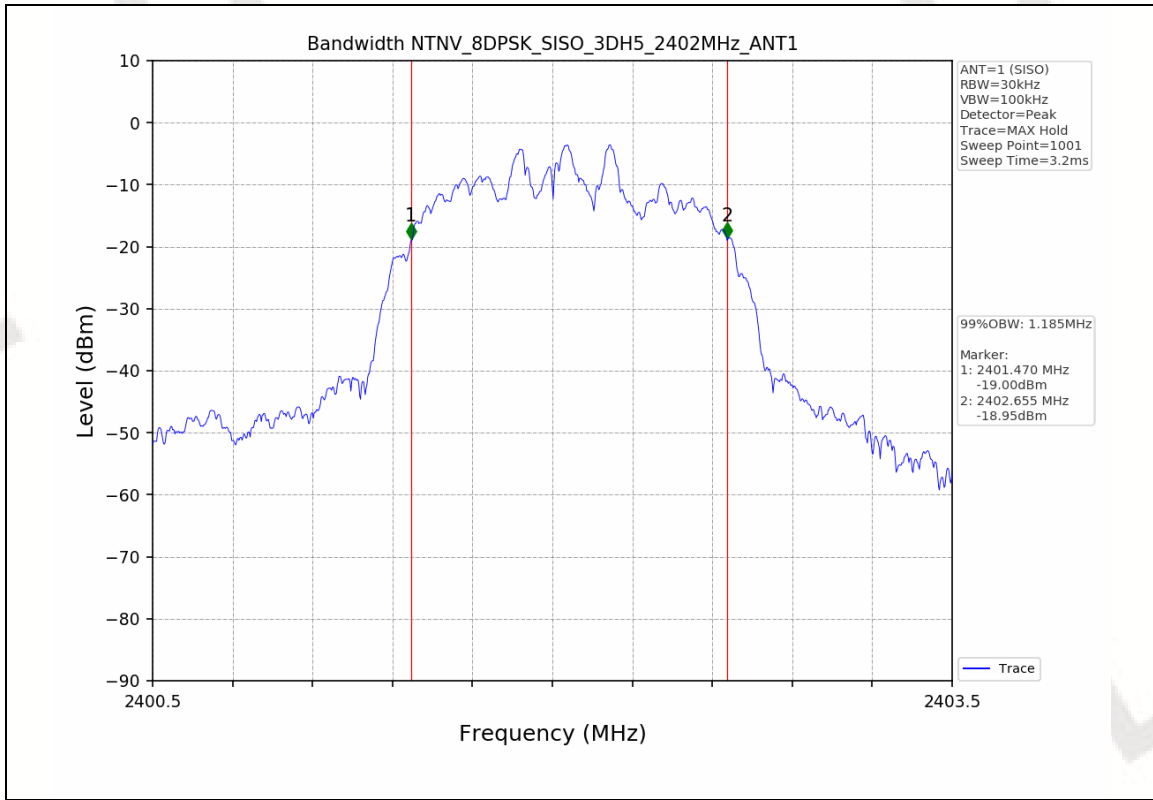


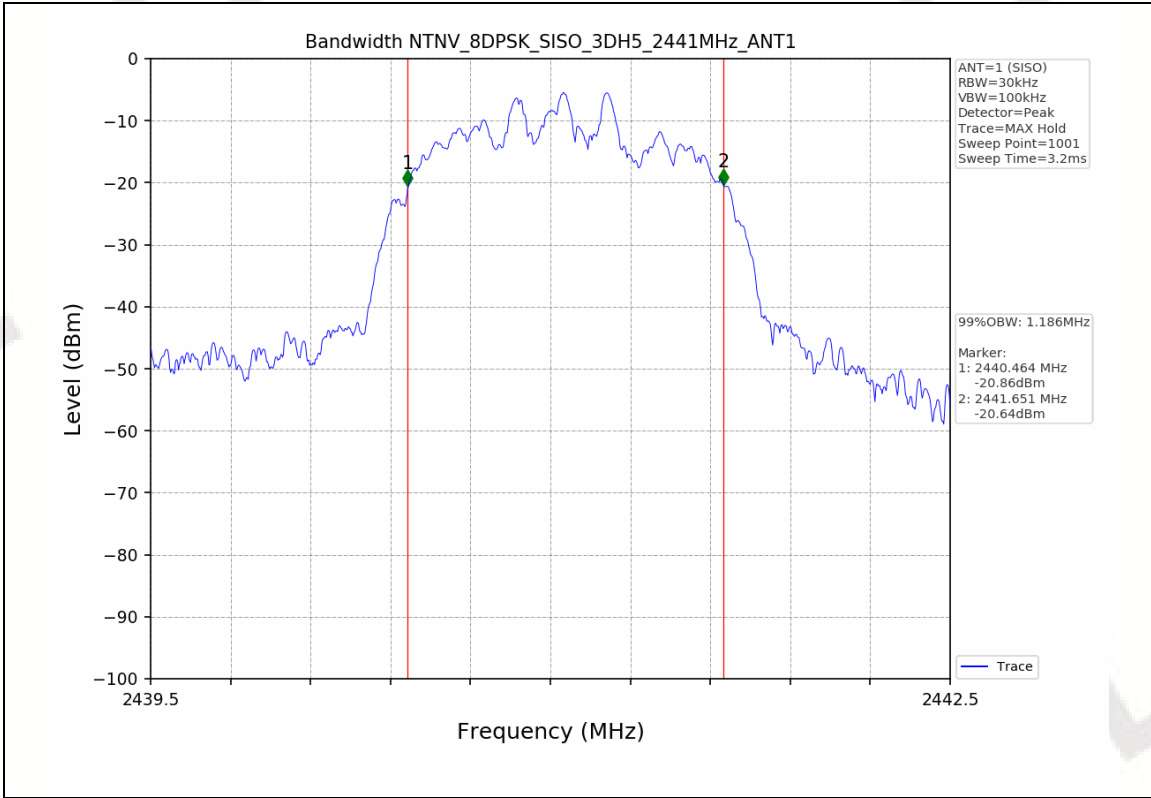


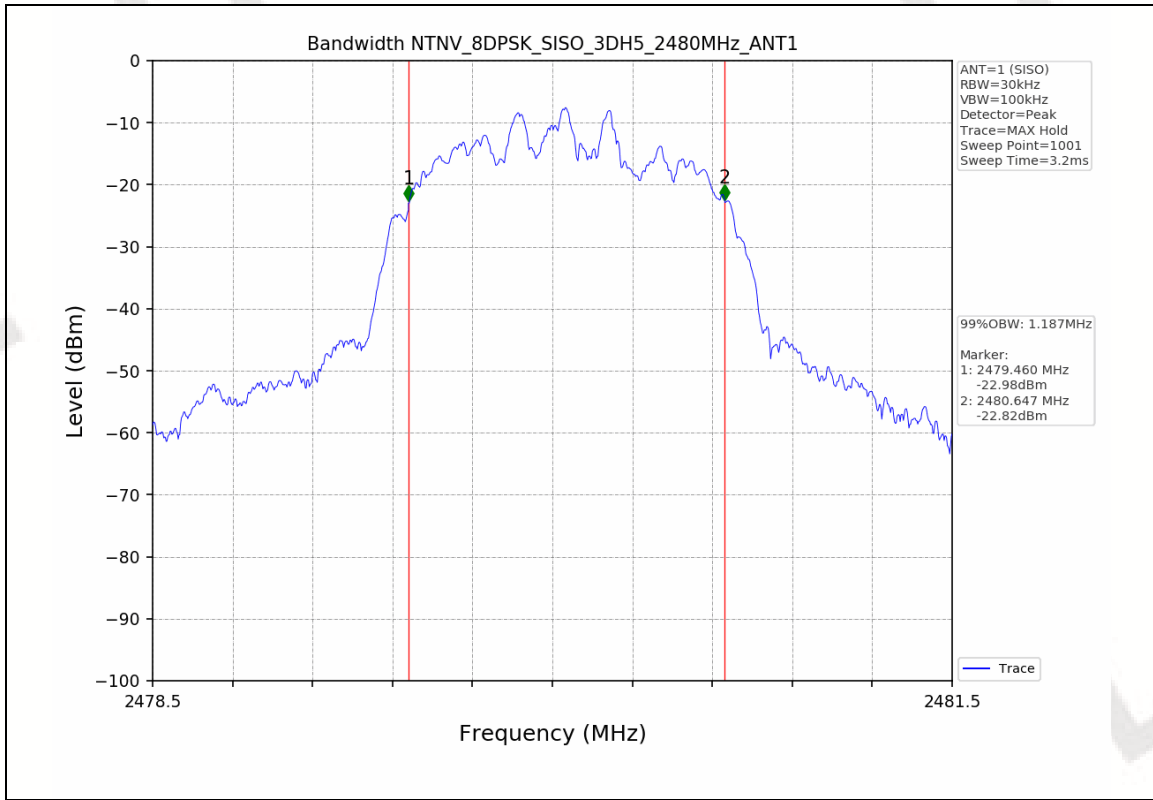












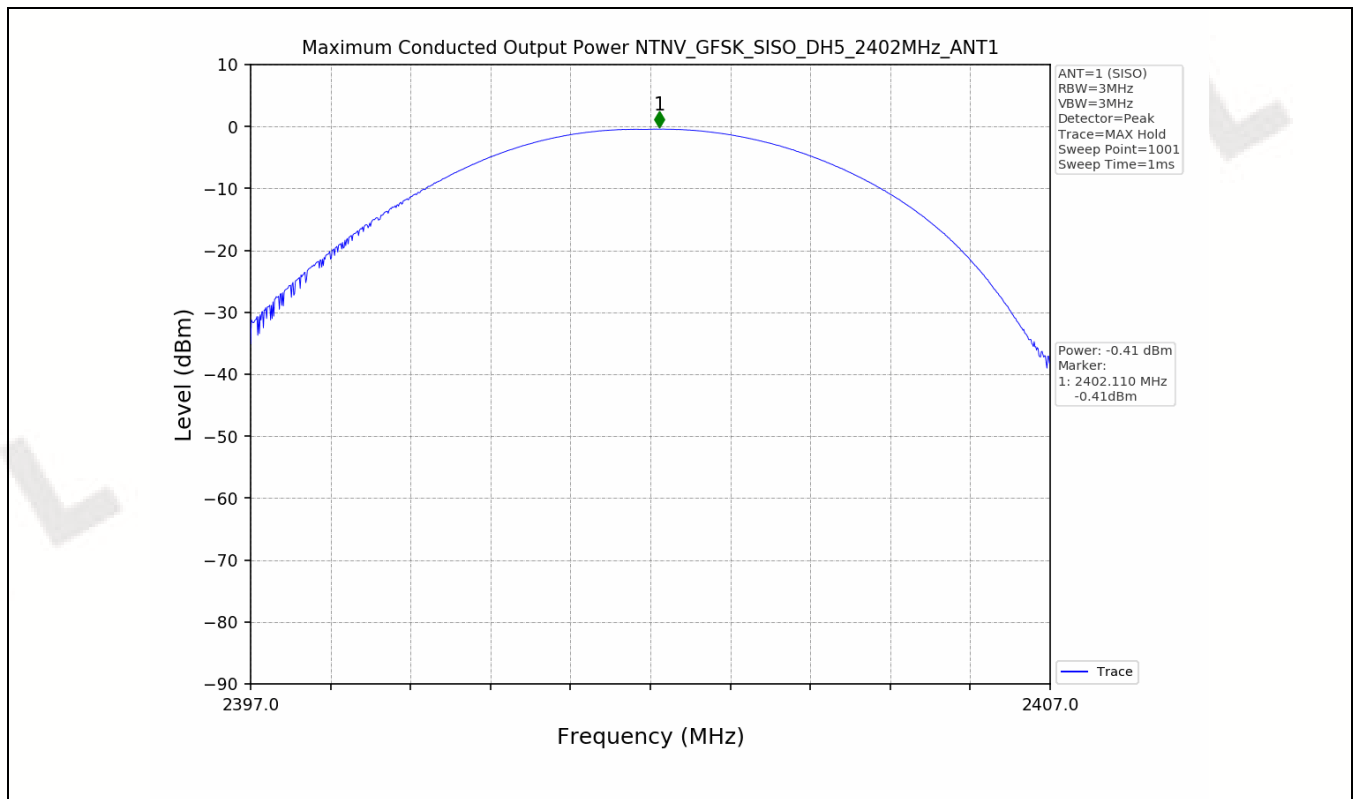


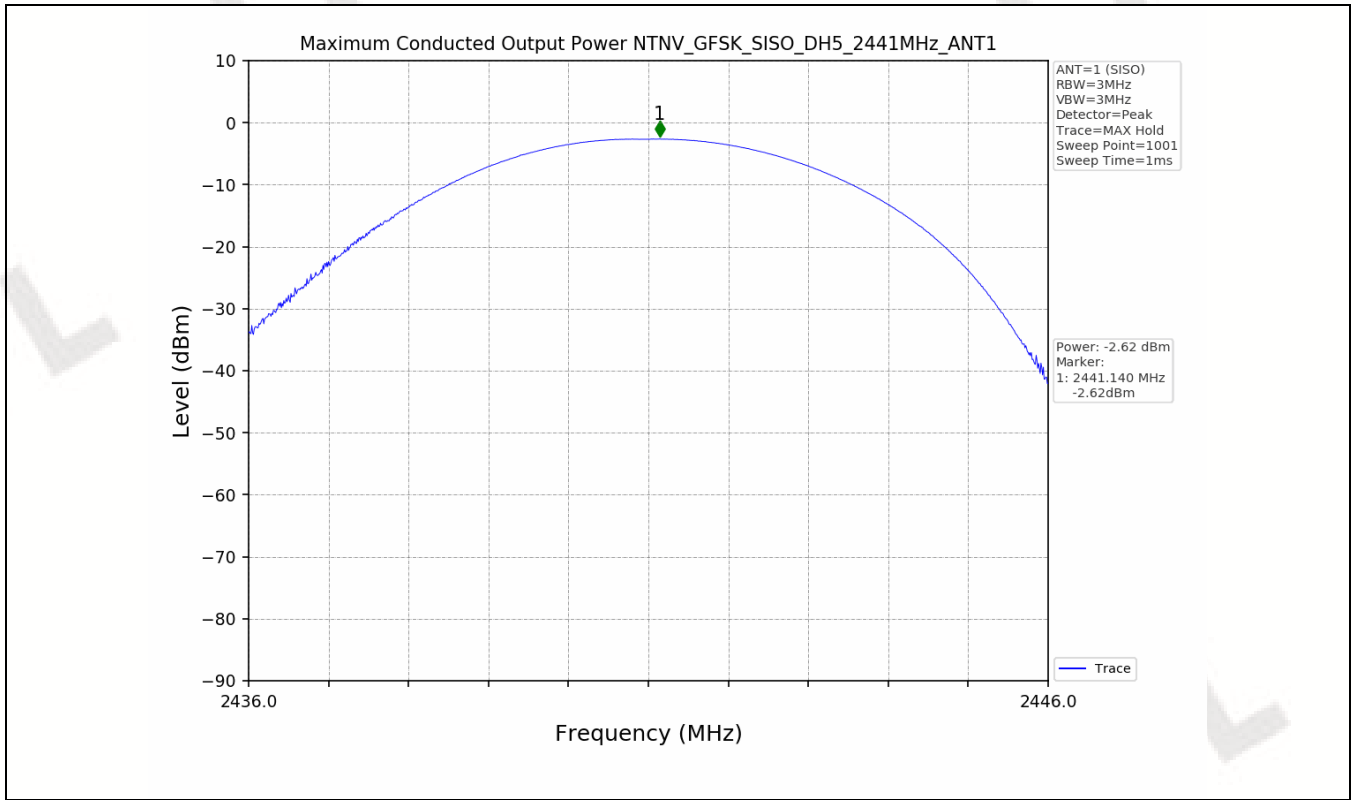
2. Maximum Conducted Output Power

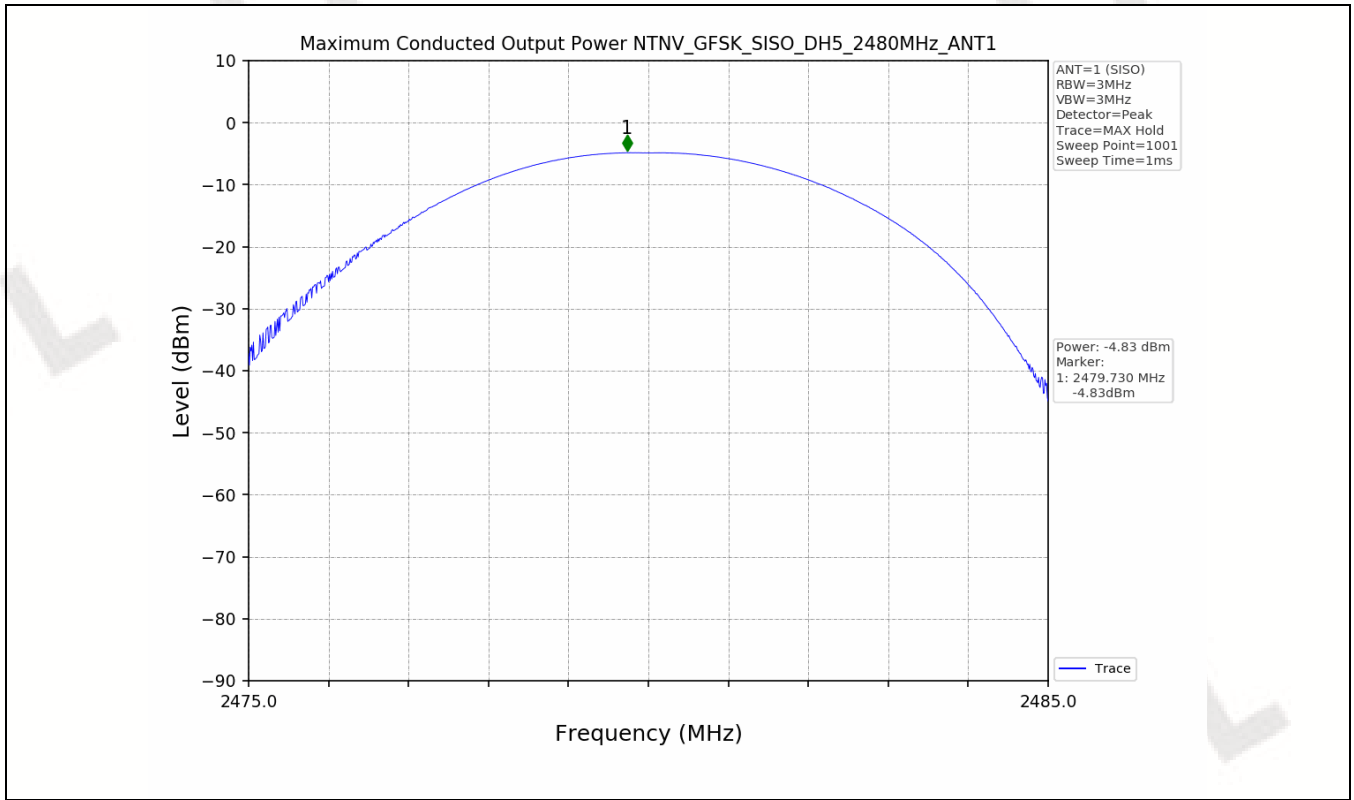
2.1 Test Result

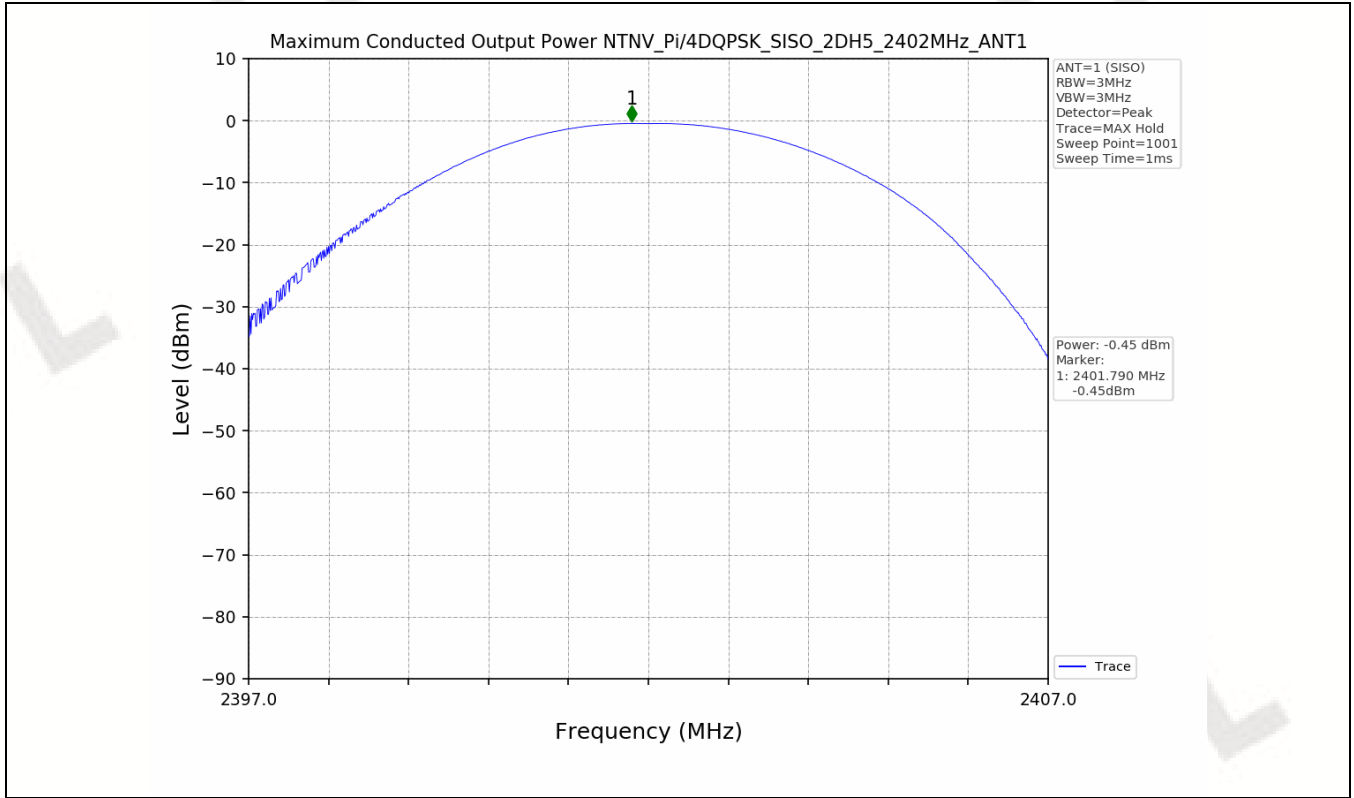
Test Mode	Frequency (MHz)	Tx Type	Measured Peak Output Power (dBm)	Limits (dBm)	Verdict
			Ant 1		
GFSK	2402	SISO	-0.41	30	PASS
	2441	SISO	-2.62	30	PASS
	2480	SISO	-4.83	30	PASS
Pi/4DQPSK	2402	SISO	-0.45	20.97	PASS
	2441	SISO	-2.64	20.97	PASS
	2480	SISO	-4.83	20.97	PASS
8DPSK	2402	SISO	-0.44	20.97	PASS
	2441	SISO	-2.67	20.97	PASS
	2480	SISO	-4.57	20.97	PASS

