

## Appendix for 15.247

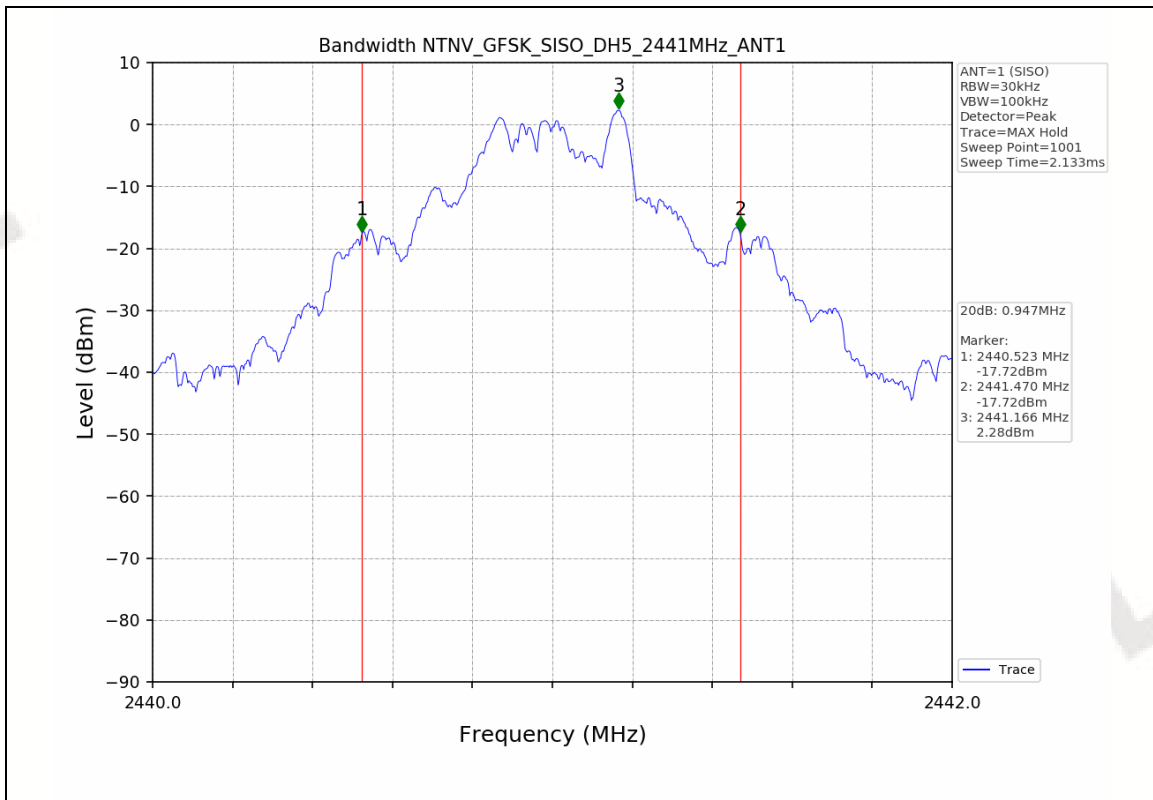
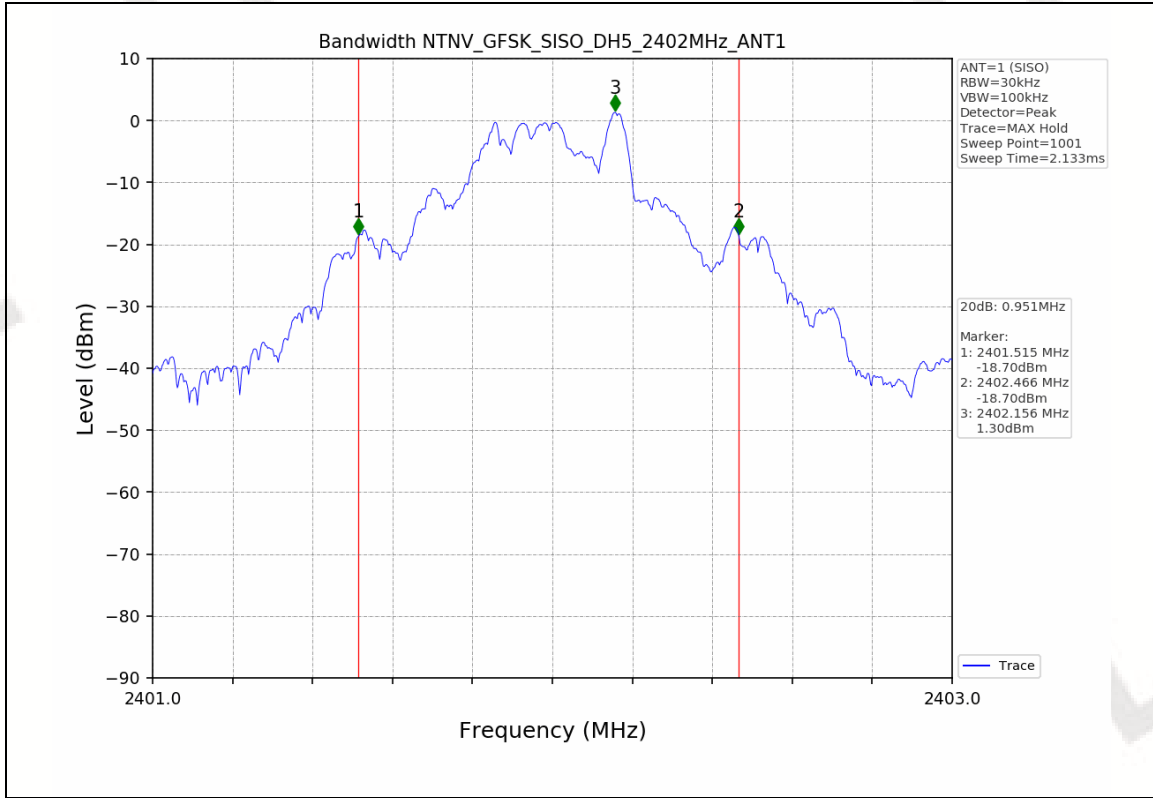
### 1. Bandwidth

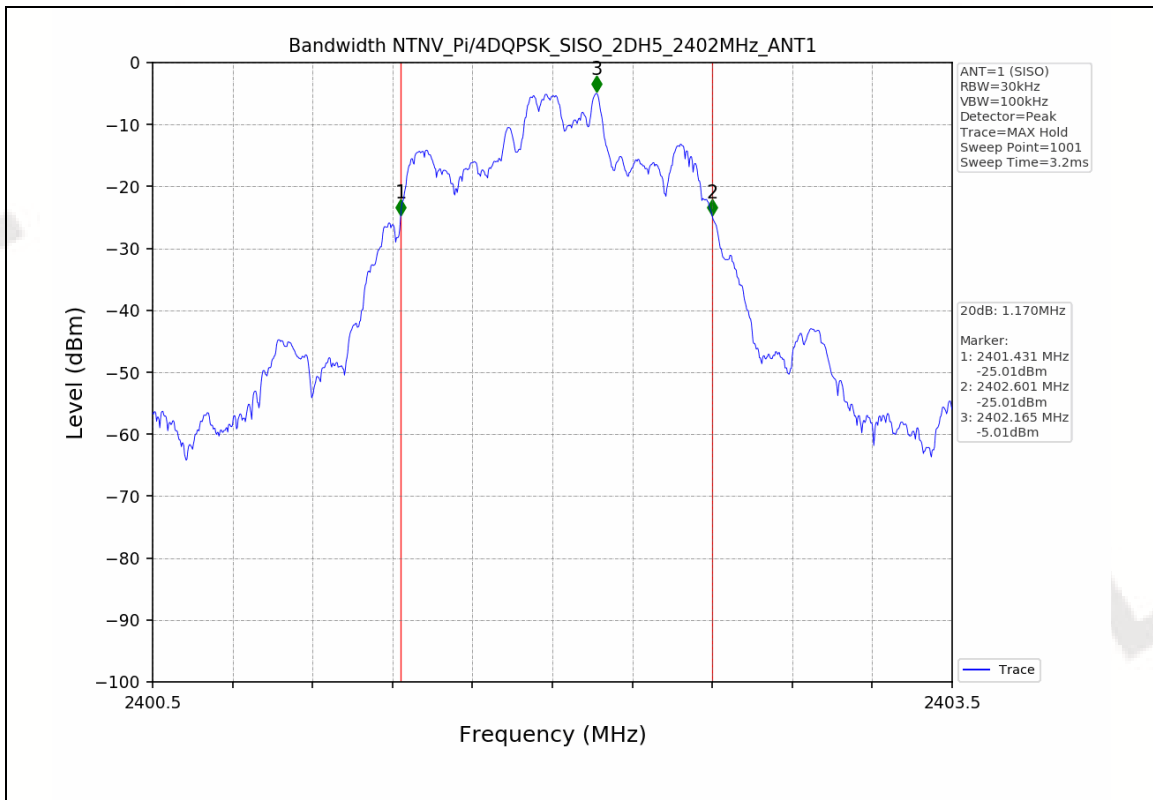
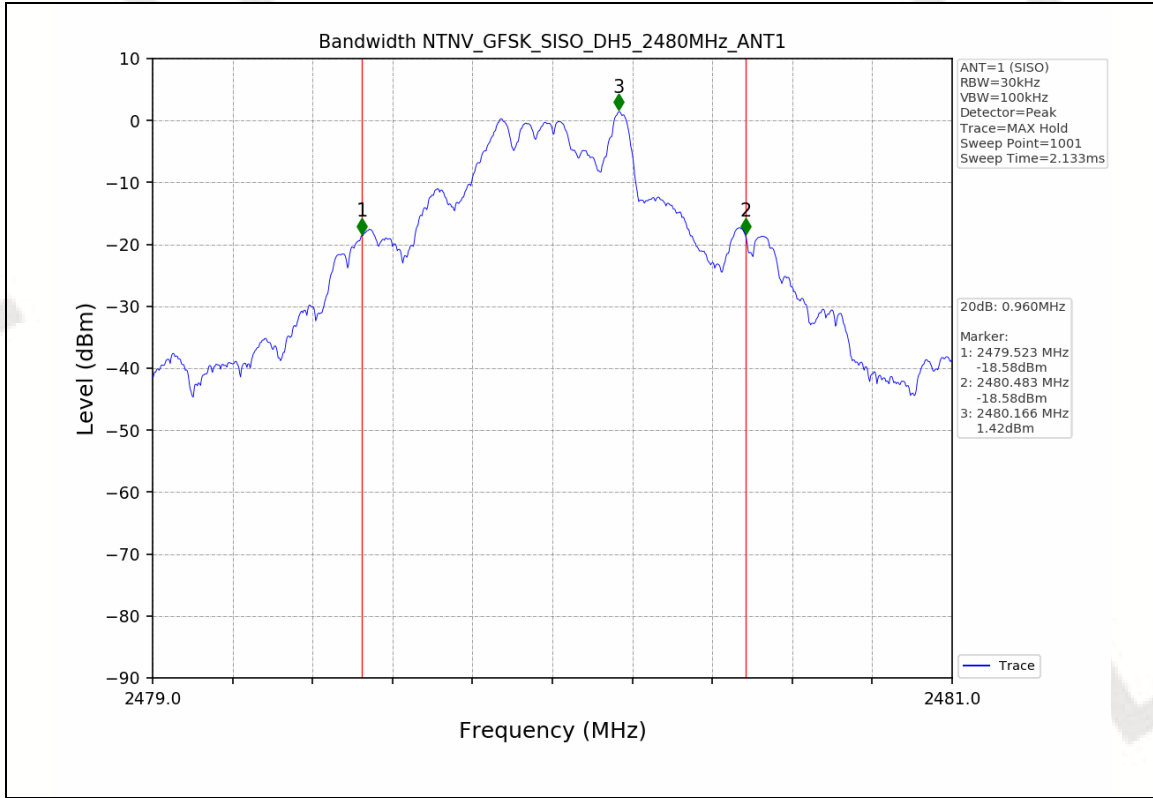
#### 1.1 Test Result

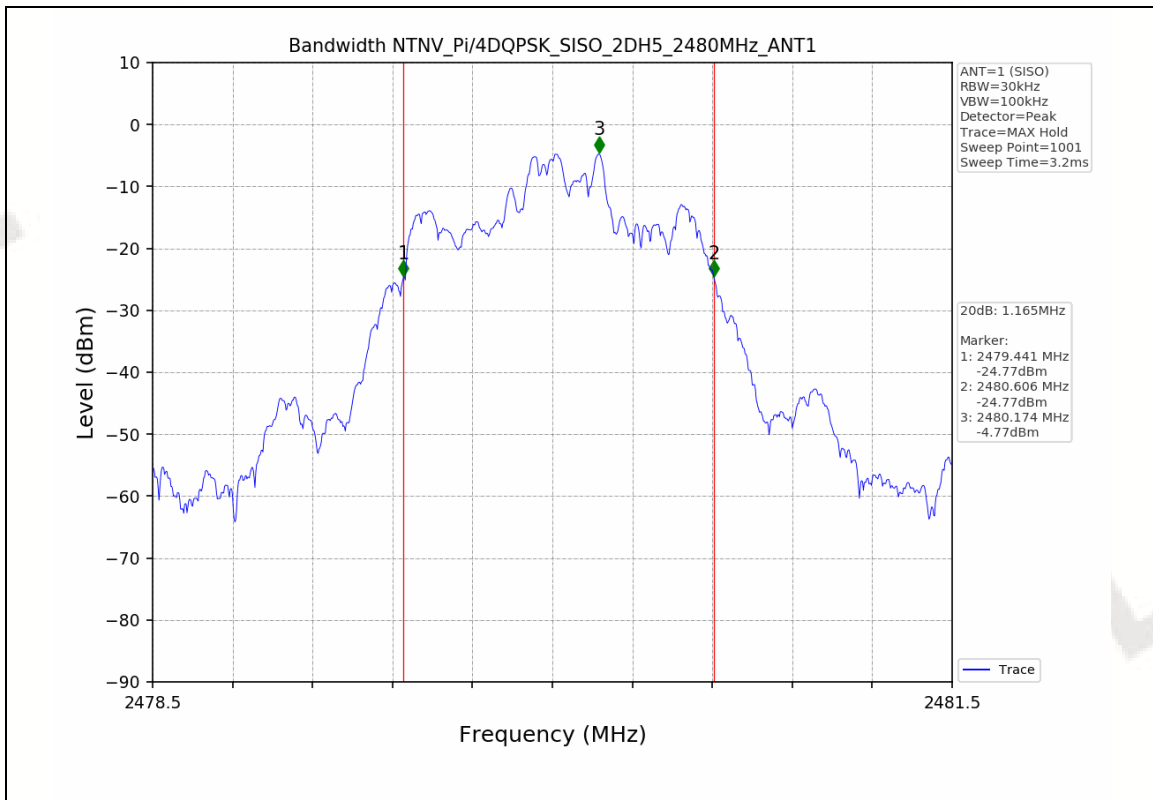
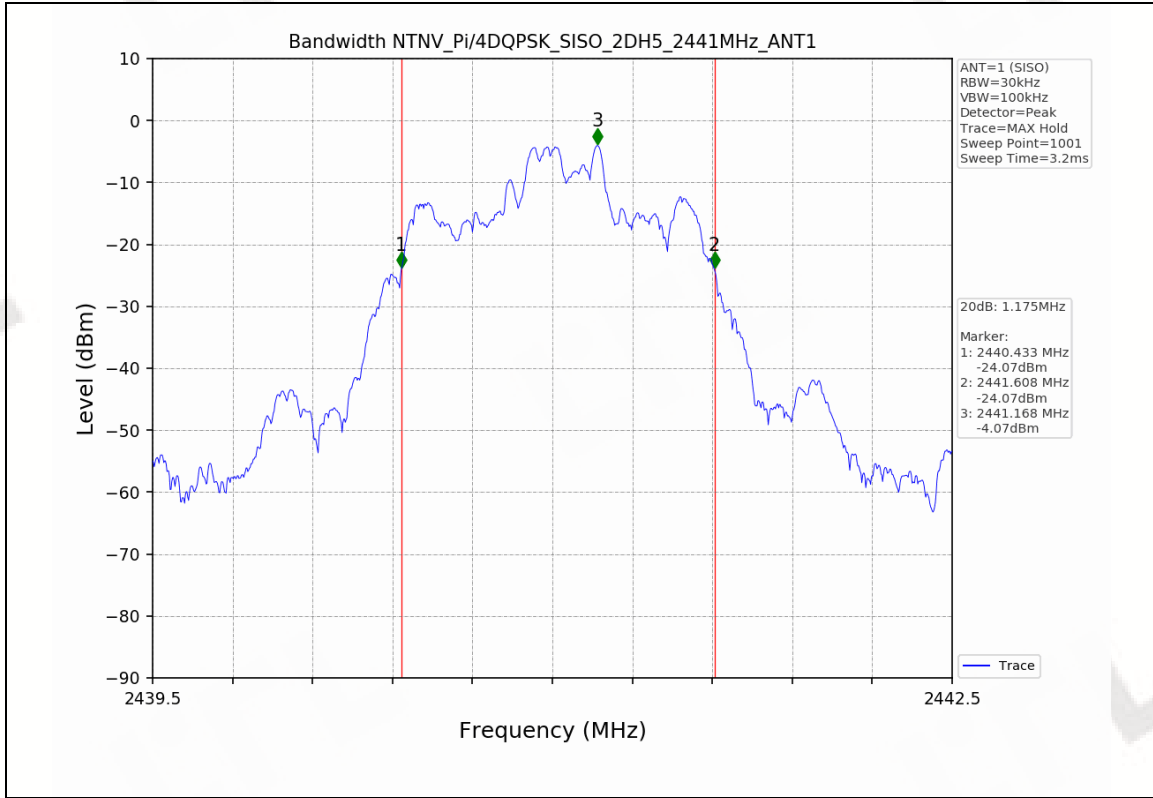
Test Mode	Frequency (MHz)	TX Type	ANT No.	20dB Bandwidth	Verdict
				Test Result (MHz)	
GFSK	2402	SISO	1	0.951	PASS
	2441	SISO	1	0.947	PASS
	2480	SISO	1	0.960	PASS
Pi/4DQPSK	2402	SISO	1	1.170	PASS
	2441	SISO	1	1.175	PASS
	2480	SISO	1	1.165	PASS
8DPSK	2402	SISO	1	1.143	PASS
	2441	SISO	1	1.133	PASS
	2480	SISO	1	1.146	PASS

