

## Appendix for 15.247

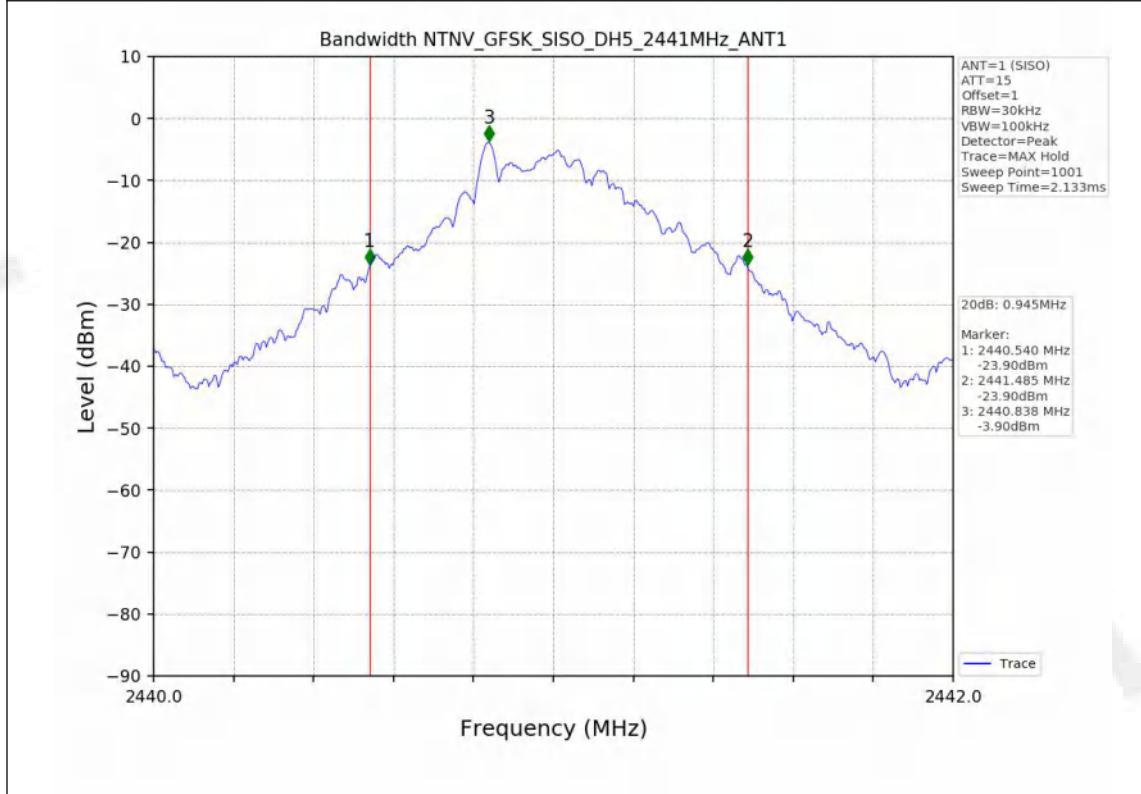
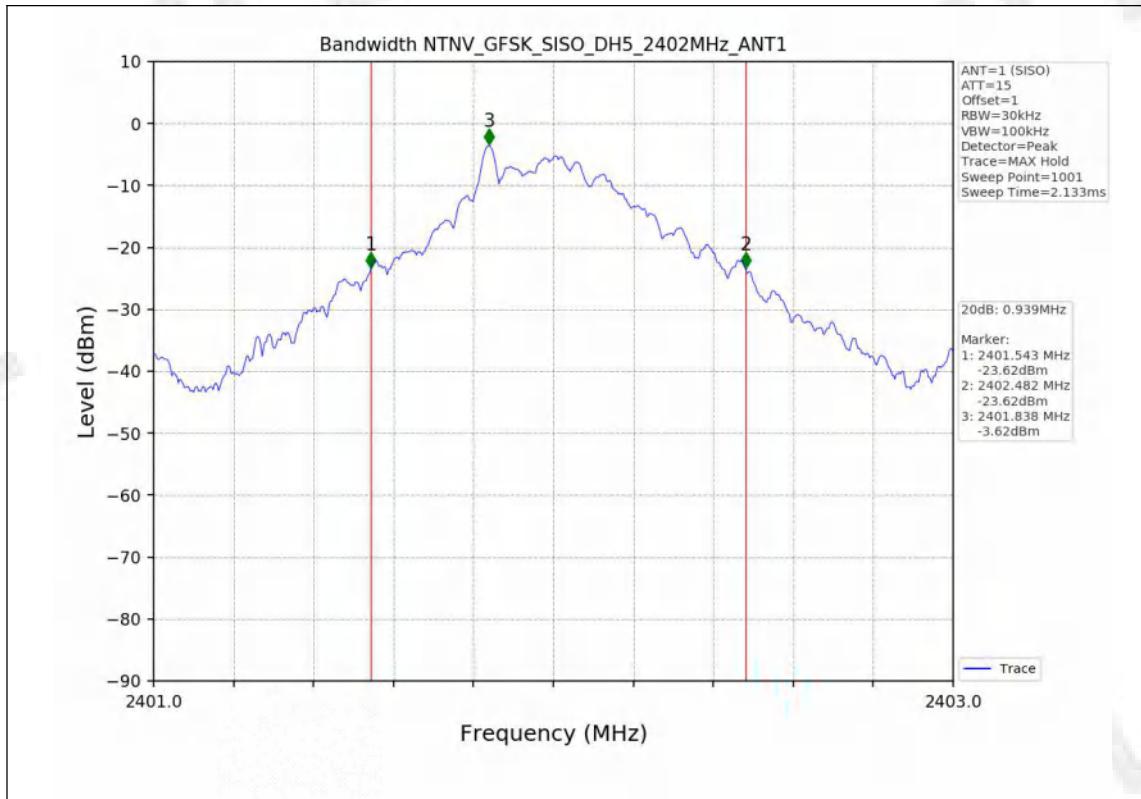
### 1. Bandwidth

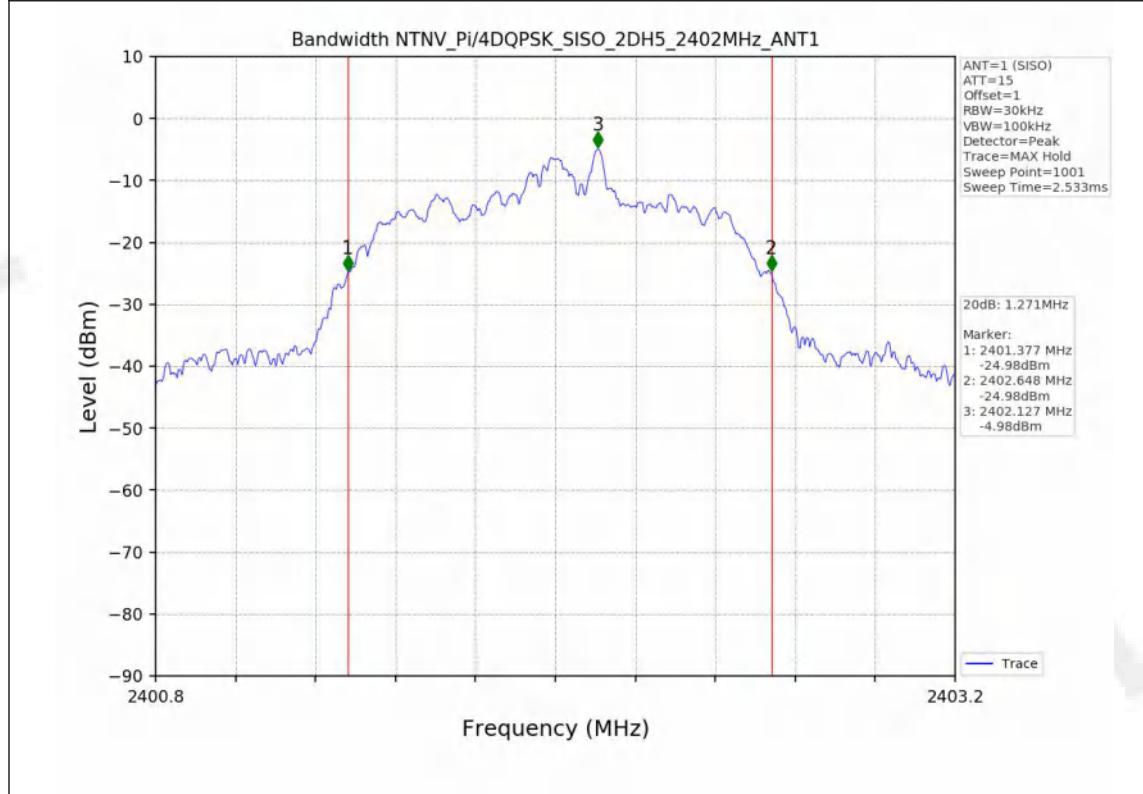
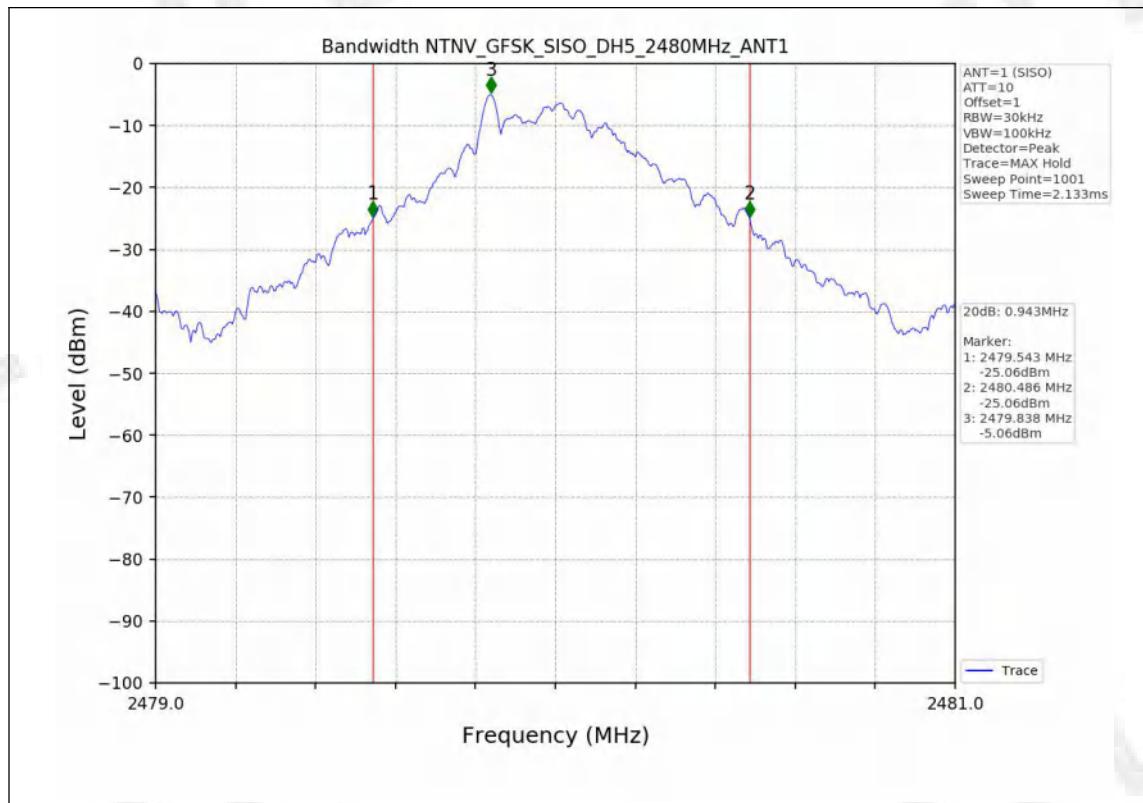
#### 1.1 Test Result

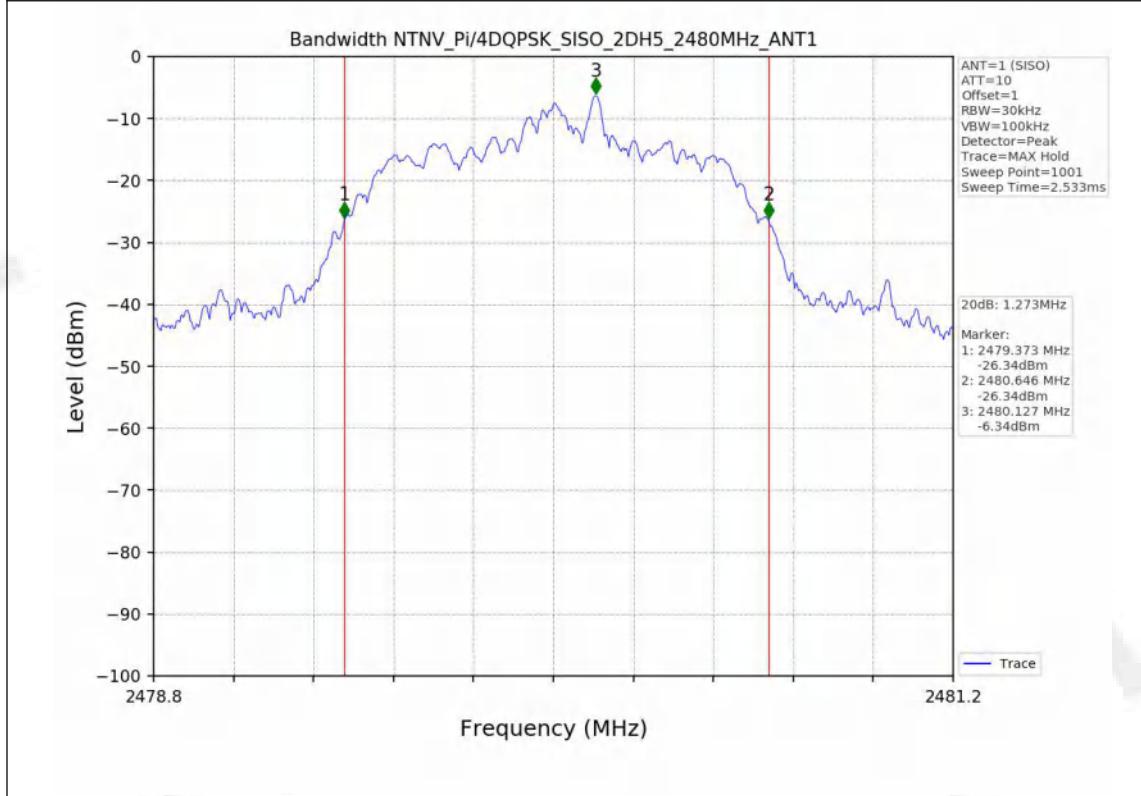
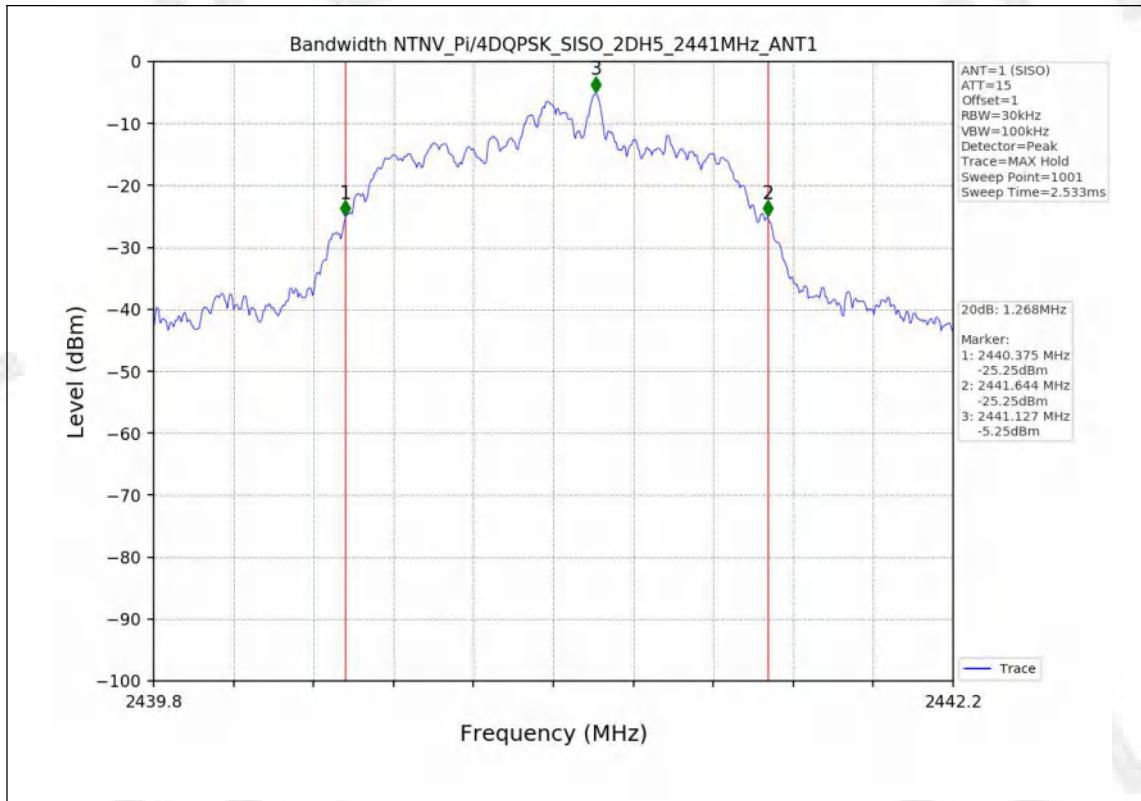
Test Mode	Frequency (MHz)	TX Type	ANT No.	20dB Bandwidth	Verdict
				Test Result (MHz)	
GFSK	2402	SISO	1	0.939	PASS
	2441	SISO	1	0.945	PASS
	2480	SISO	1	0.943	PASS
Pi/4DQPSK	2402	SISO	1	1.271	PASS
	2441	SISO	1	1.268	PASS
	2480	SISO	1	1.273	PASS
8DPSK	2402	SISO	1	1.250	PASS
	2441	SISO	1	1.256	PASS
	2480	SISO	1	1.257	PASS