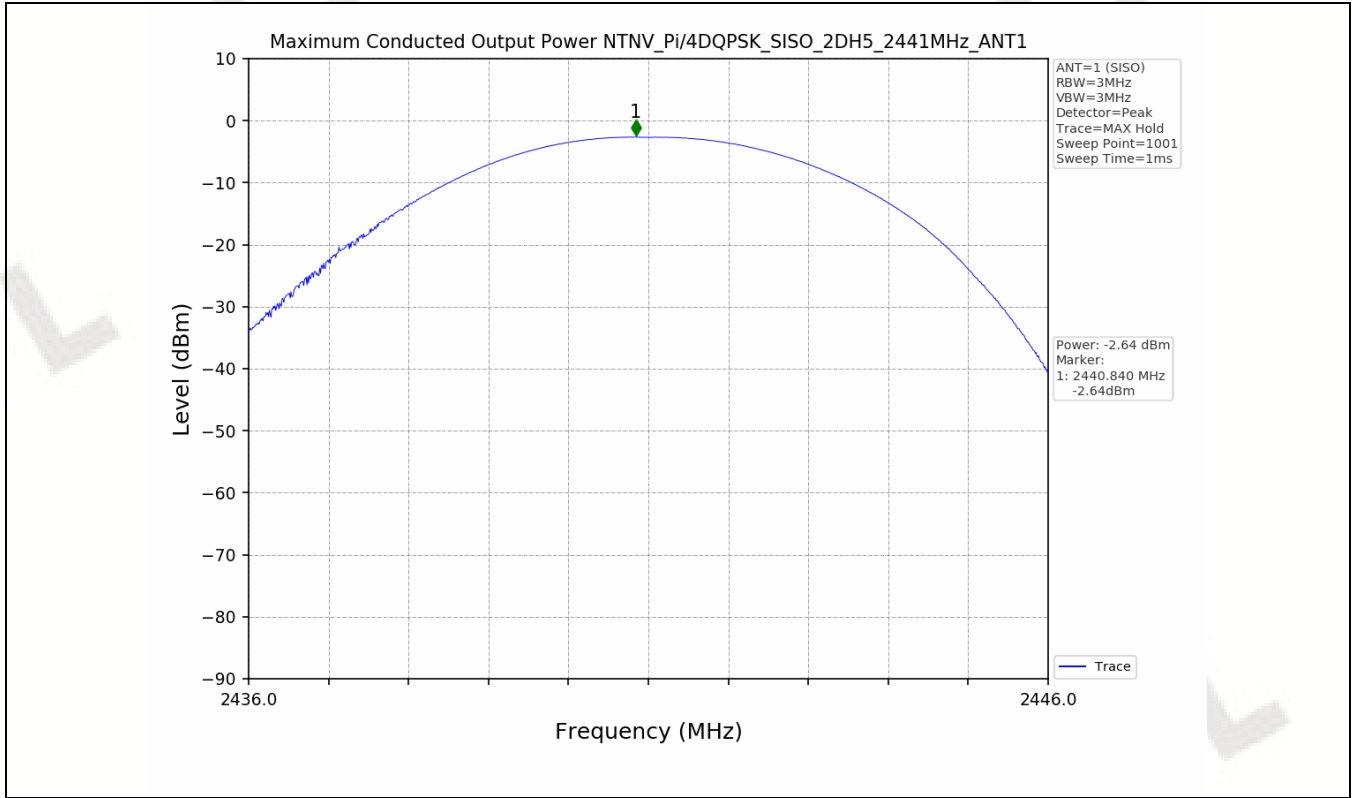
2.2 Test Graph

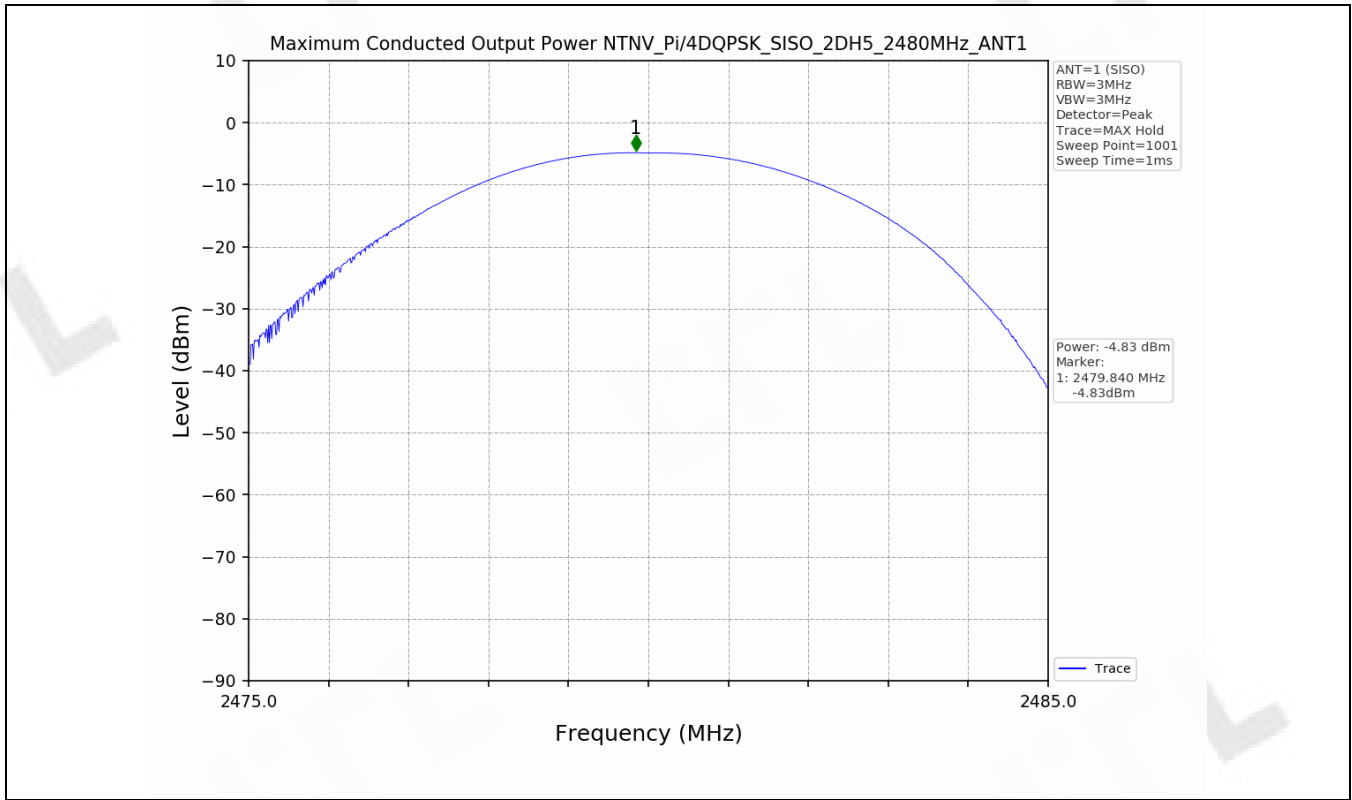


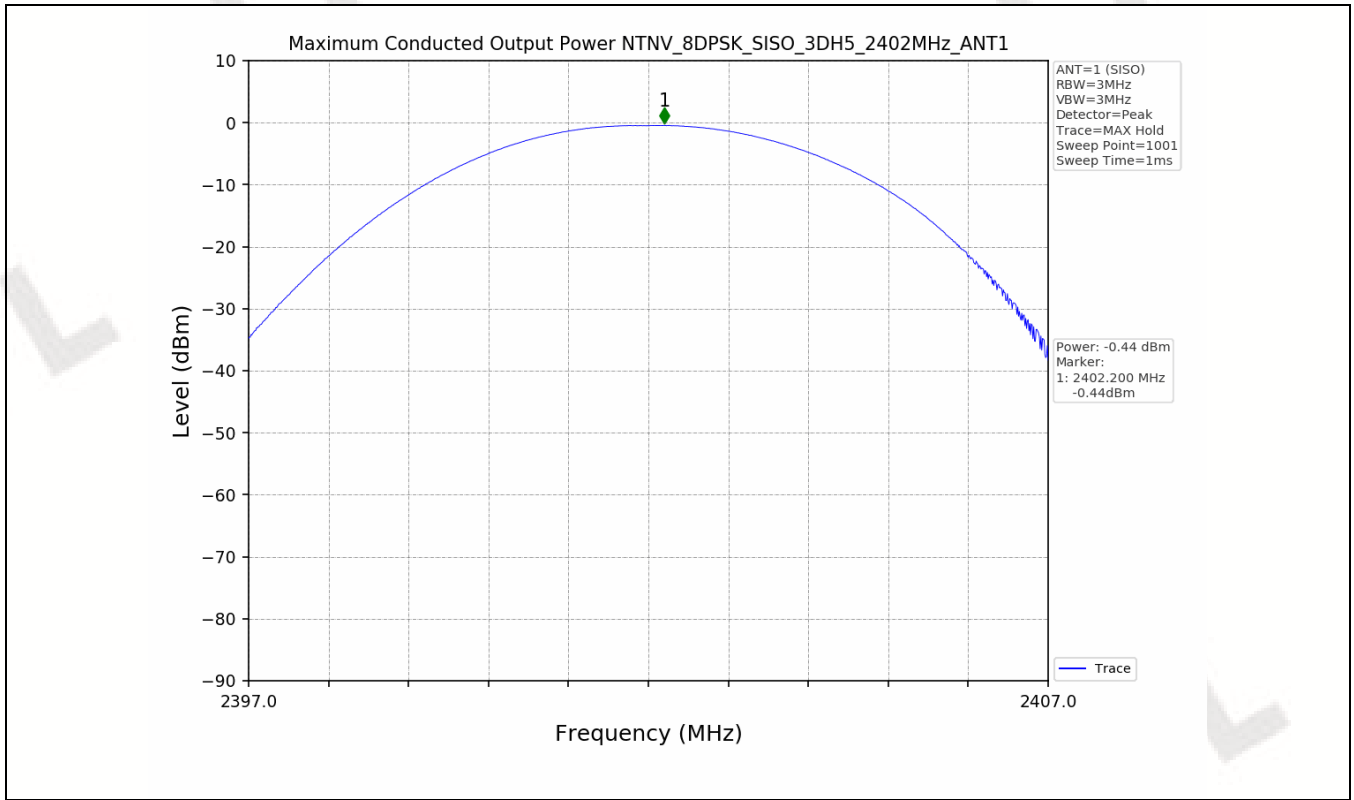


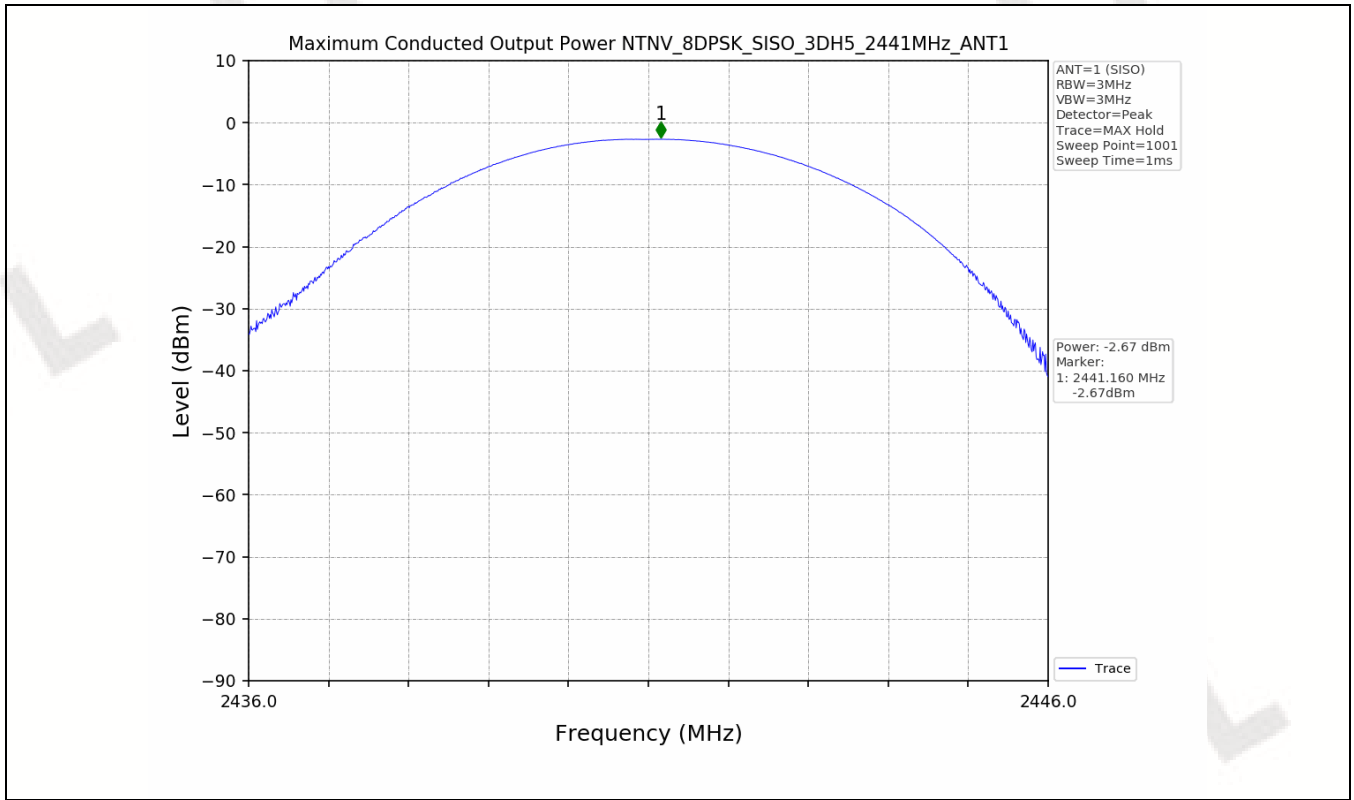


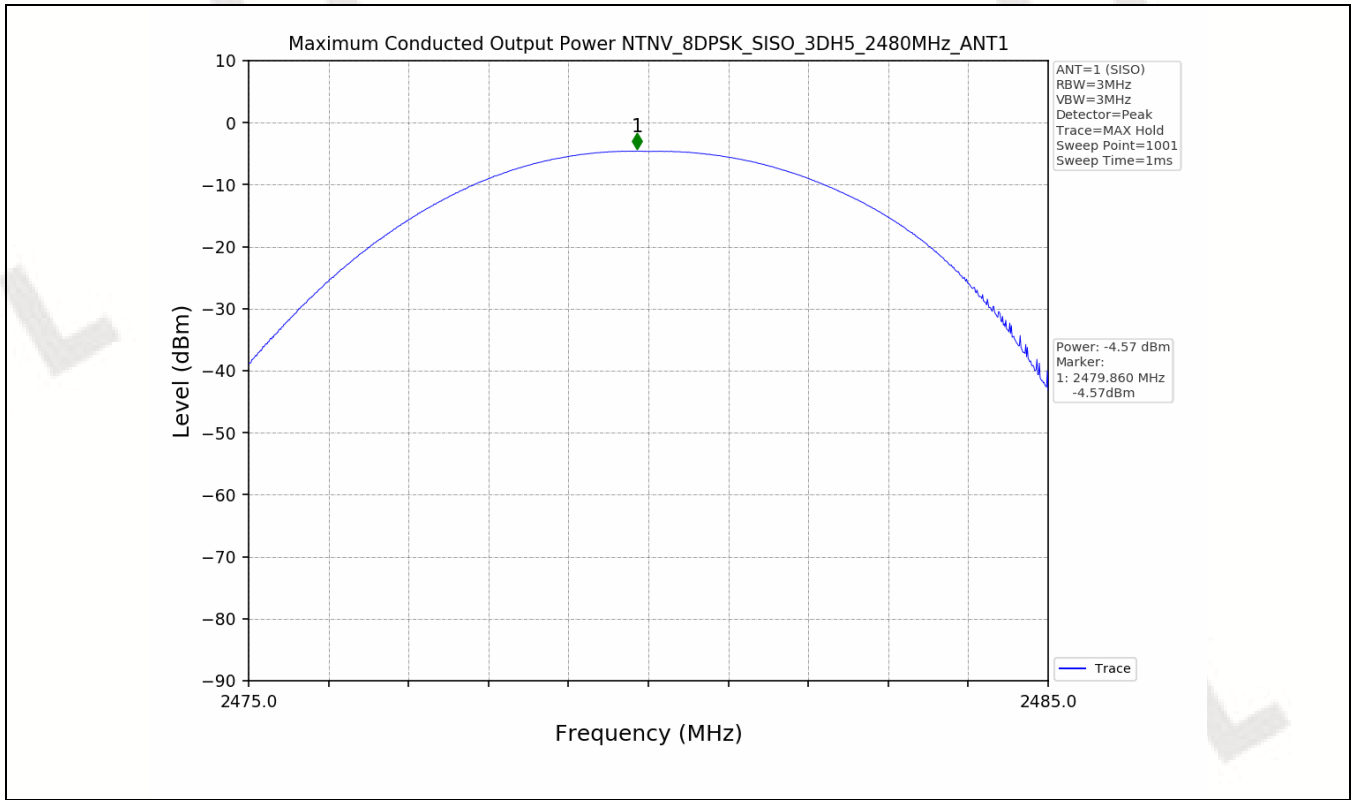












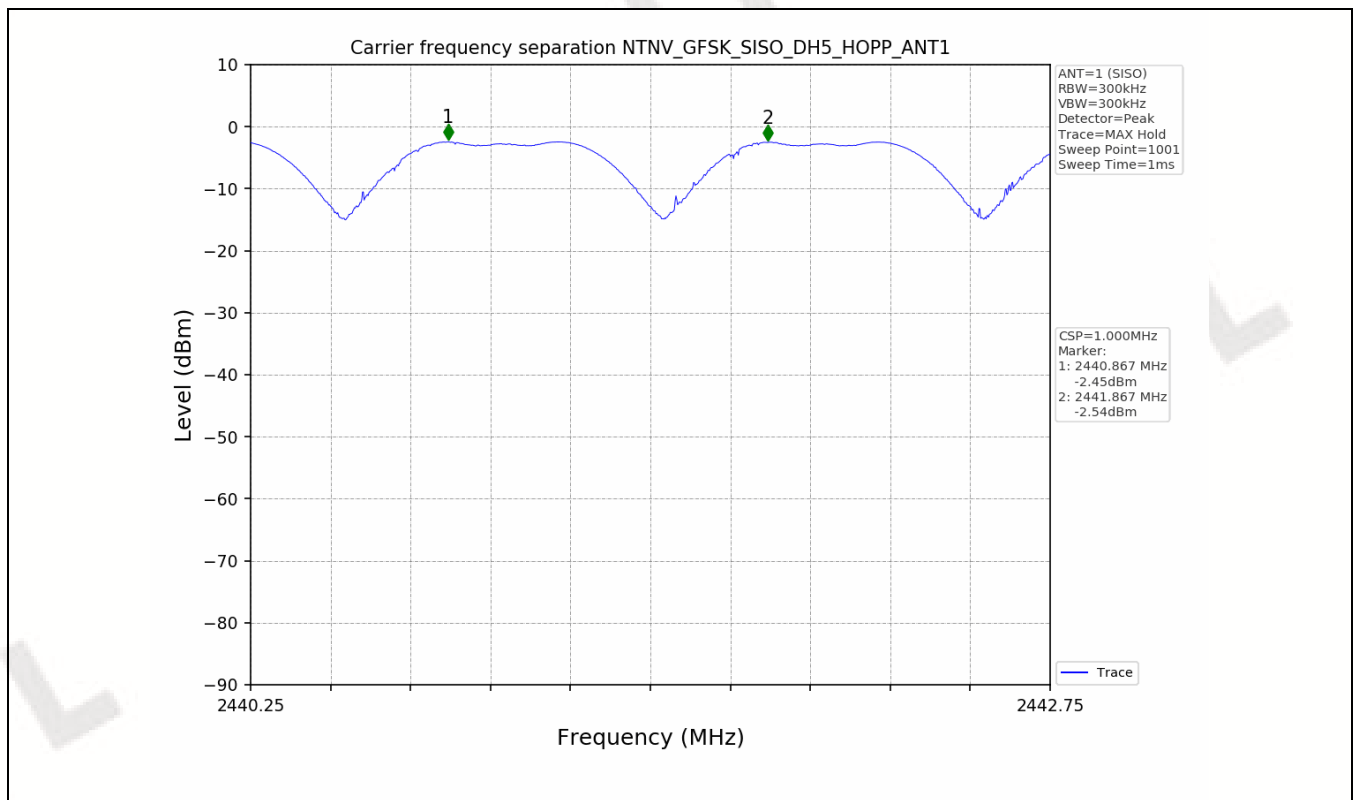


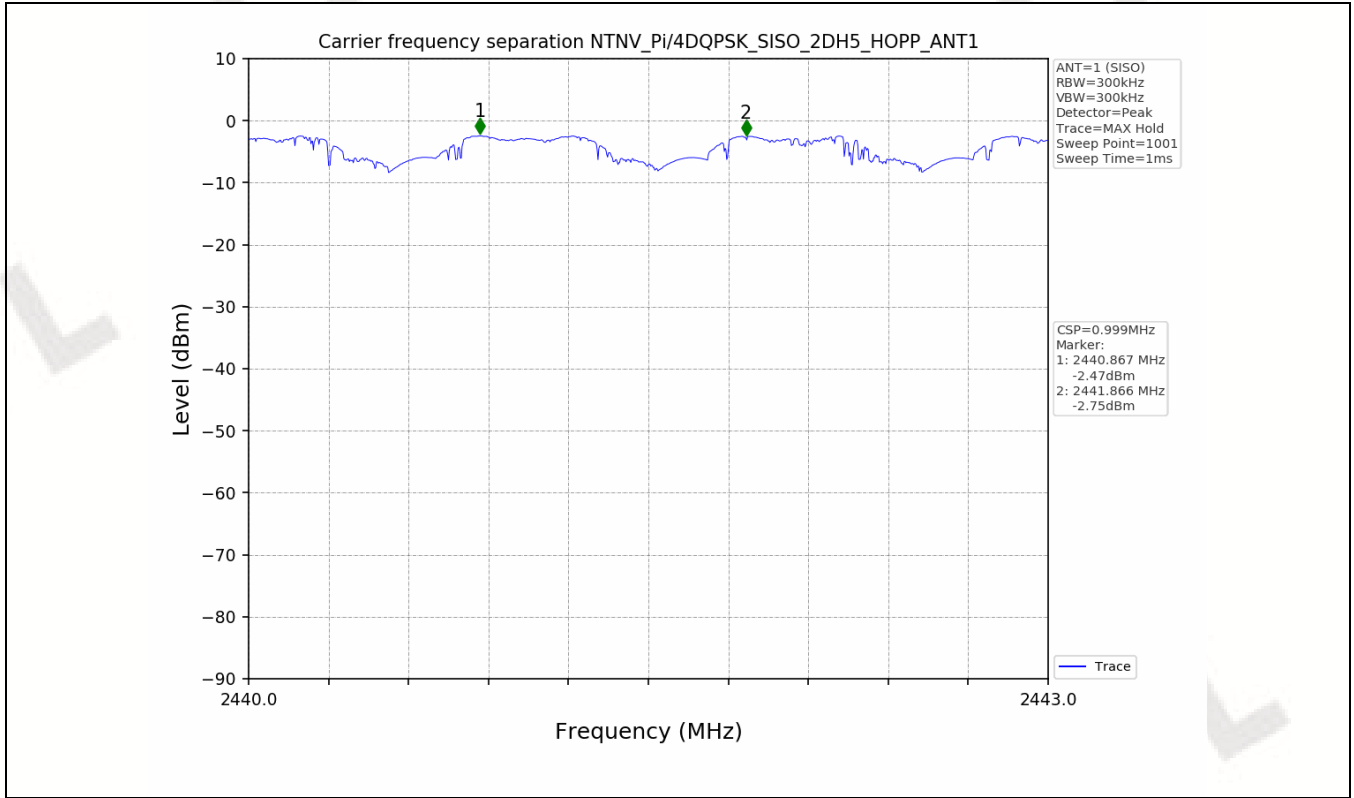