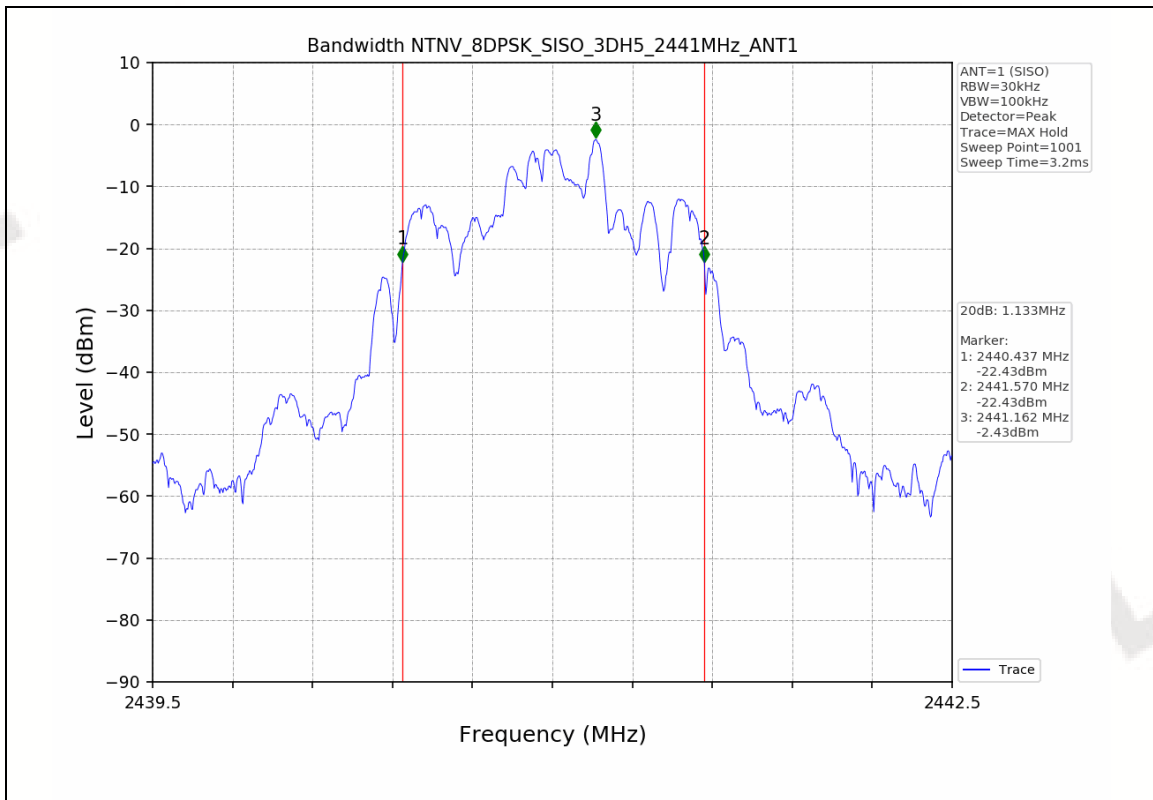
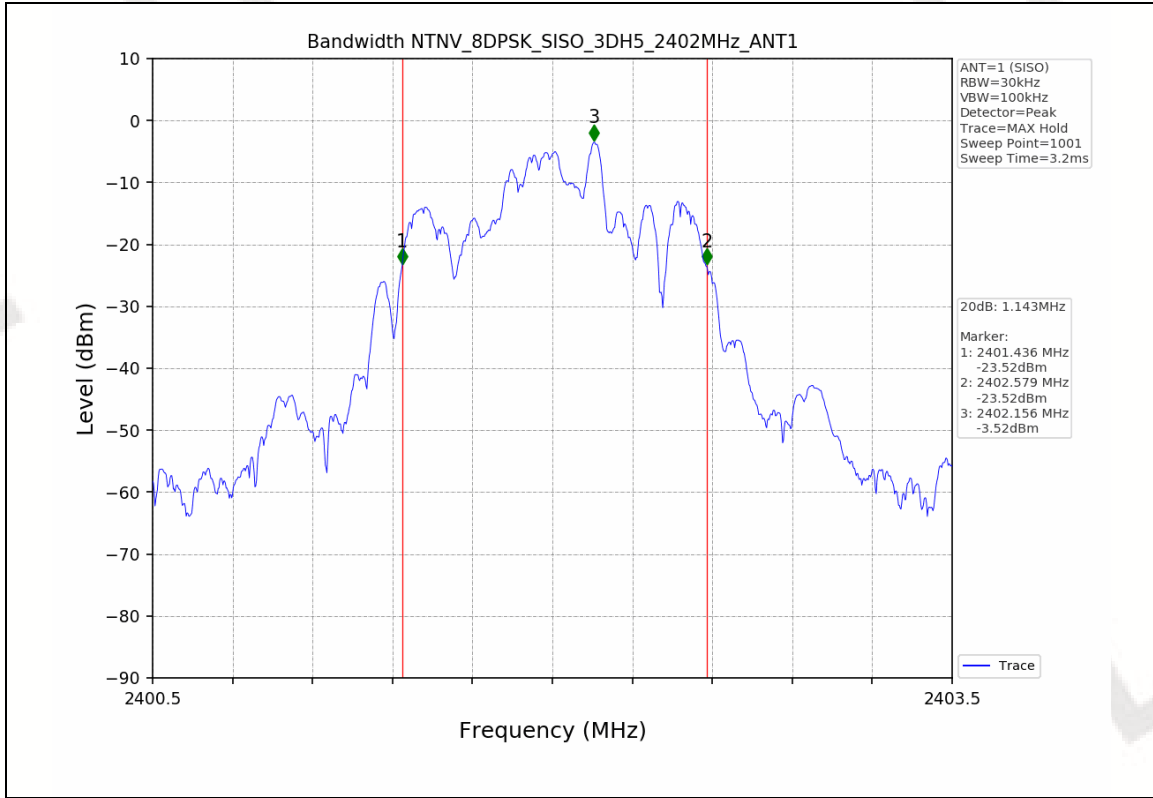
Test Mode	Frequency (MHz)	TX Type	ANT No.	99% Occupied Bandwidth	Verdict
				Test Result (MHz)	
GFSK	2402	SISO	1	0.906	Only for Report Use
	2441	SISO	1	0.909	Only for Report Use
	2480	SISO	1	0.908	Only for Report Use
Pi/4DQPSK	2402	SISO	1	1.099	Only for Report Use
	2441	SISO	1	1.098	Only for Report Use
	2480	SISO	1	1.098	Only for Report Use
8DPSK	2402	SISO	1	1.088	Only for Report Use
	2441	SISO	1	1.086	Only for Report Use
	2480	SISO	1	1.085	Only for Report Use

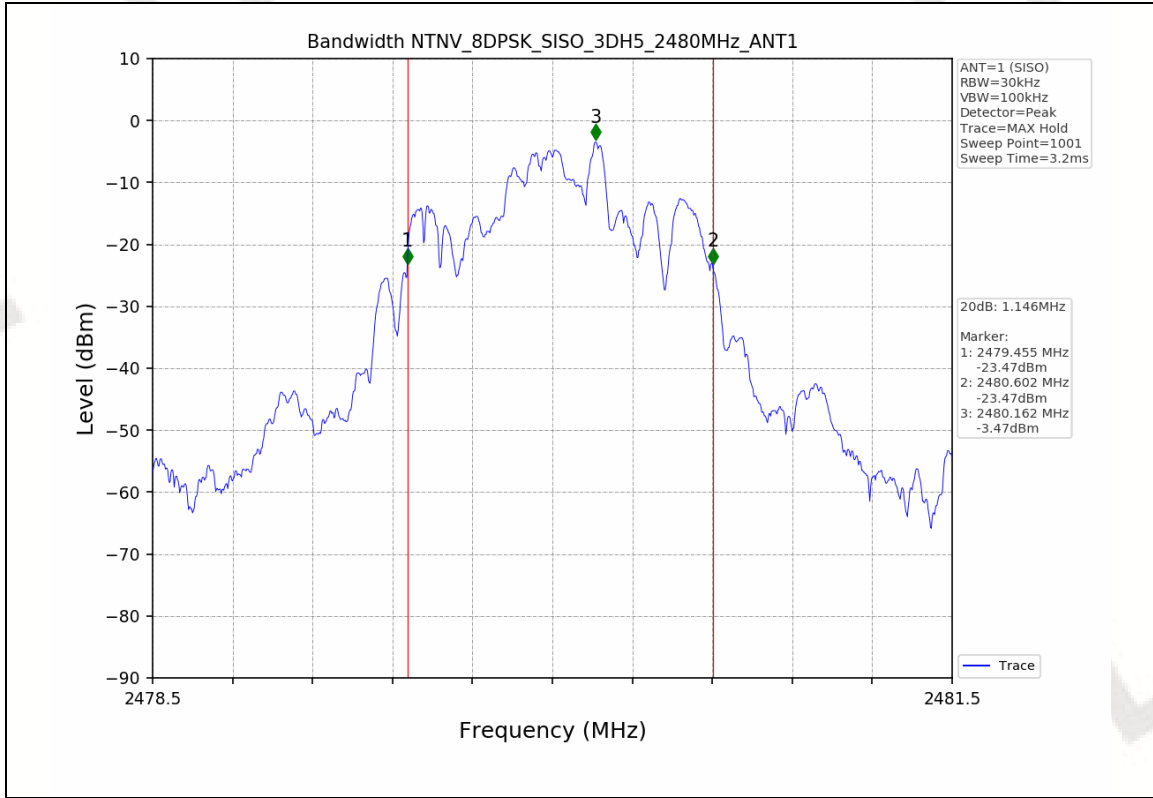
#### 1.2 Test Graph - 20dB Bandwidth



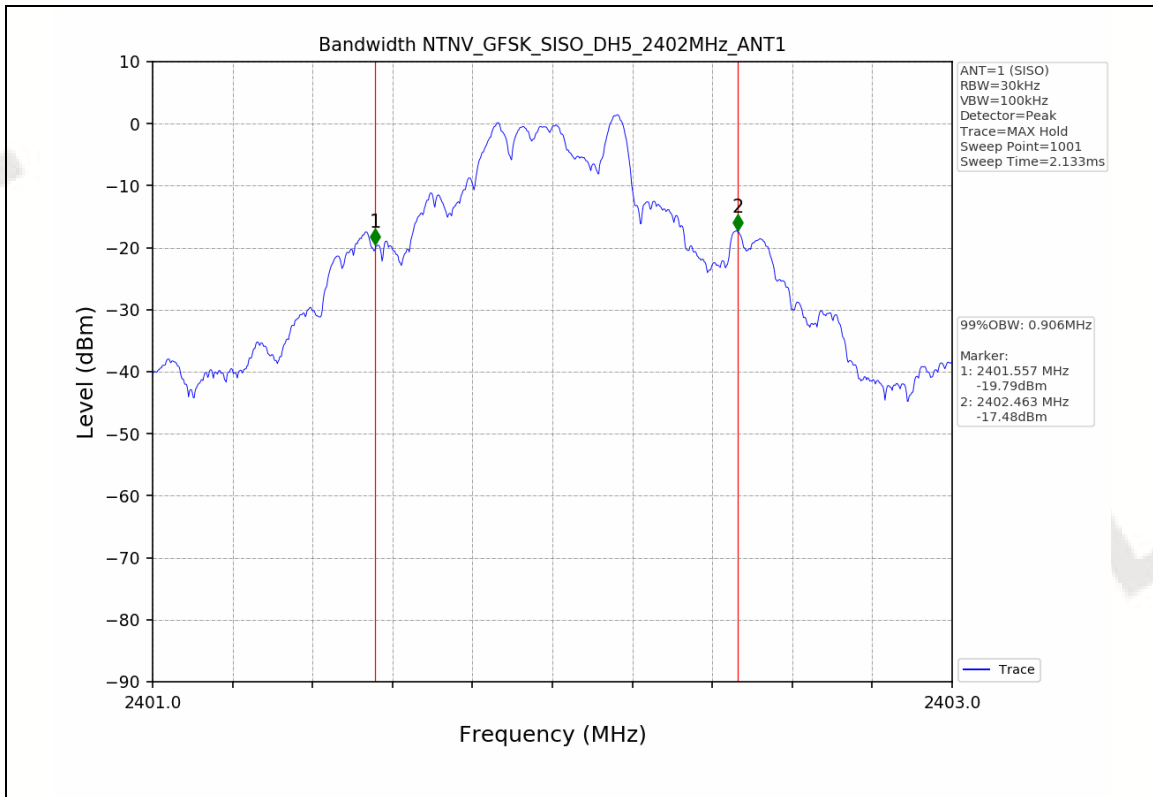


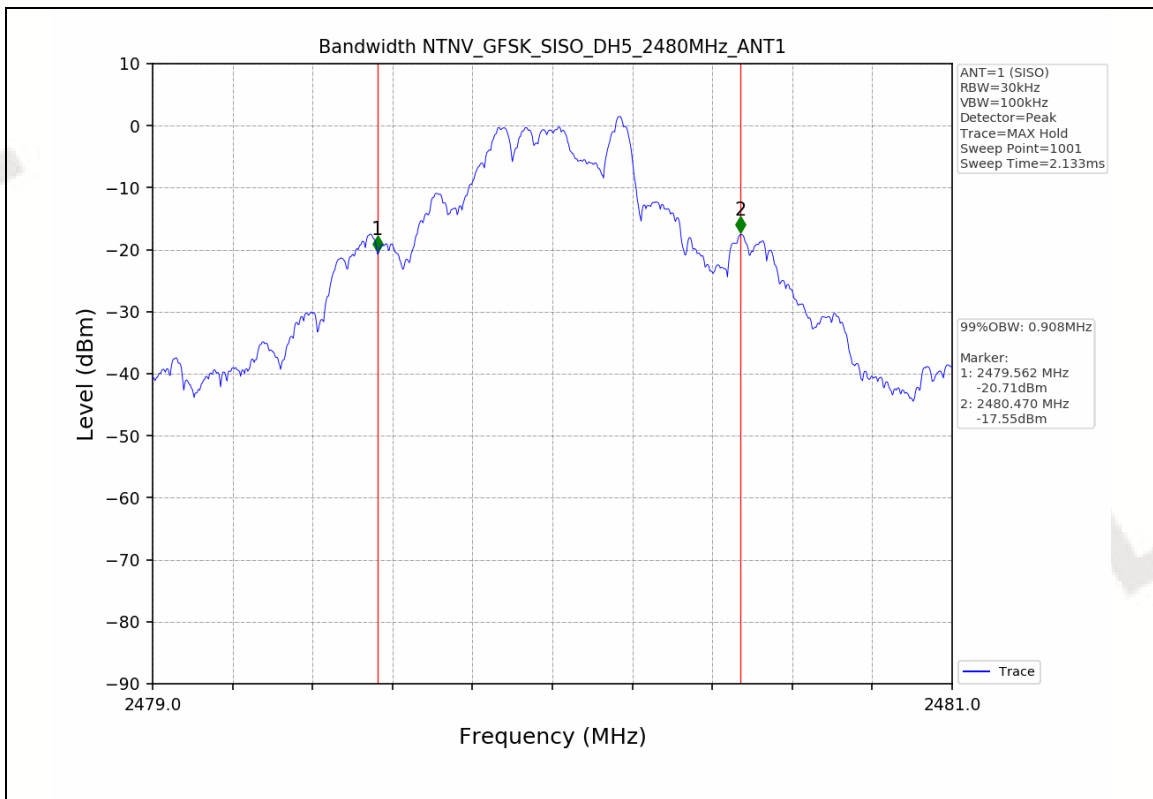
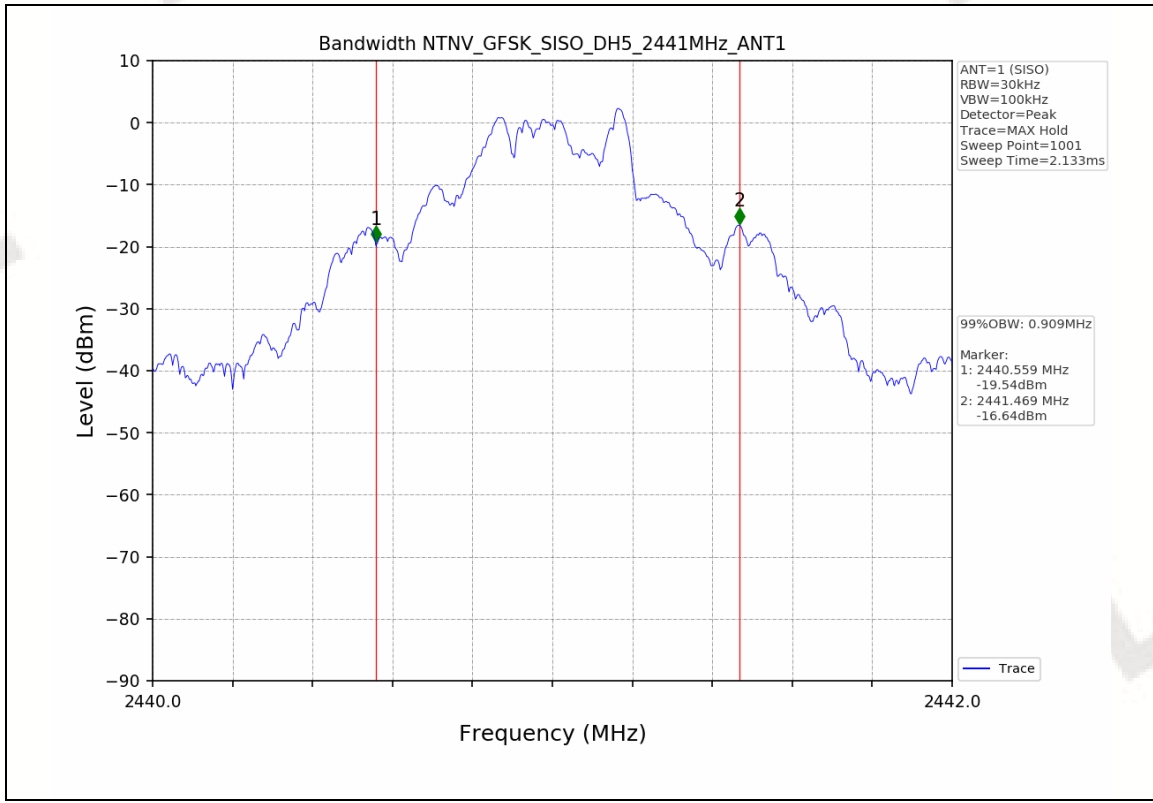


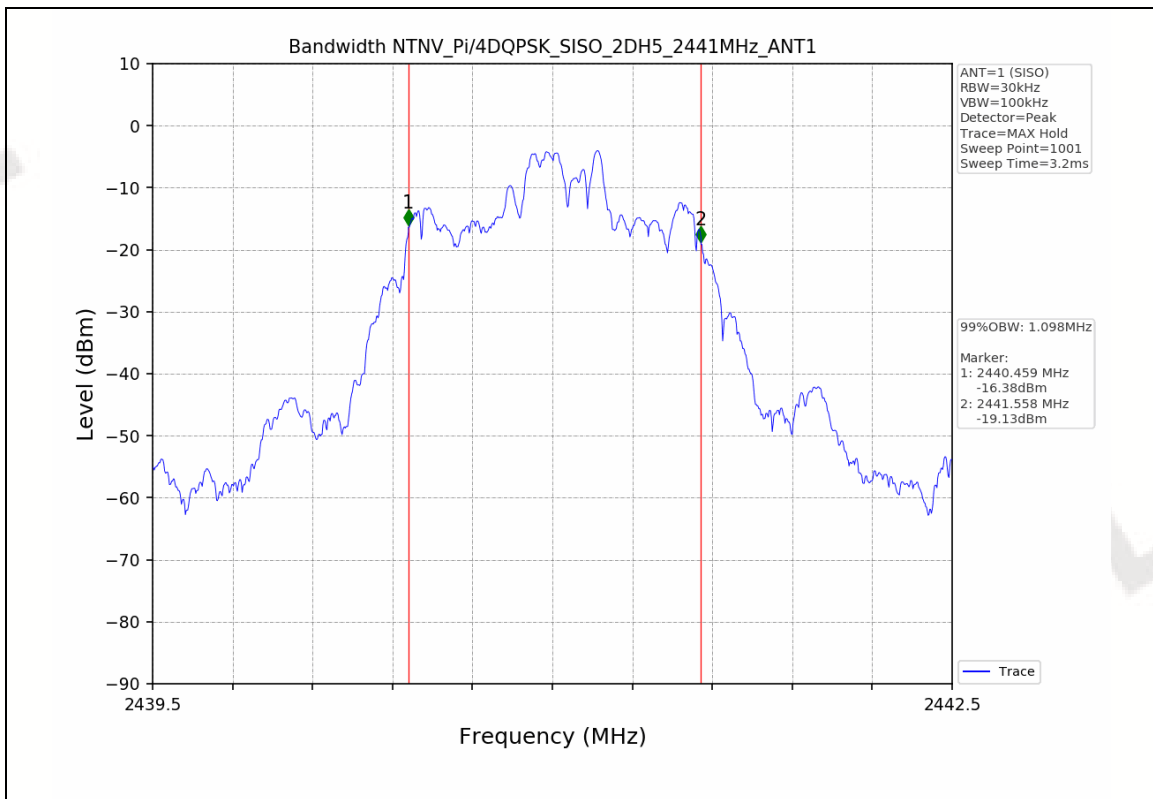
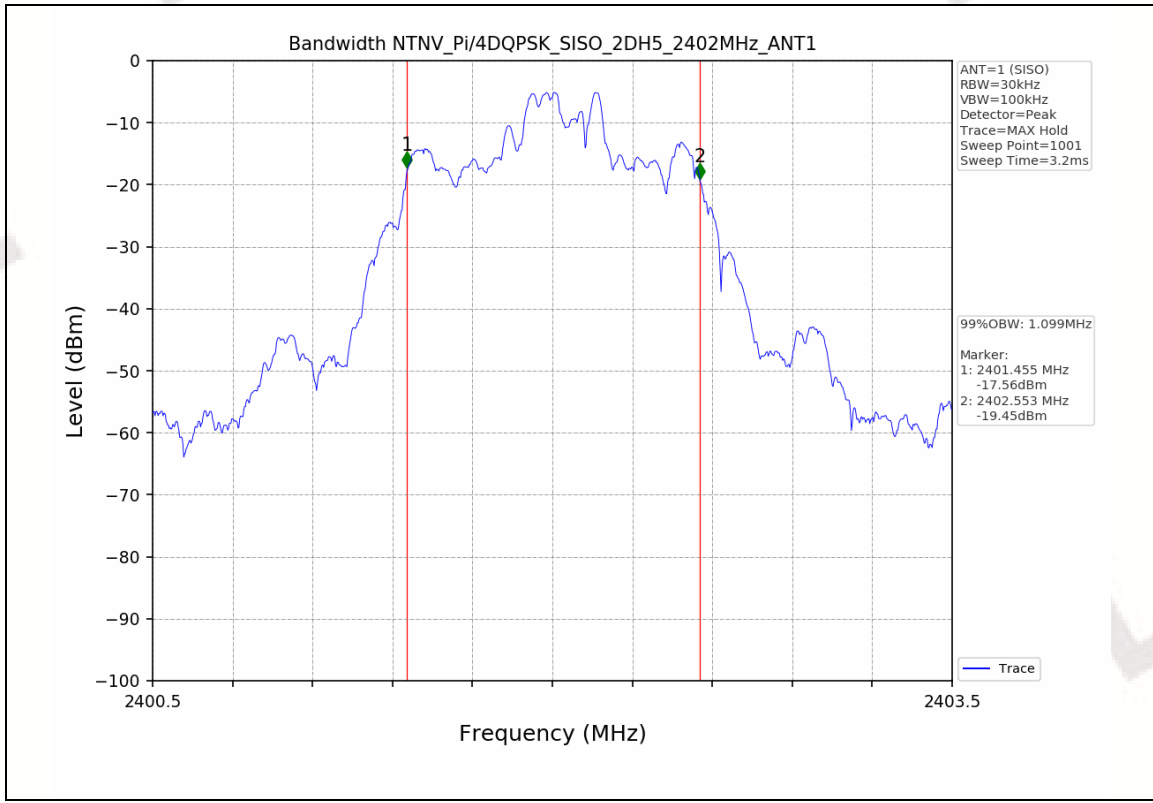