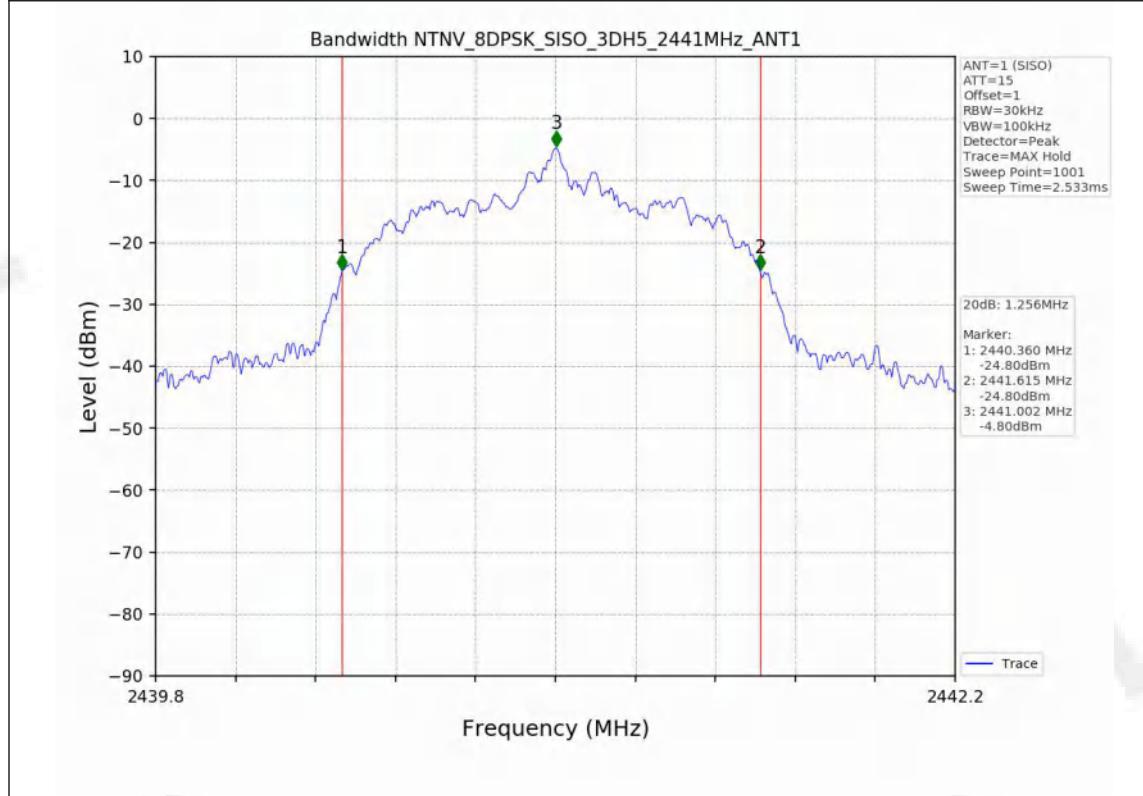
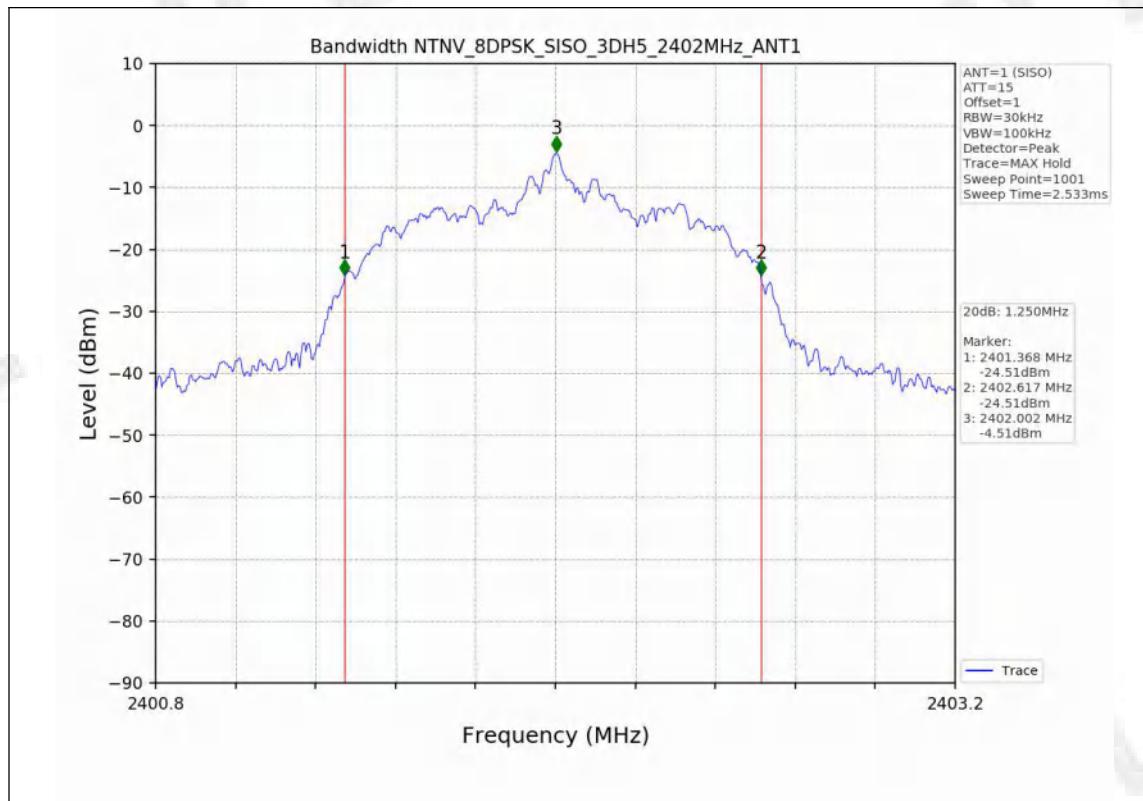
Test Mode	Frequency (MHz)	TX Type	ANT No.	99% Occupied Bandwidth	
				Test Result (MHz)	
GFSK	2402	SISO	1	0.921	Only for Report Use
	2441	SISO	1	0.923	Only for Report Use
	2480	SISO	1	0.922	Only for Report Use
Pi/4DQPSK	2402	SISO	1	1.180	Only for Report Use
	2441	SISO	1	1.173	Only for Report Use
	2480	SISO	1	1.177	Only for Report Use
8DPSK	2402	SISO	1	1.181	Only for Report Use
	2441	SISO	1	1.193	Only for Report Use
	2480	SISO	1	1.185	Only for Report Use