3. Carrier frequency separation

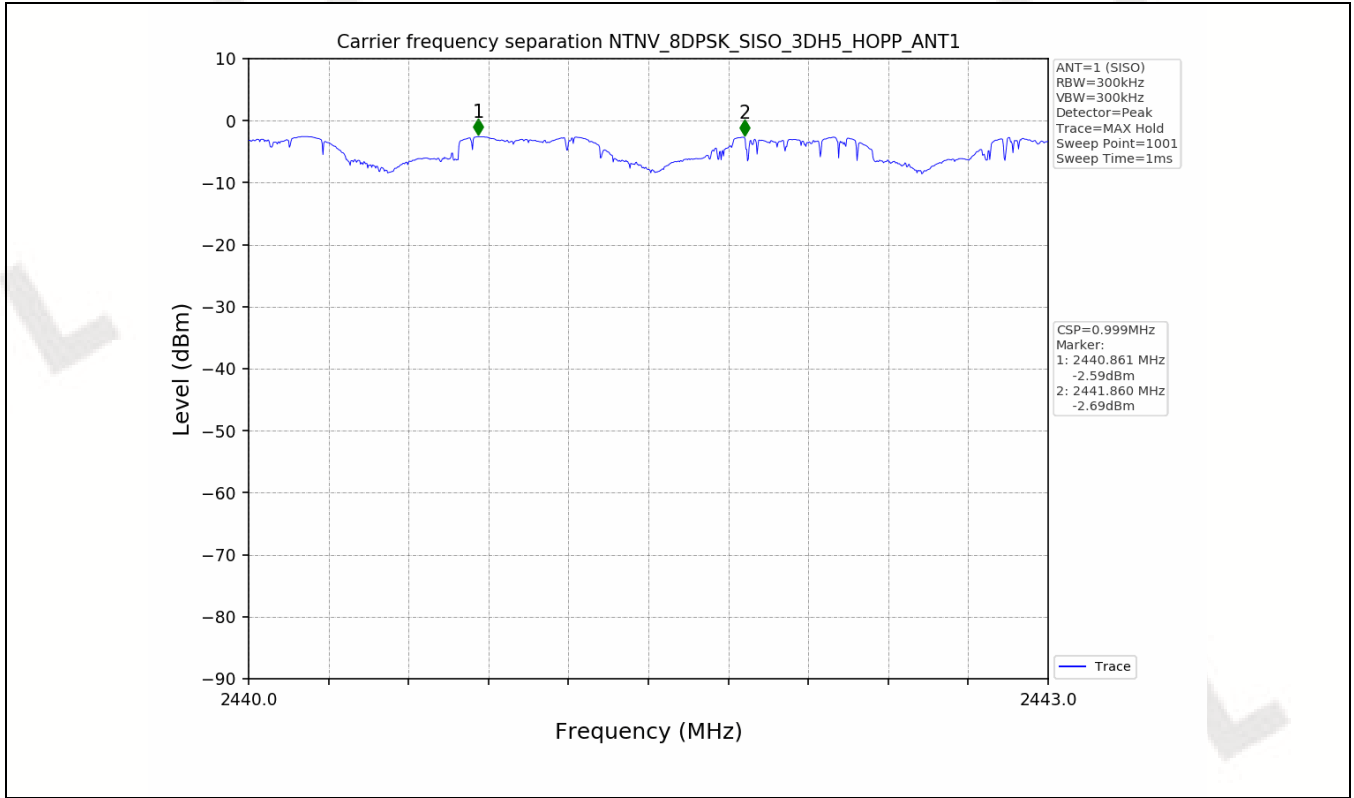
3.1 Test Result

Test Mode	TX Type	ANT No.	Channel Separation (MHz)	20dB Bandwidth (MHz)	Limits (MHz)	Verdict
GFSK	SISO	1	1.000	0.981	≥0.981	PASS
Pi/4DQPSK	SISO	1	0.999	1.322	≥0.881	PASS
8DPSK	SISO	1	0.999	1.302	≥0.868	PASS