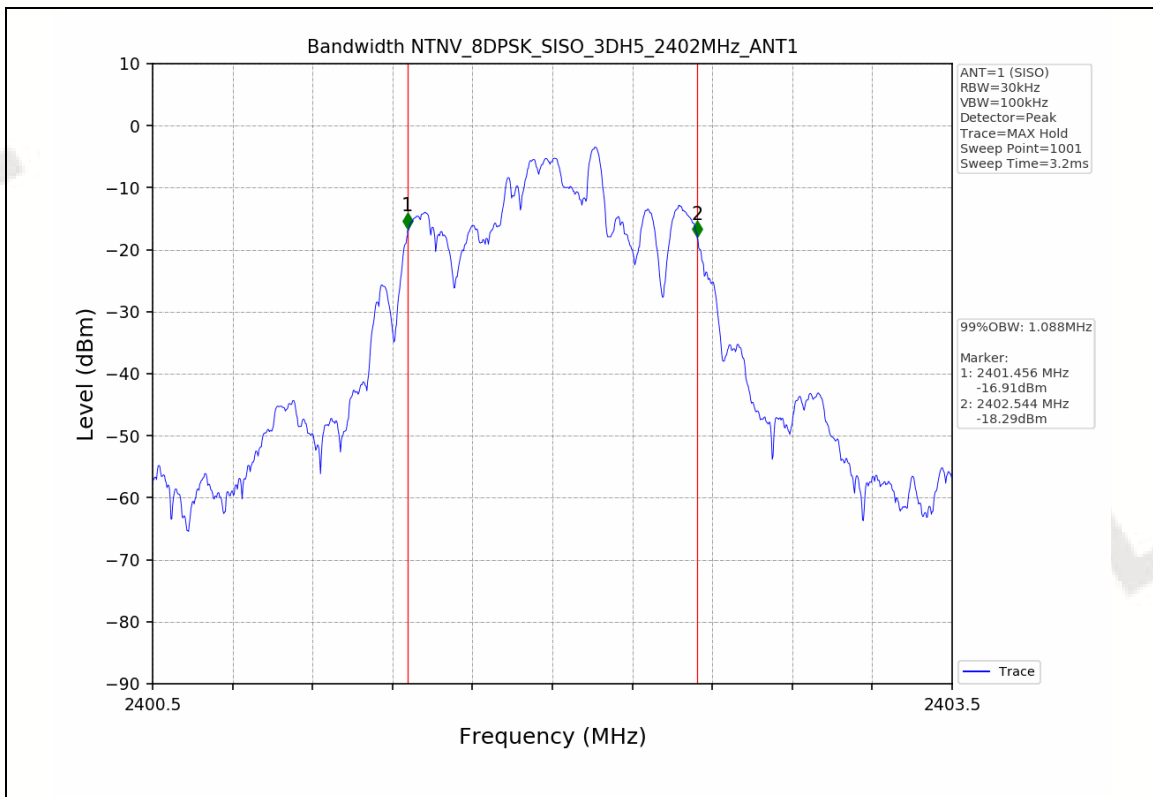
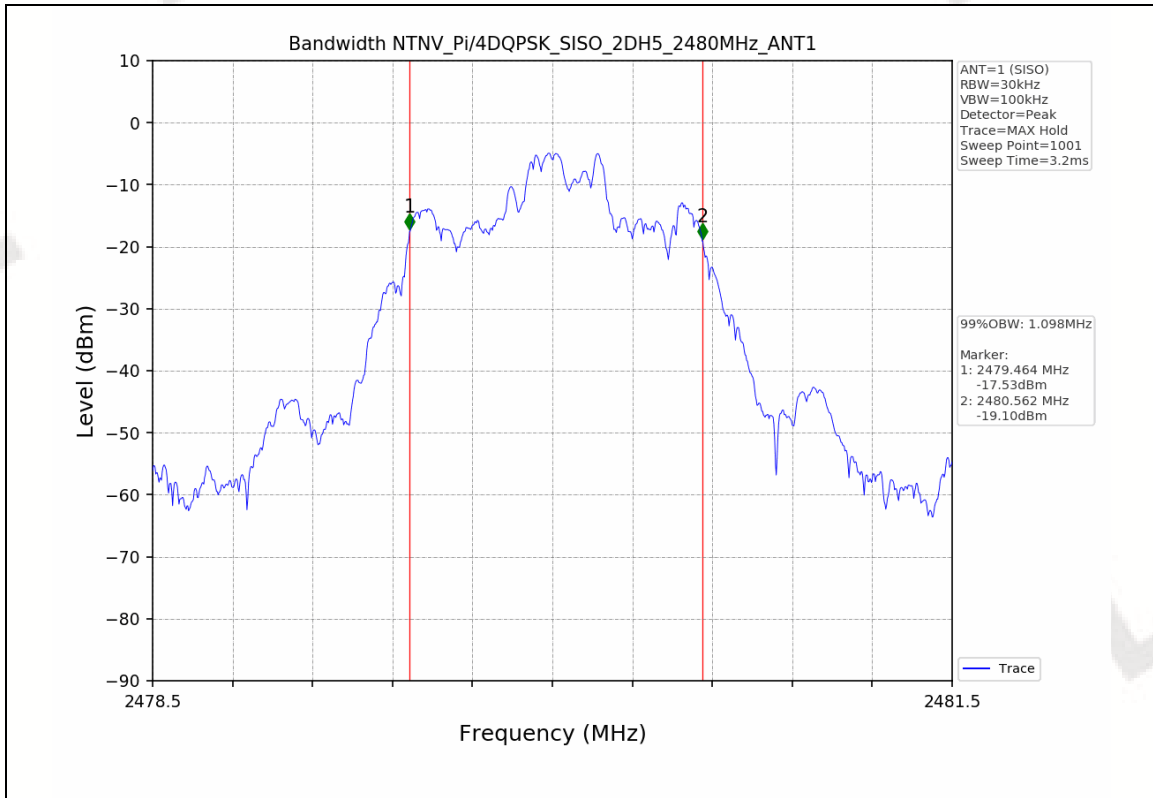
### 1.3 Test Graph - 99% Occupied Bandwidth

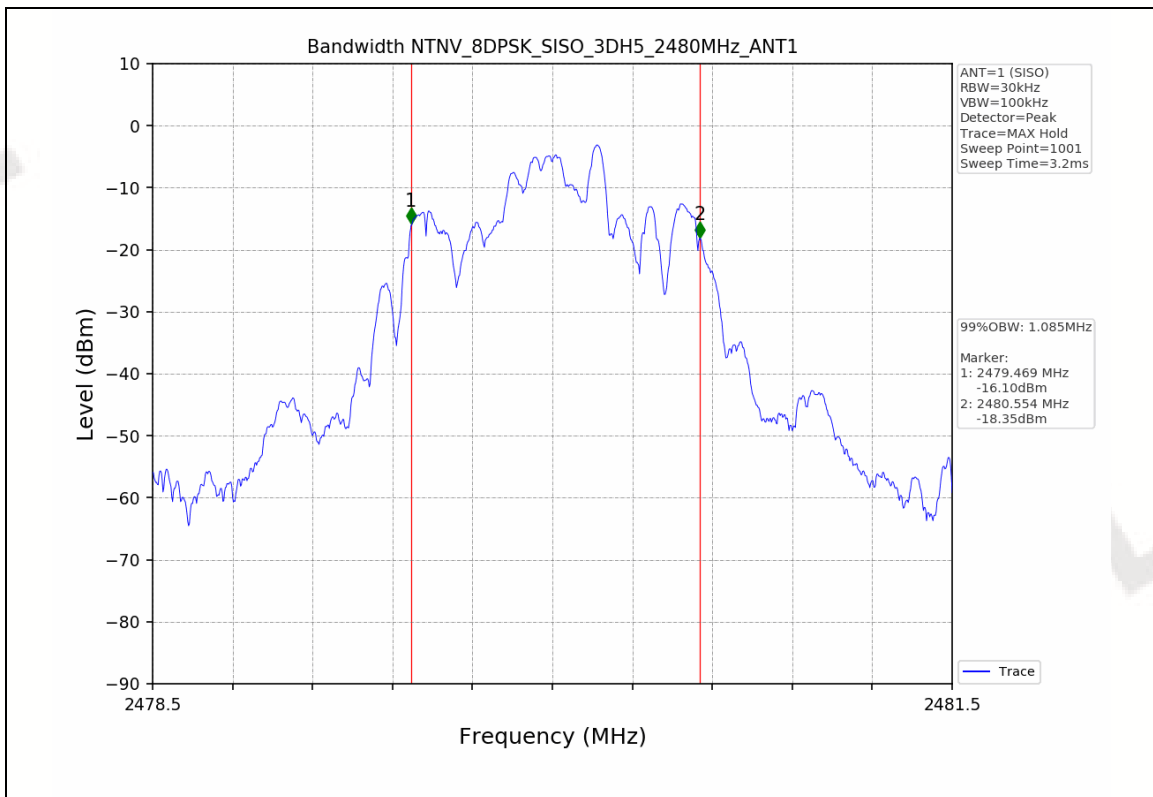
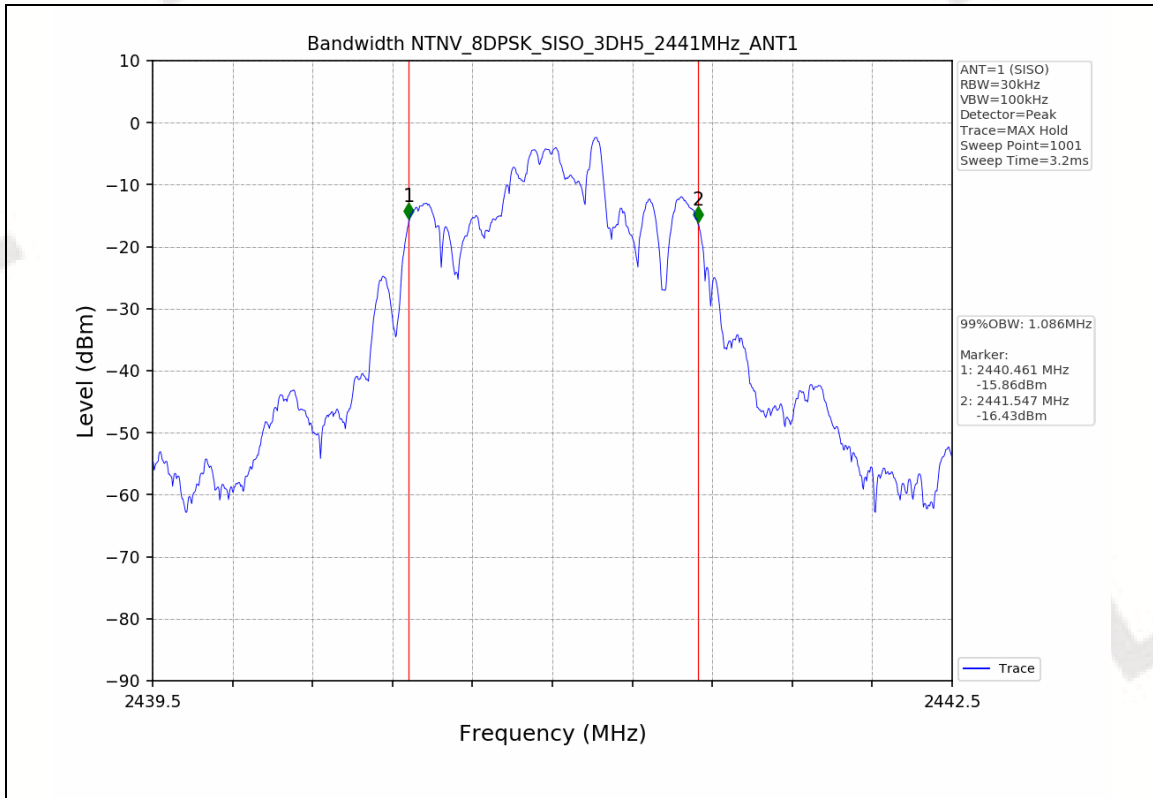










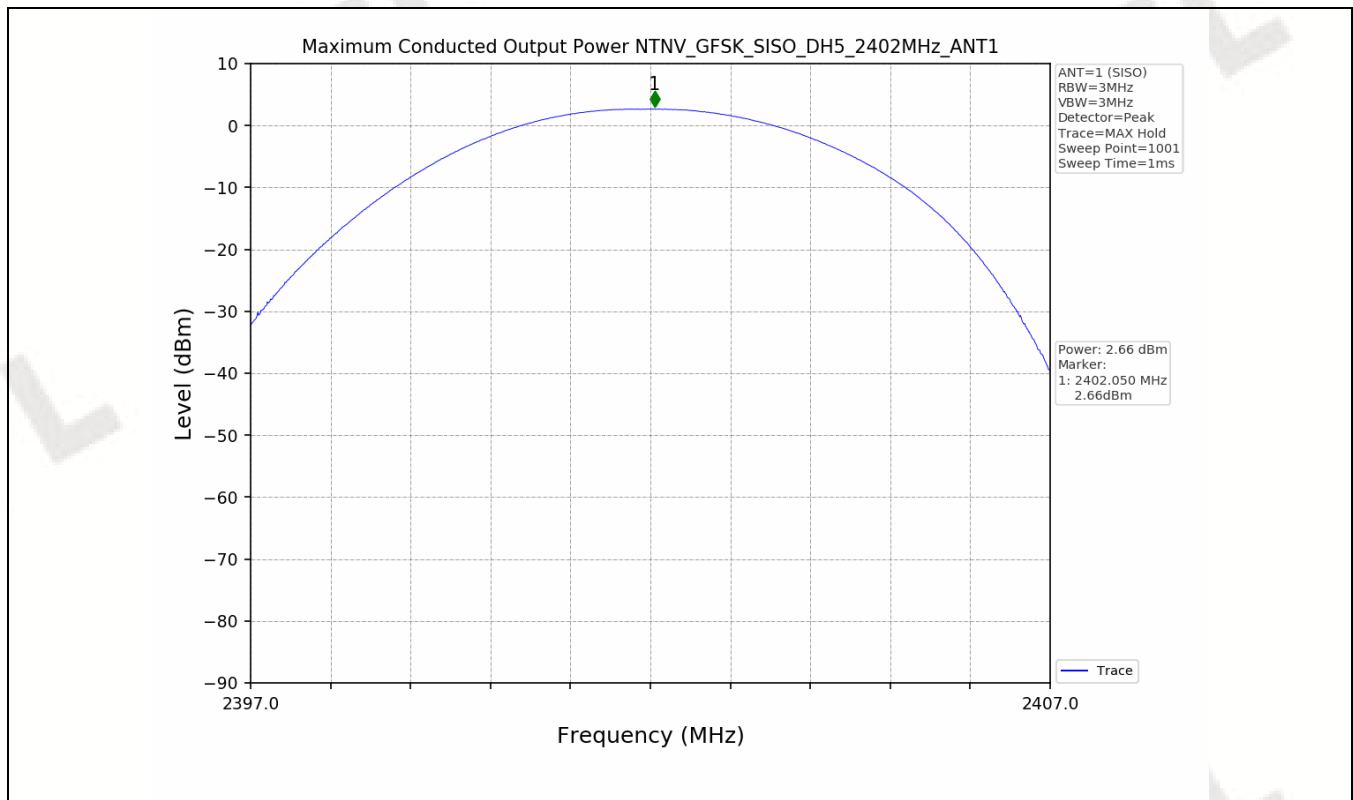


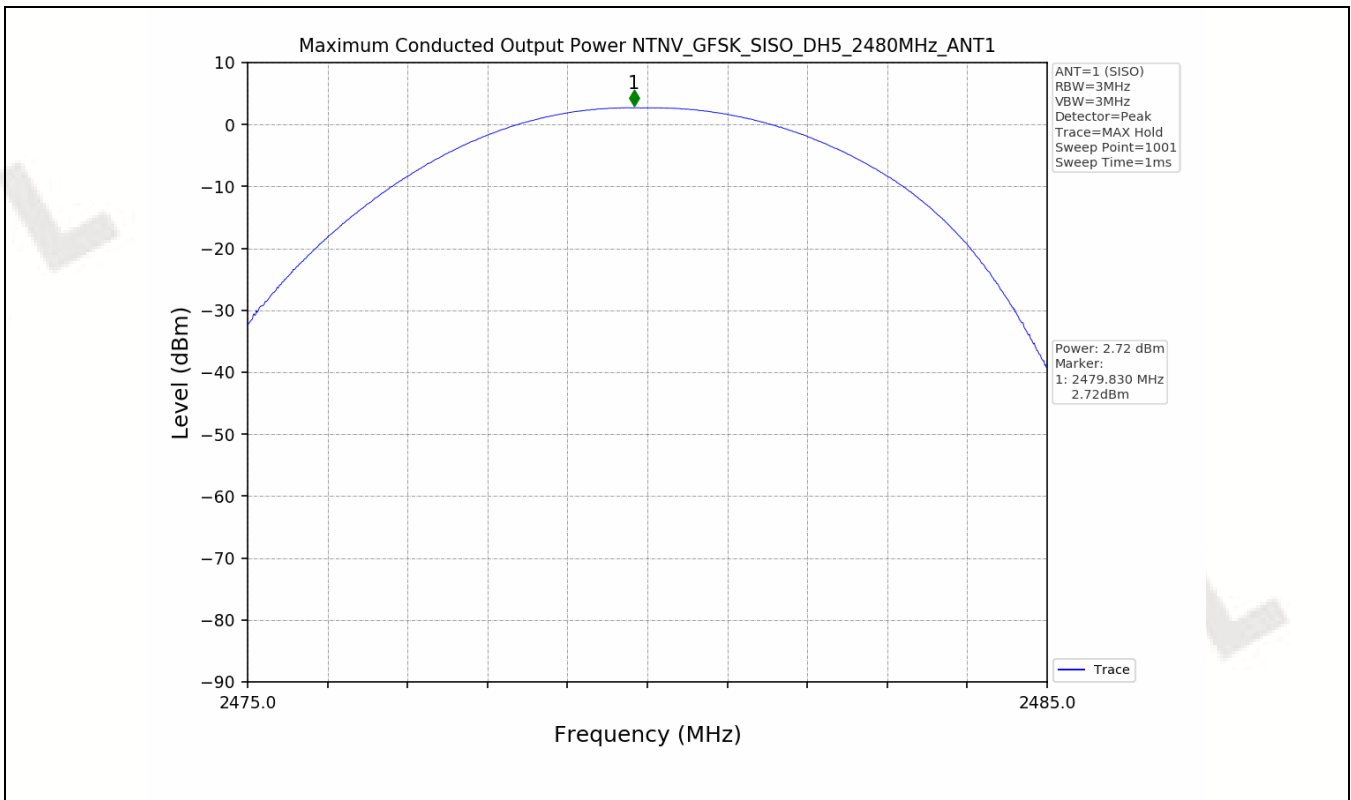
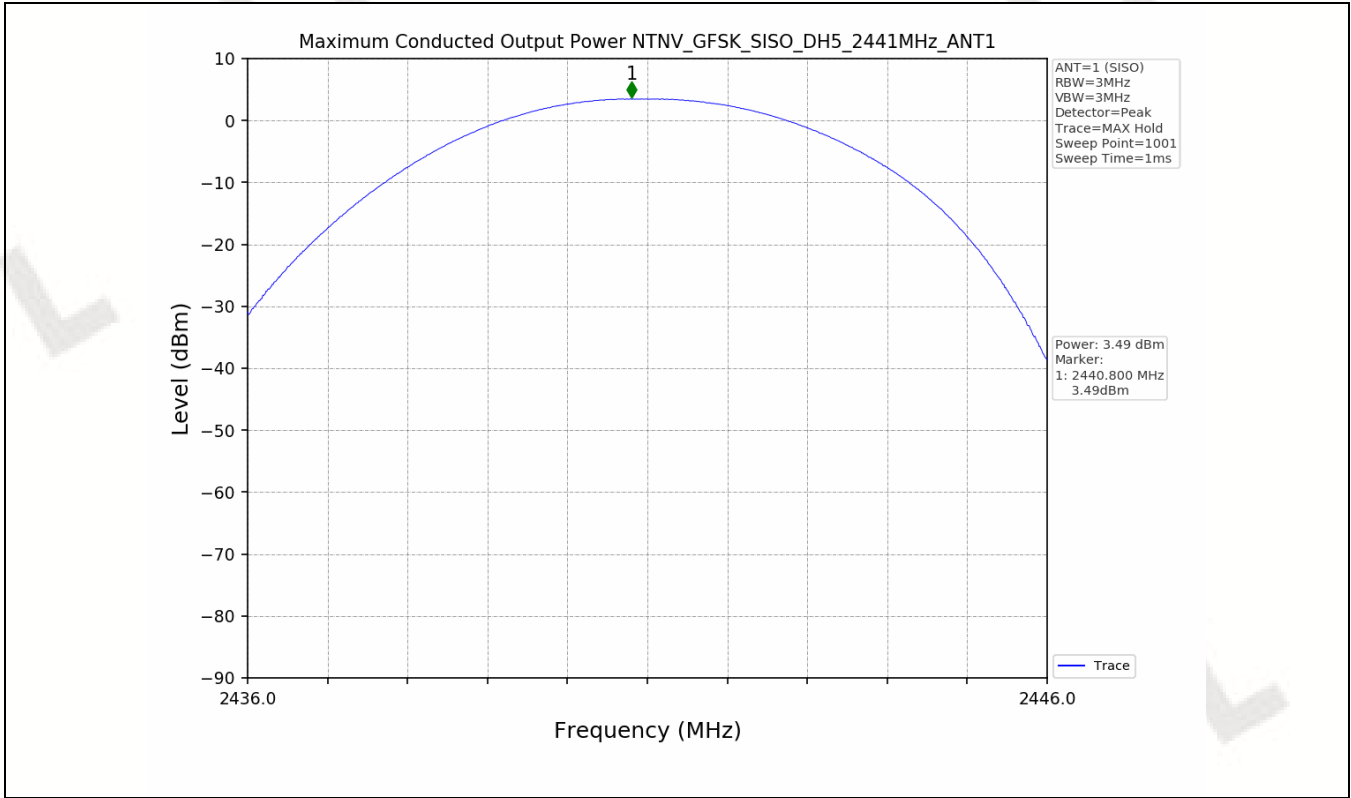
## 2. Maximum Conducted Output Power