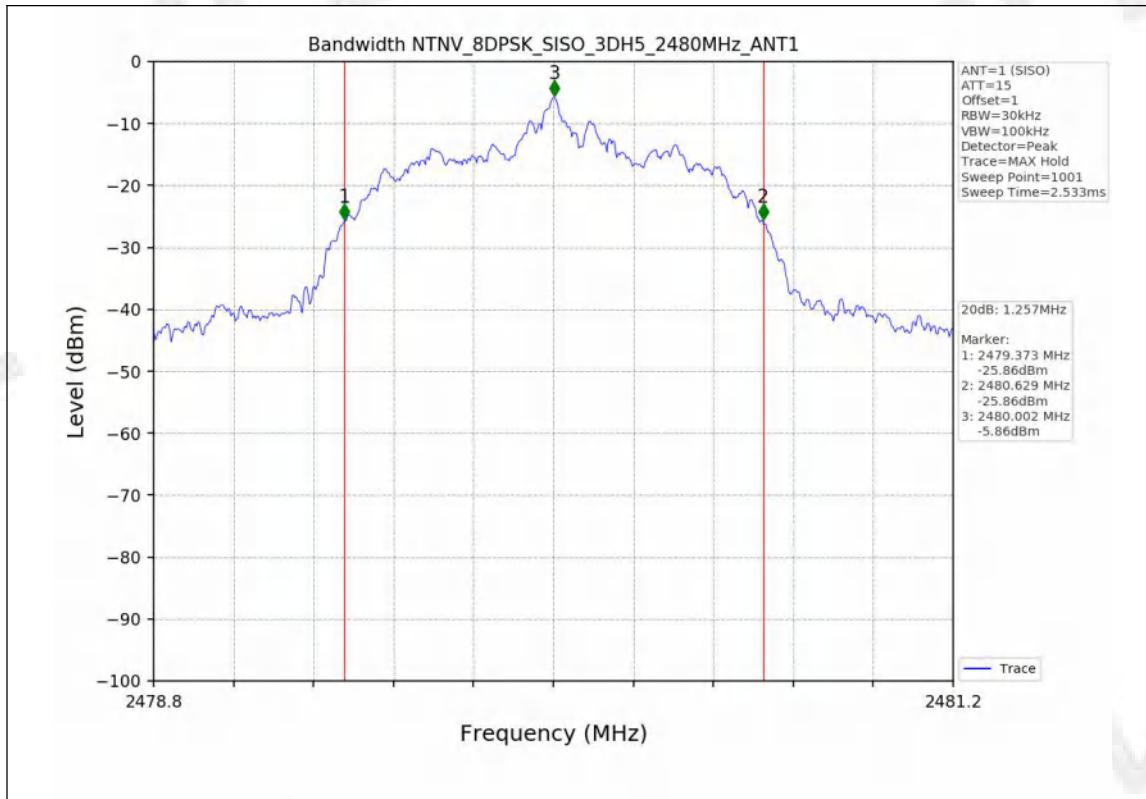
#### 1.2 Test Graph - 20dB Bandwidth



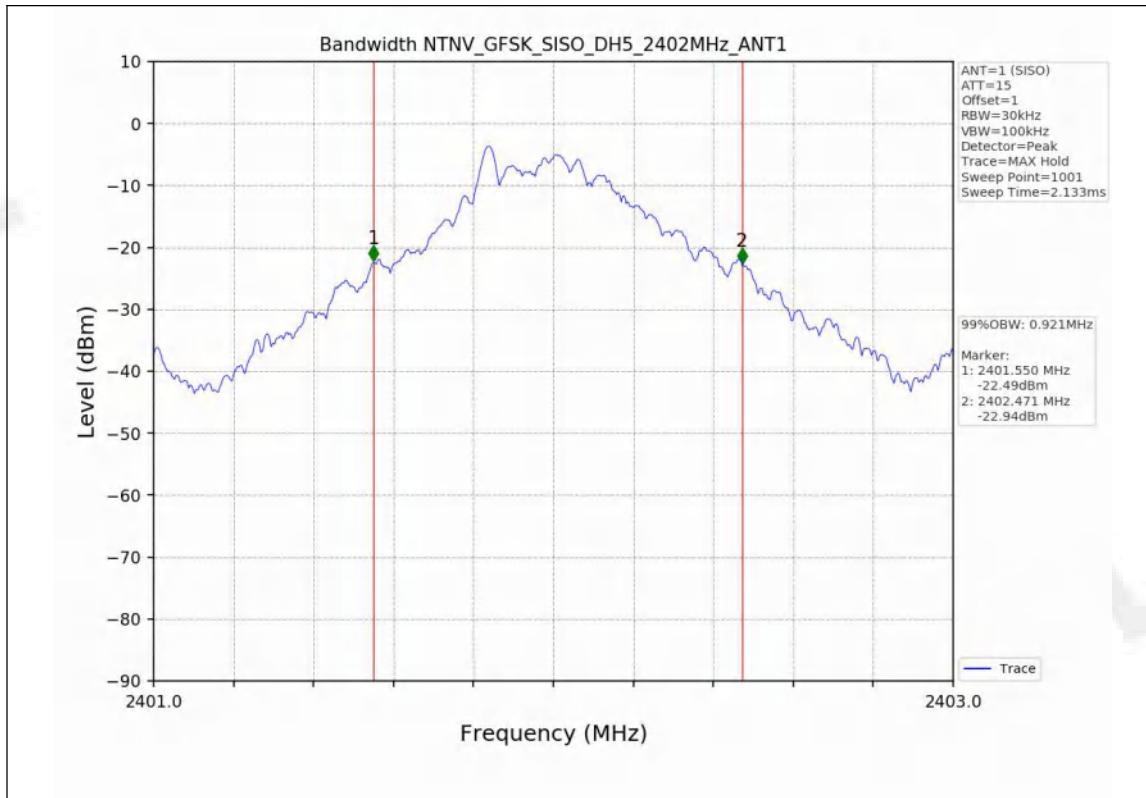


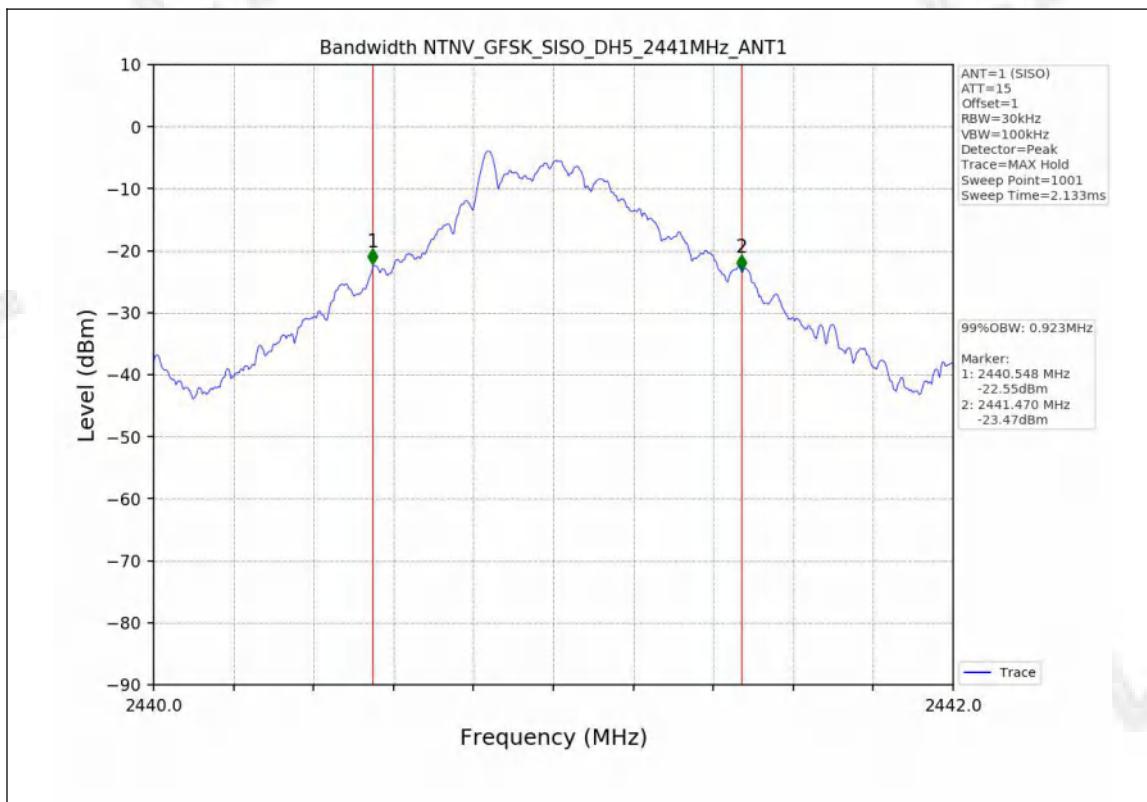


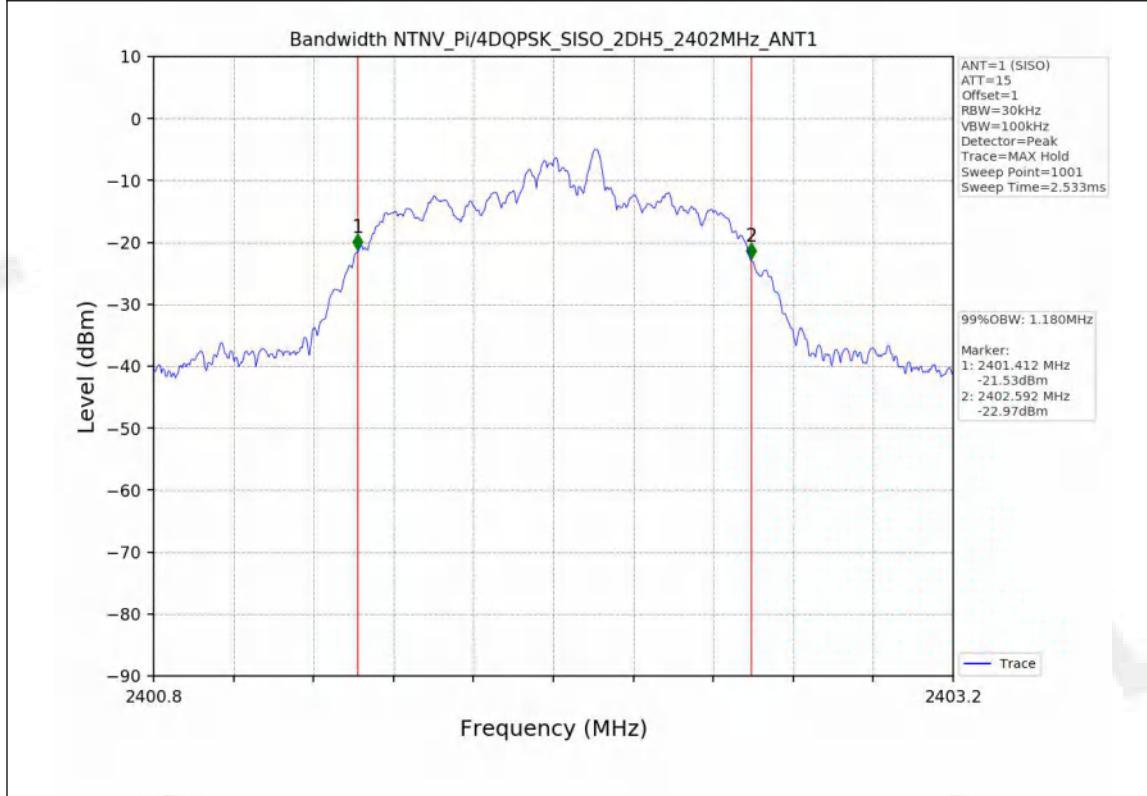
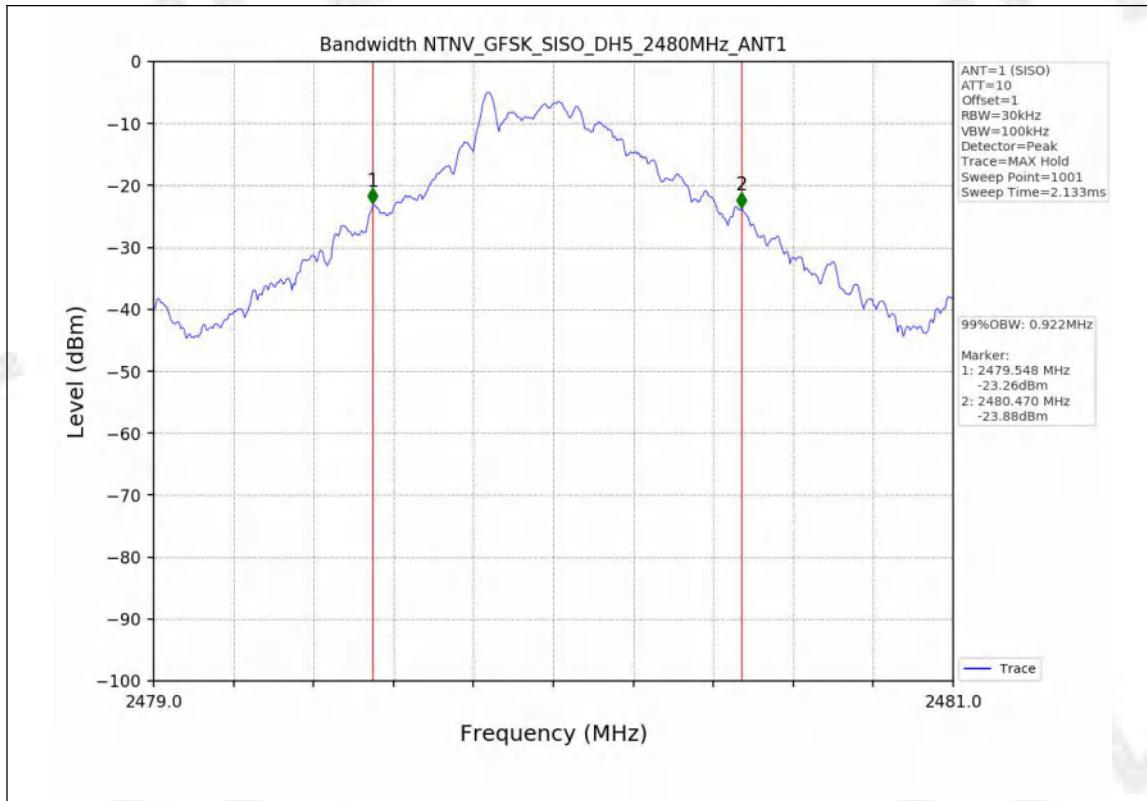


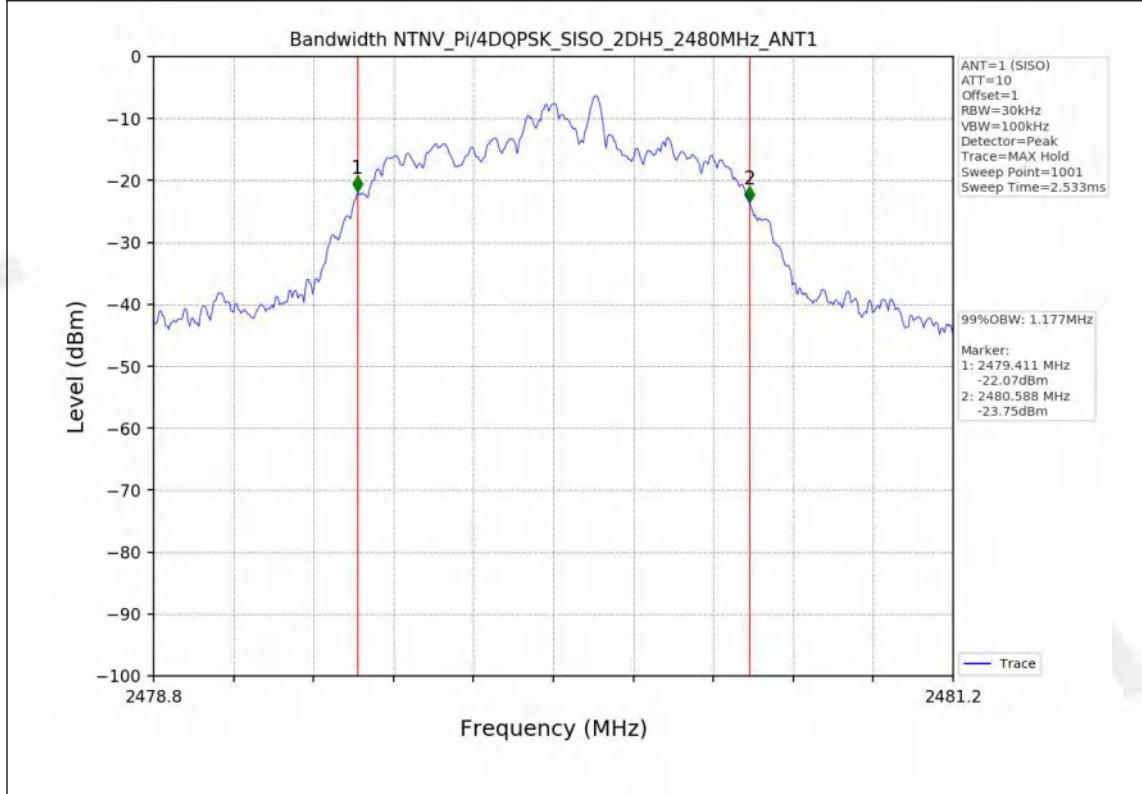
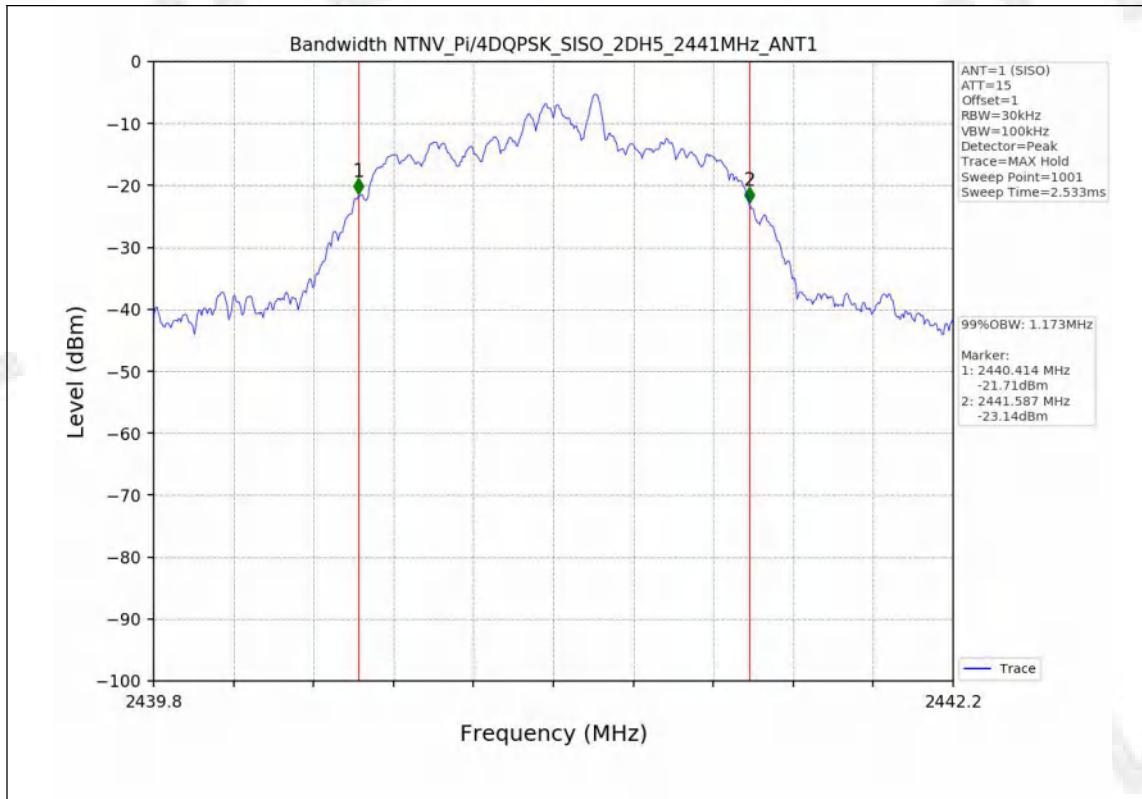


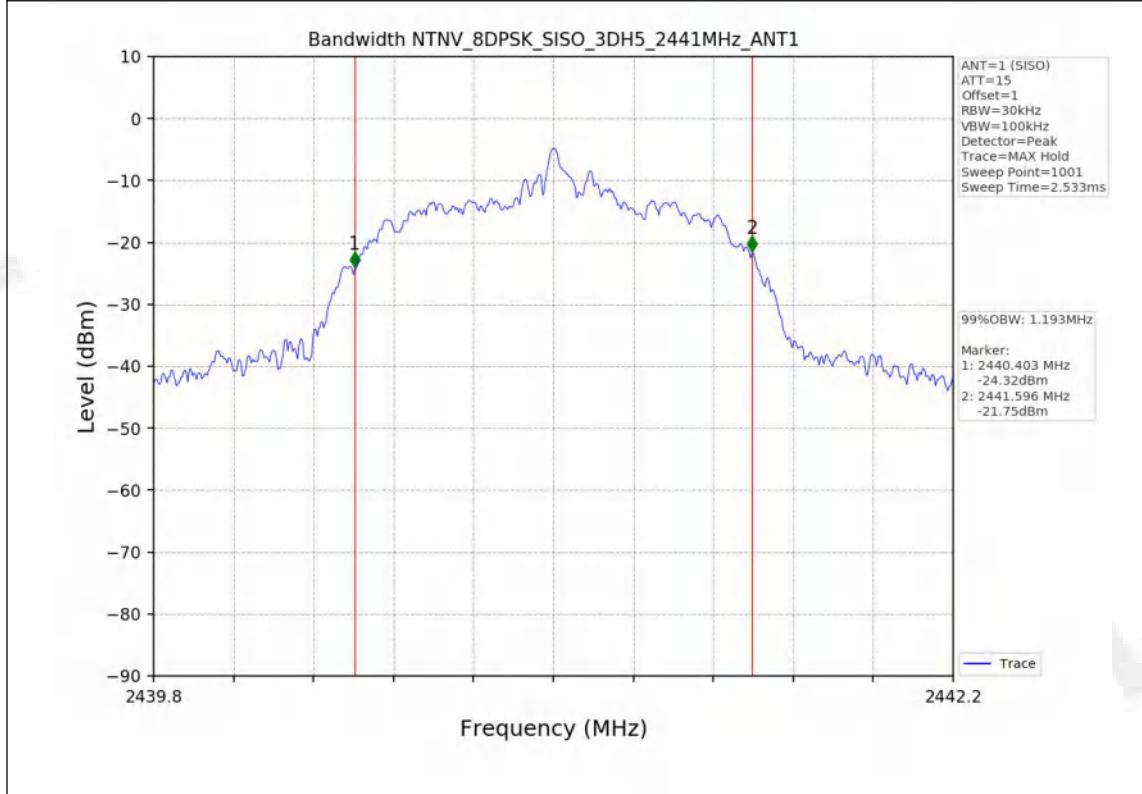
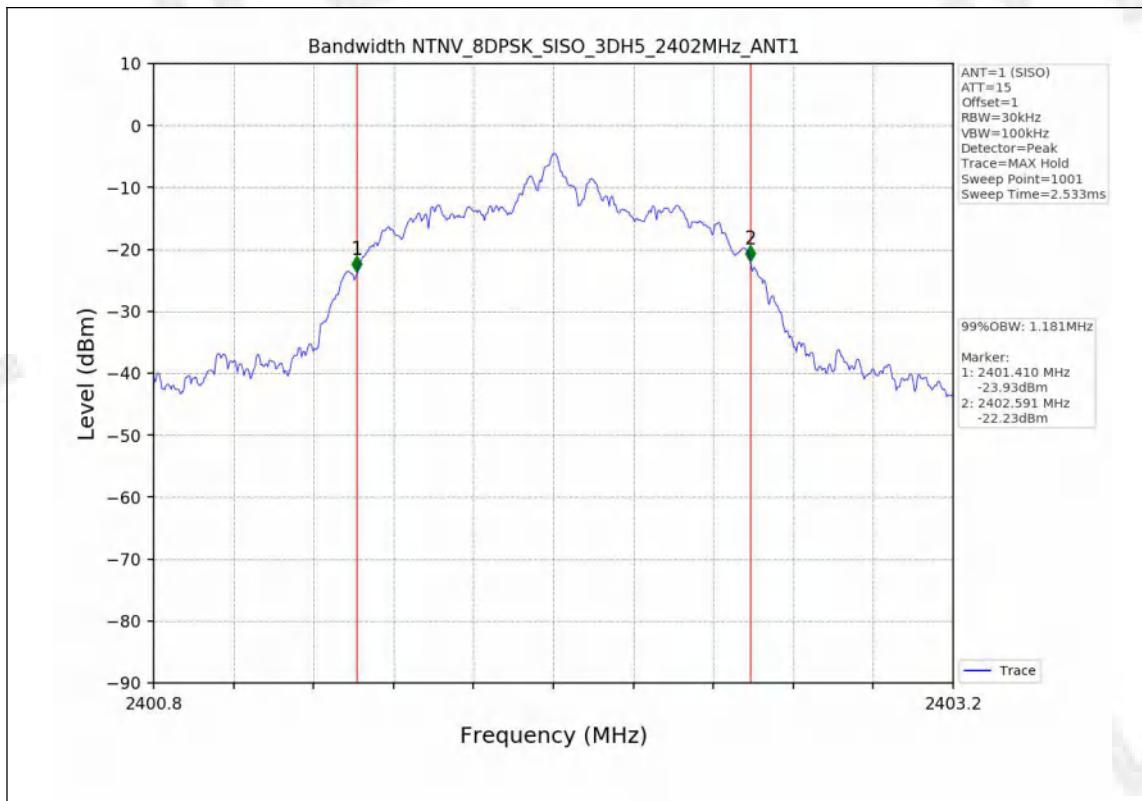
### 1.3 Test Graph - 99% Occupied Bandwidth