3.2 Test Graph







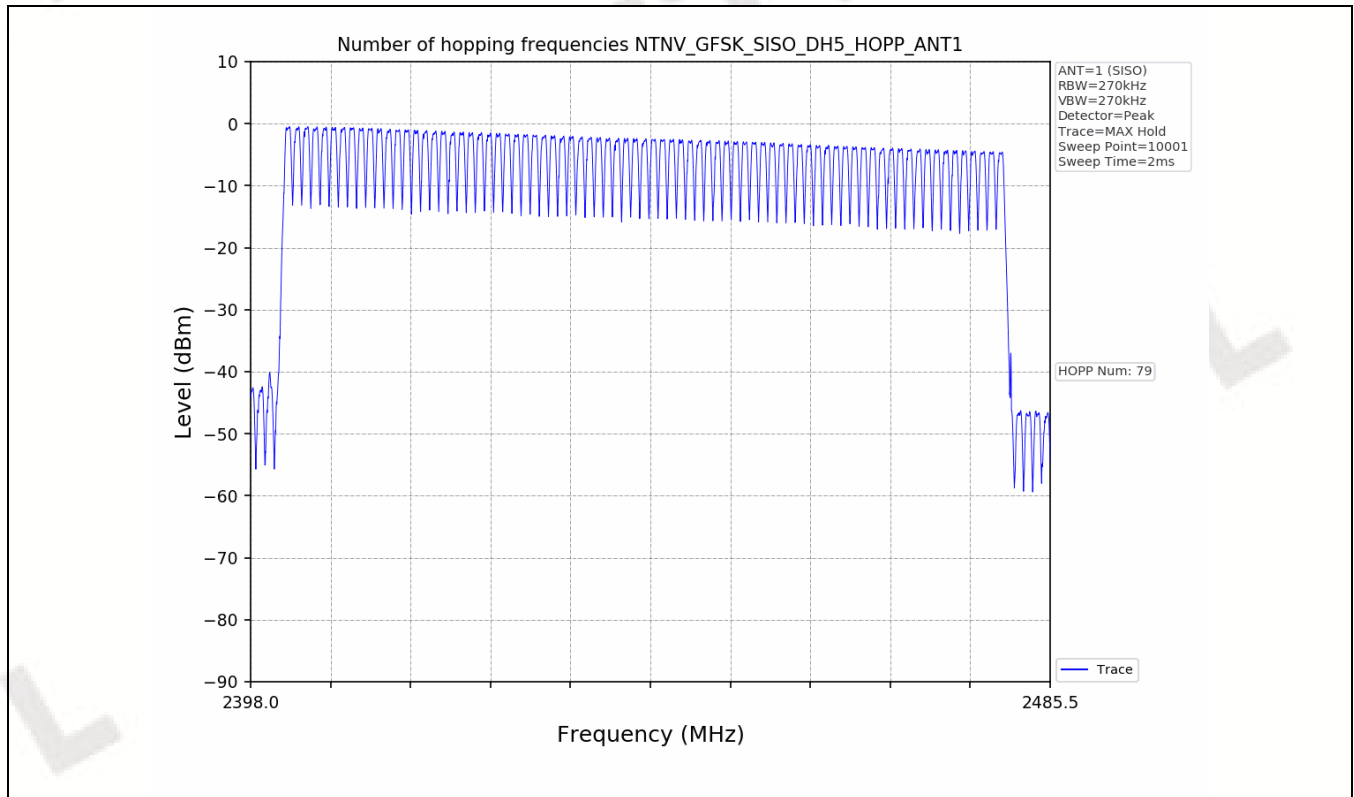


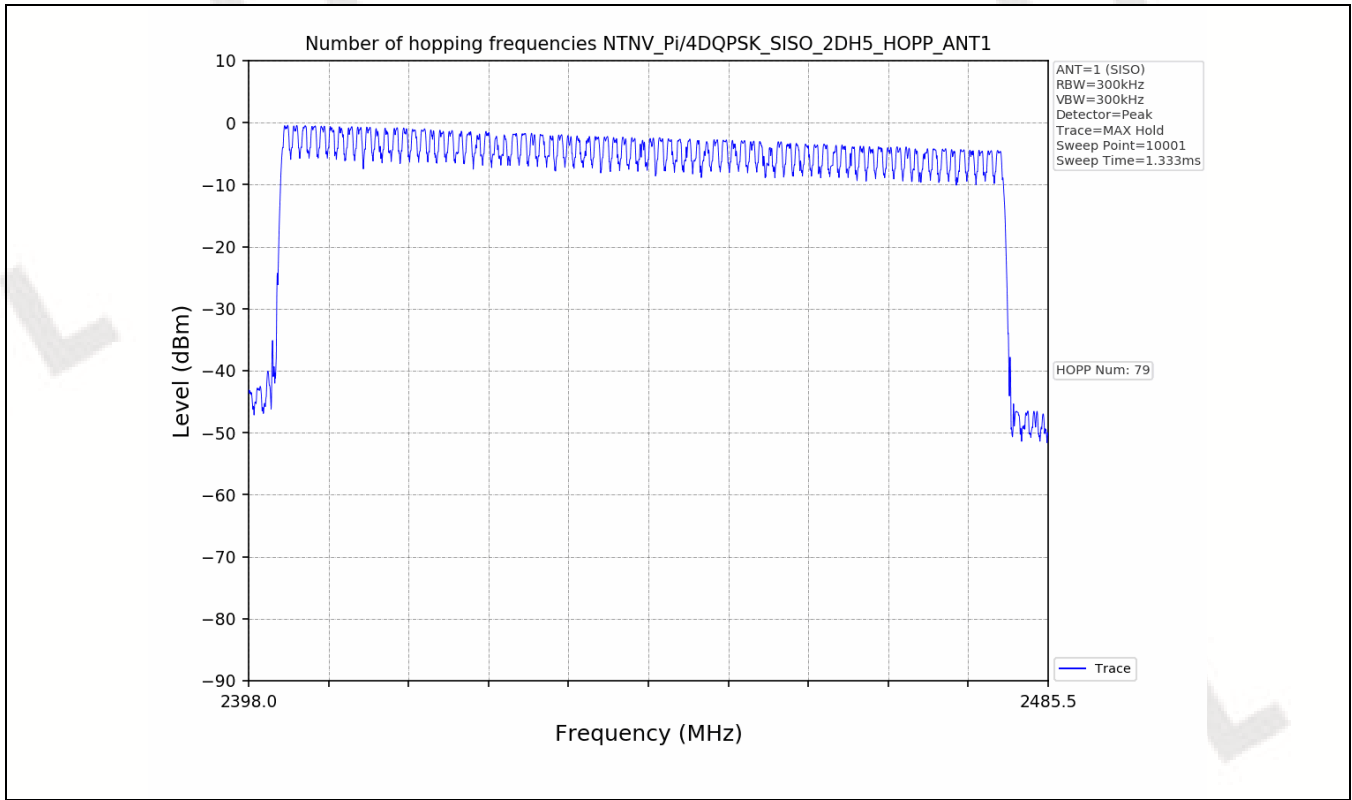
4. Number of hopping frequencies

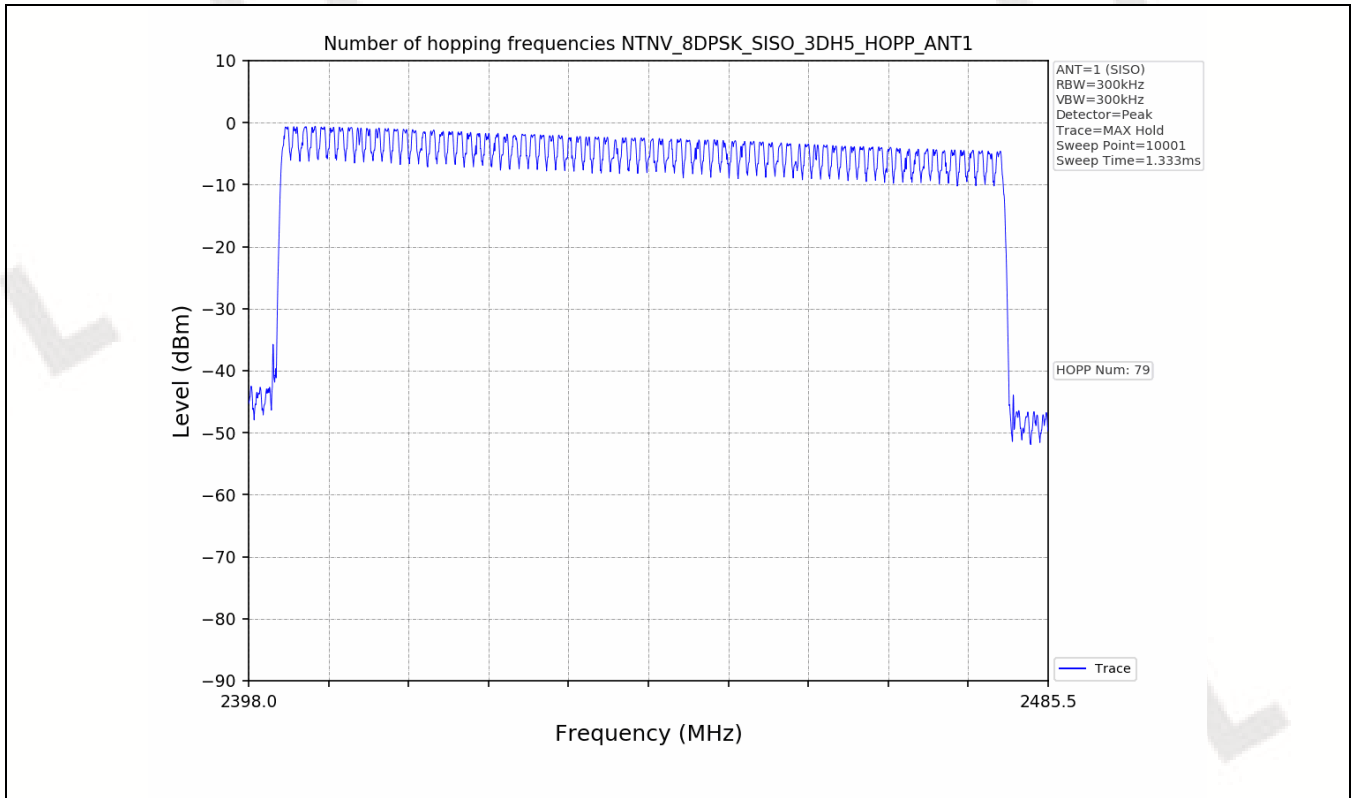
4.1 Test Result

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







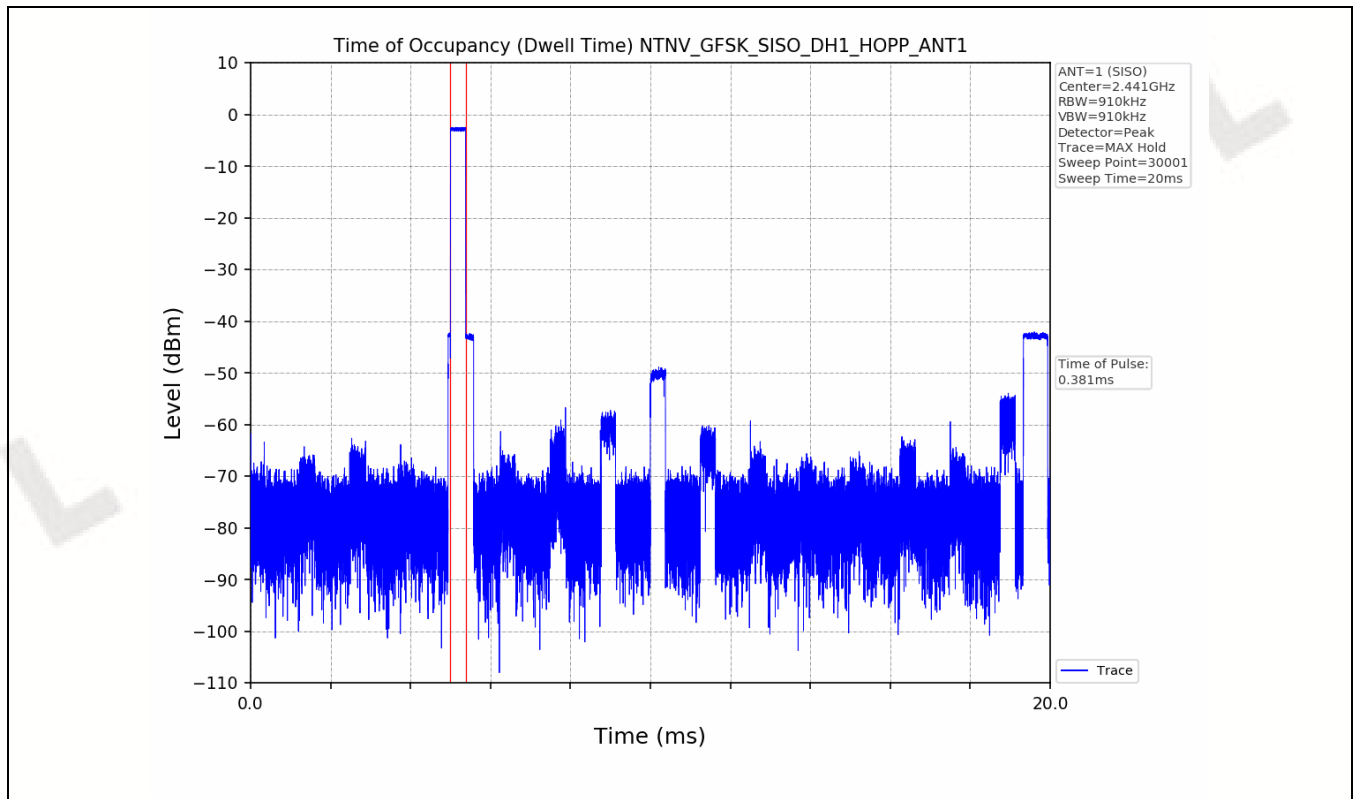


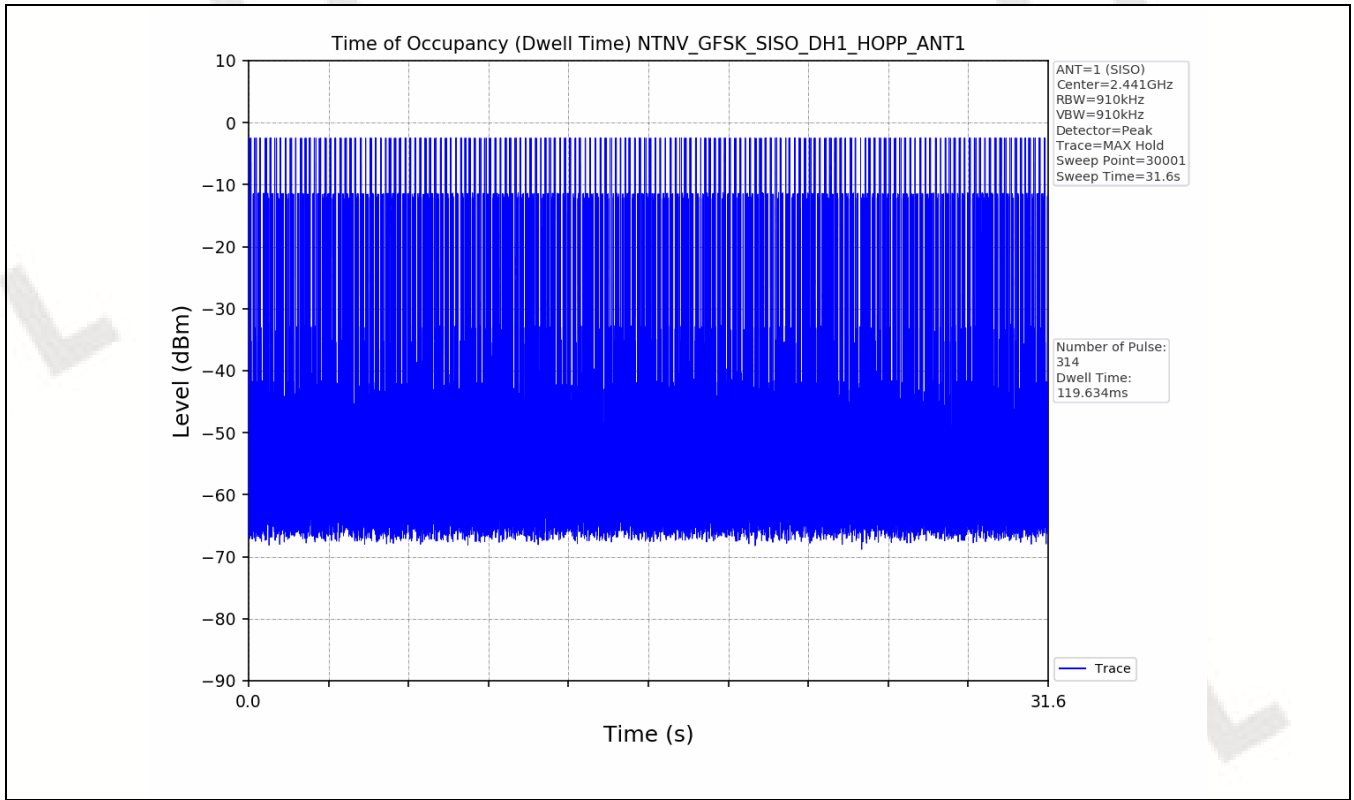
5. Time of Occupancy (Dwell Time)

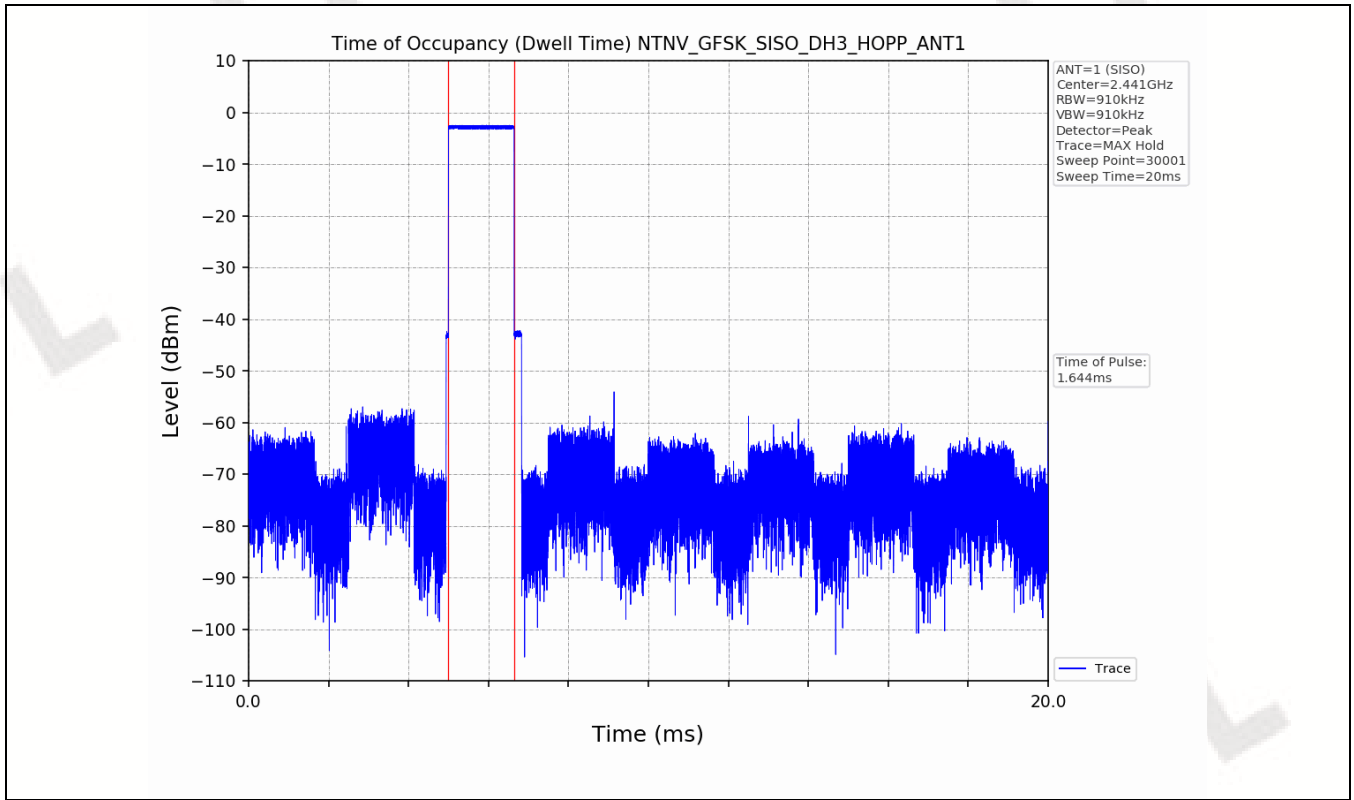
5.1 Test Result

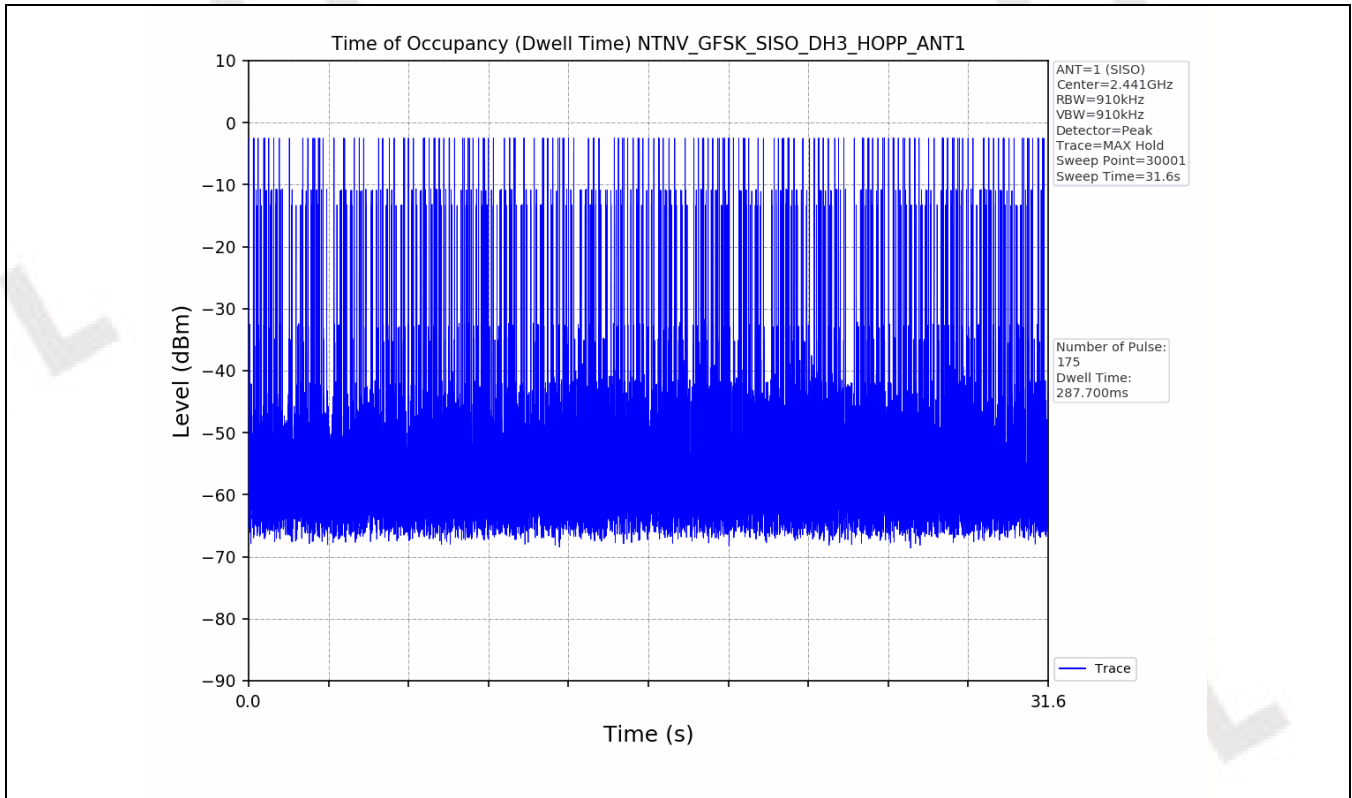
Test Mode	Packet Type	TX Type	ANT No.	Duration of Single Pulse (ms)	Observation Period (s)	Num of Pulse in Observation Period	Dwell Time (ms)	Limits (ms)	Verdict
GFSK	DH1	SISO	1	0.381	31.6	314	119.634	≤400	PASS
	DH3	SISO	1	1.644	31.6	175	287.700	≤400	PASS
	DH5	SISO	1	2.895	31.6	106	306.870	≤400	PASS
Pi/4DQ PSK	2DH1	SISO	1	0.389	31.6	314	122.146	≤400	PASS
	2DH3	SISO	1	1.642	31.6	175	287.350	≤400	PASS
	2DH5	SISO	1	1.643	31.6	157	257.951	≤400	PASS
8DPSK	3DH1	SISO	1	0.389	31.6	314	122.146	≤400	PASS
	3DH3	SISO	1	1.639	31.6	171	280.269	≤400	PASS
	3DH5	SISO	1	2.890	31.6	130	375.700	≤400	PASS