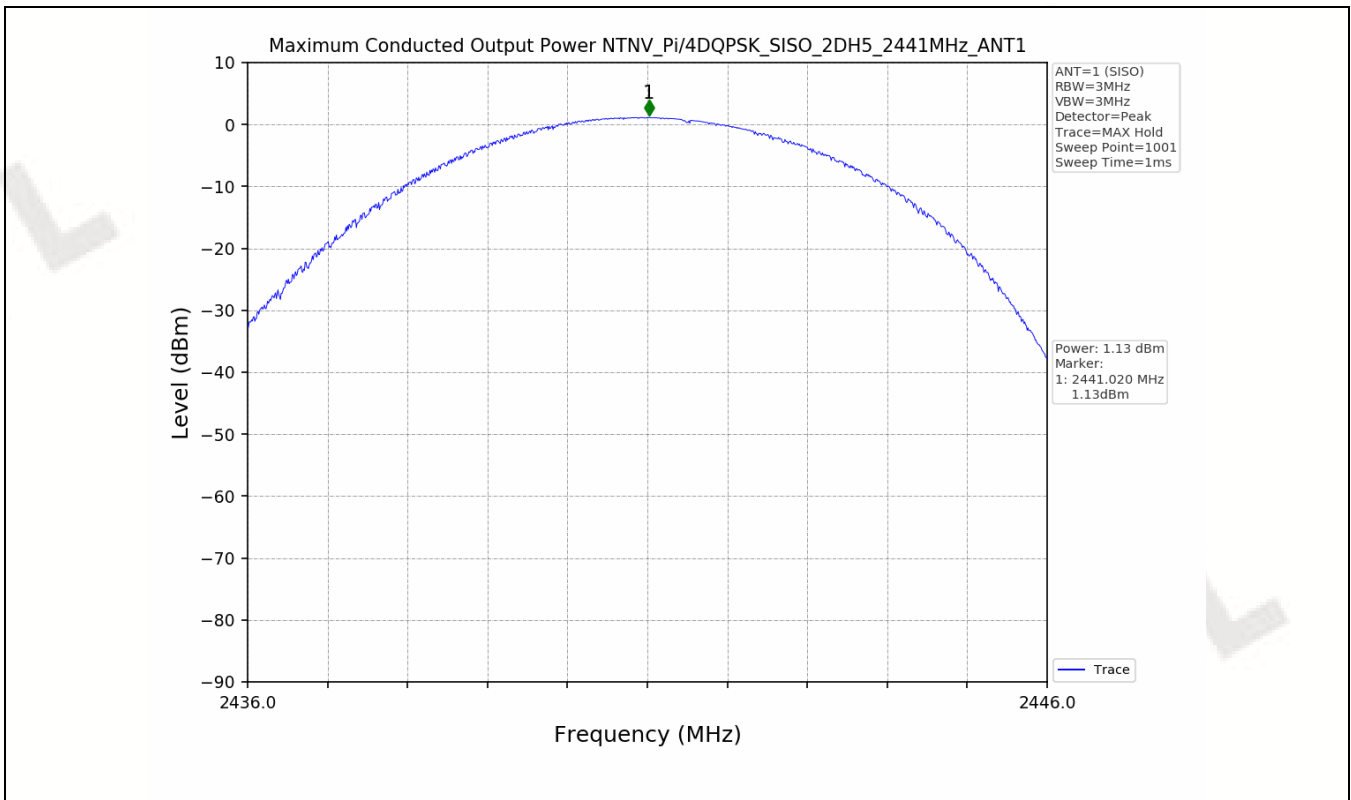
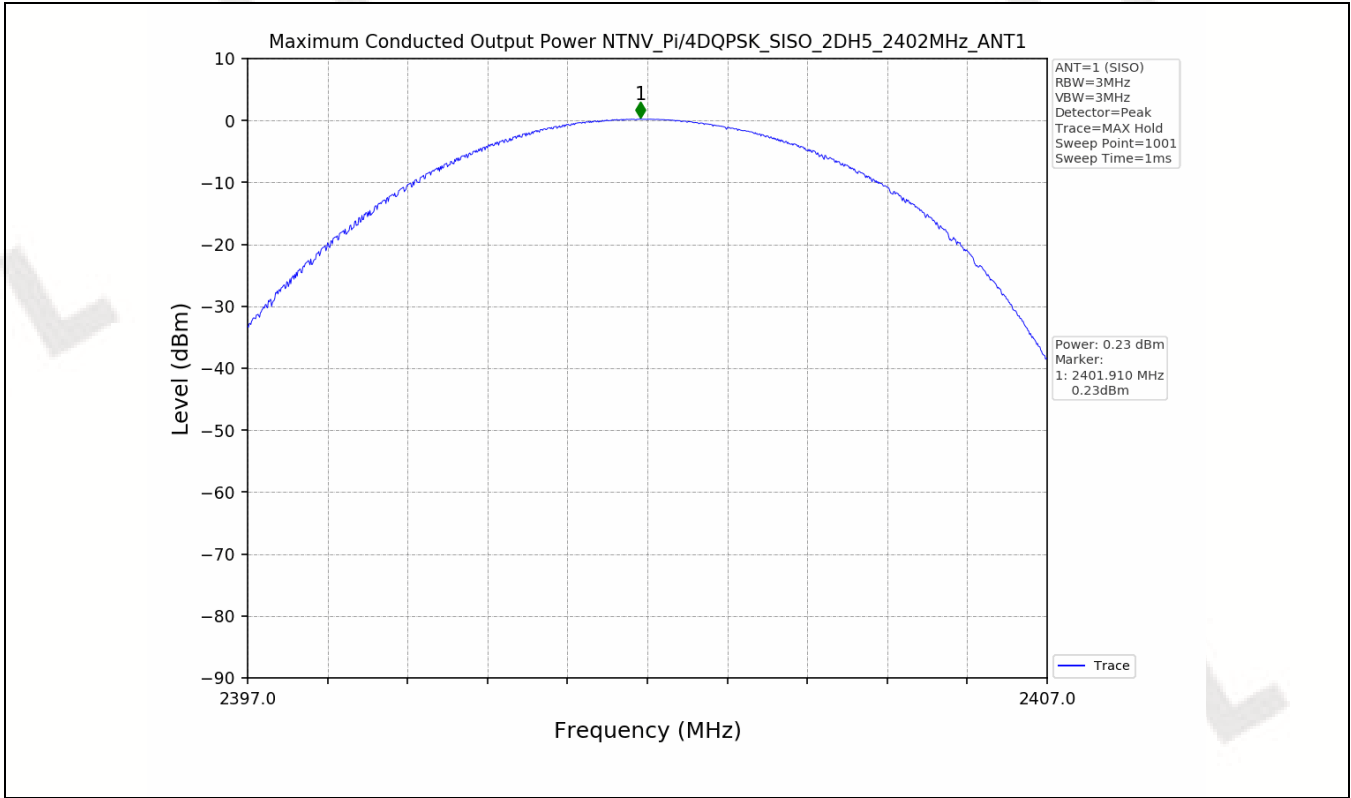
### 2.1 Test Result

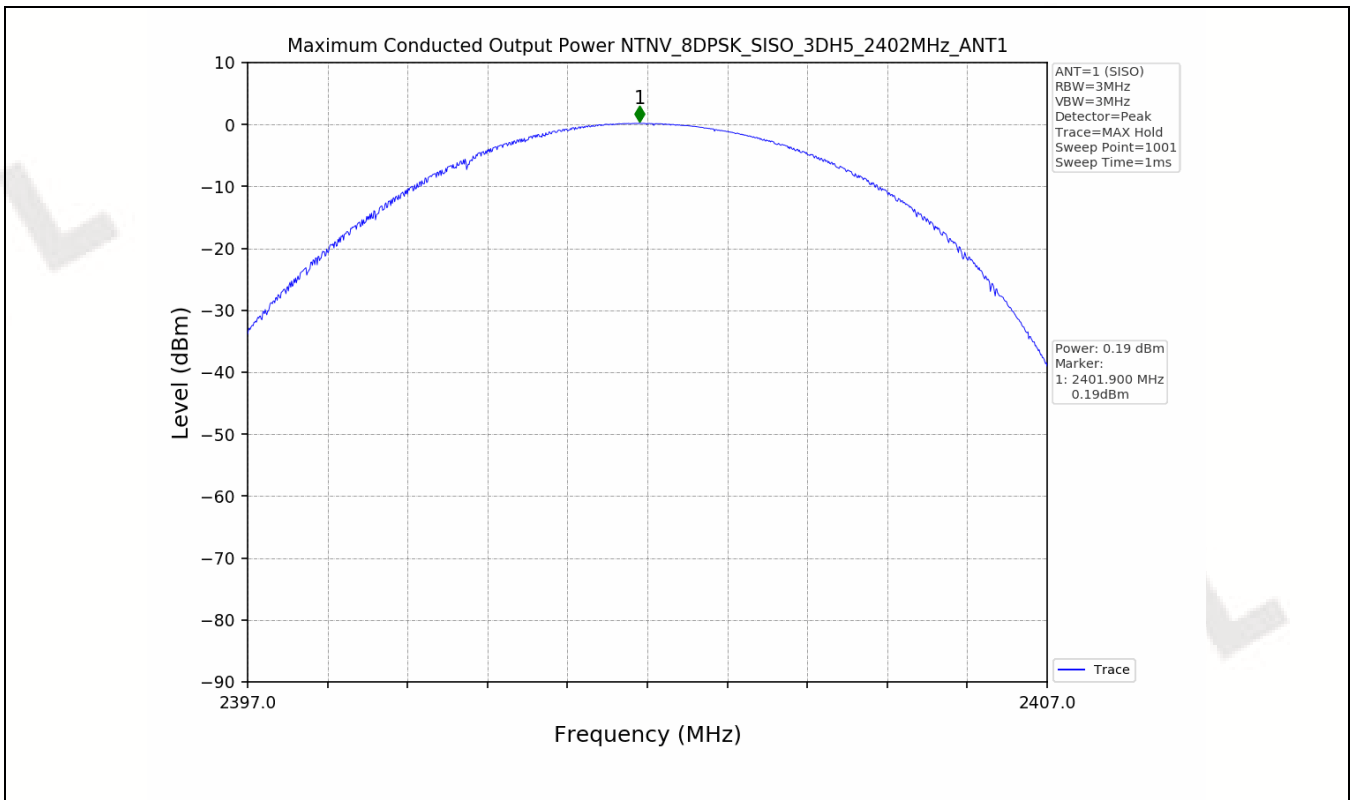
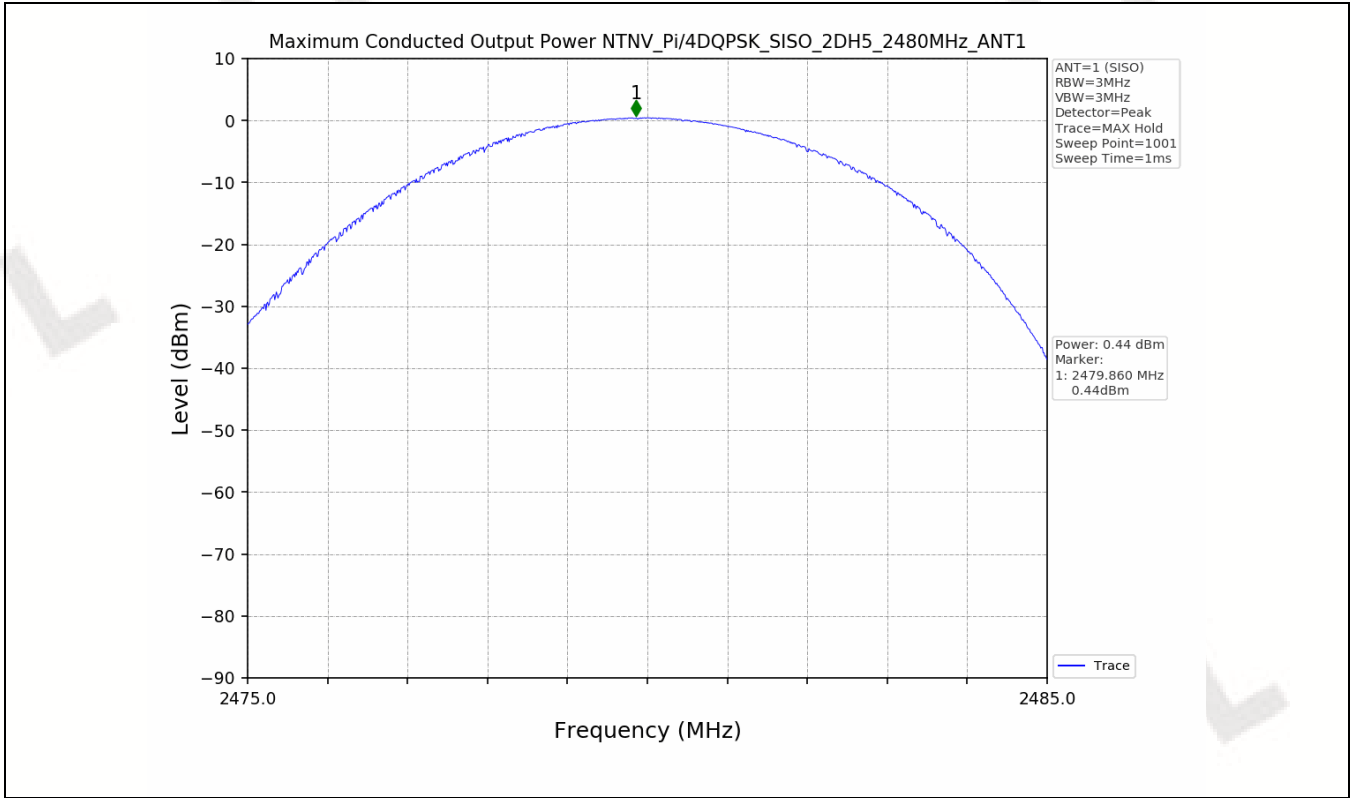
Test Mode	Frequency (MHz)	Tx Type	Measured Peak Output Power (dBm)	Limits (dBm)	Verdict
			Ant 1		
GFSK	2402	SISO	2.66	30	PASS
	2441	SISO	3.49	30	PASS
	2480	SISO	2.72	30	PASS
Pi/4DQPSK	2402	SISO	0.23	20.97	PASS
	2441	SISO	1.13	20.97	PASS
	2480	SISO	0.44	20.97	PASS
8DPSK	2402	SISO	0.19	20.97	PASS
	2441	SISO	1.22	20.97	PASS
	2480	SISO	-0.31	20.97	PASS

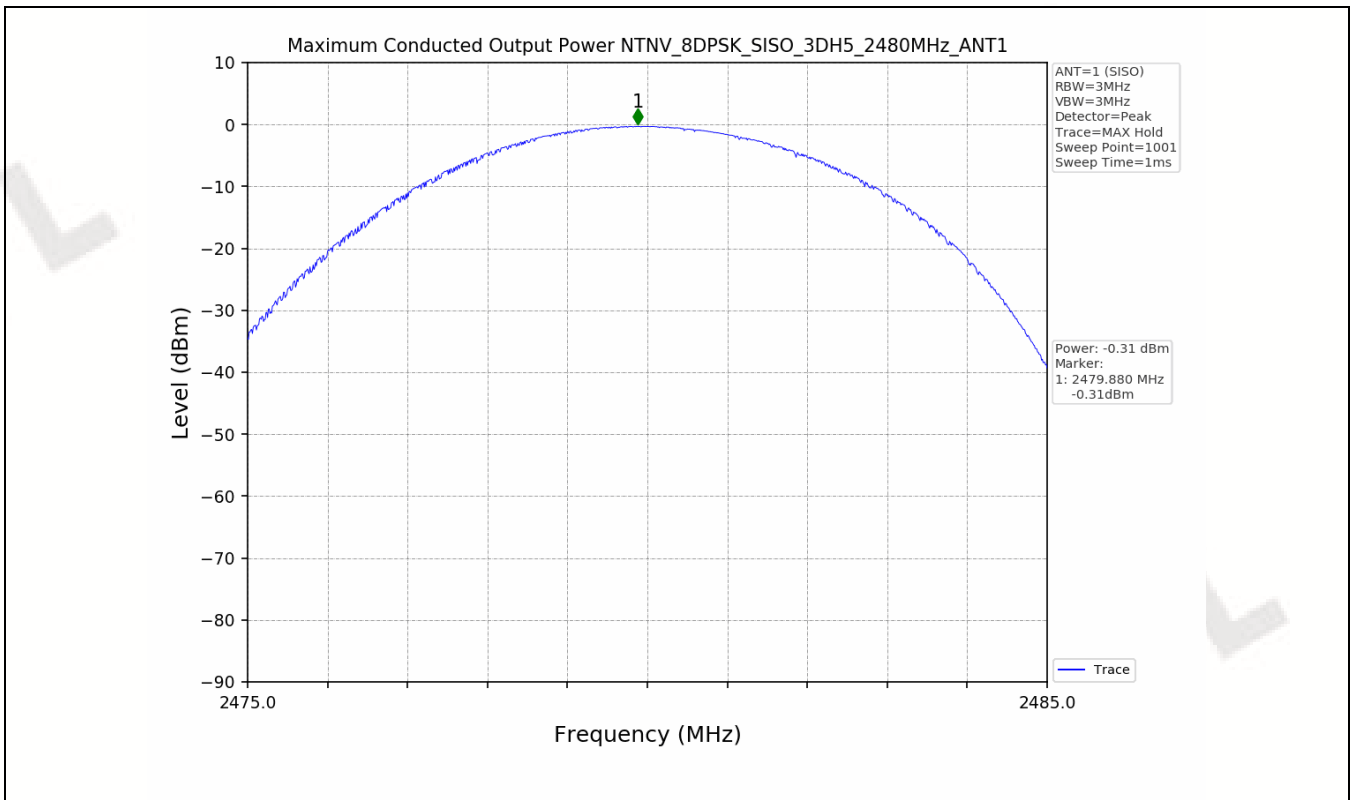
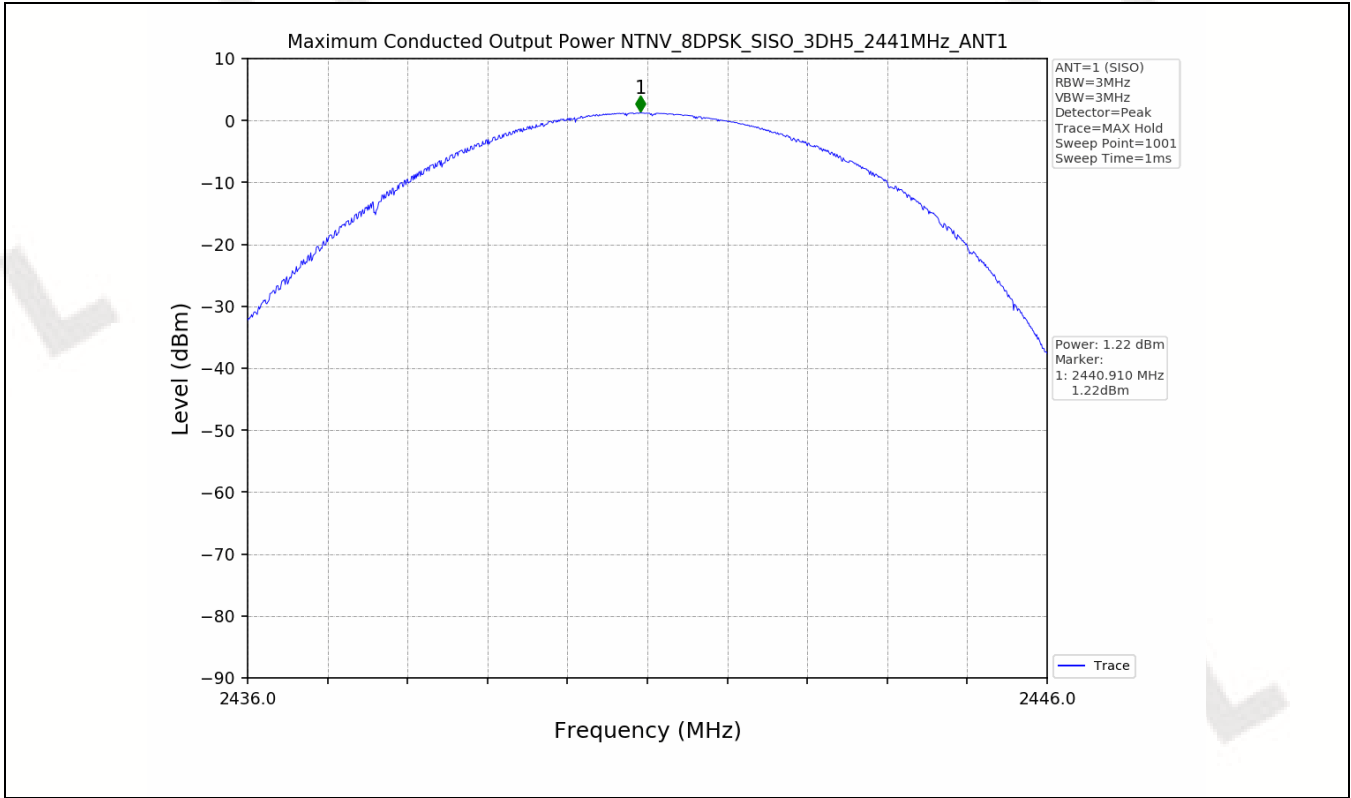
### 2.2 Test Graph