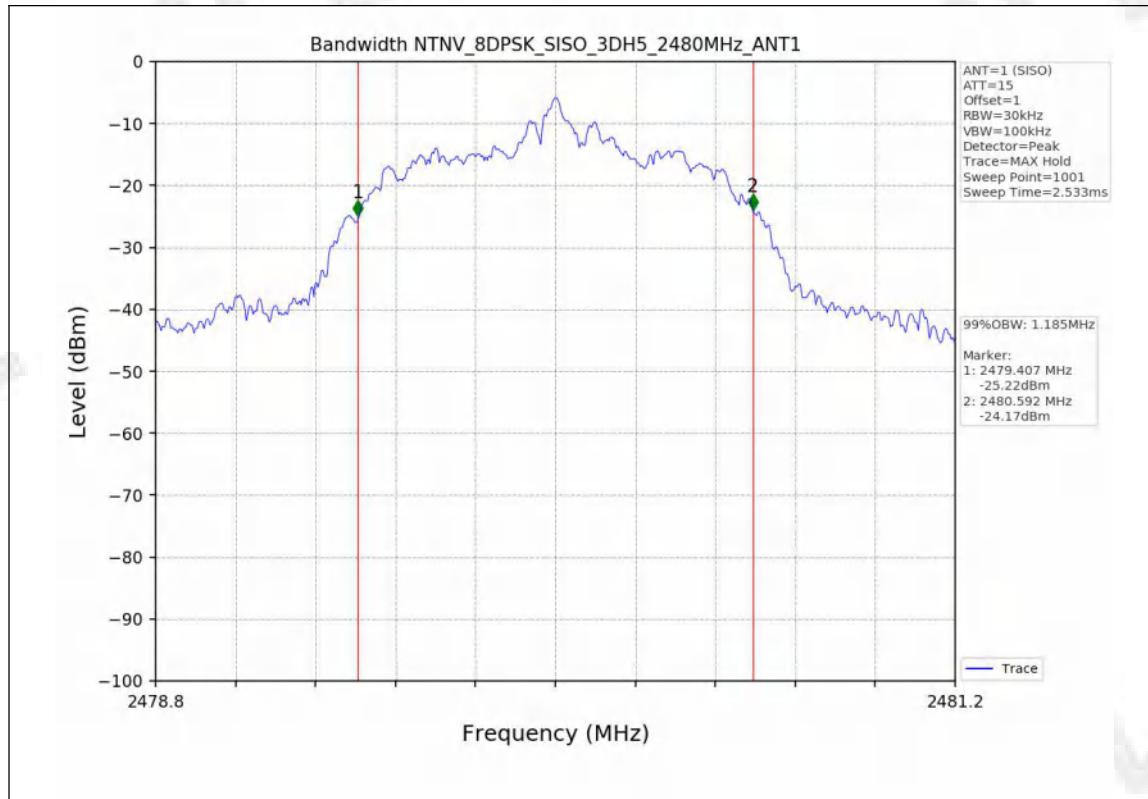










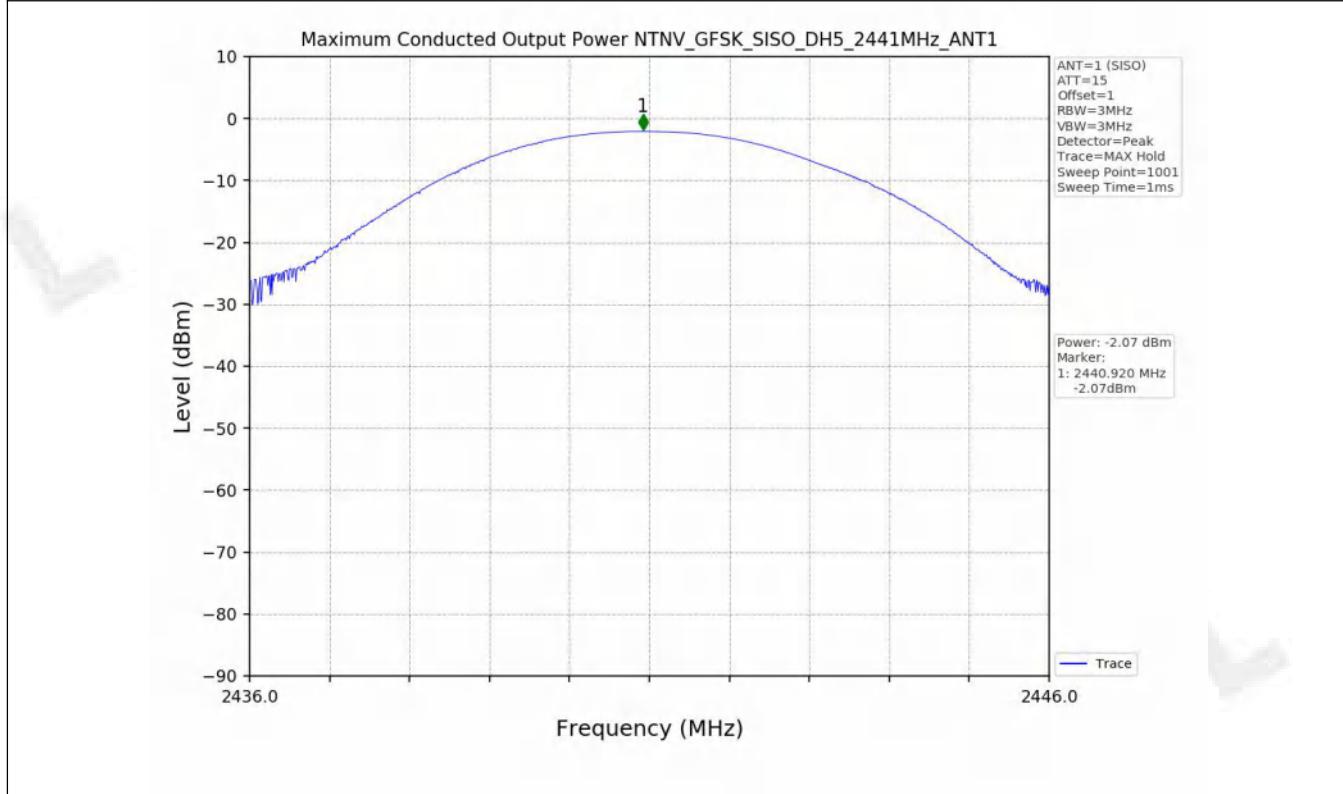
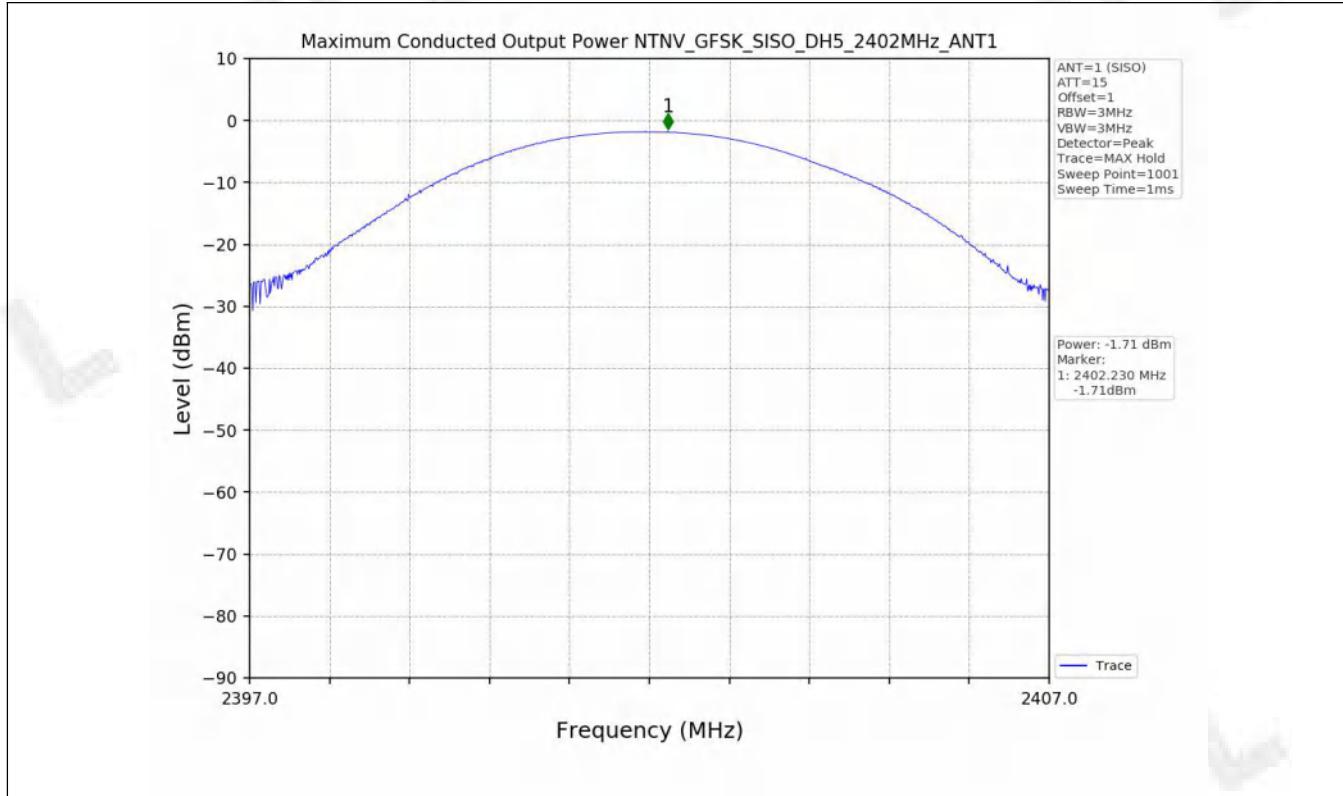


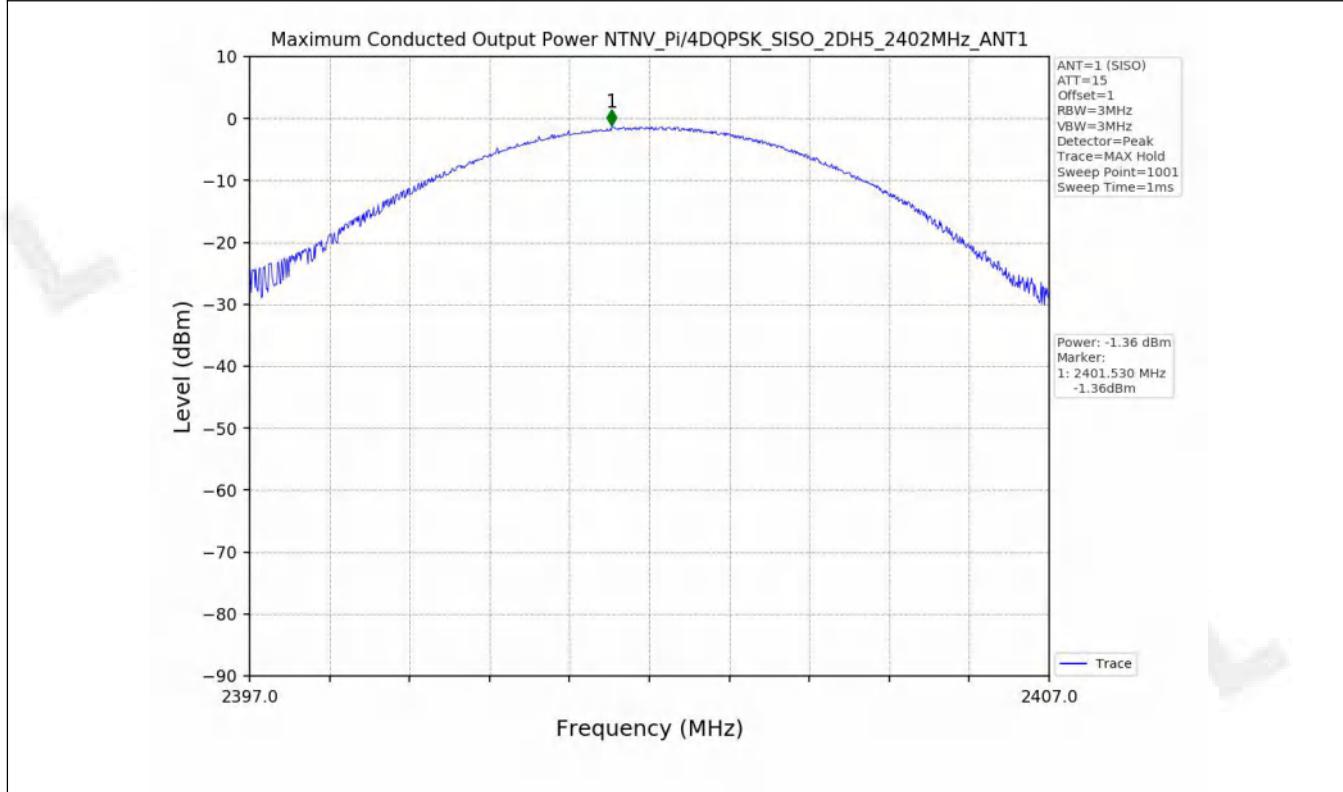
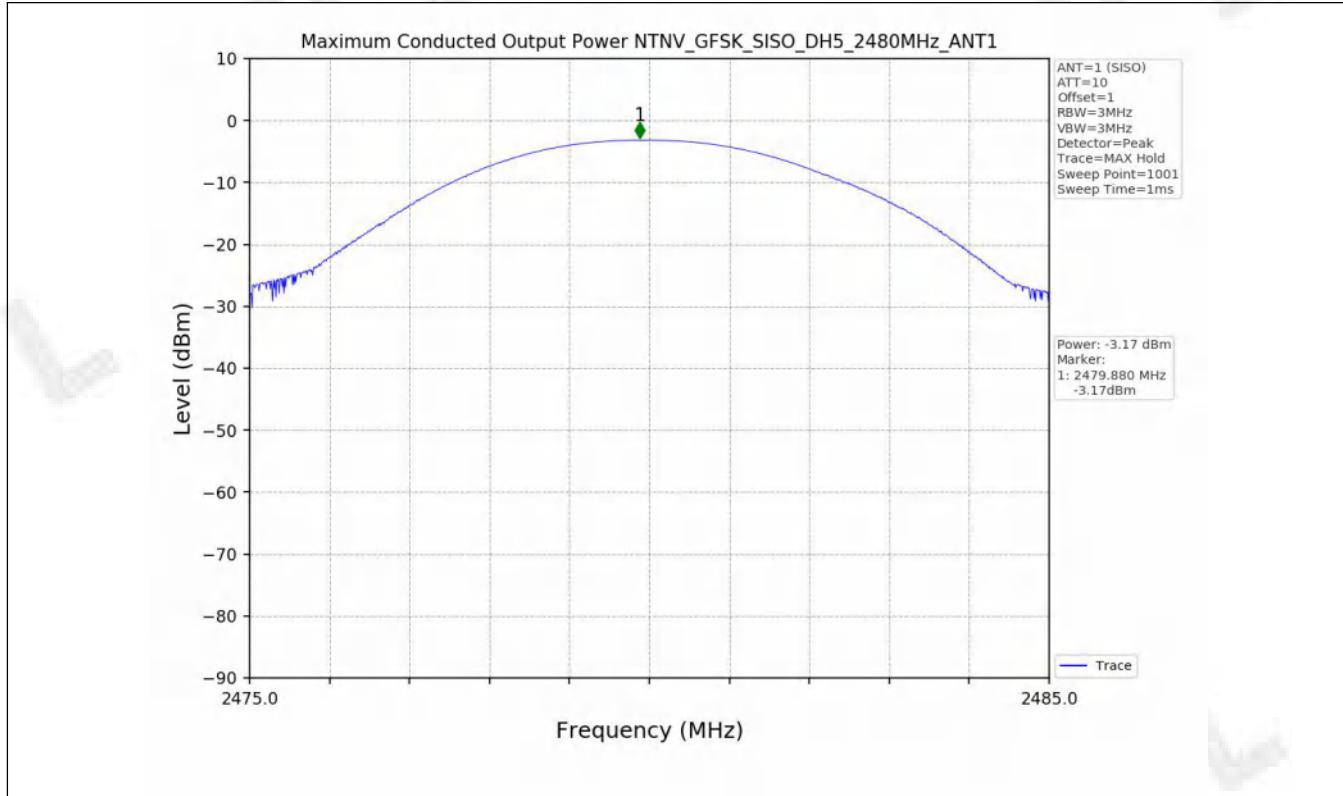
## 2. Maximum Conducted Output Power