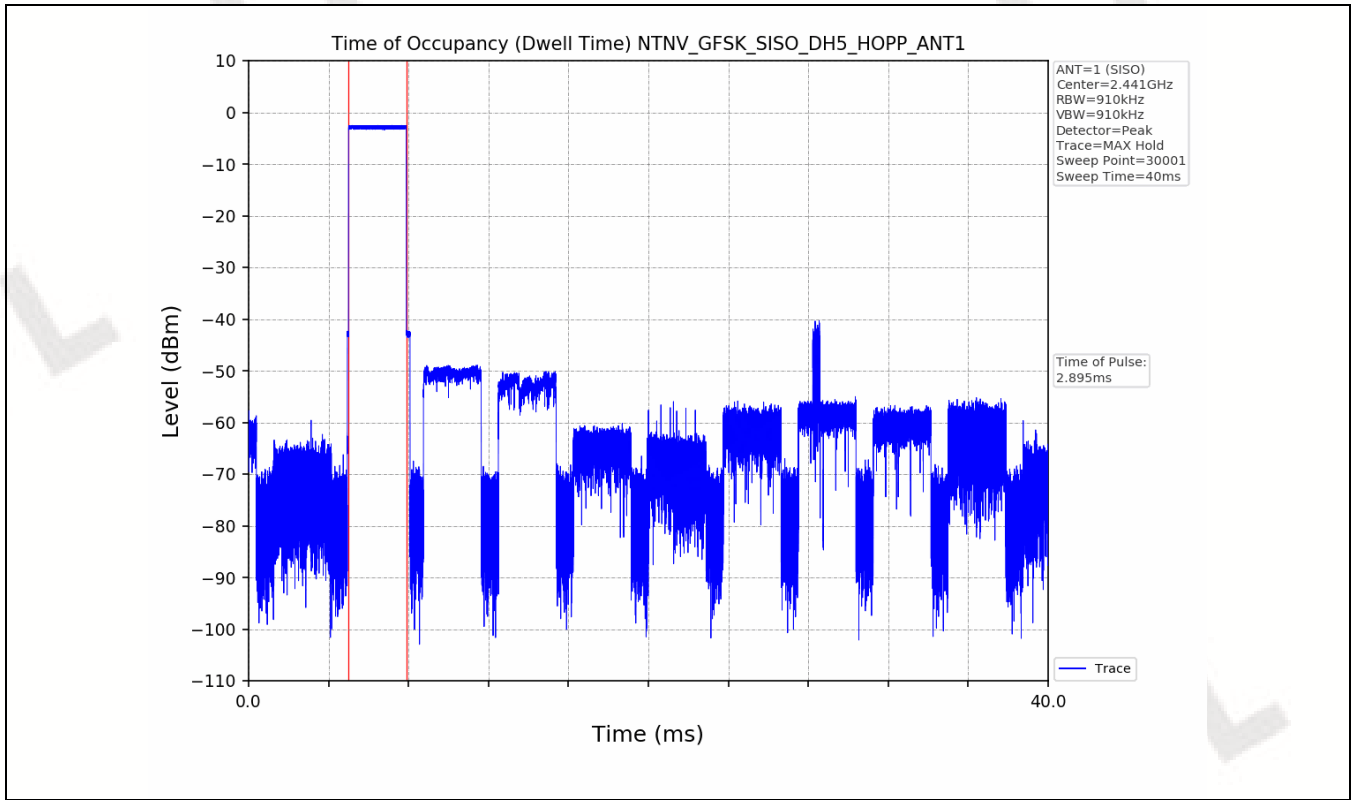
5.2 Test Graph

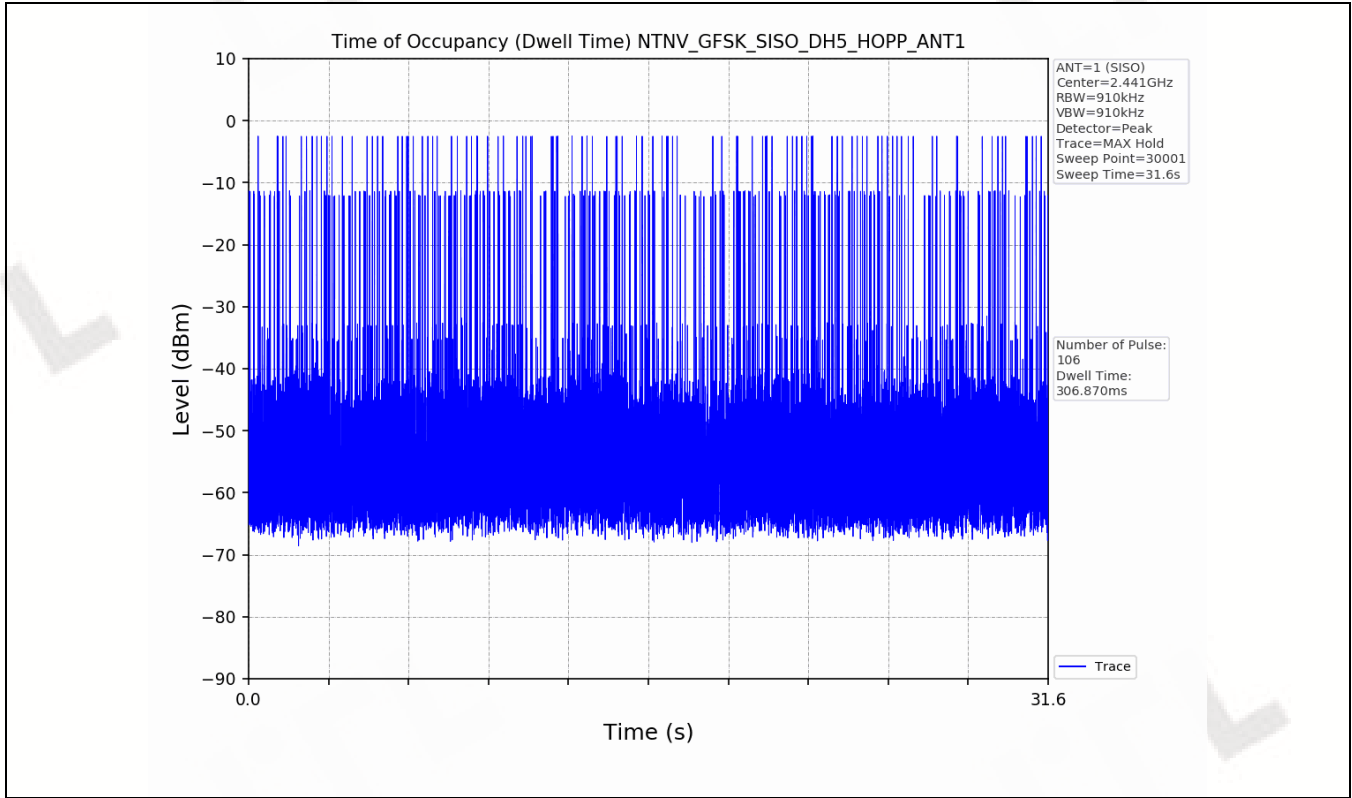


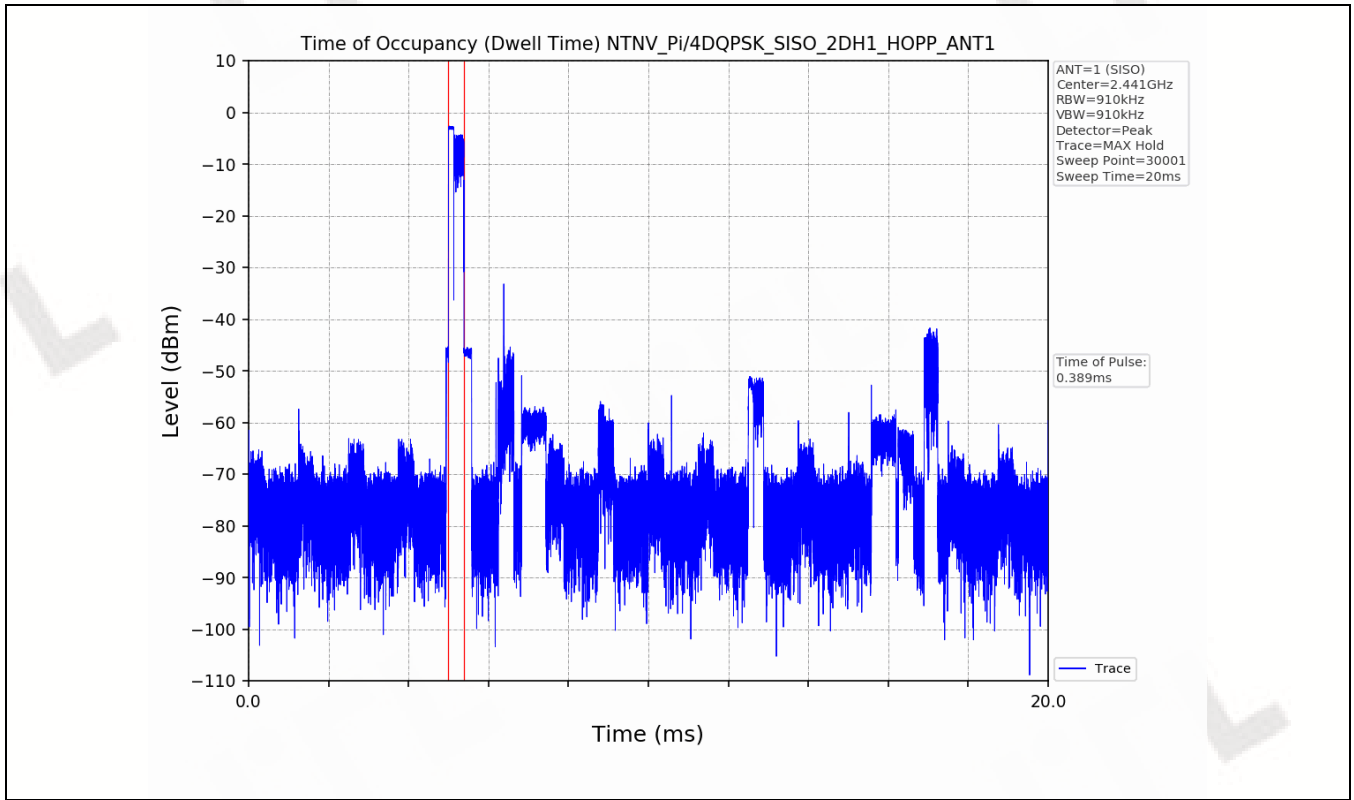


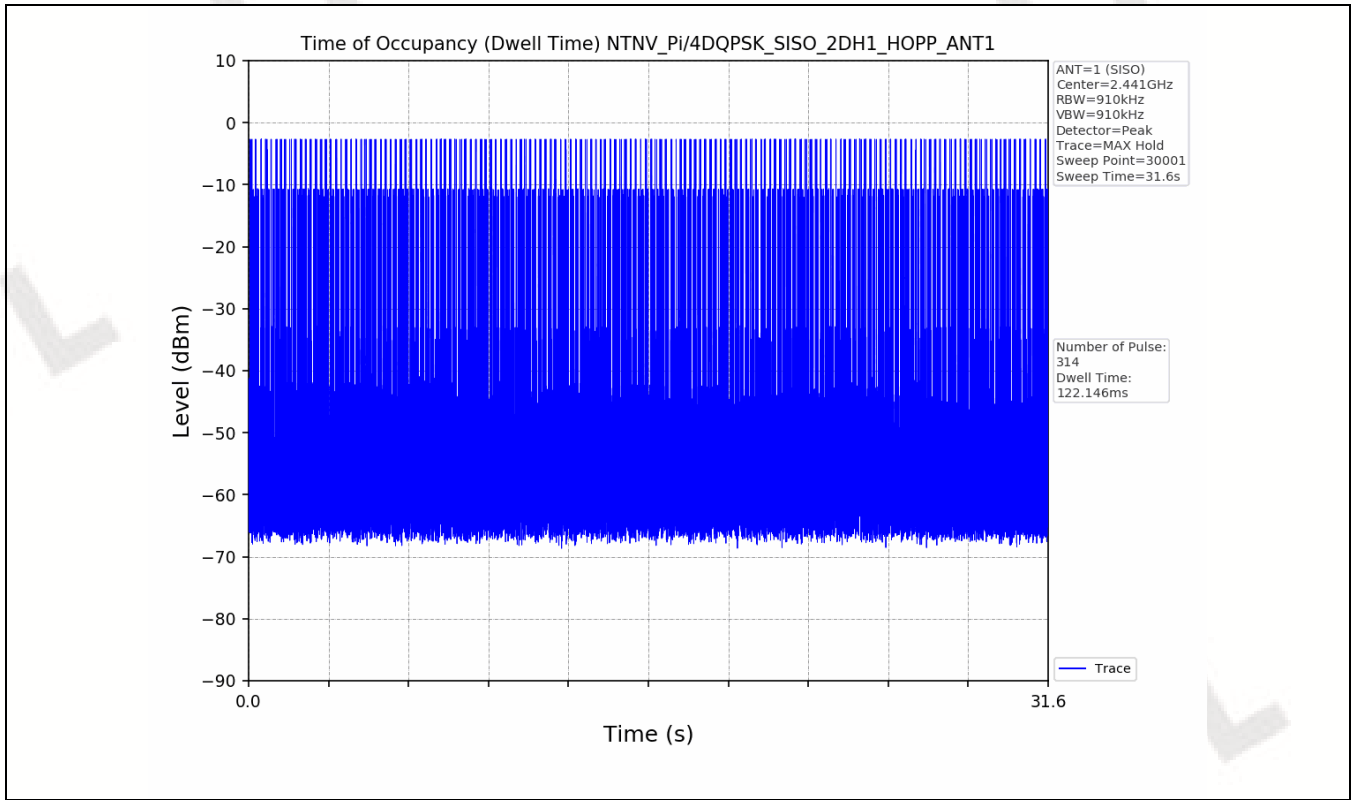


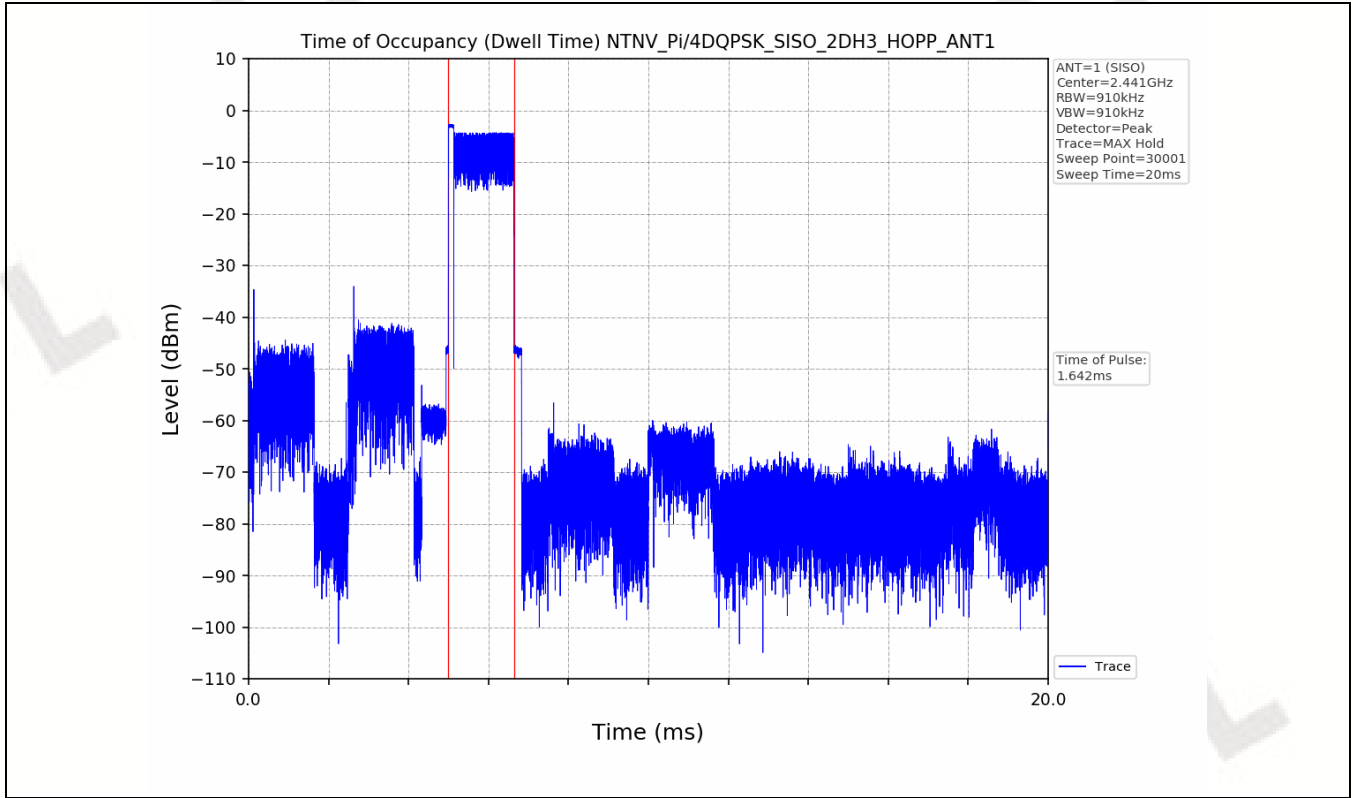


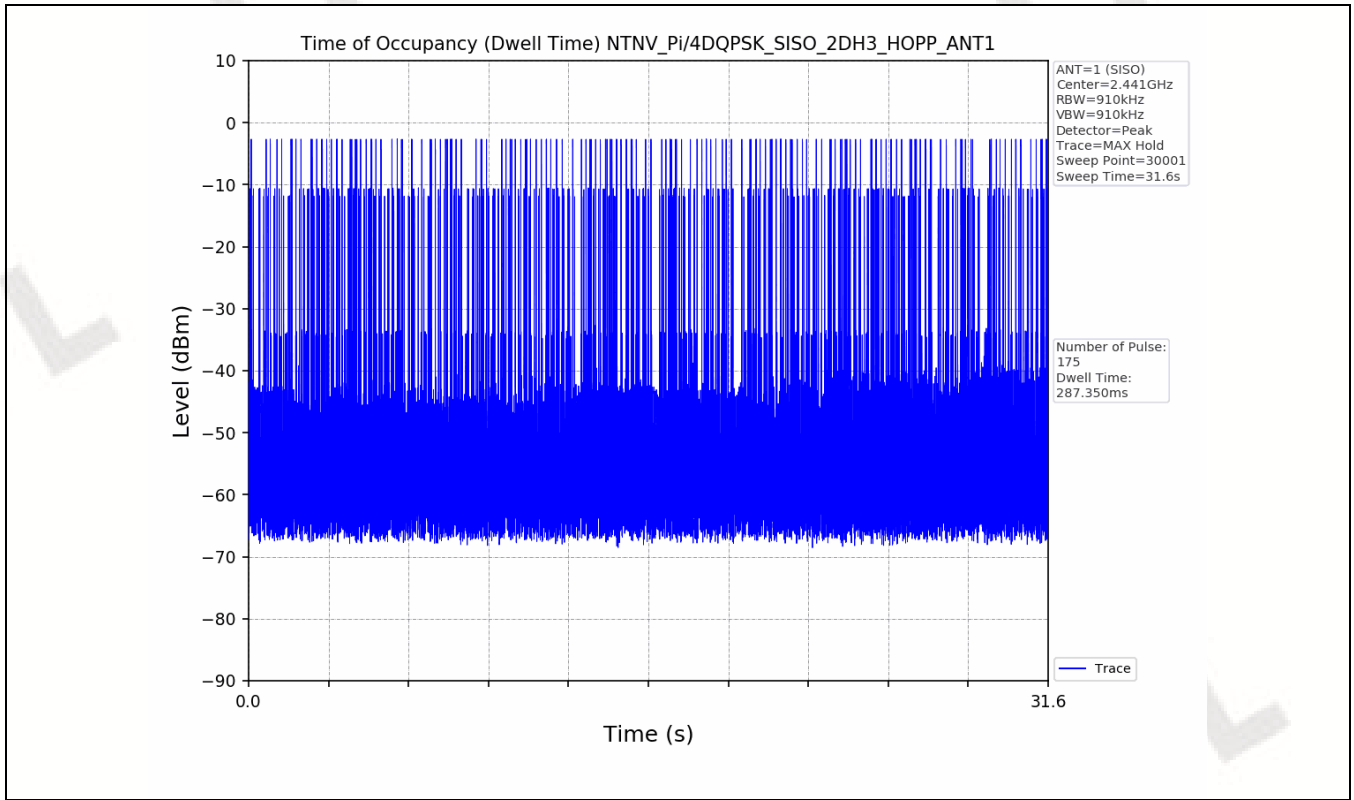


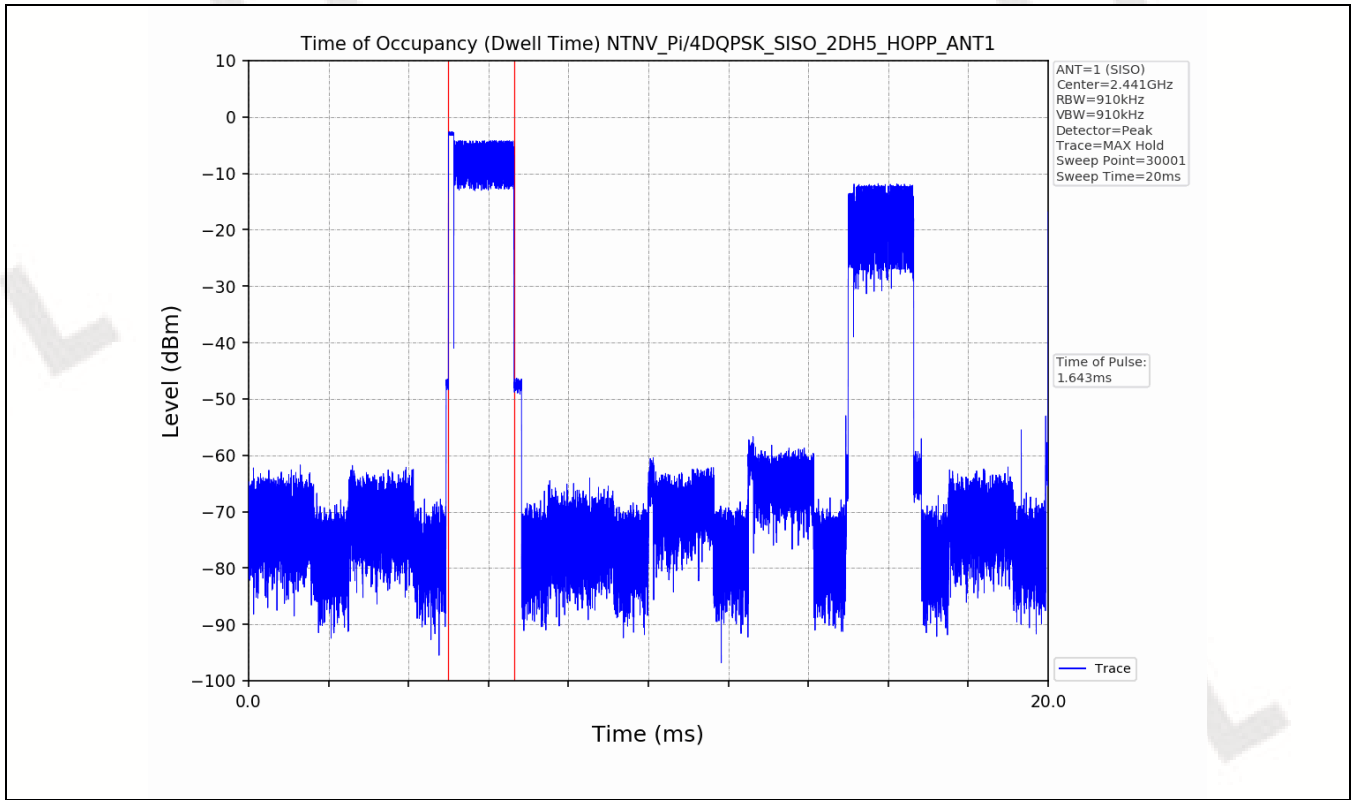


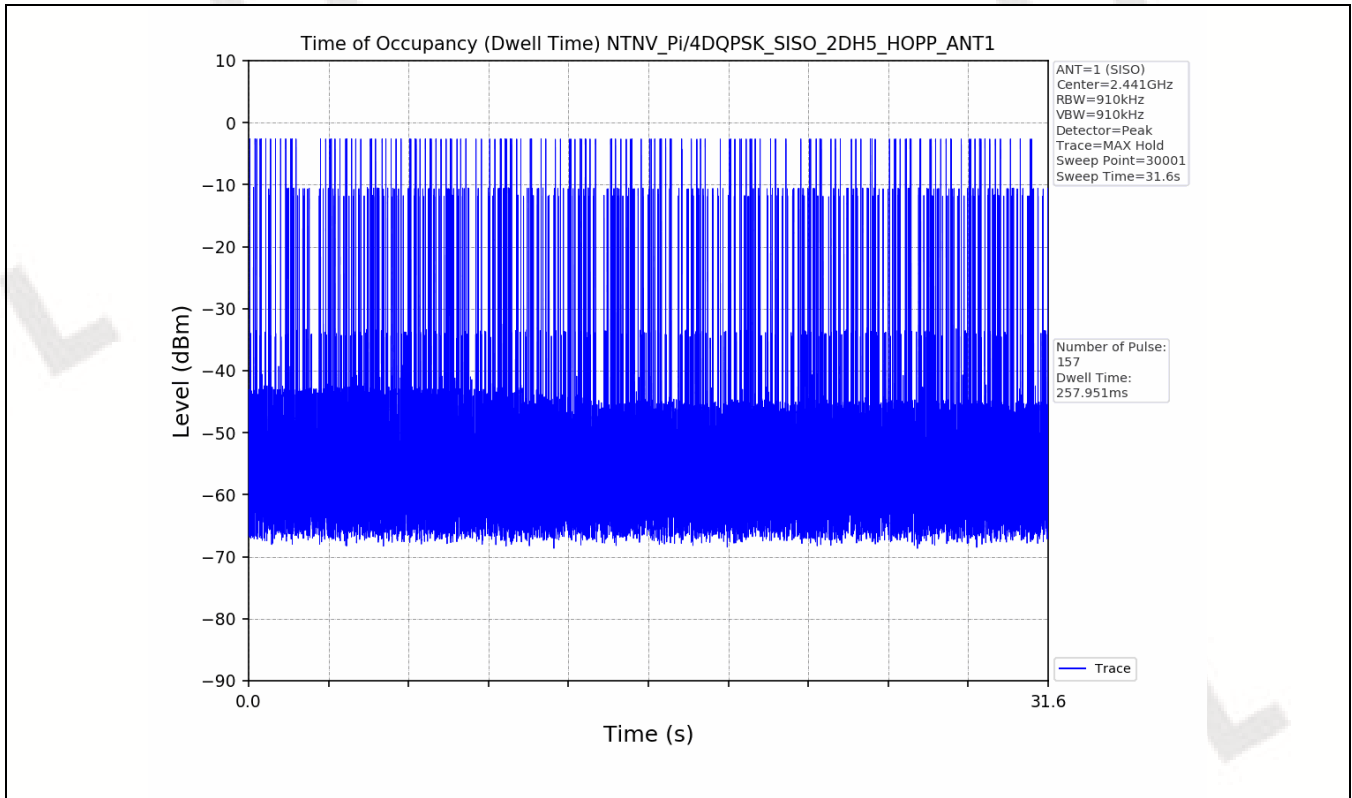


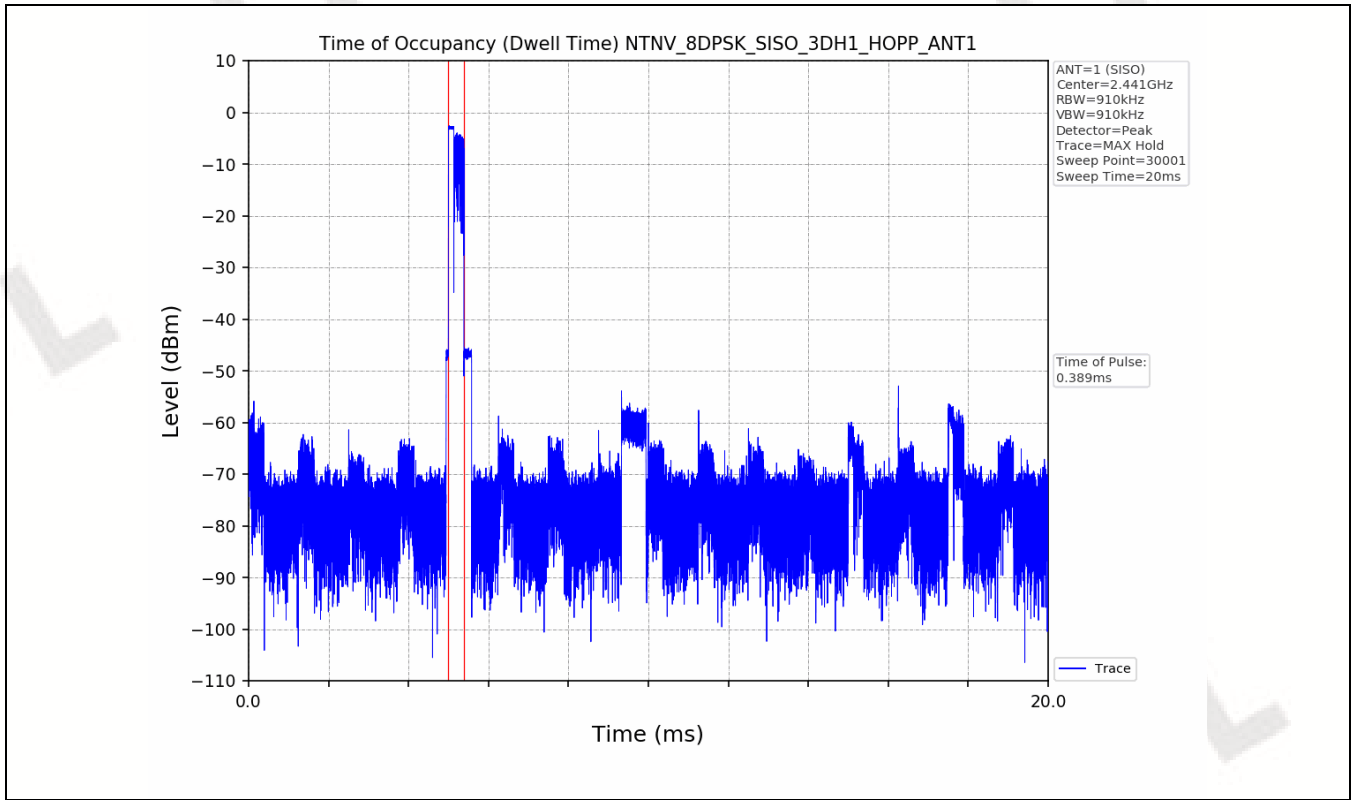


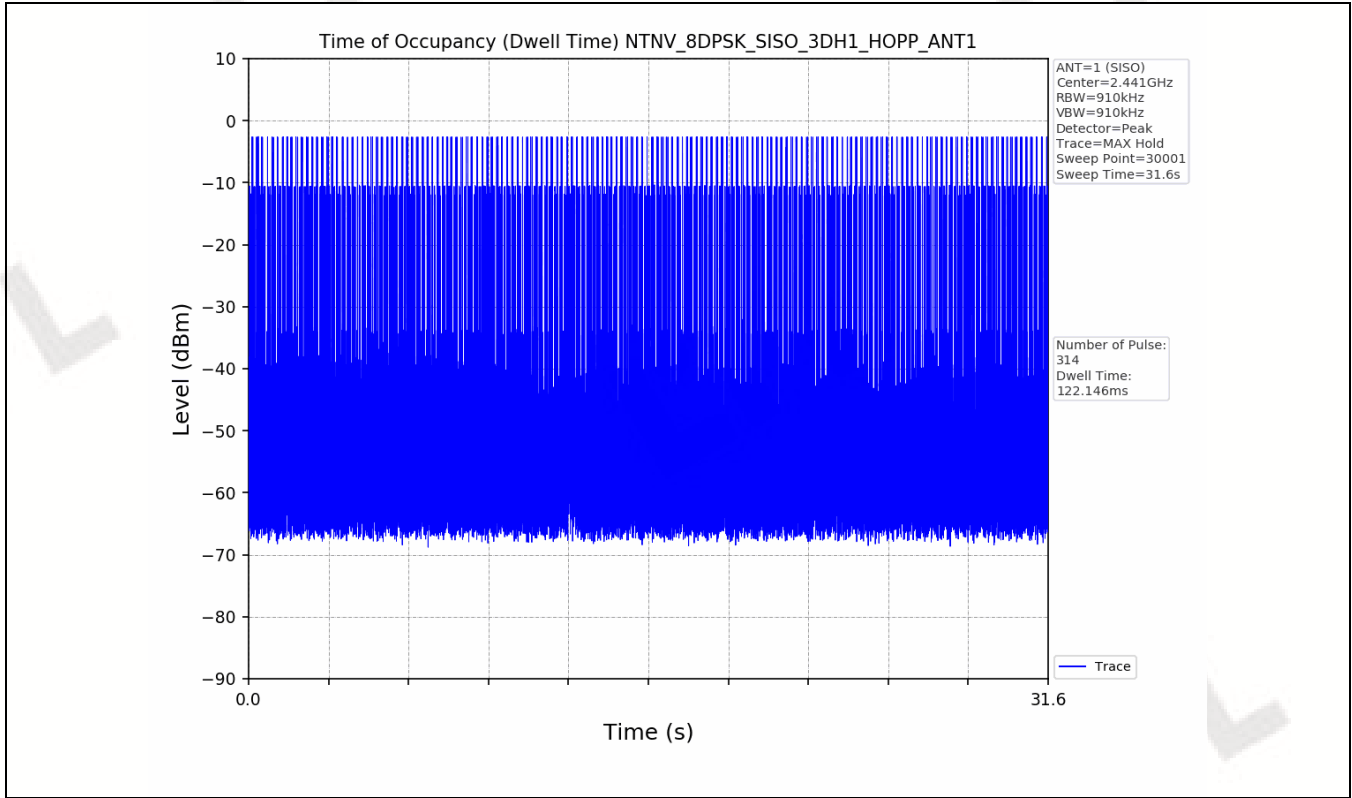