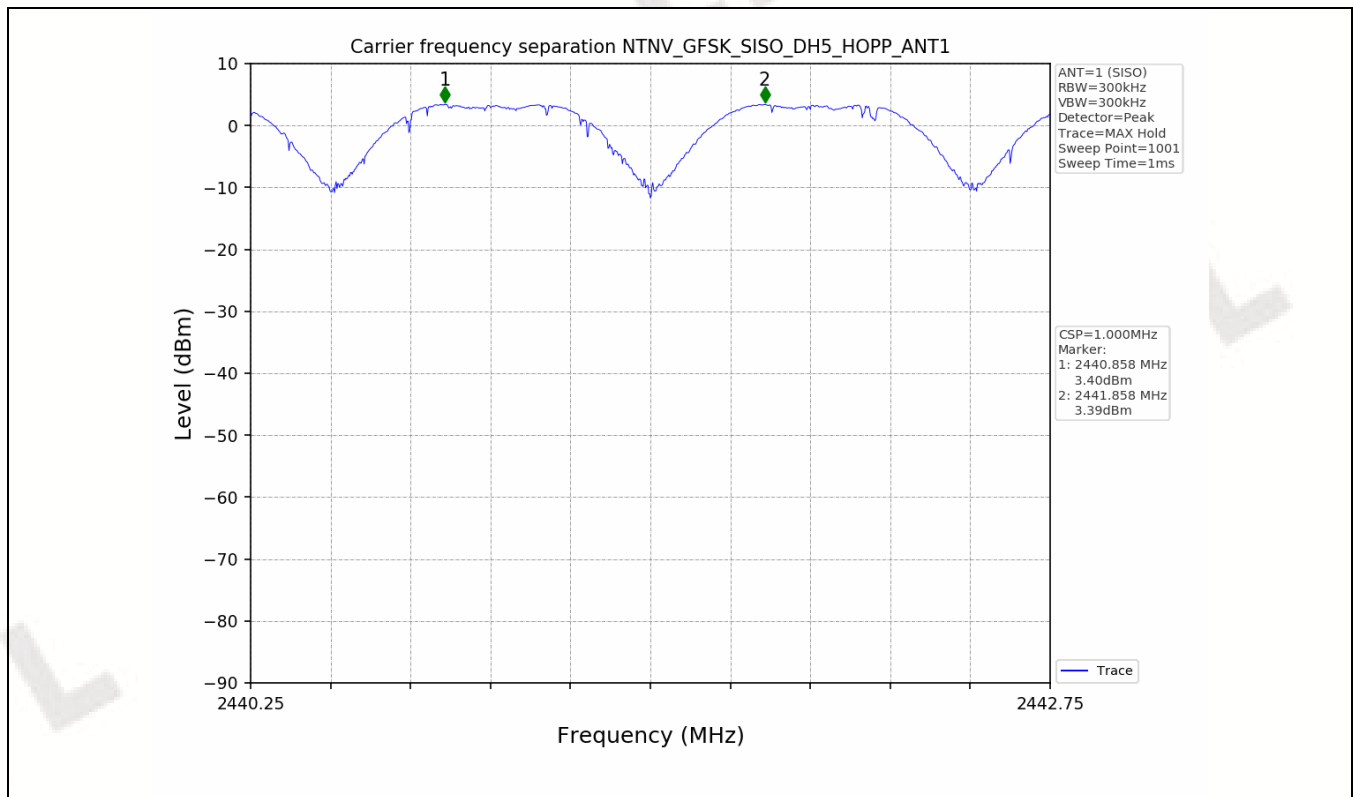


### 3. Carrier frequency separation

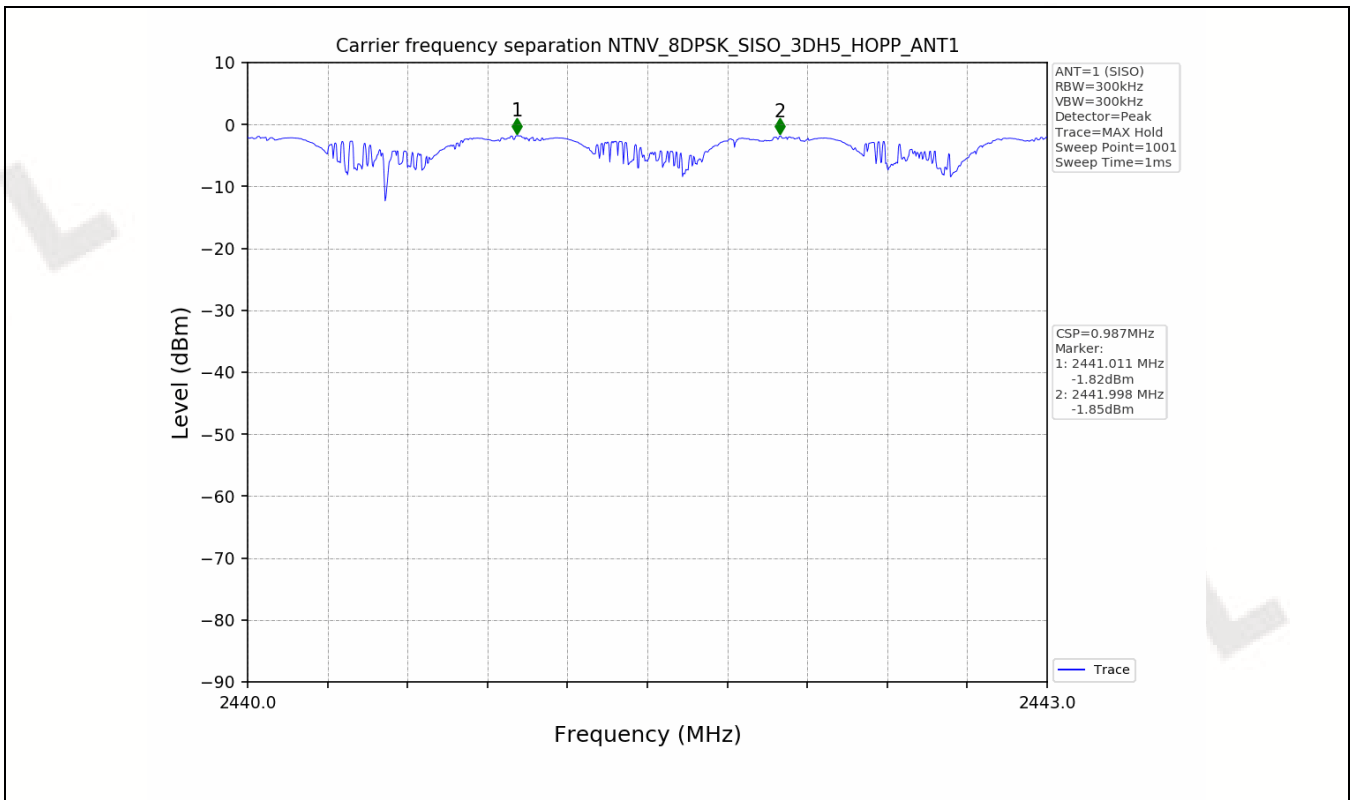
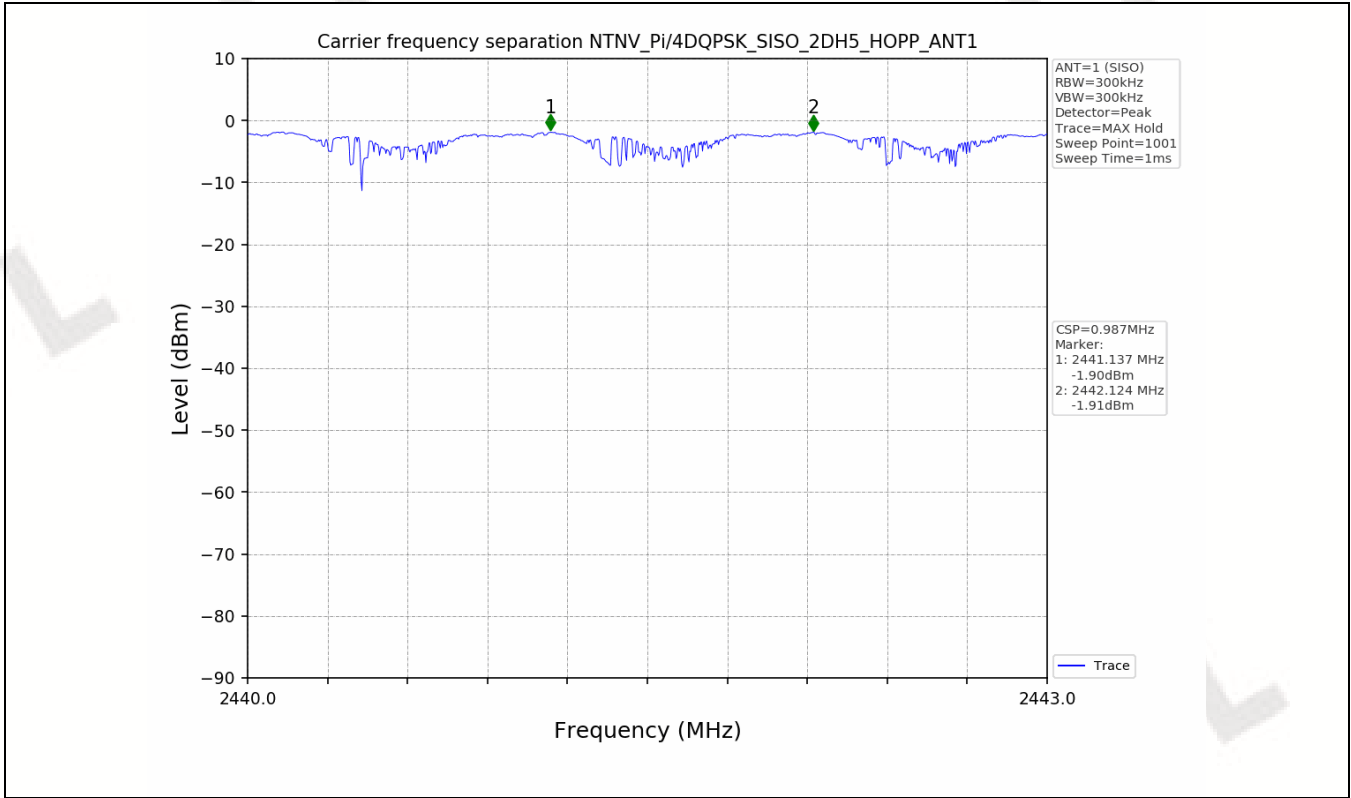
#### 3.1 Test Result

Test Mode	TX Type	ANT No.	Channel Separation (MHz)	20dB Bandwidth (MHz)	Limits (MHz)	Verdict
GFSK	SISO	1	1.000	0.960	≥0.960	PASS
π/4DQPSK	SISO	1	0.987	1.175	≥0.783	PASS
8DPSK	SISO	1	0.987	1.146	≥0.764	PASS

#### 3.2 Test Graph





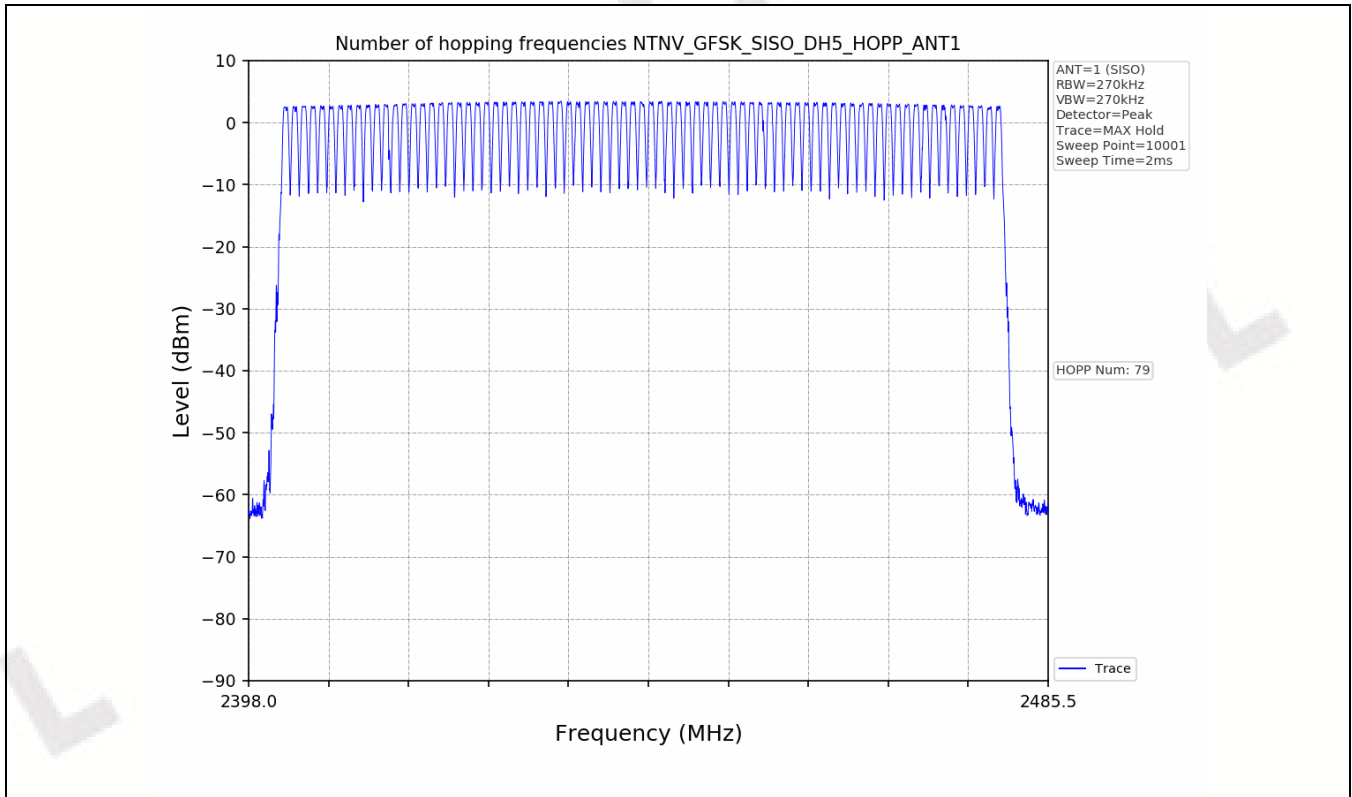


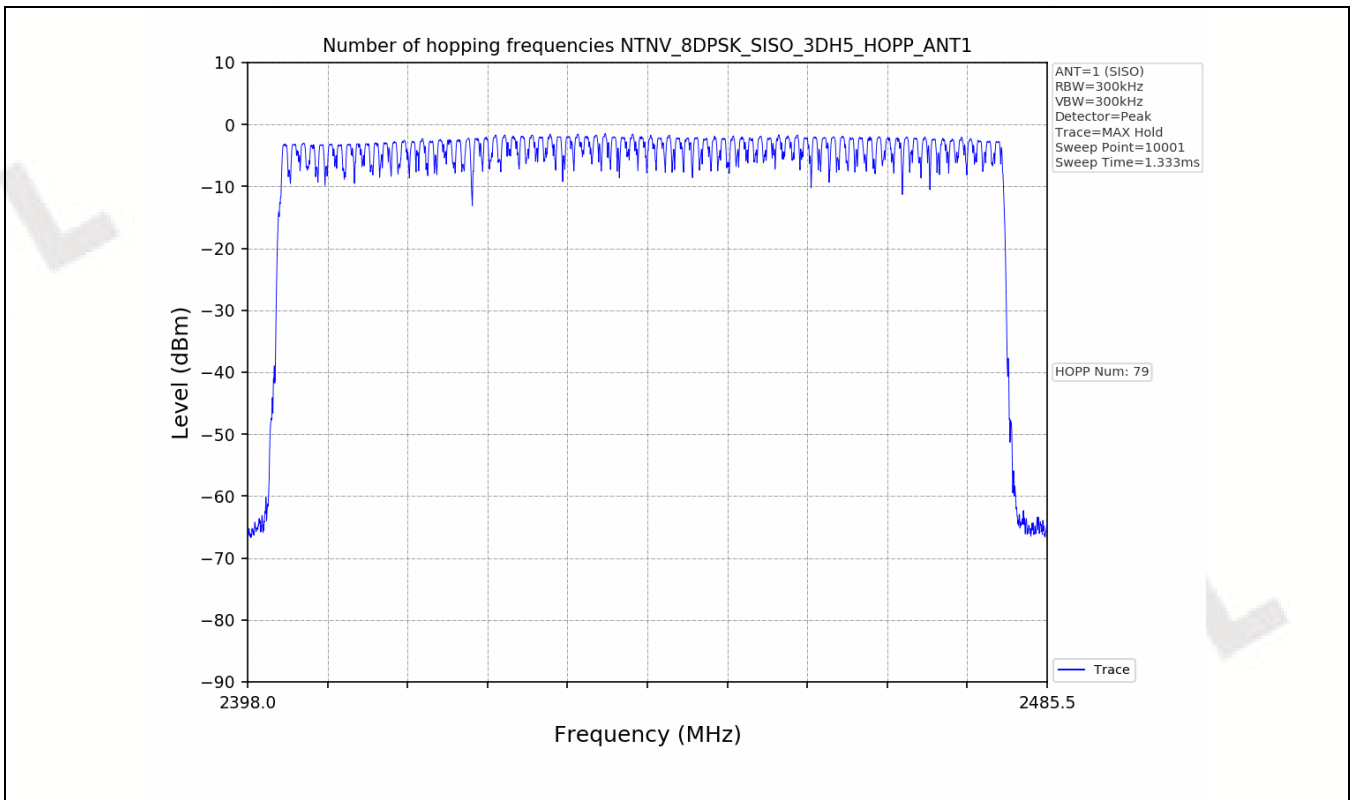
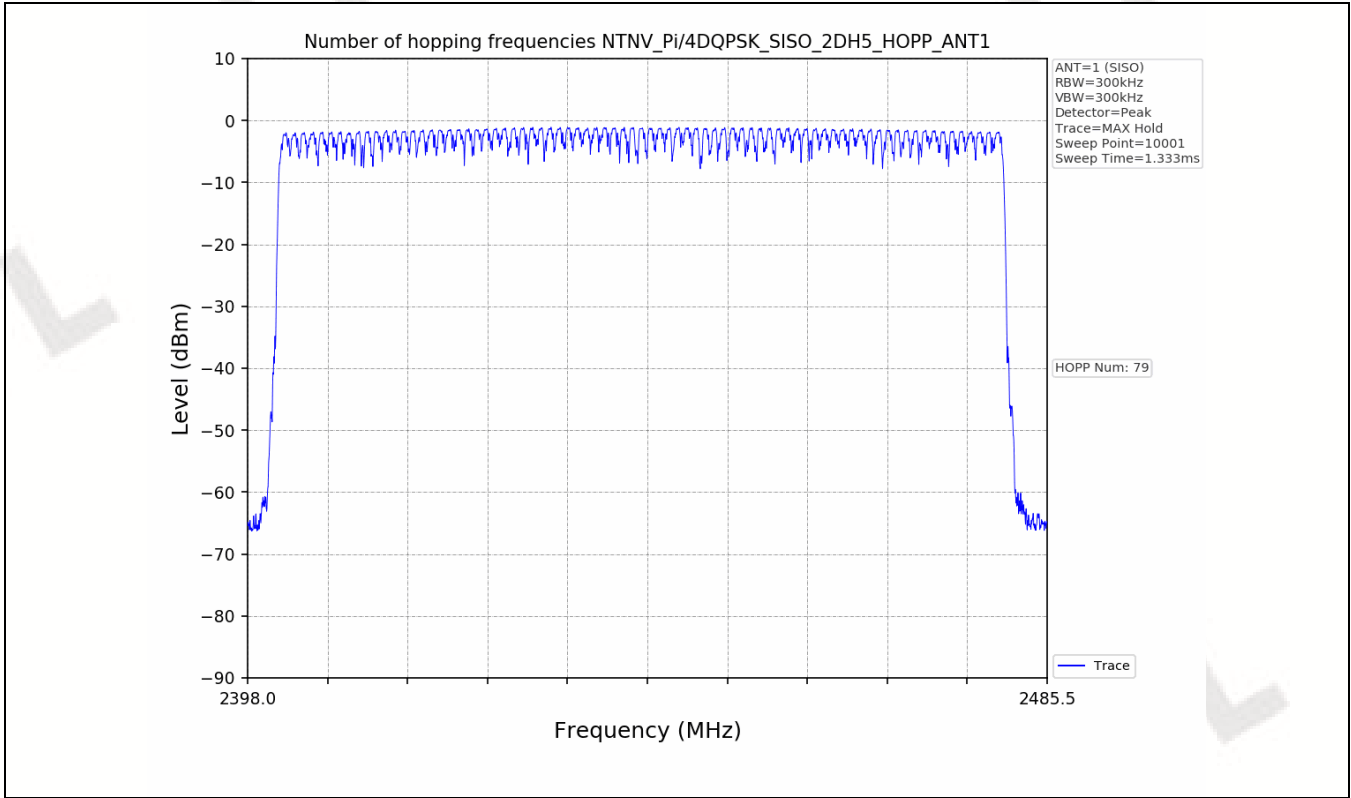
### 4. Number of hopping frequencies