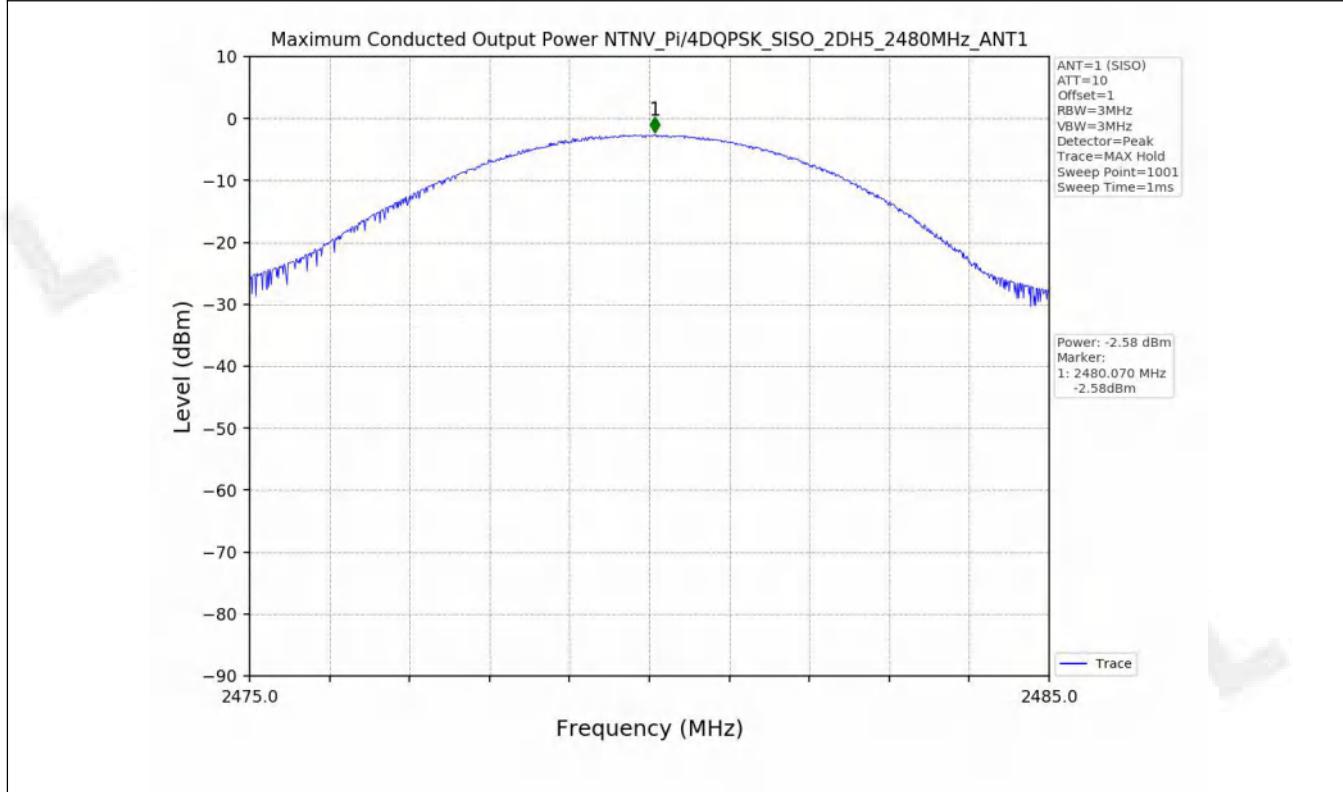
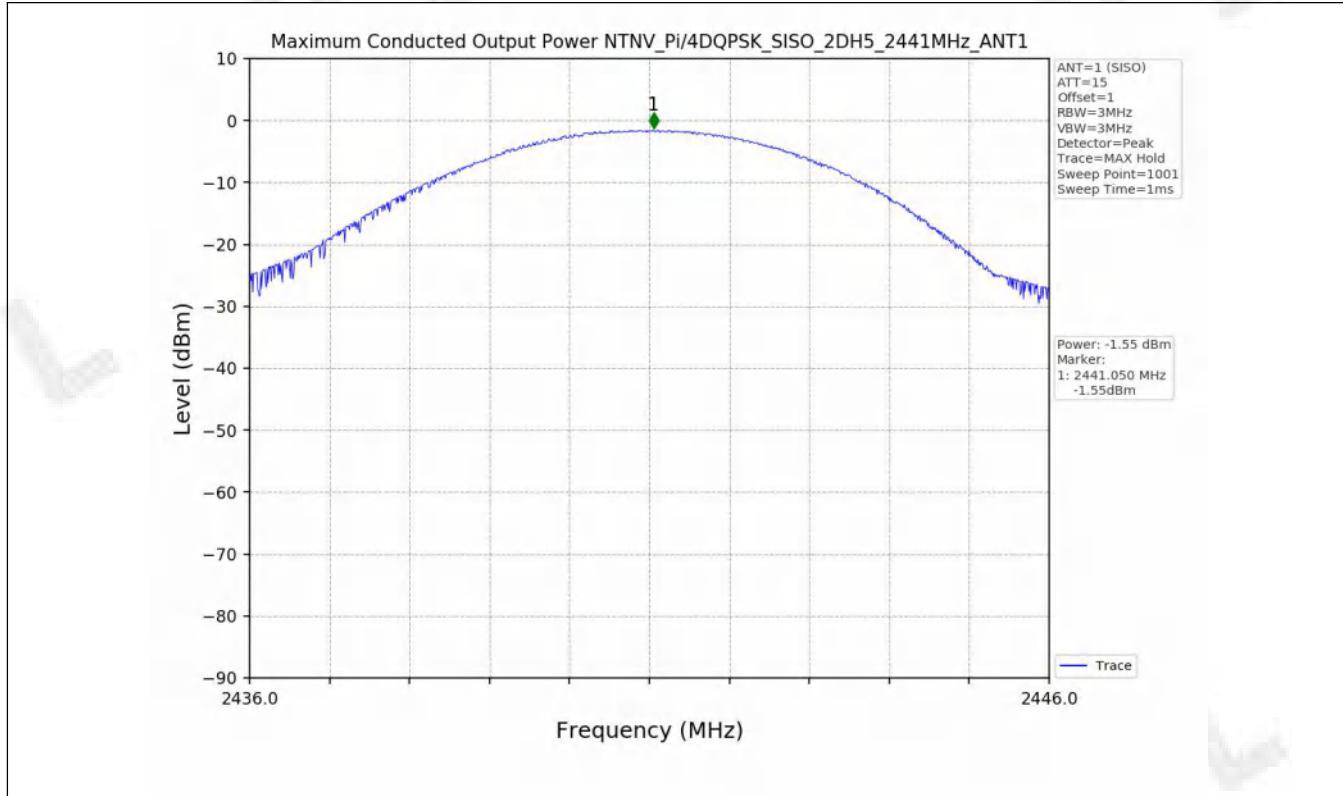
### 2.1 Test Result

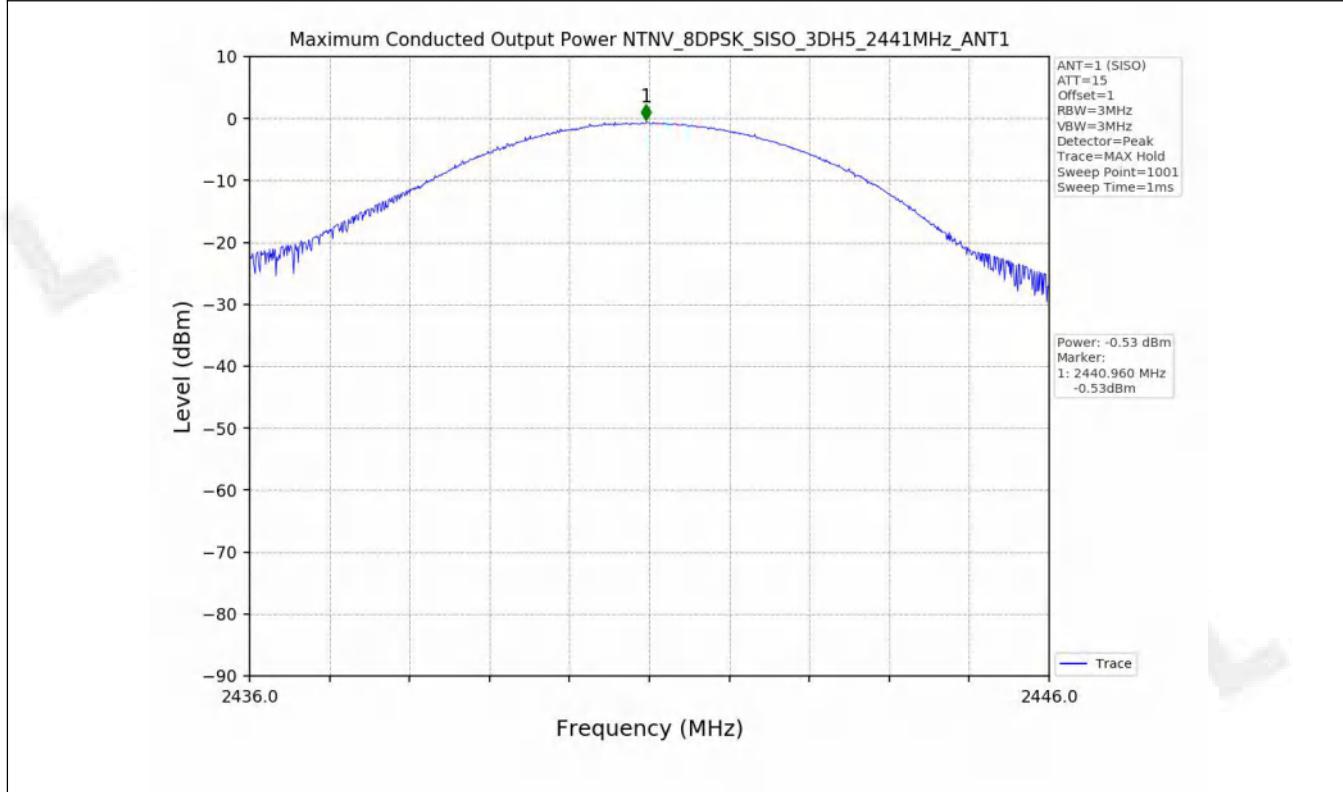
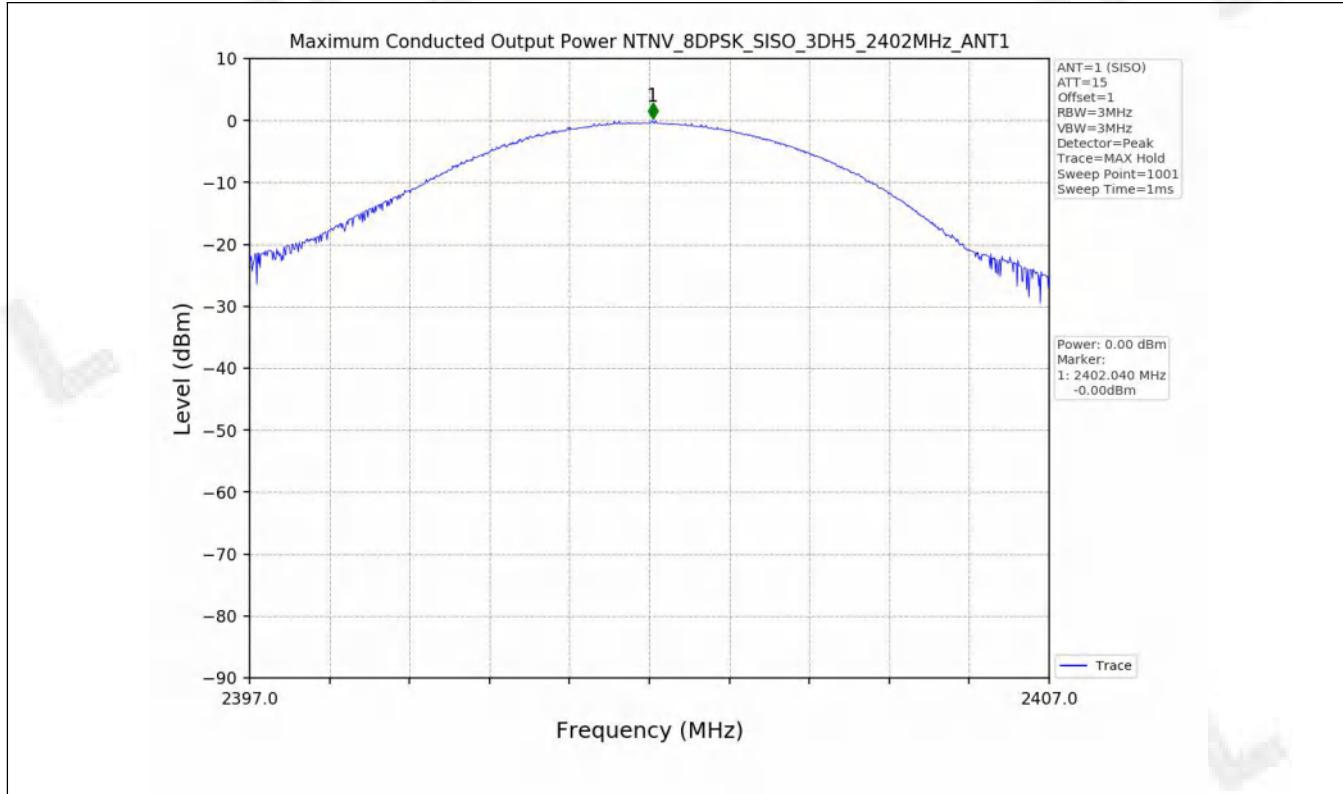
Test Mode	Frequency (MHz)	Tx Type	Measured Peak	Limits (dBm)	Verdict
			Output Power (dBm)		
GFSK	2402	SISO	-1.71	30	PASS
	2441	SISO	-2.07	30	PASS
	2480	SISO	-3.17	30	PASS
Pi/4DQPSK	2402	SISO	-1.36	20.97	PASS
	2441	SISO	-1.55	20.97	PASS
	2480	SISO	-2.58	20.97	PASS
8DPSK	2402	SISO	0.00	20.97	PASS
	2441	SISO	-0.53	20.97	PASS
	2480	SISO	-1.25	20.97	PASS