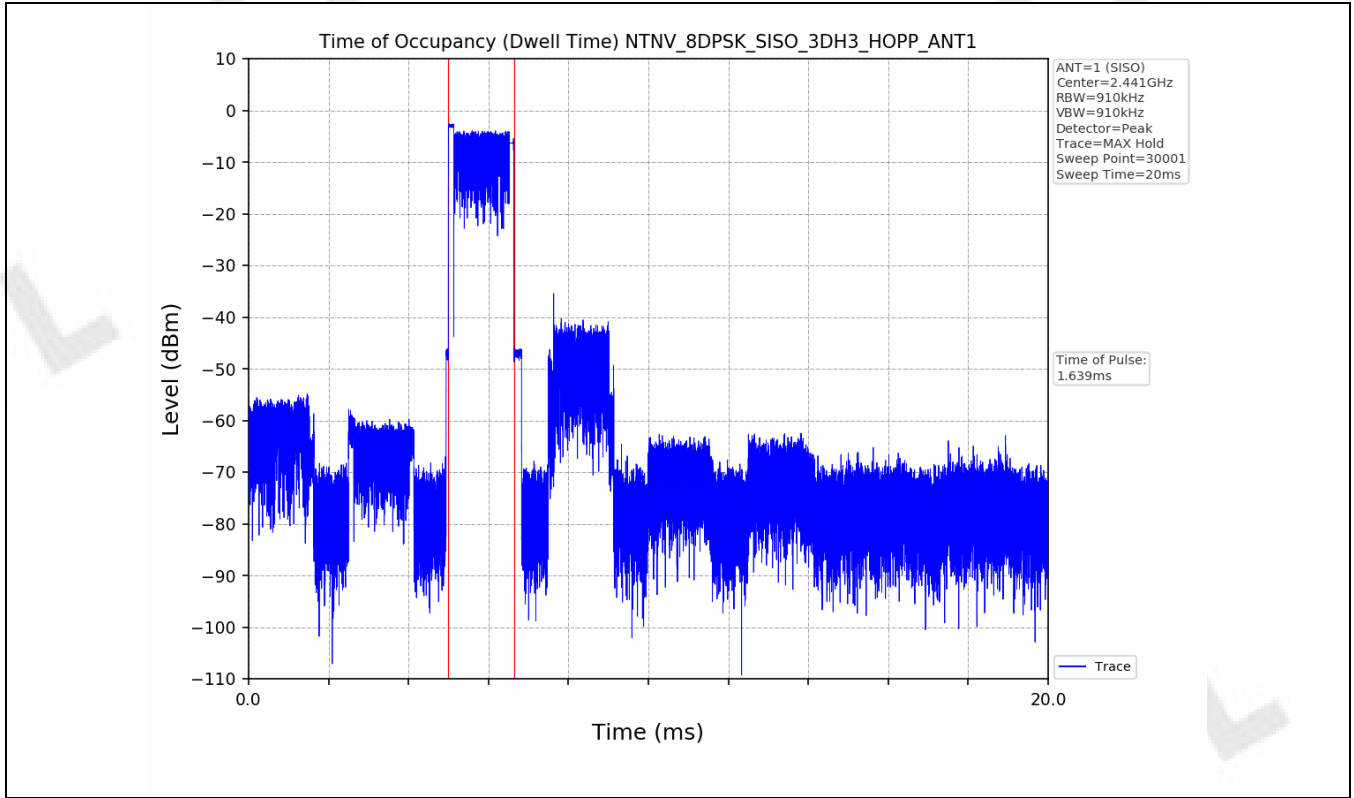


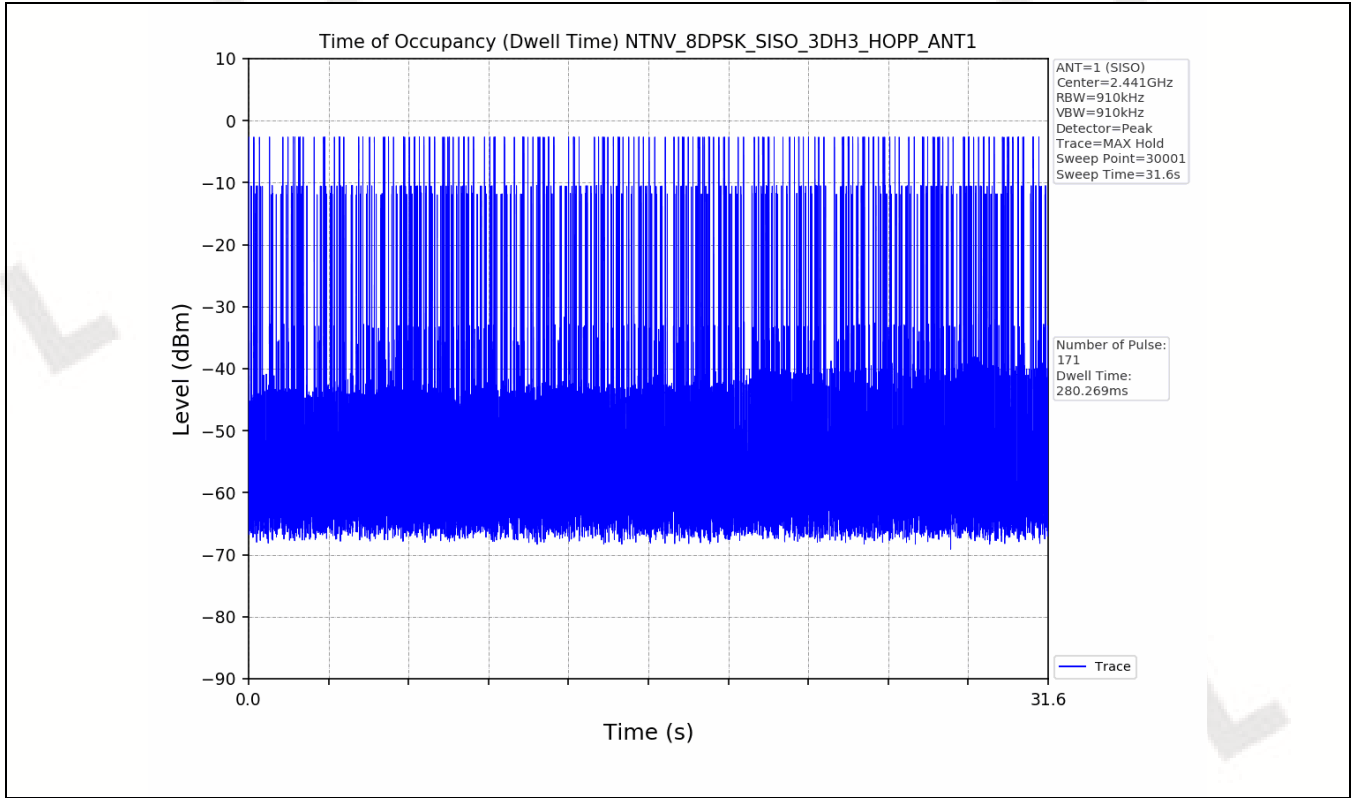


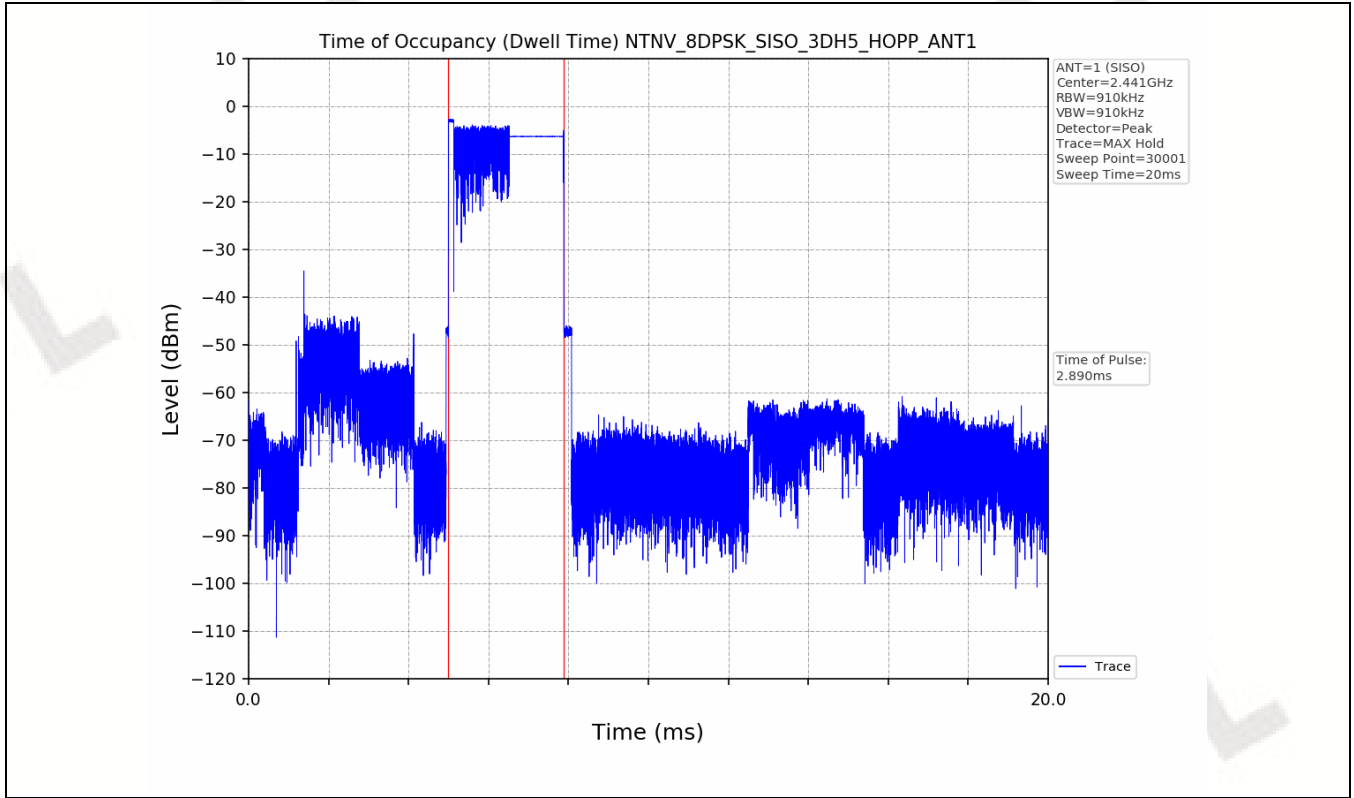


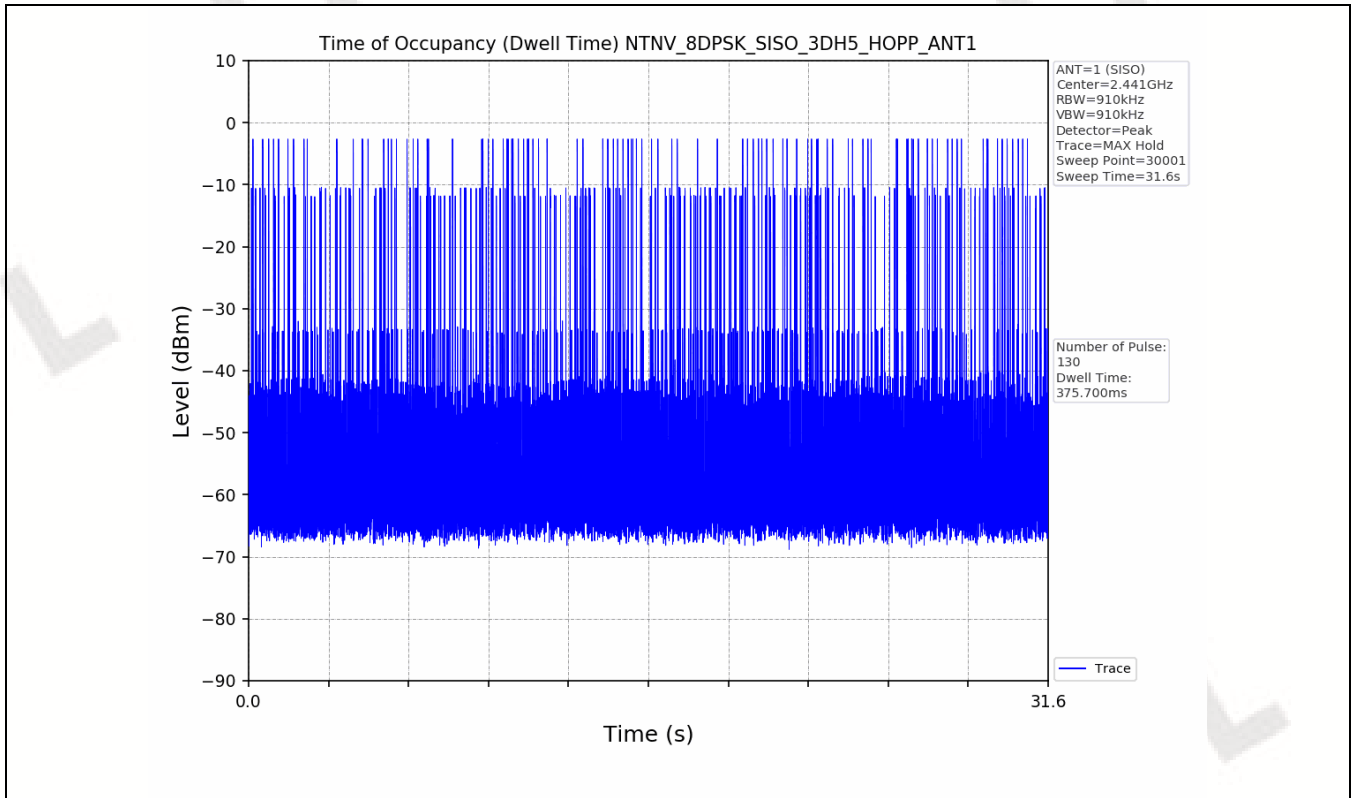














6. Unwanted Emissions in Non-restricted Frequency Bands

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	-20.64	PASS
	2441	SISO	1	Refer to test graph	-20.64	PASS
	2480	SISO	1	Refer to test graph	-20.64	PASS
	Hopping	SISO	1	Refer to test graph	-20.64	PASS
Pi/4DQPSK	2402	SISO	1	Refer to test graph	-20.63	PASS
	2441	SISO	1	Refer to test graph	-20.63	PASS
	2480	SISO	1	Refer to test graph	-20.63	PASS
	Hopping	SISO	1	Refer to test graph	-20.63	PASS
8DPSK	2402	SISO	1	Refer to test graph	-20.78	PASS
	2441	SISO	1	Refer to test graph	-20.78	PASS
	2480	SISO	1	Refer to test graph	-20.78	PASS
	Hopping	SISO	1	Refer to test graph	-20.78	PASS

6.2 Test Graph