#### 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



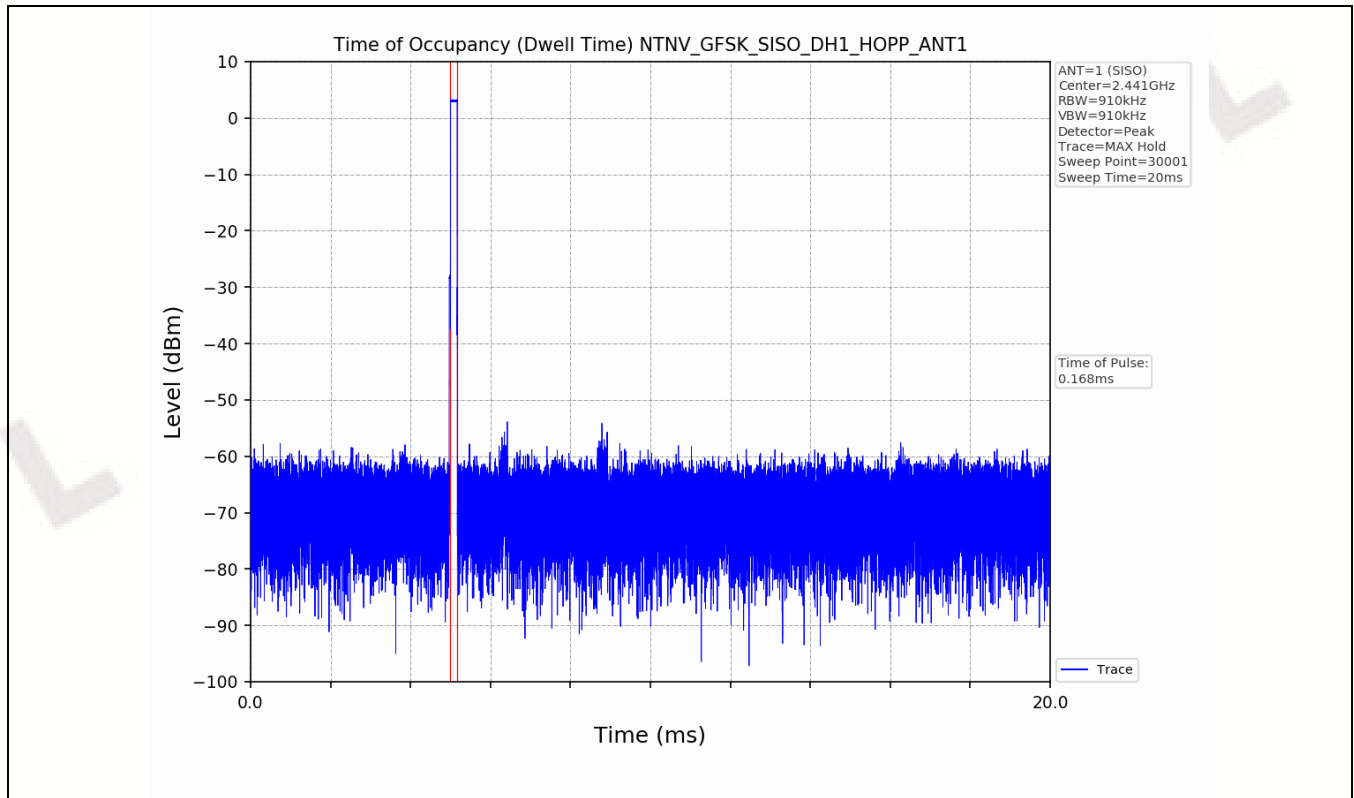


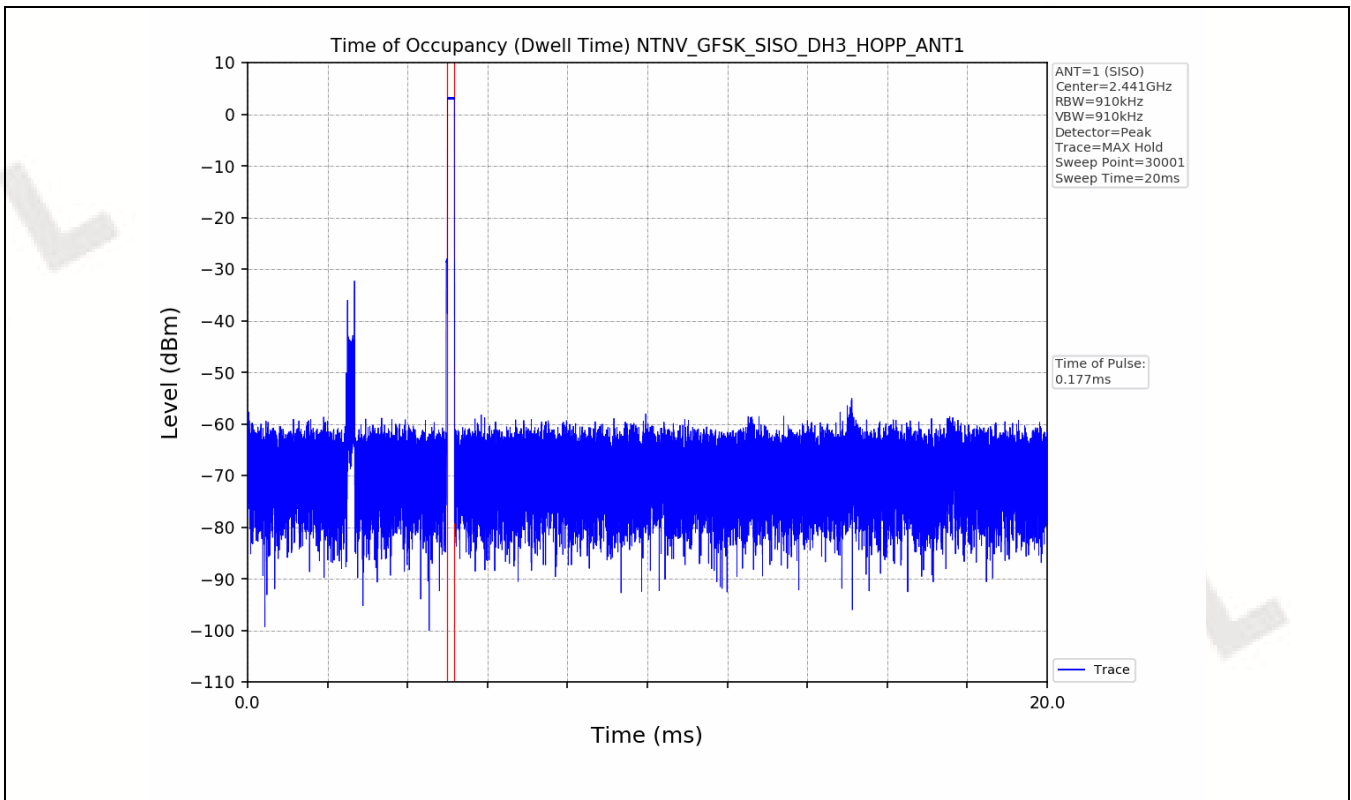
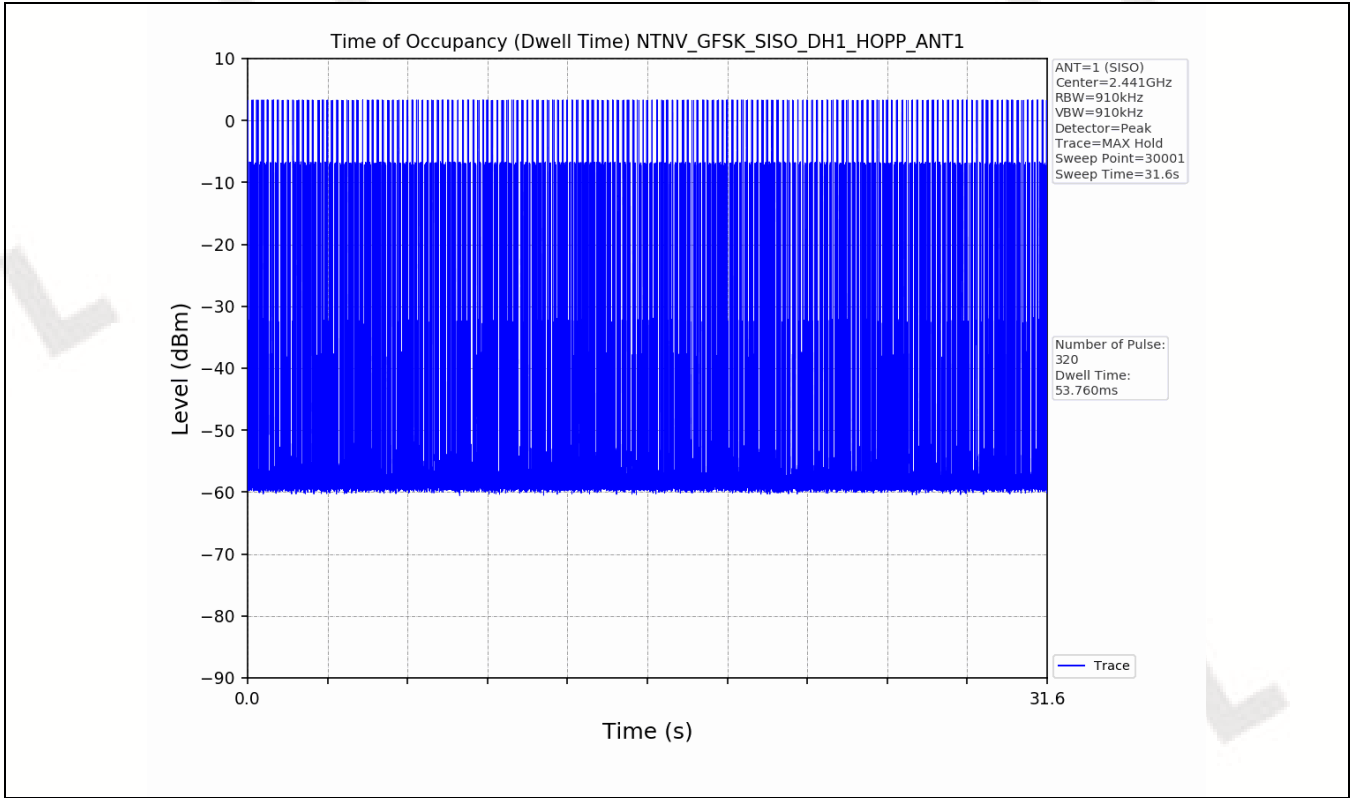
### 5. Time of Occupancy (Dwell Time)

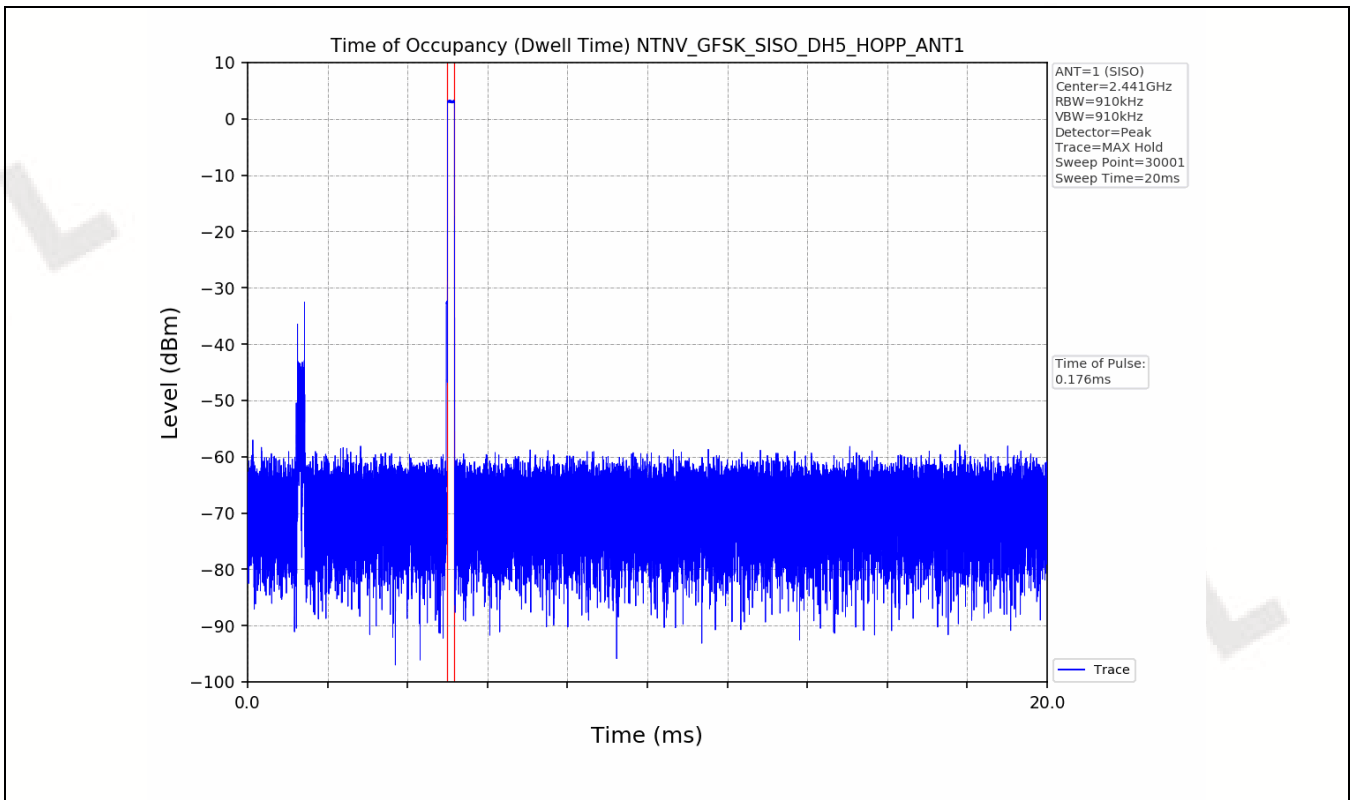
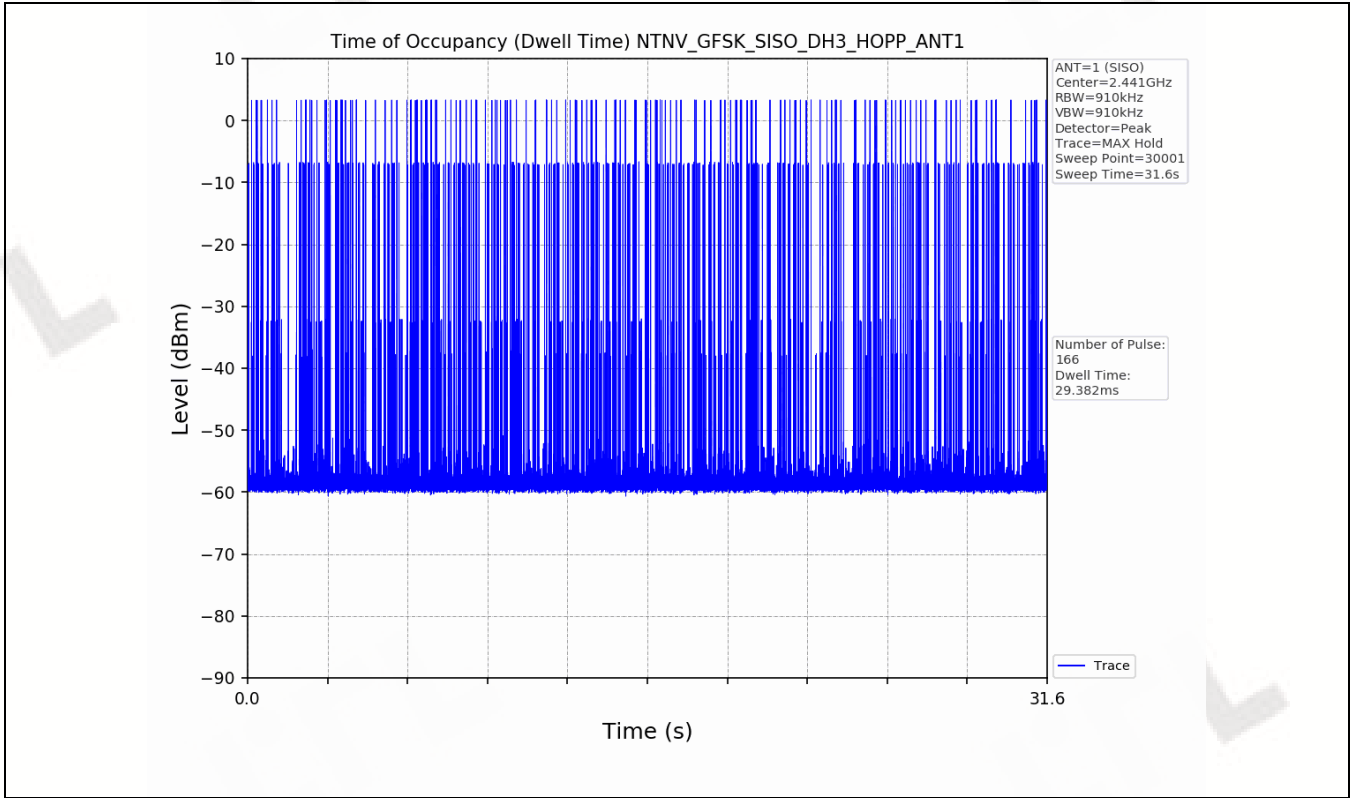
#### 5.1 Test Result