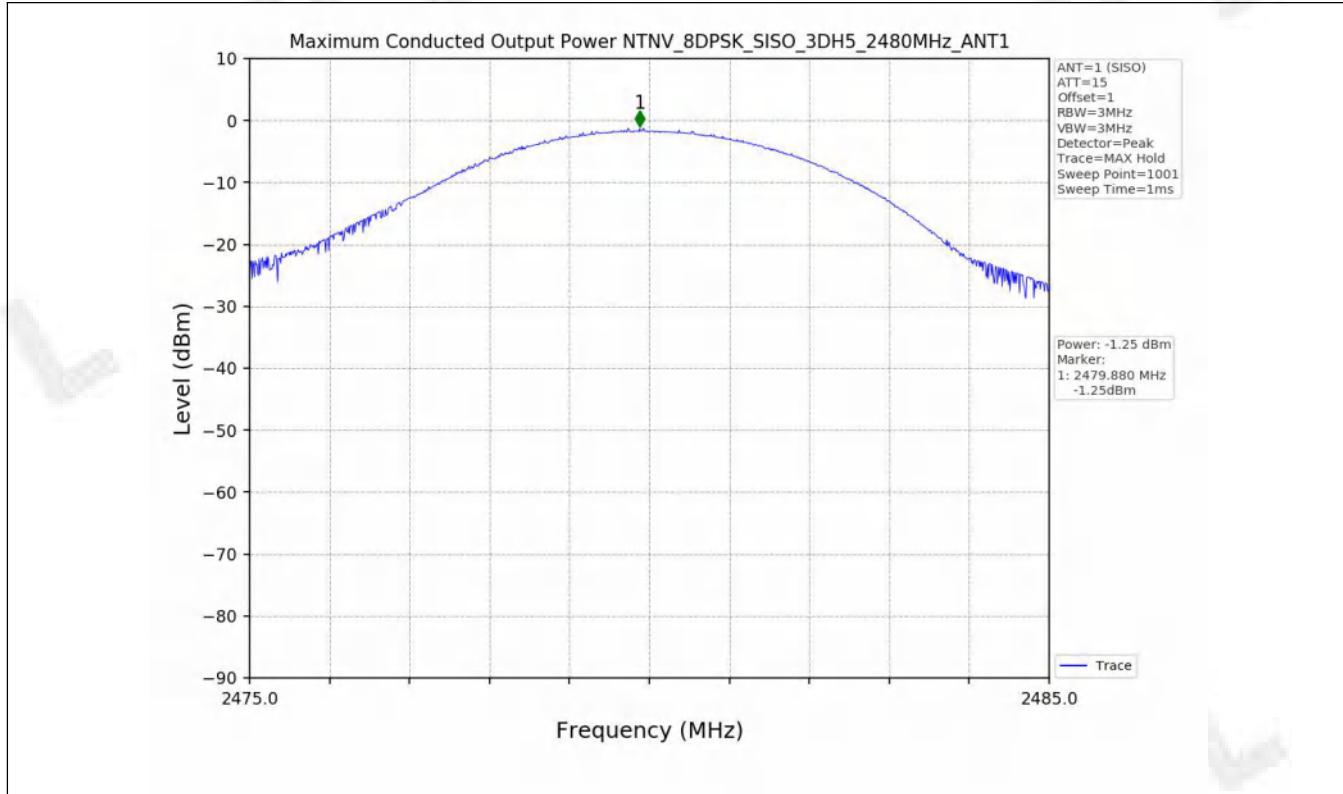
### 2.2 Test Graph









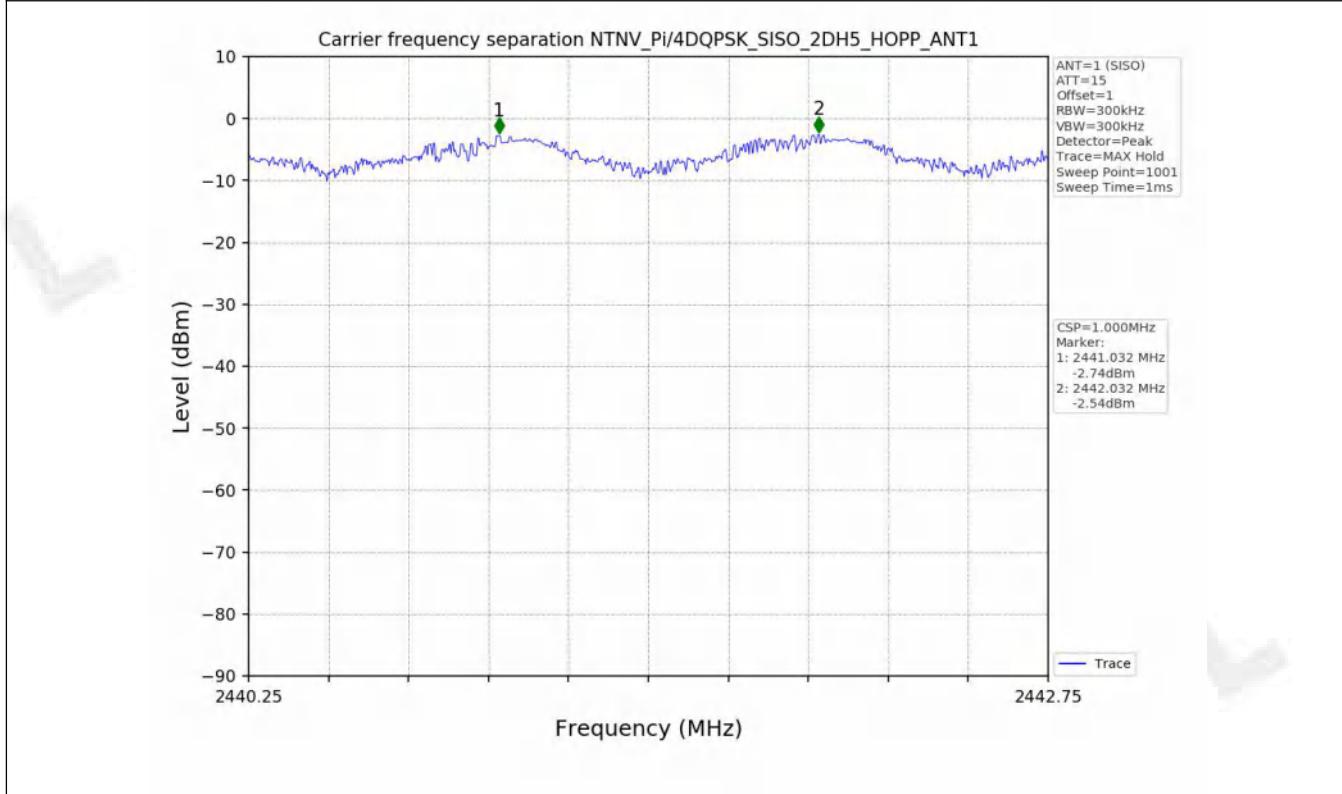
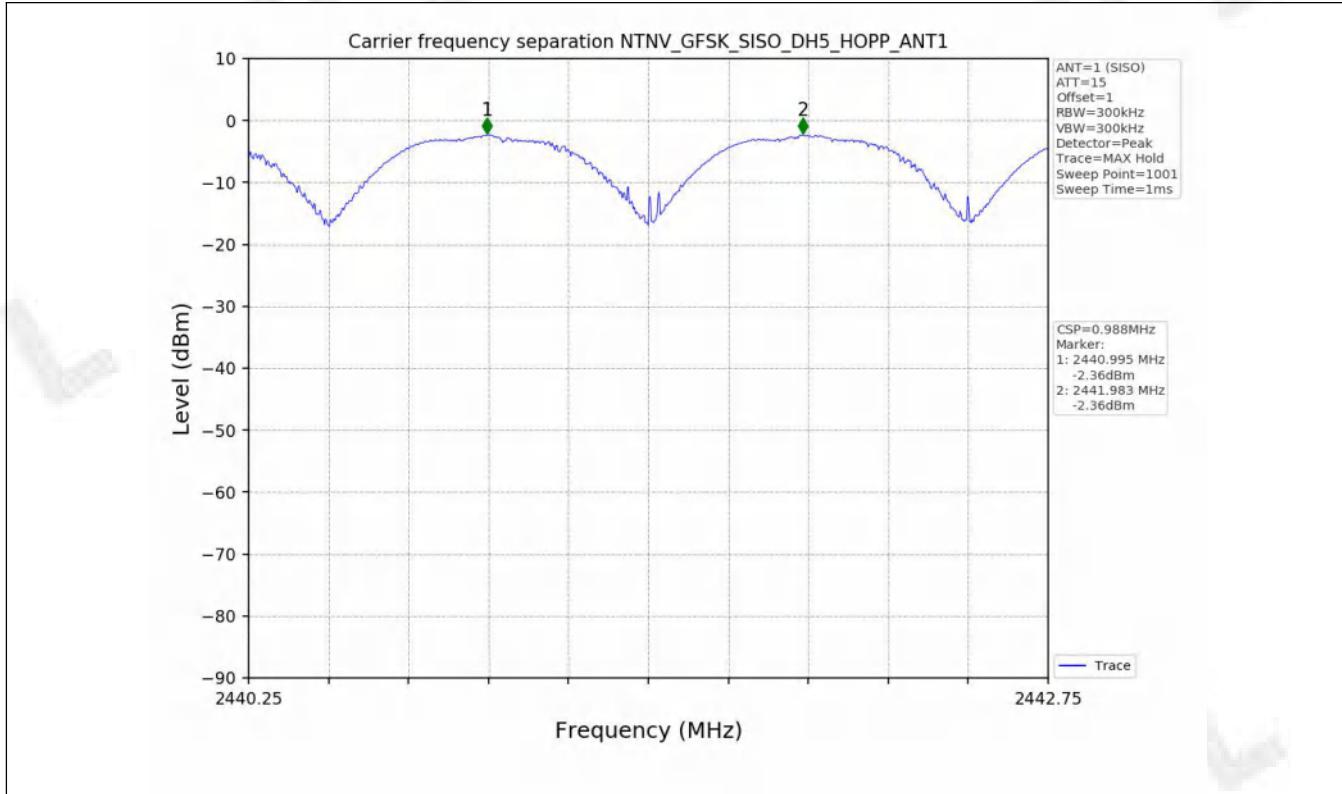


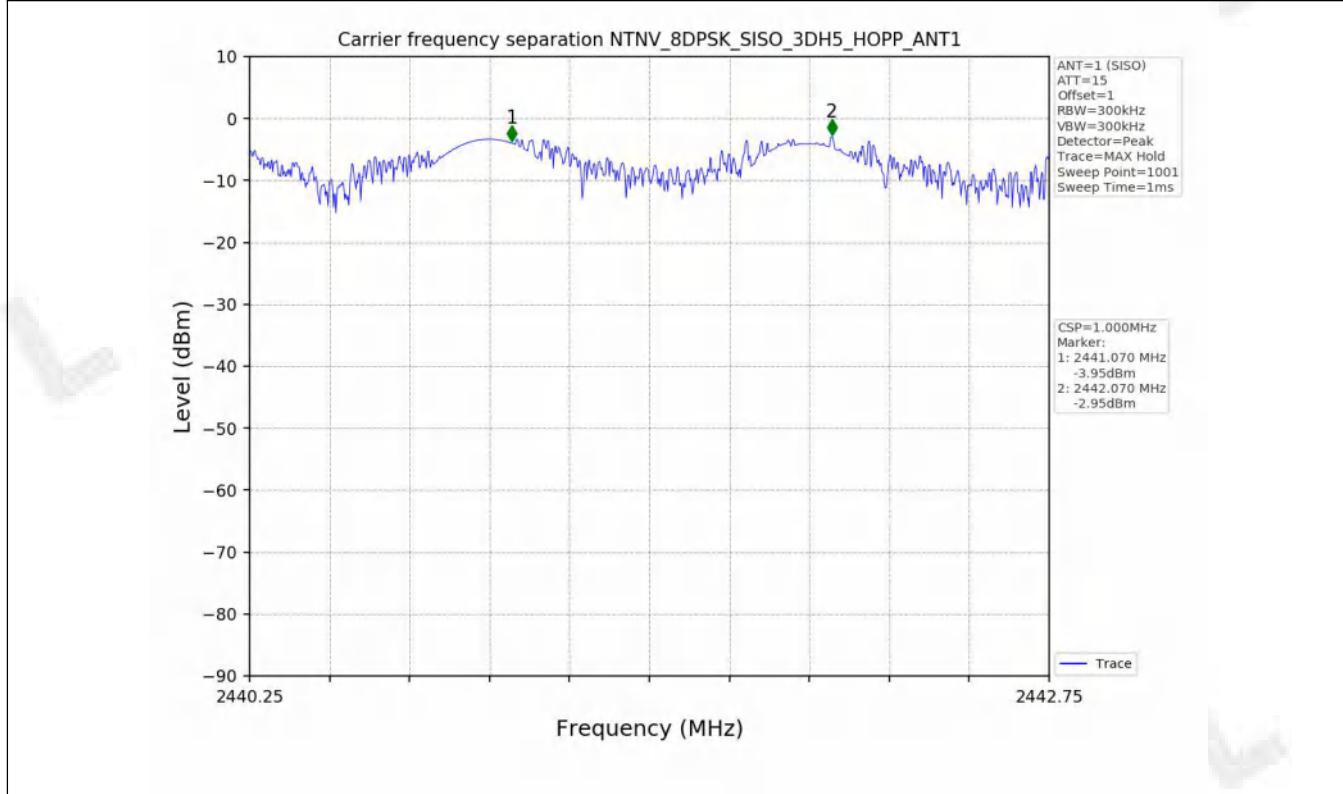
### 3. Carrier frequency separation

#### 3.1 Test Result

Test Mode	TX Type	ANT No.	Channel Separation (MHz)	20dB Bandwidth (MHz)	Limits (MHz)	Verdict
GFSK	SISO	1	0.988	0.945	$\geq 0.945$	PASS
Pi/4DQPSK	SISO	1	1.000	1.273	$\geq 0.849$	PASS
8DPSK	SISO	1	1.000	1.257	$\geq 0.838$	PASS

#### 3.2 Test Graph



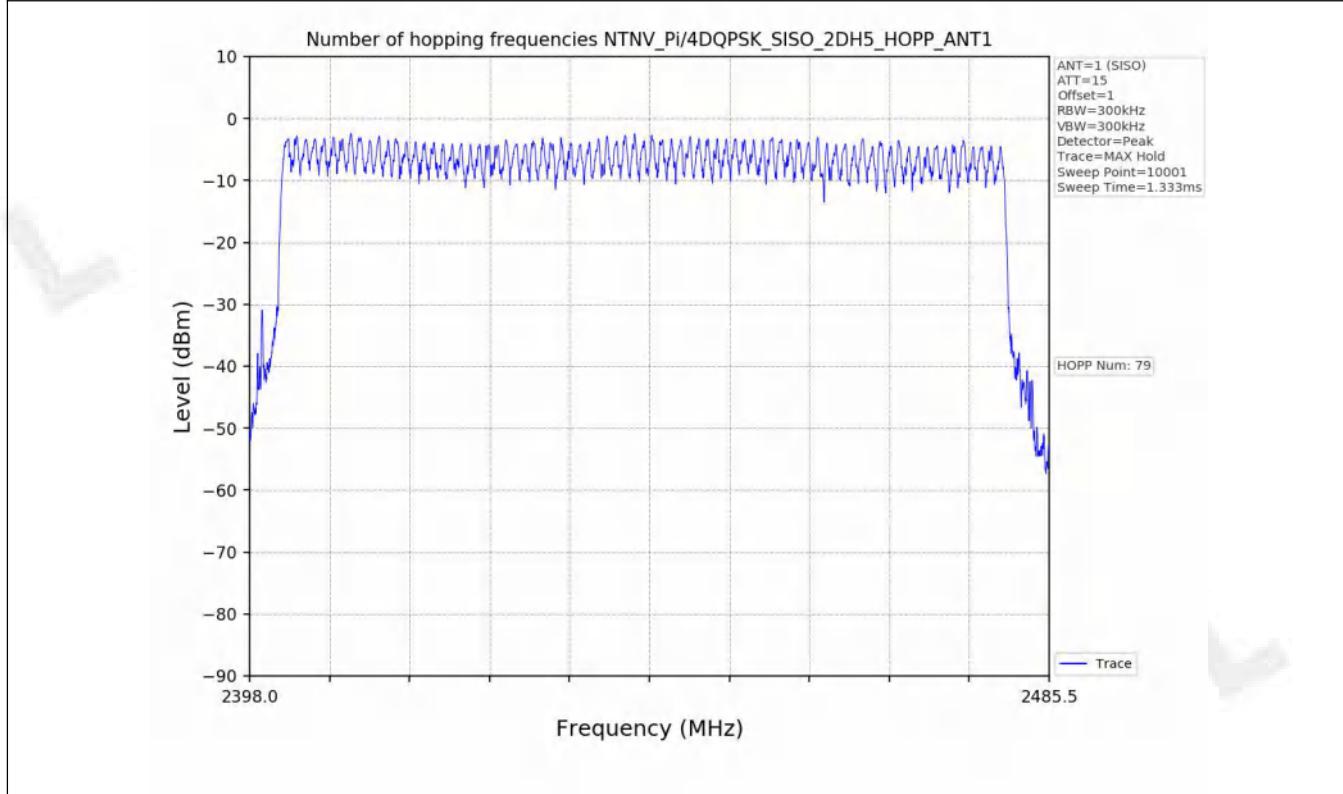
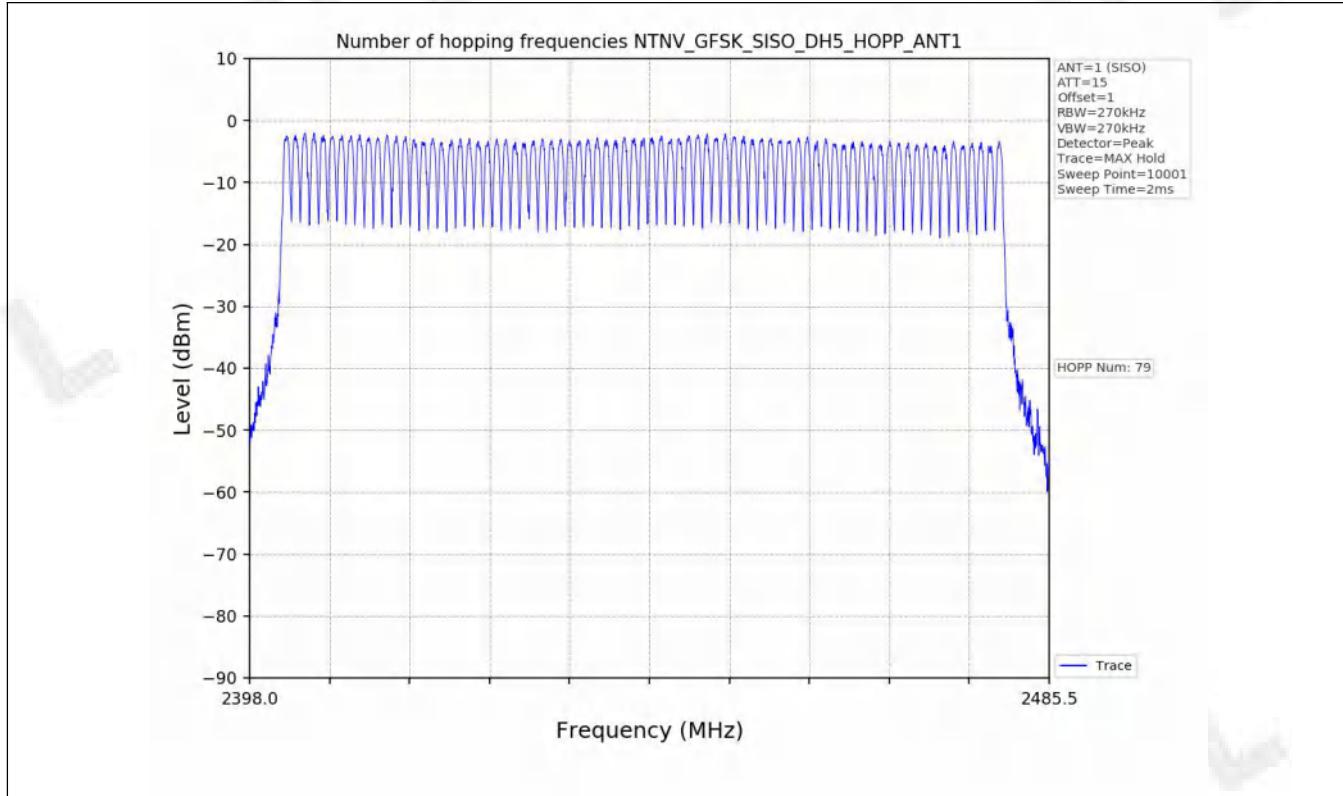