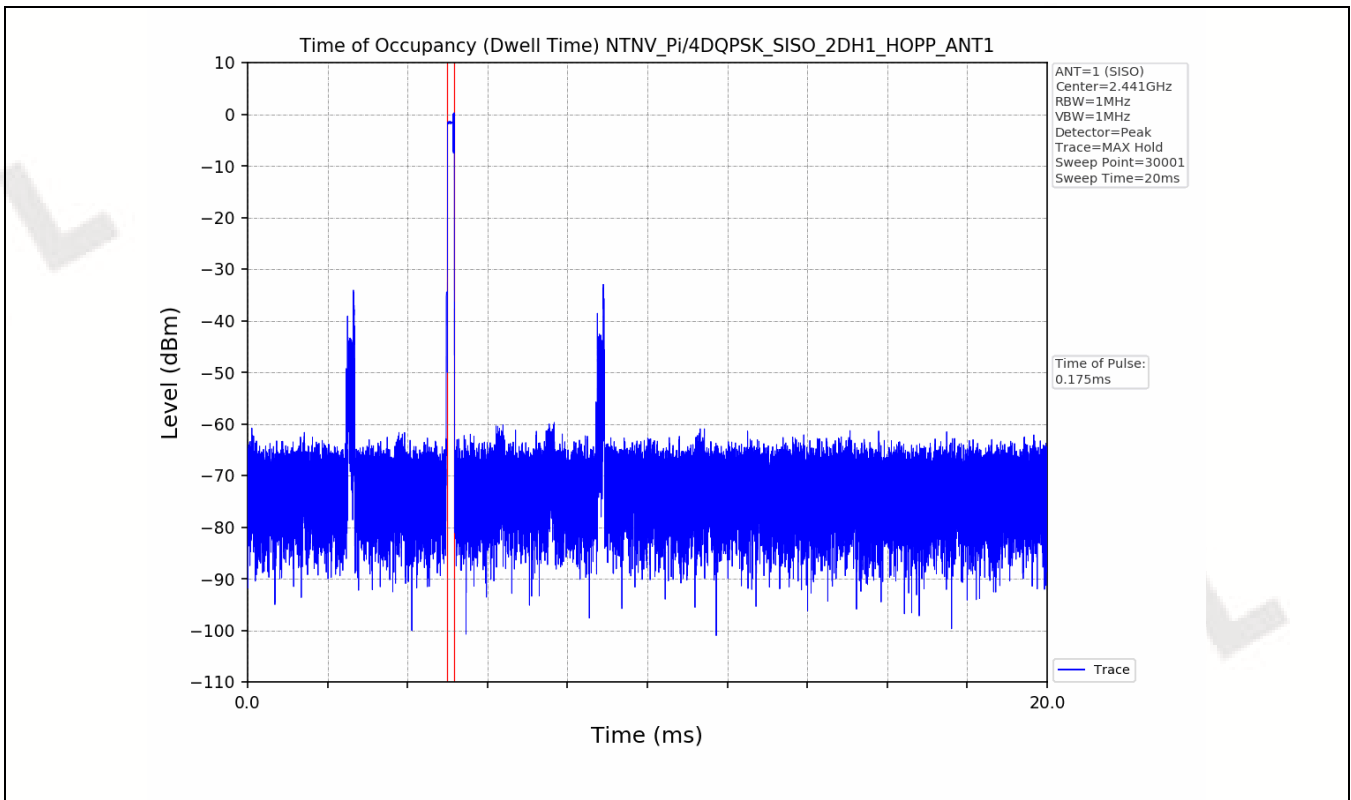
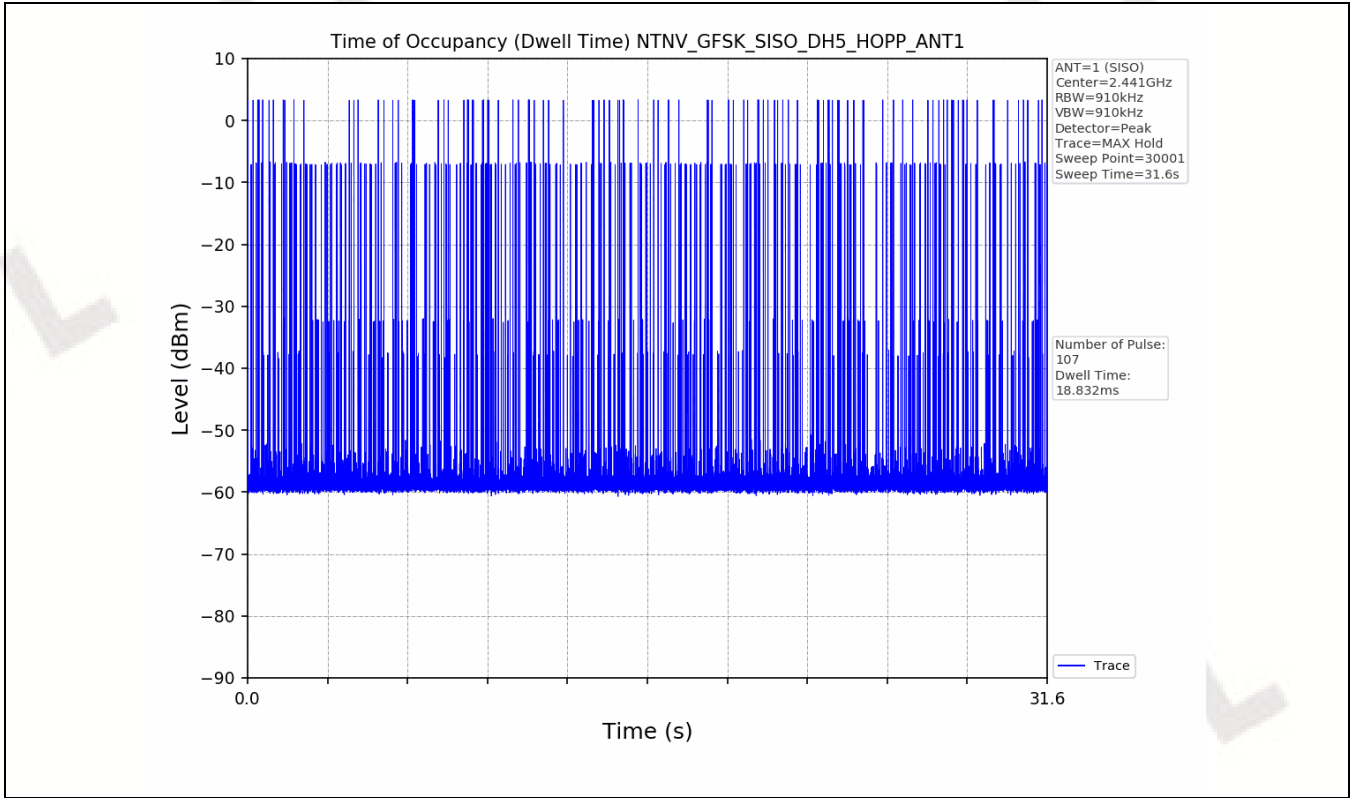
Test Mode	Packet Type	TX Type	ANT No.	Duration of Single Pulse (ms)	Observation Period (s)	Num of Pulse in Observation Period	Dwell Time (ms)	Limits (ms)	Verdict
GFSK	DH1	SISO	1	0.168	31.6	320	53.760	≤400	PASS
	DH3	SISO	1	0.177	31.6	166	29.382	≤400	PASS
	DH5	SISO	1	0.176	31.6	107	18.832	≤400	PASS
Pi/4DQ PSK	2DH1	SISO	1	0.175	31.6	317	55.475	≤400	PASS
	2DH3	SISO	1	0.174	31.6	158	27.492	≤400	PASS
	2DH5	SISO	1	0.173	31.6	123	21.279	≤400	PASS
8DPSK	3DH1	SISO	1	0.170	31.6	320	54.400	≤400	PASS
	3DH3	SISO	1	0.169	31.6	167	28.223	≤400	PASS
	3DH5	SISO	1	0.169	31.6	115	19.435	≤400	PASS

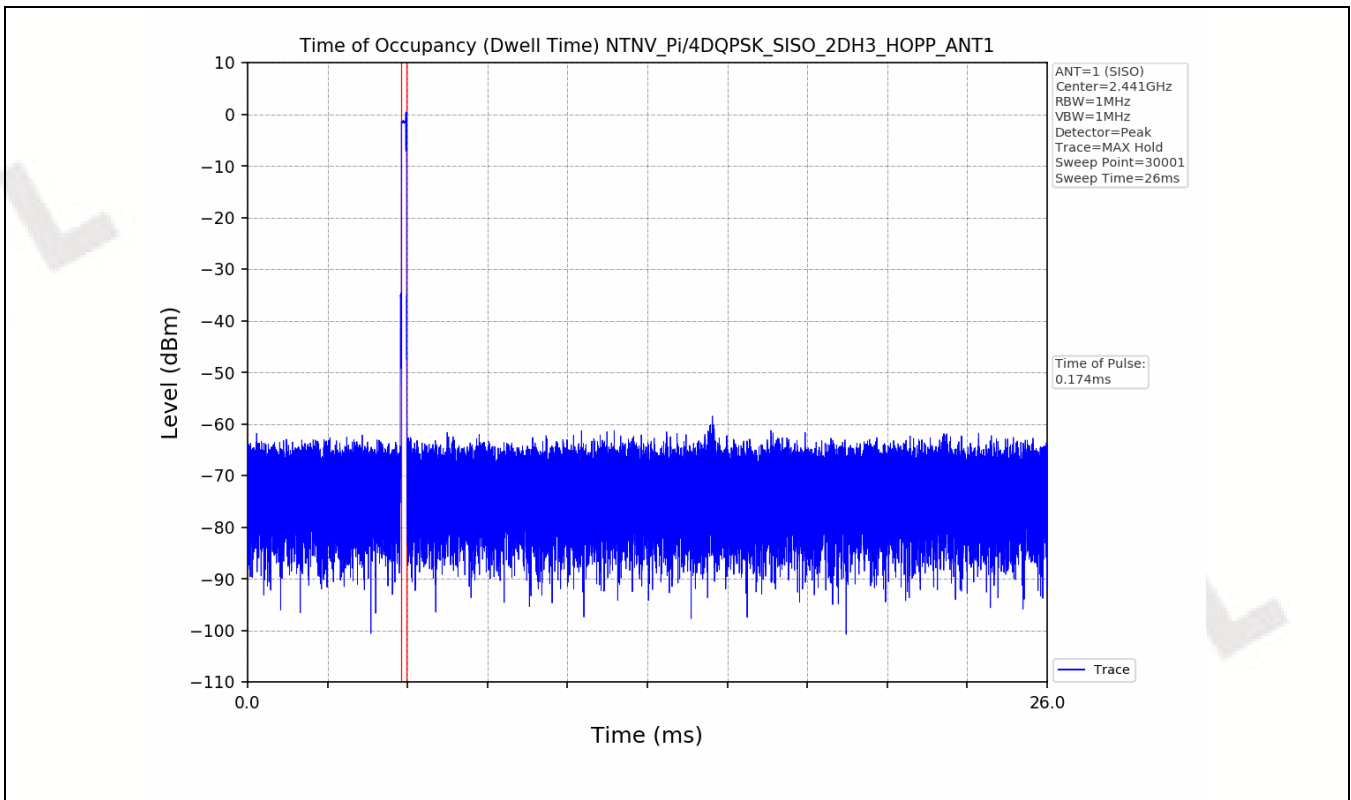
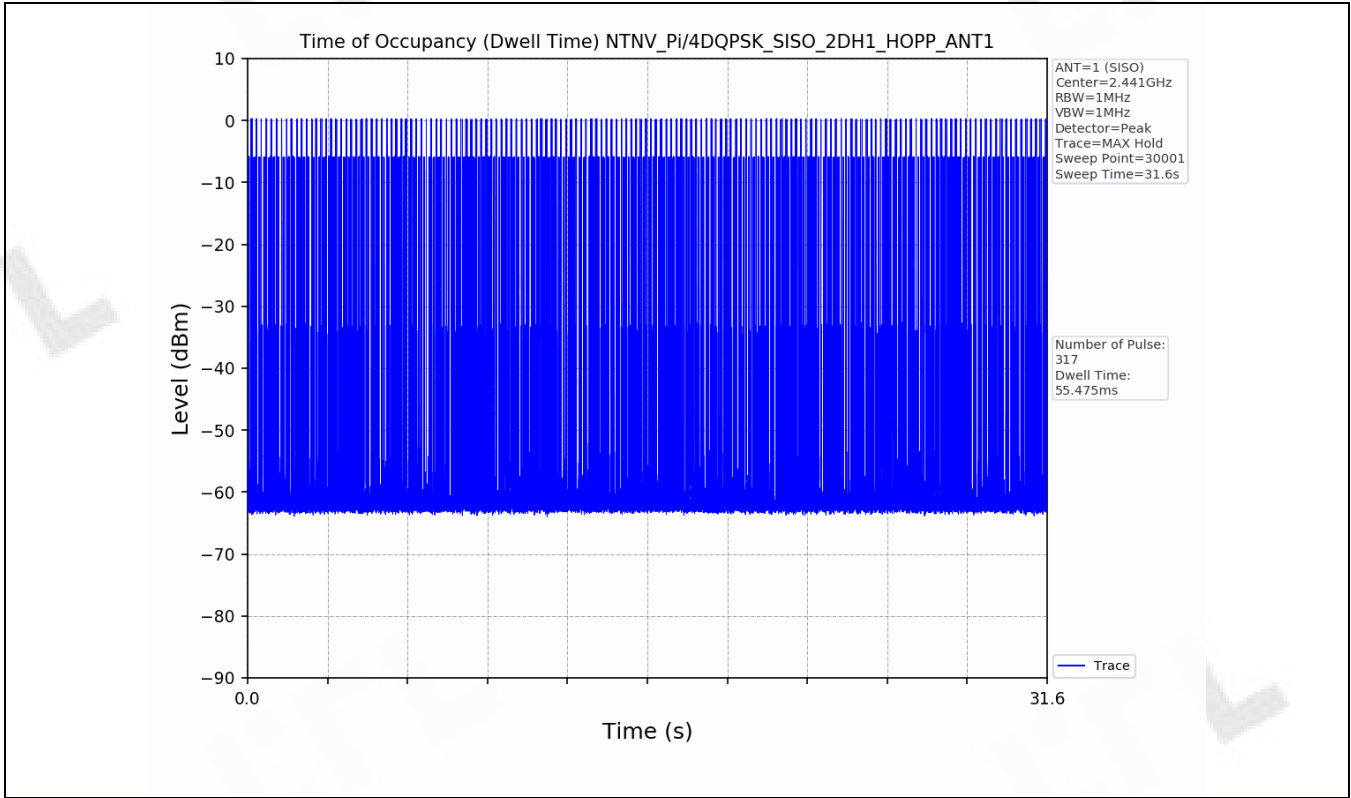
#### 5.2 Test Graph



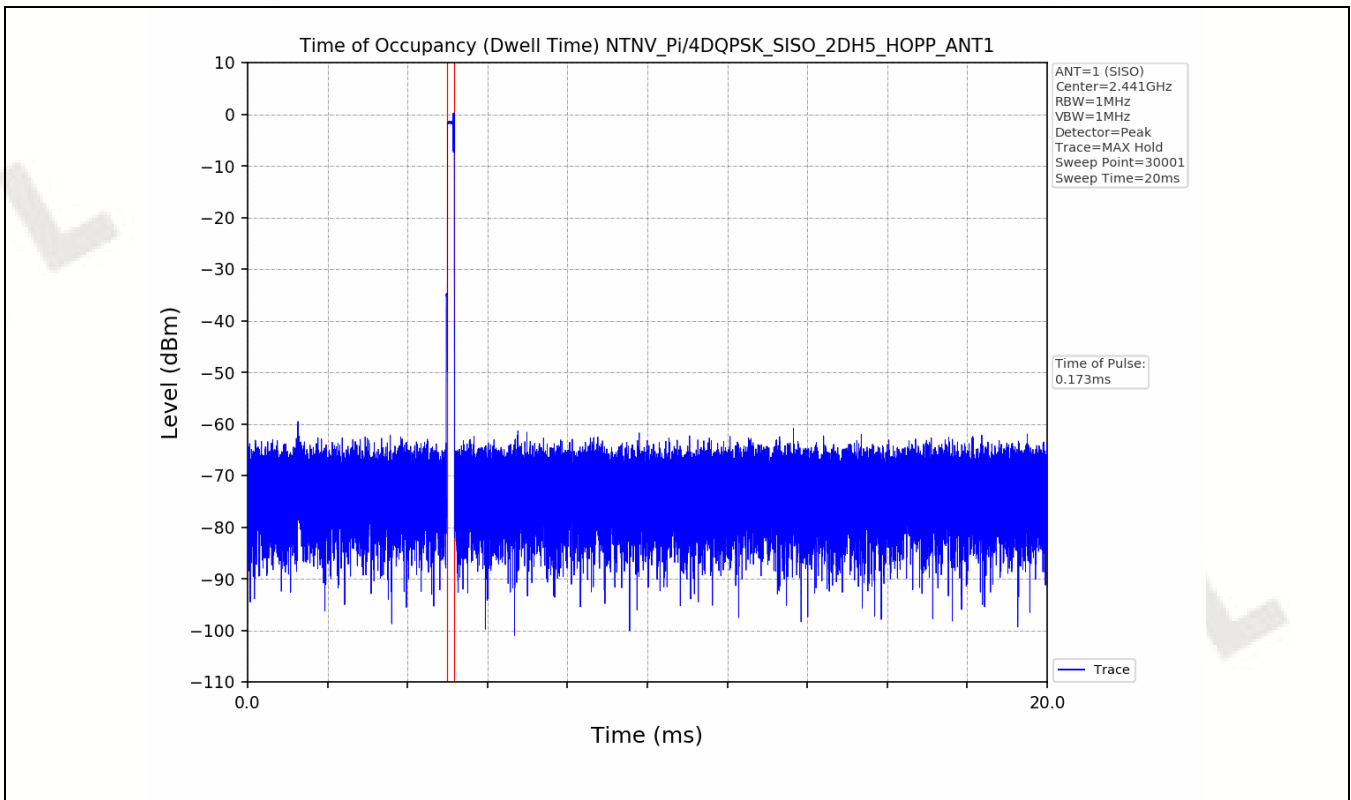
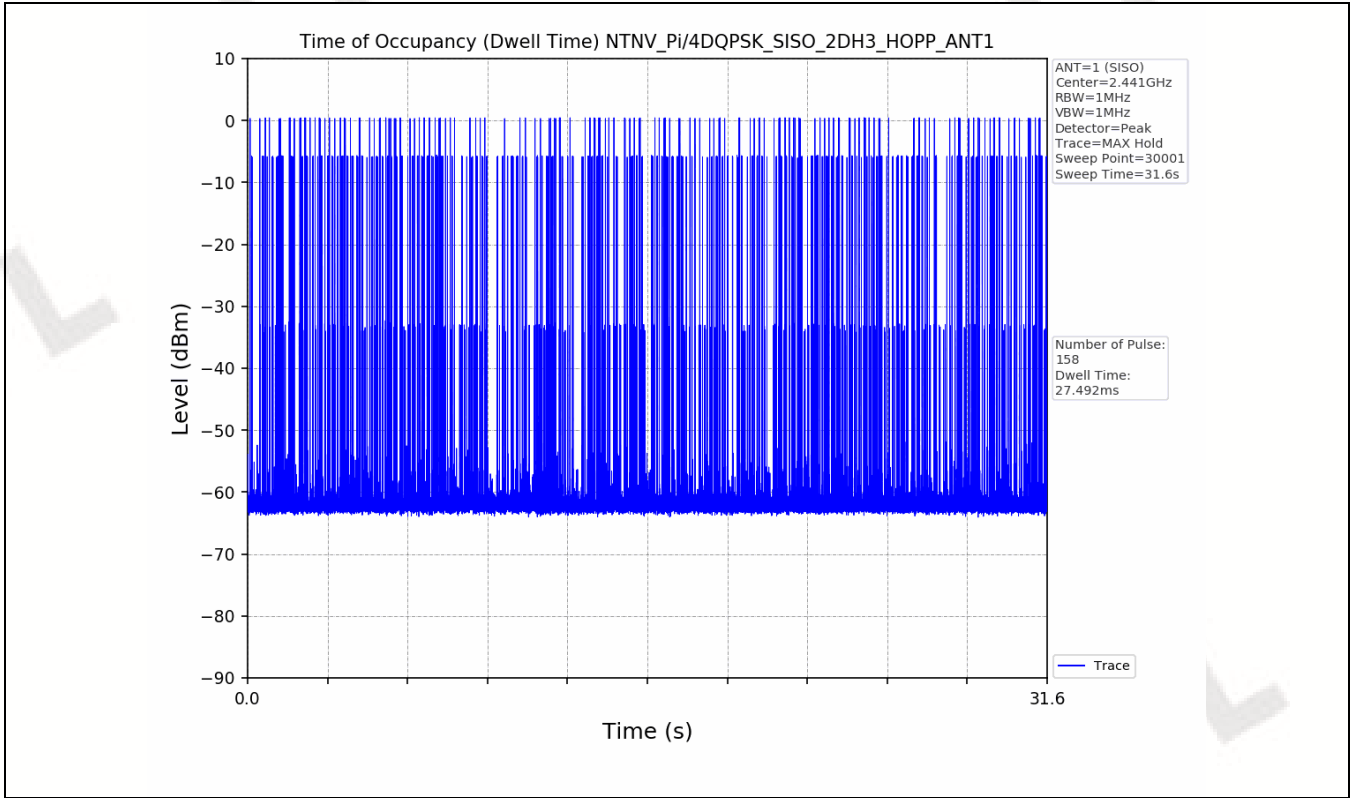


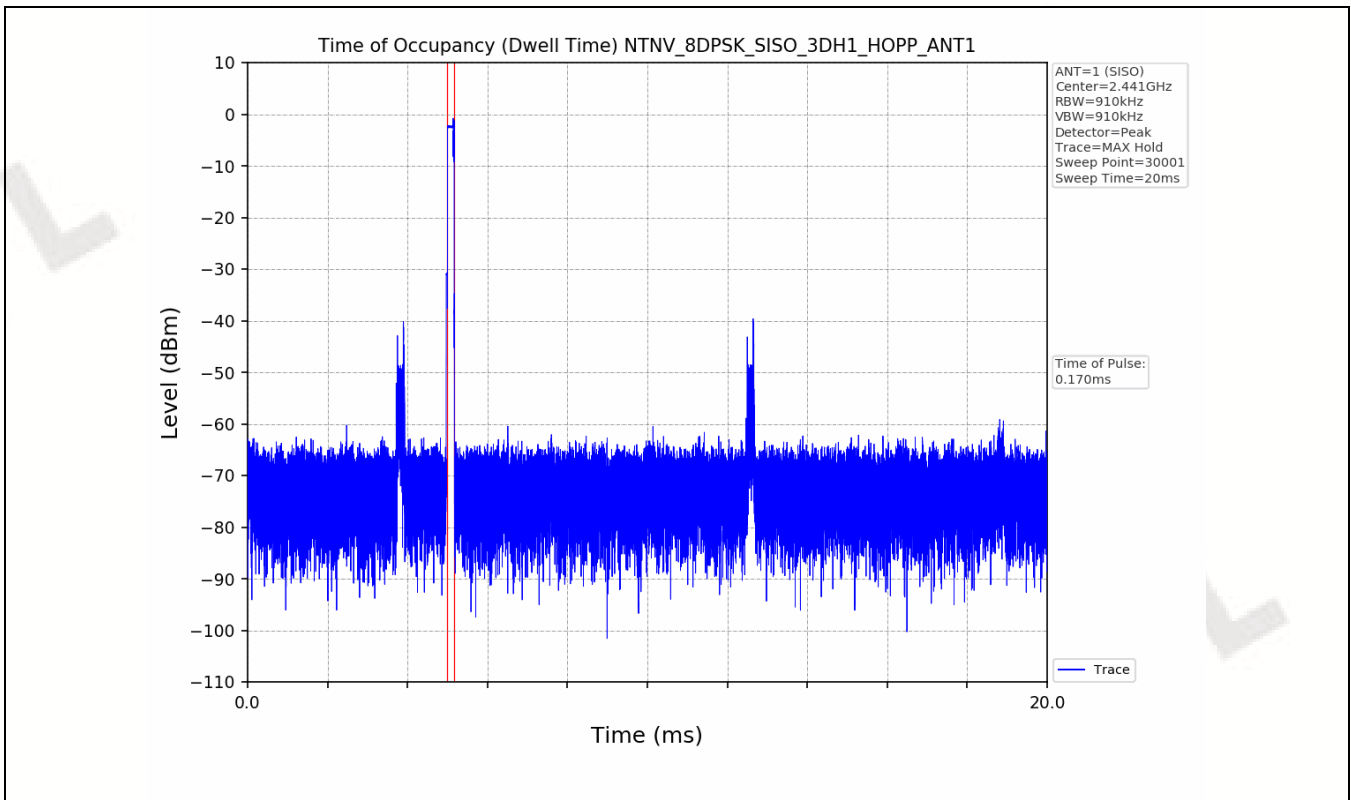
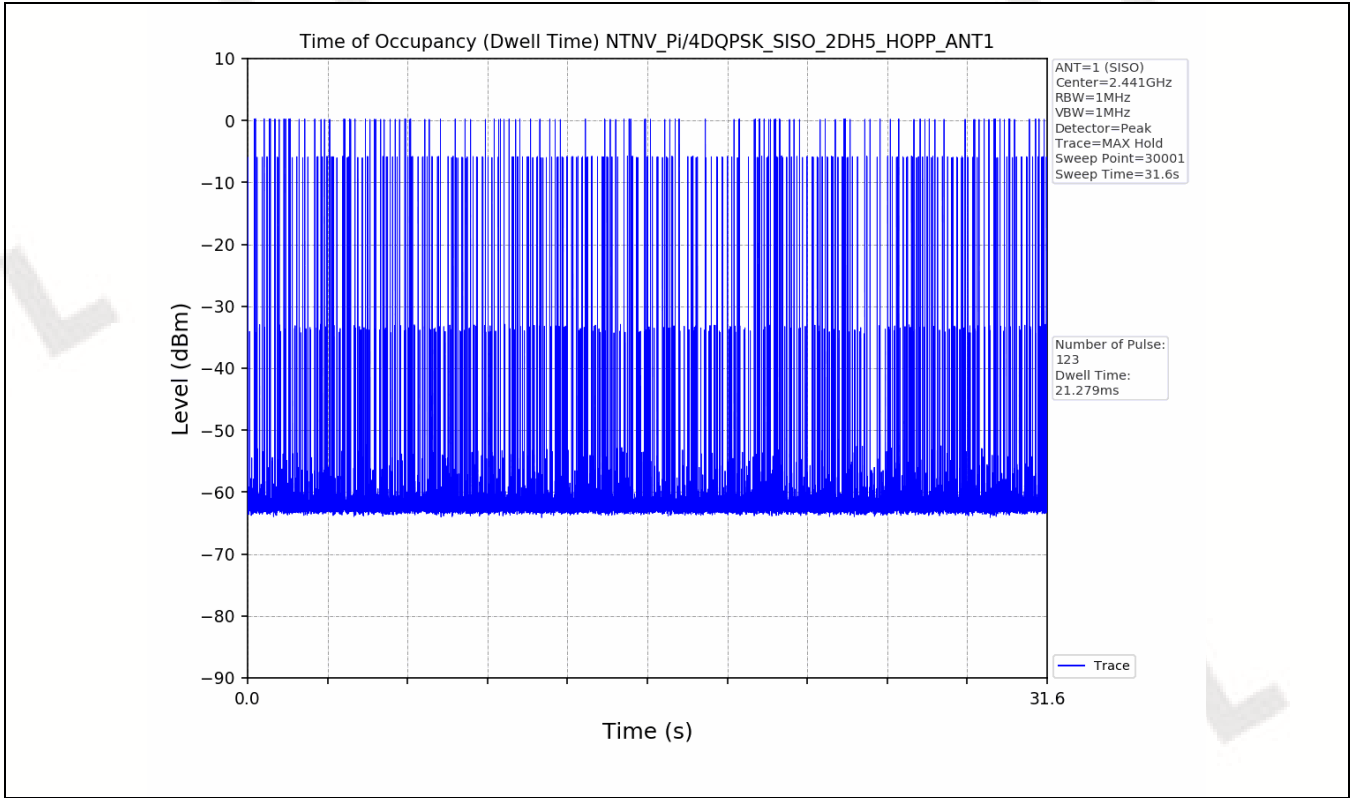