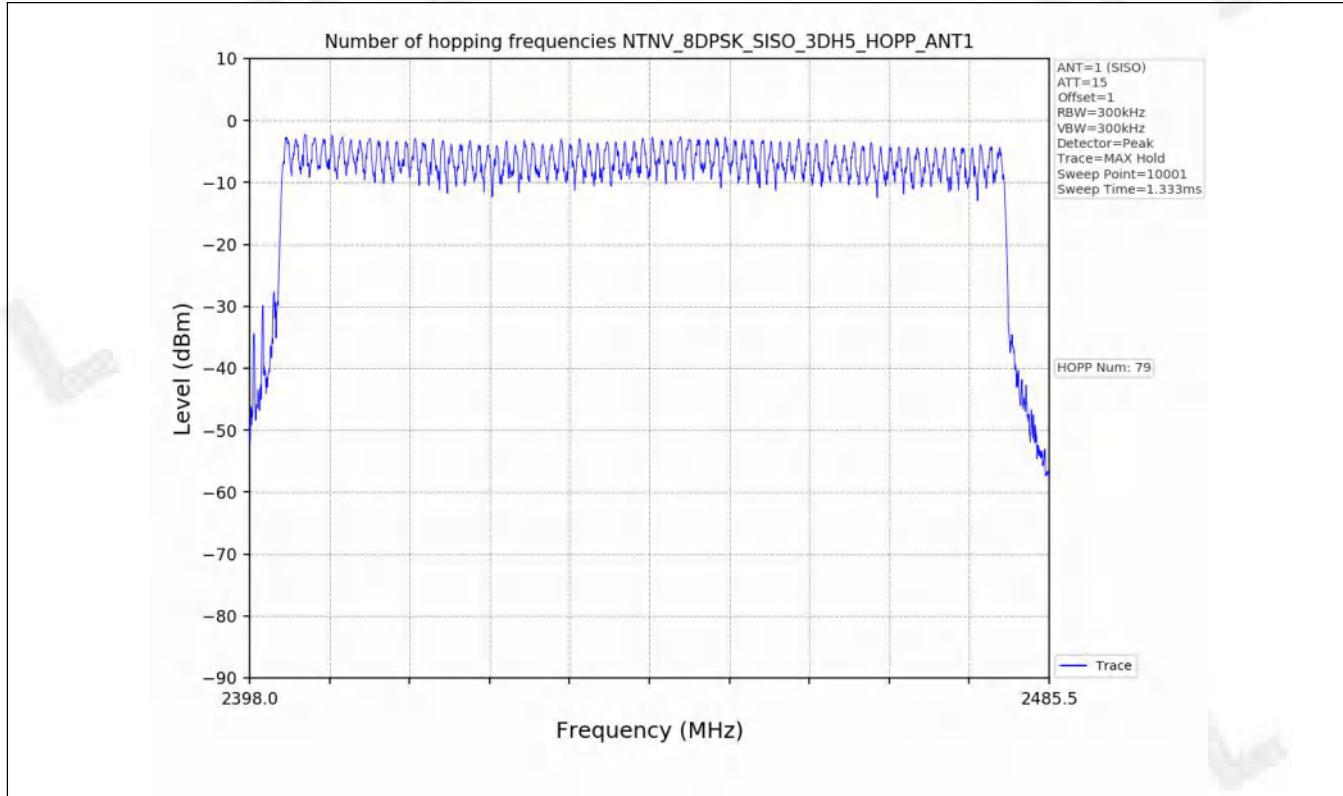
## 4. Number of hopping frequencies

### 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



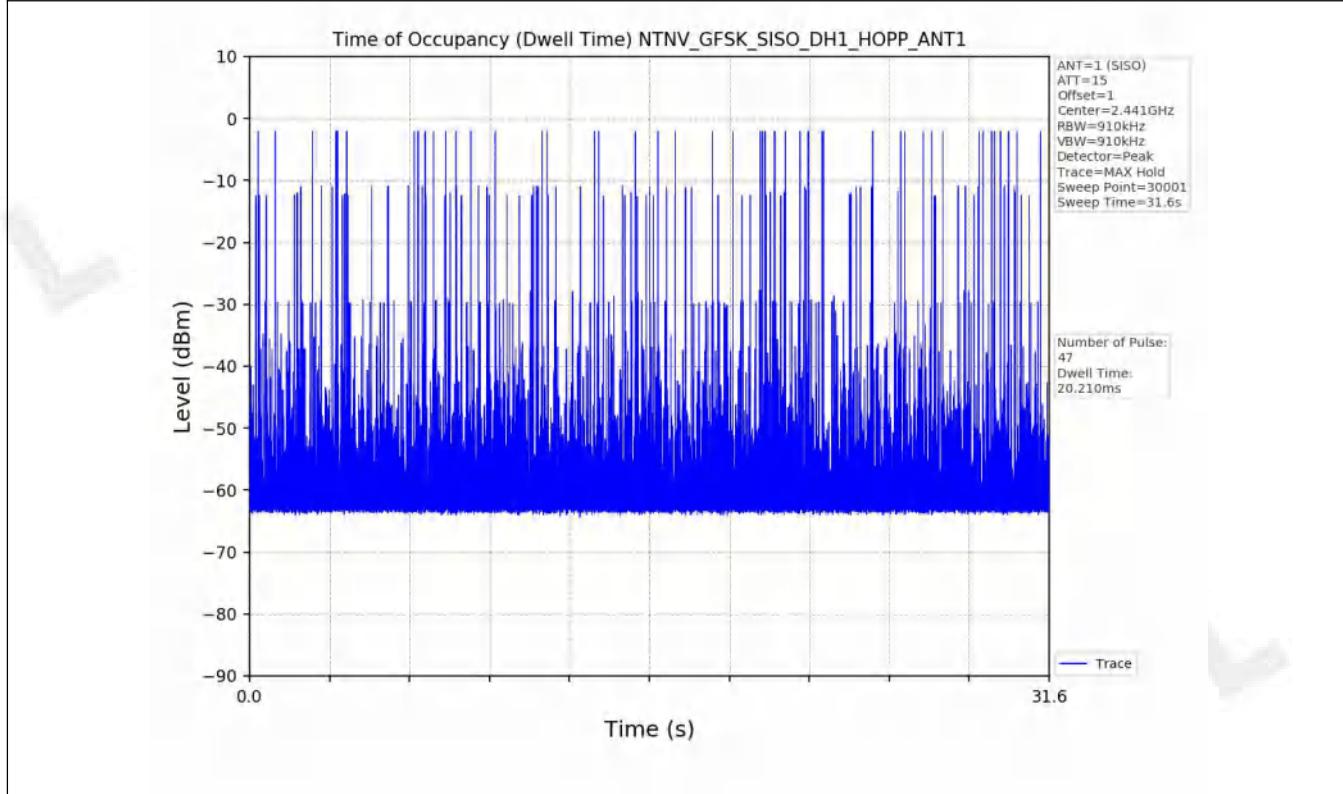
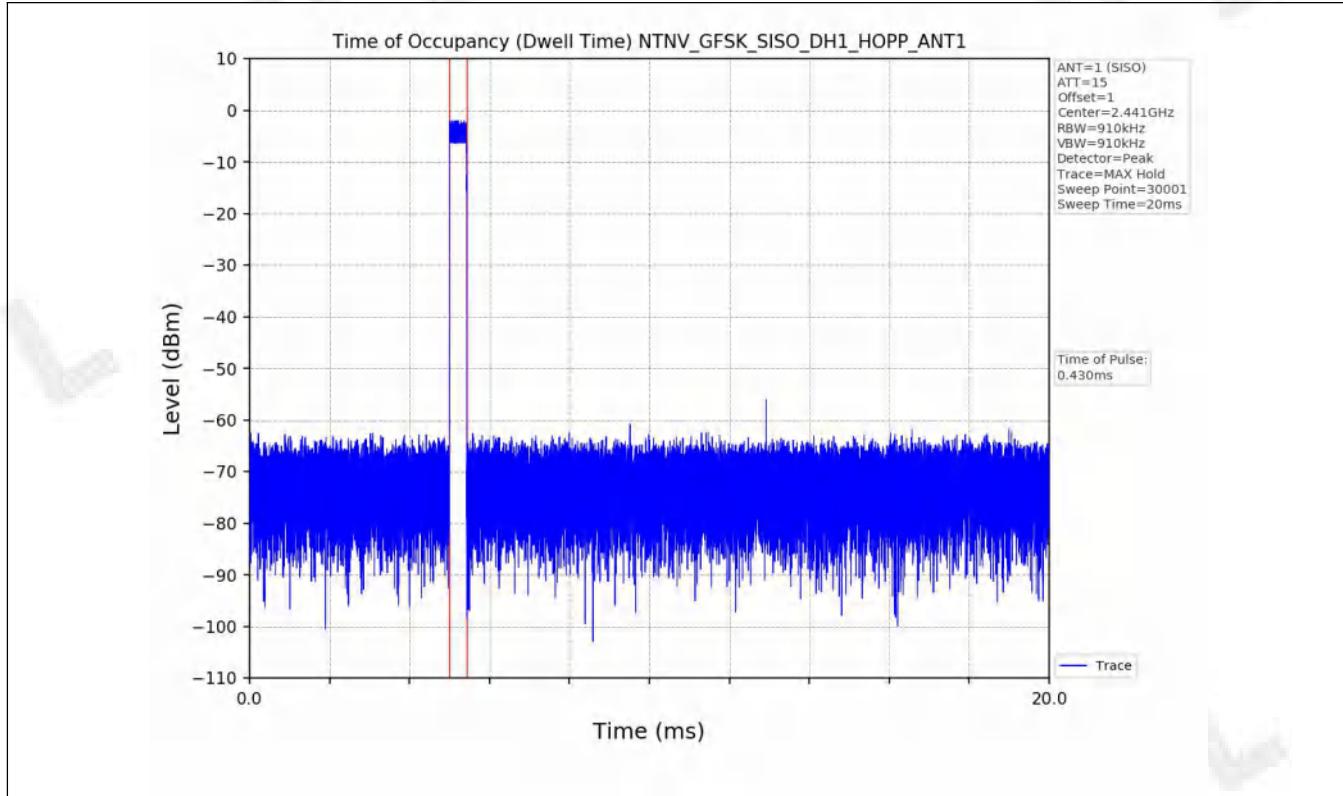


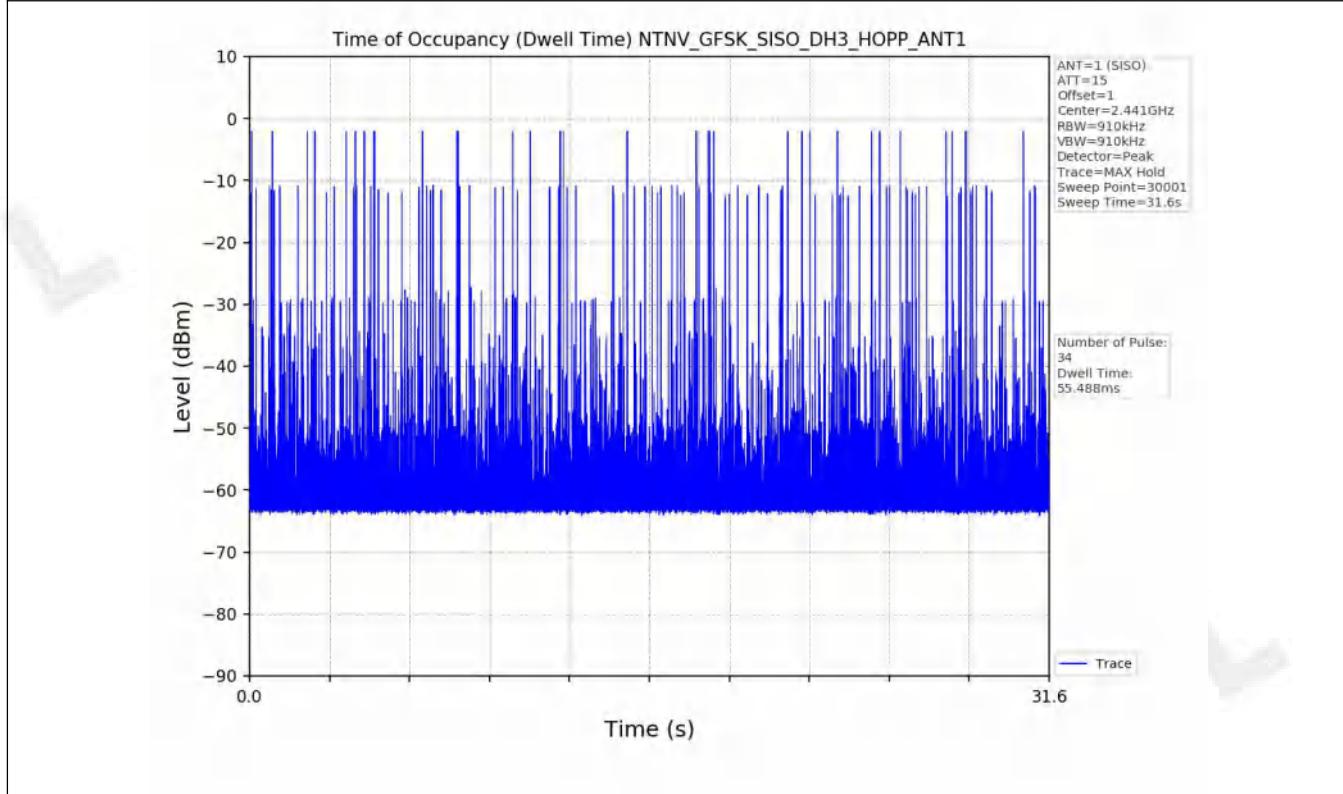
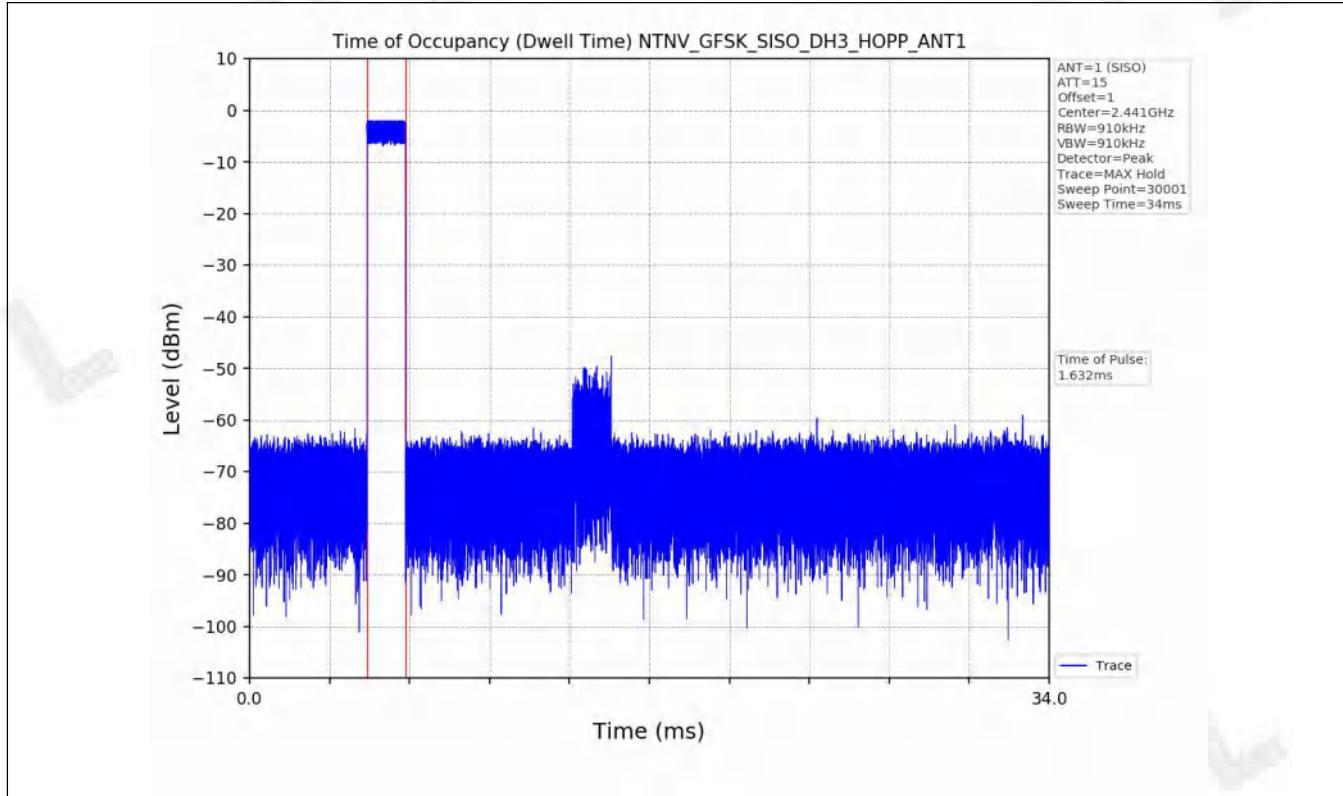
## 5. Time of Occupancy (Dwell Time)