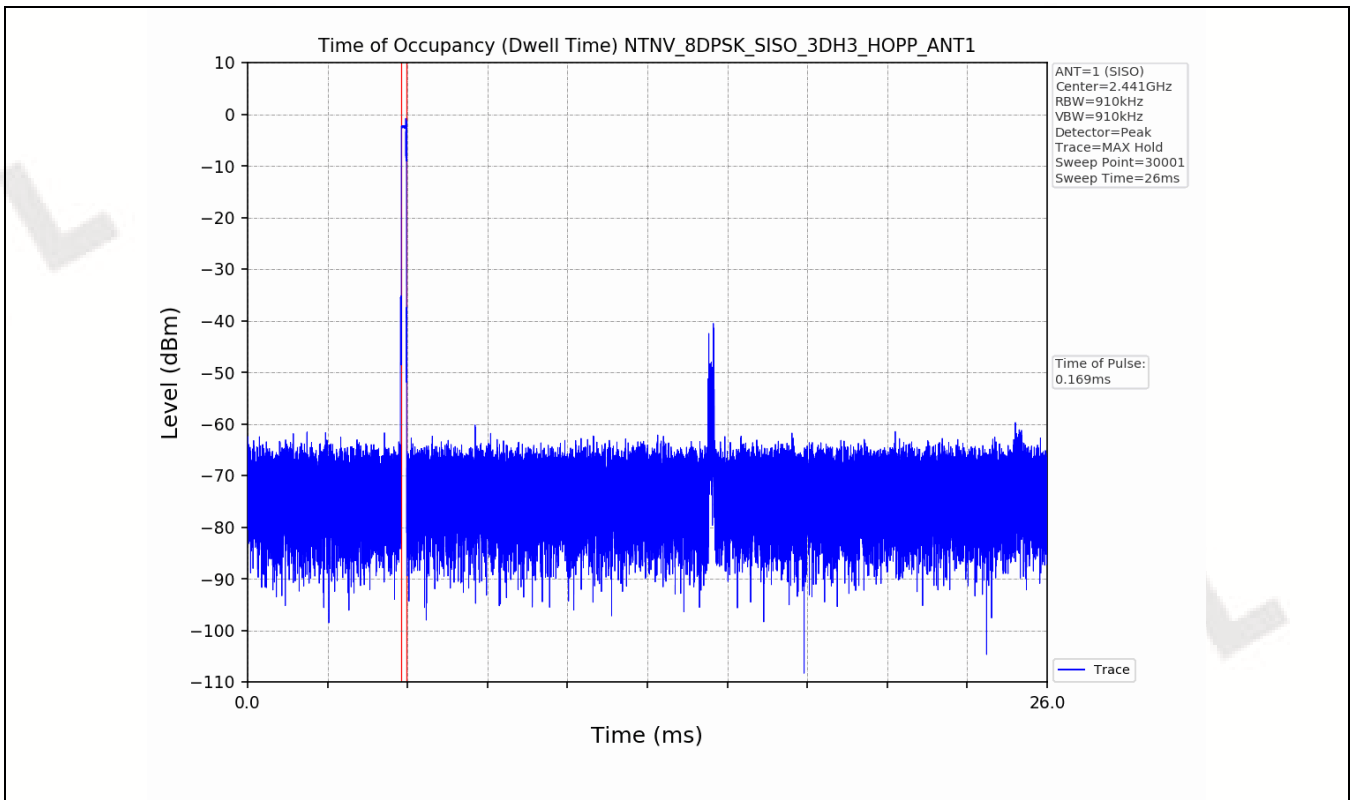
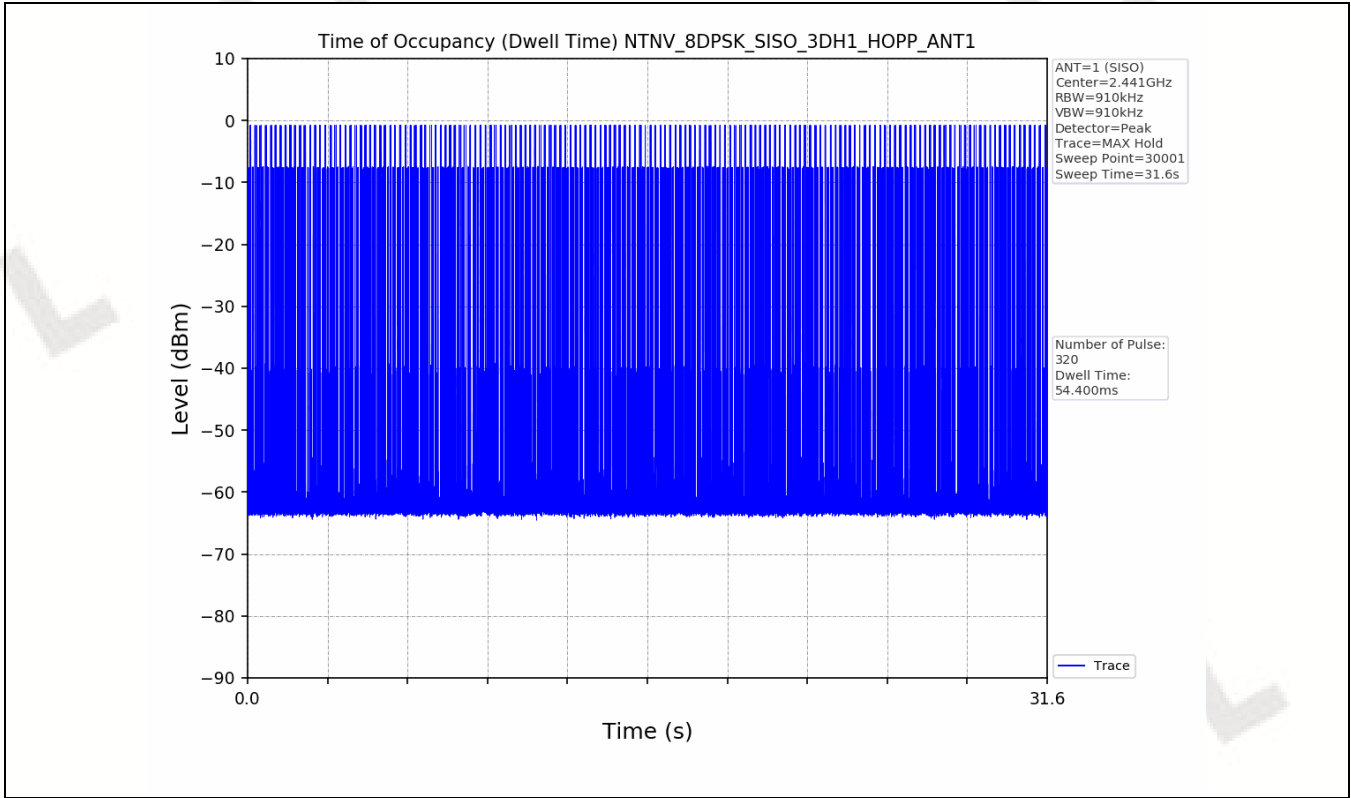


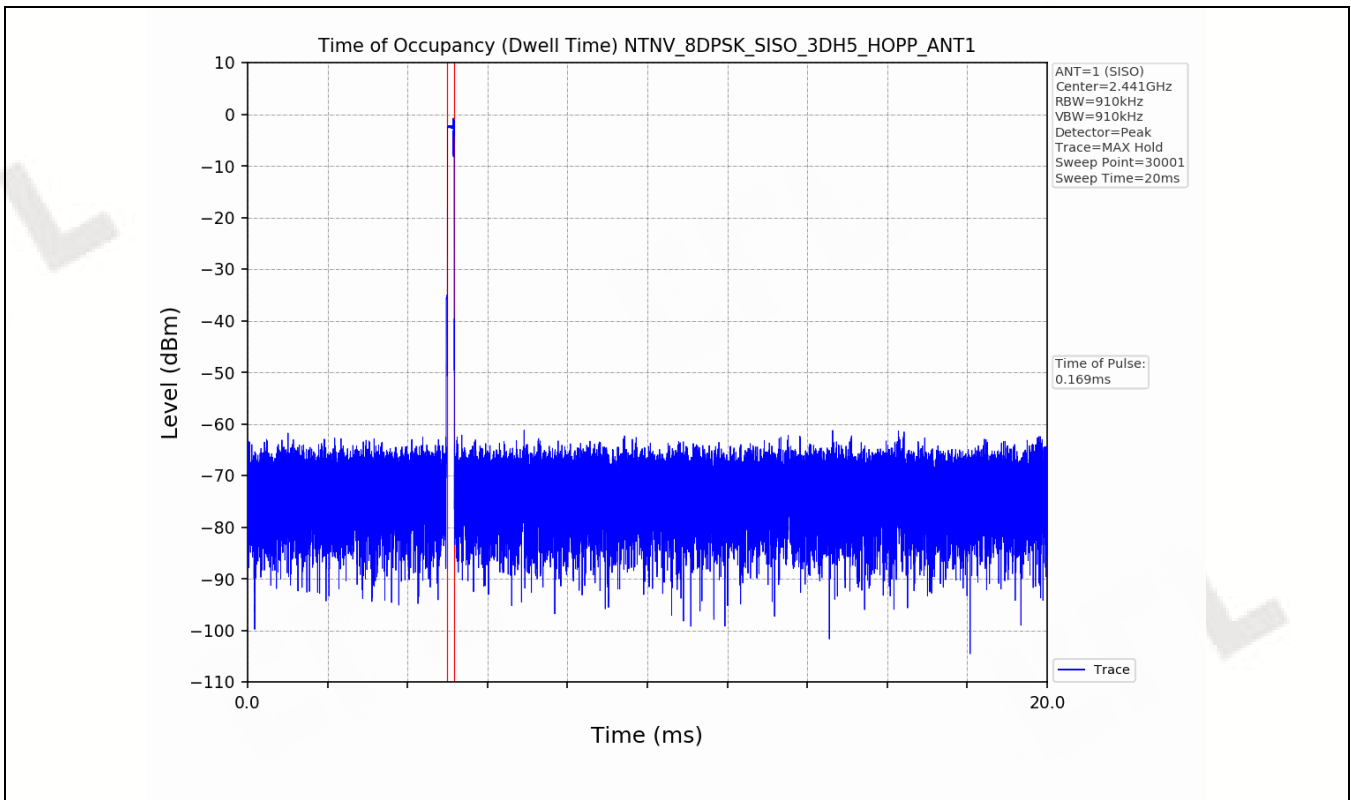
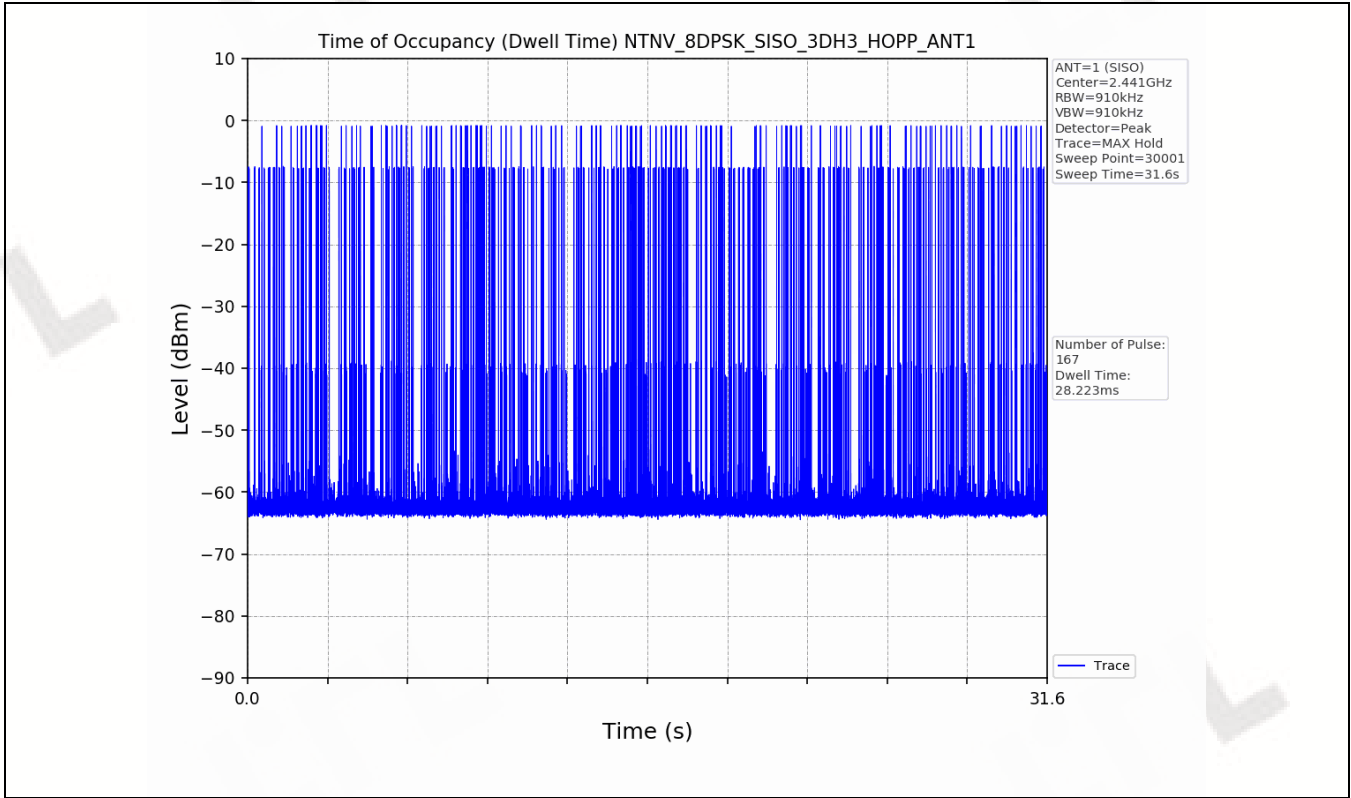


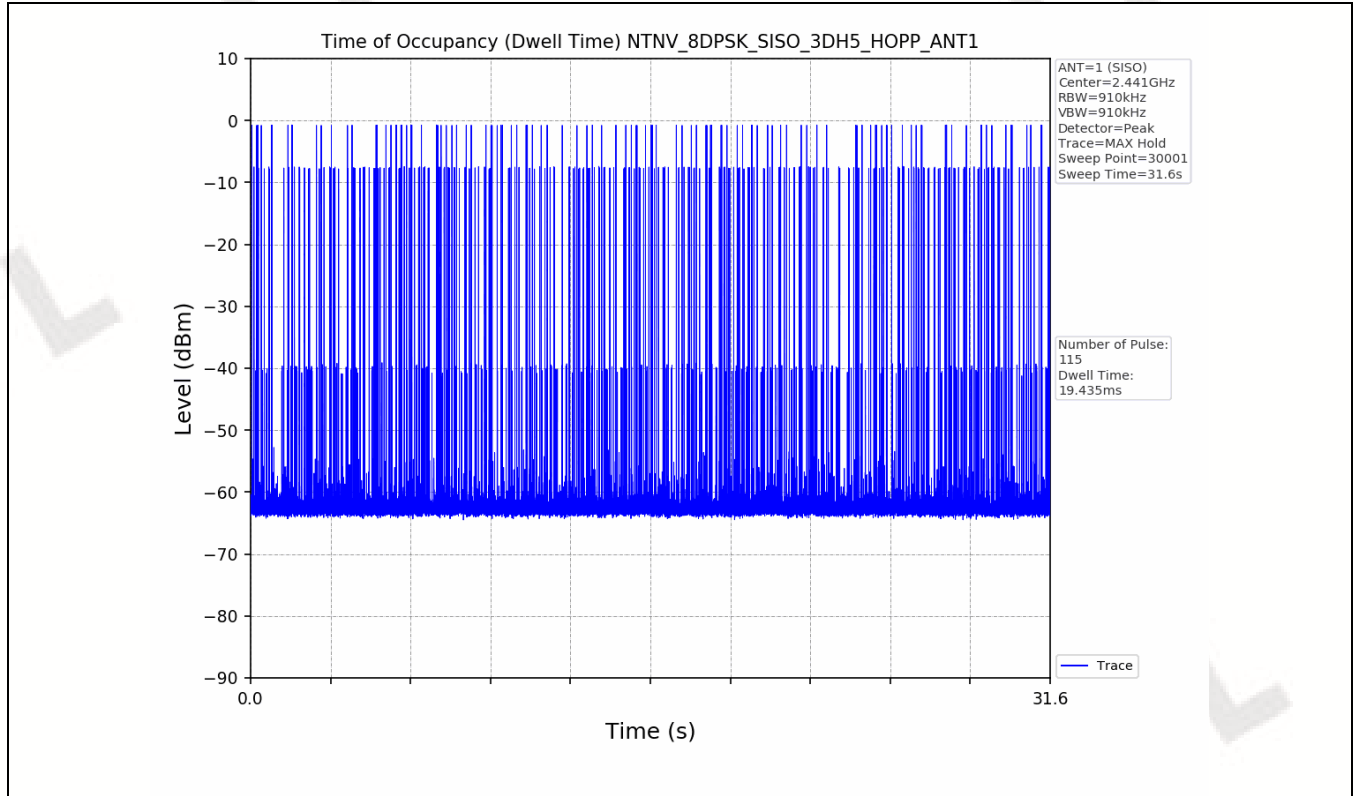












## 6. Unwanted Emissions in Non-restricted Frequency Bands

### 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	-17.51	PASS
	2441	SISO	1	Refer to test graph	-17.51	PASS
	2480	SISO	1	Refer to test graph	-17.51	PASS
	Hopping	SISO	1	Refer to test graph	-17.51	PASS
Pi/4DQPSK	2402	SISO	1	Refer to test graph	-21.64	PASS
	2441	SISO	1	Refer to test graph	-21.64	PASS
	2480	SISO	1	Refer to test graph	-21.64	PASS
	Hopping	SISO	1	Refer to test graph	-21.64	PASS
8DPSK	2402	SISO	1	Refer to test graph	-22.09	PASS
	2441	SISO	1	Refer to test graph	-22.09	PASS
	2480	SISO	1	Refer to test graph	-22.09	PASS
	Hopping	SISO	1	Refer to test graph	-22.09	PASS

### 6.2 Test Graph