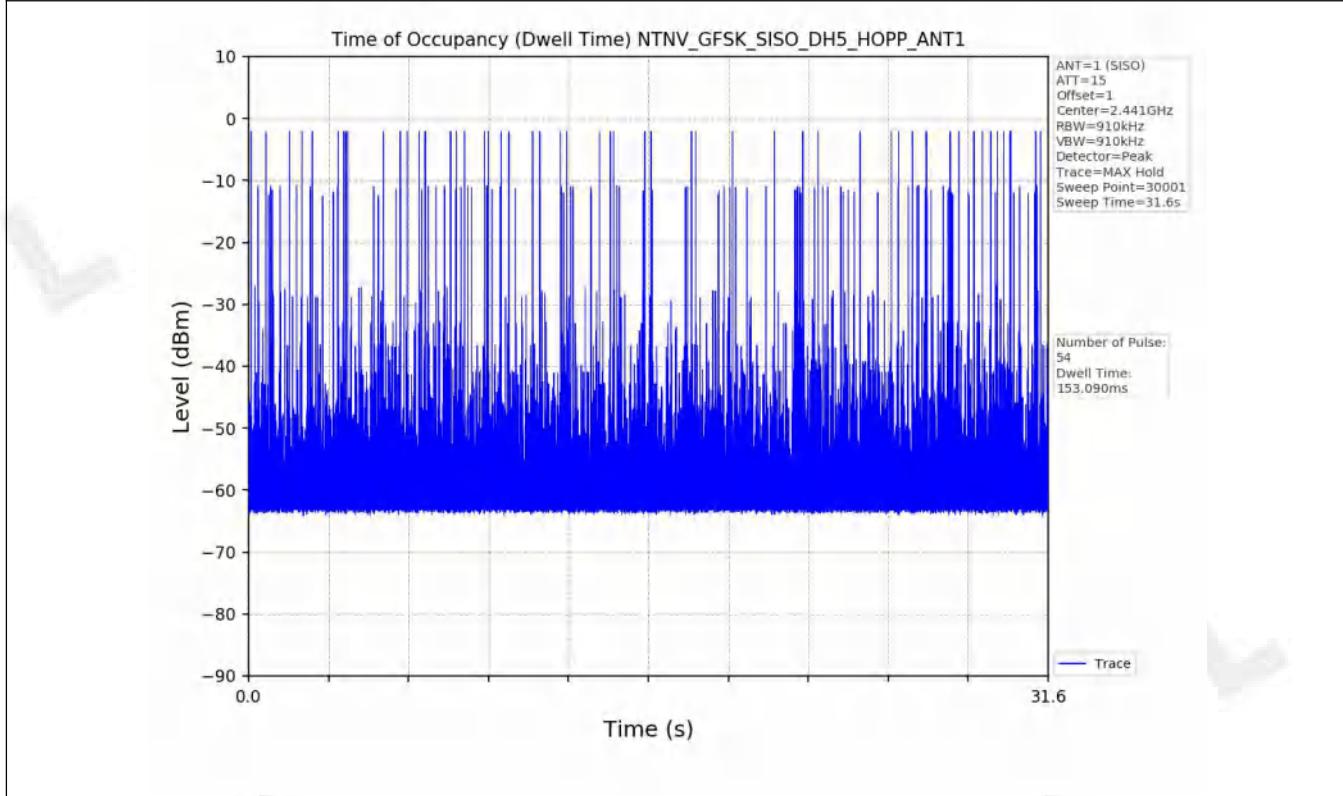
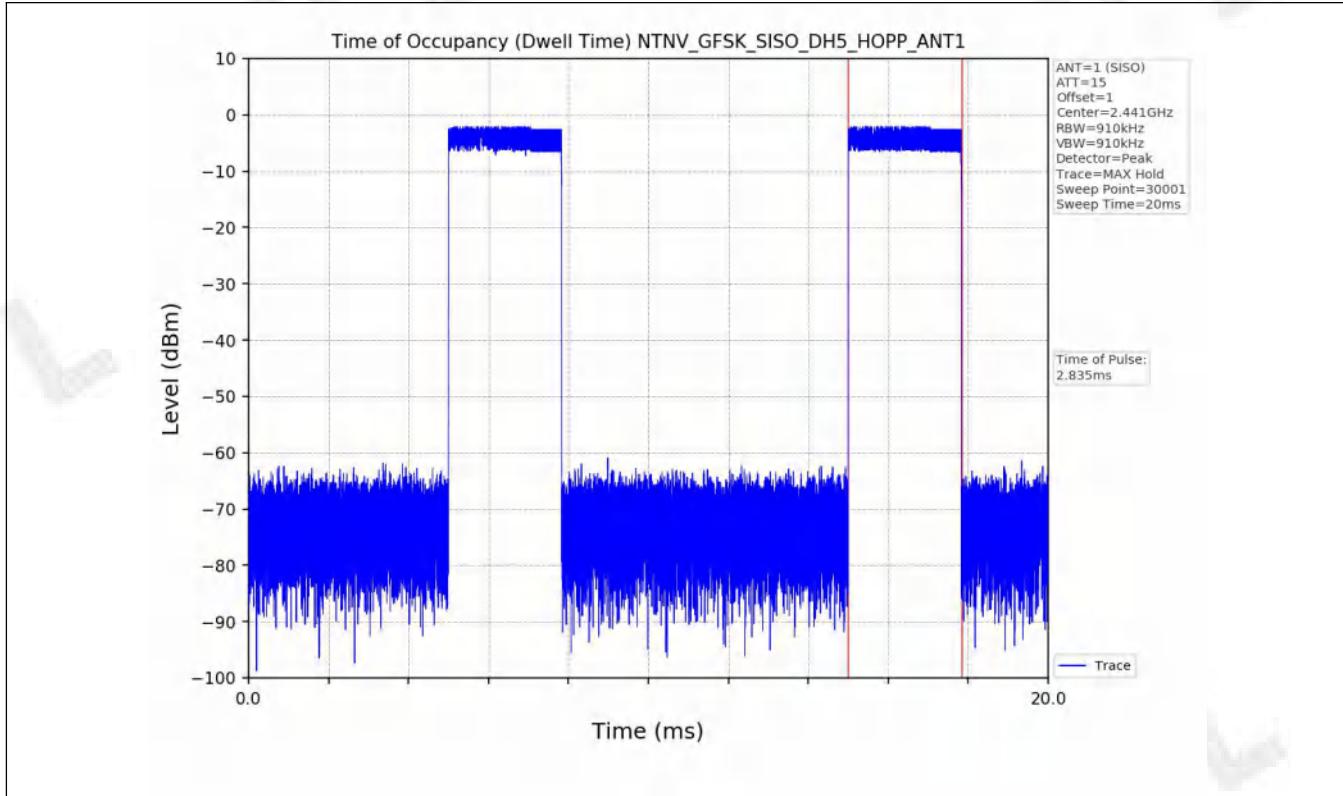
### 5.1 Test Result

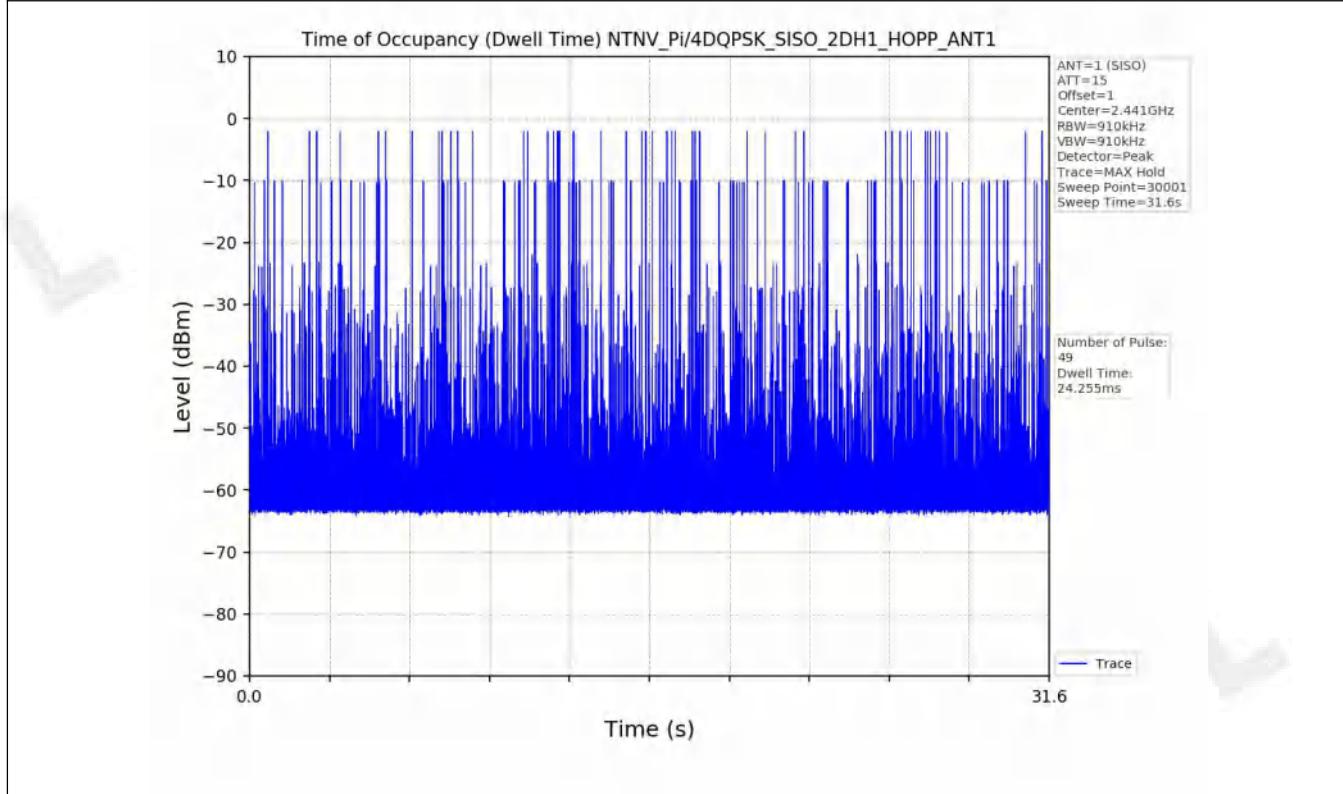
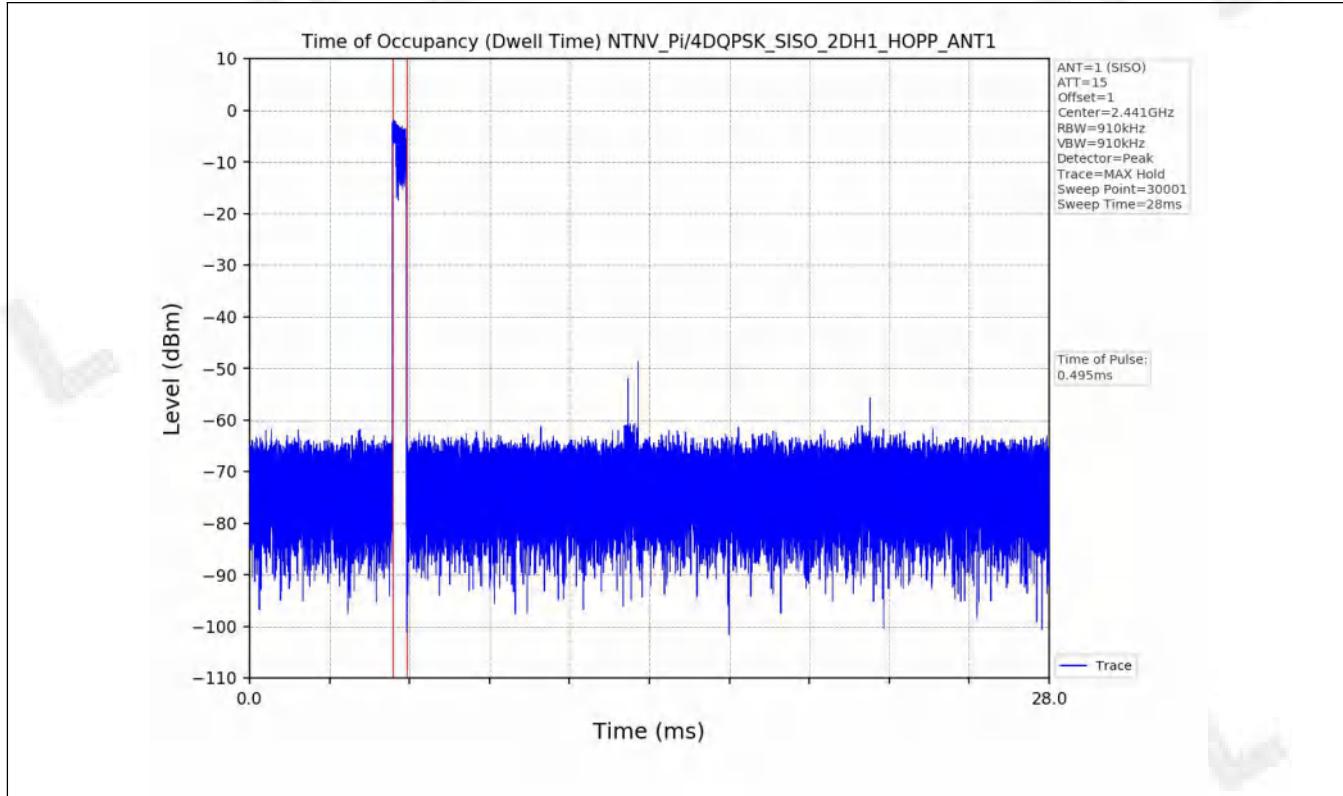
Test Mode	Packet Type	TX Type	ANT No.	Duration of Single Pulse (ms)	Observation Period (s)	Num of Pulse in Observation Period	Dwell Time (ms)	Limits (ms)	Verdict
GFSK	DH1	SISO	1	0.430	31.6	47	20.210	≤400	PASS
	DH3	SISO	1	1.632	31.6	34	55.488	≤400	PASS
	DH5	SISO	1	2.835	31.6	54	153.090	≤400	PASS
Pi/4DQPSK	2DH1	SISO	1	0.495	31.6	49	24.255	≤400	PASS
	2DH3	SISO	1	1.694	31.6	35	59.290	≤400	PASS
	2DH5	SISO	1	2.825	31.6	23	64.975	≤400	PASS
8DPSK	3DH1	SISO	1	0.421	31.6	52	21.892	≤400	PASS
	3DH3	SISO	1	1.674	31.6	41	68.634	≤400	PASS
	3DH5	SISO	1	2.767	31.6	46	127.282	≤400	PASS

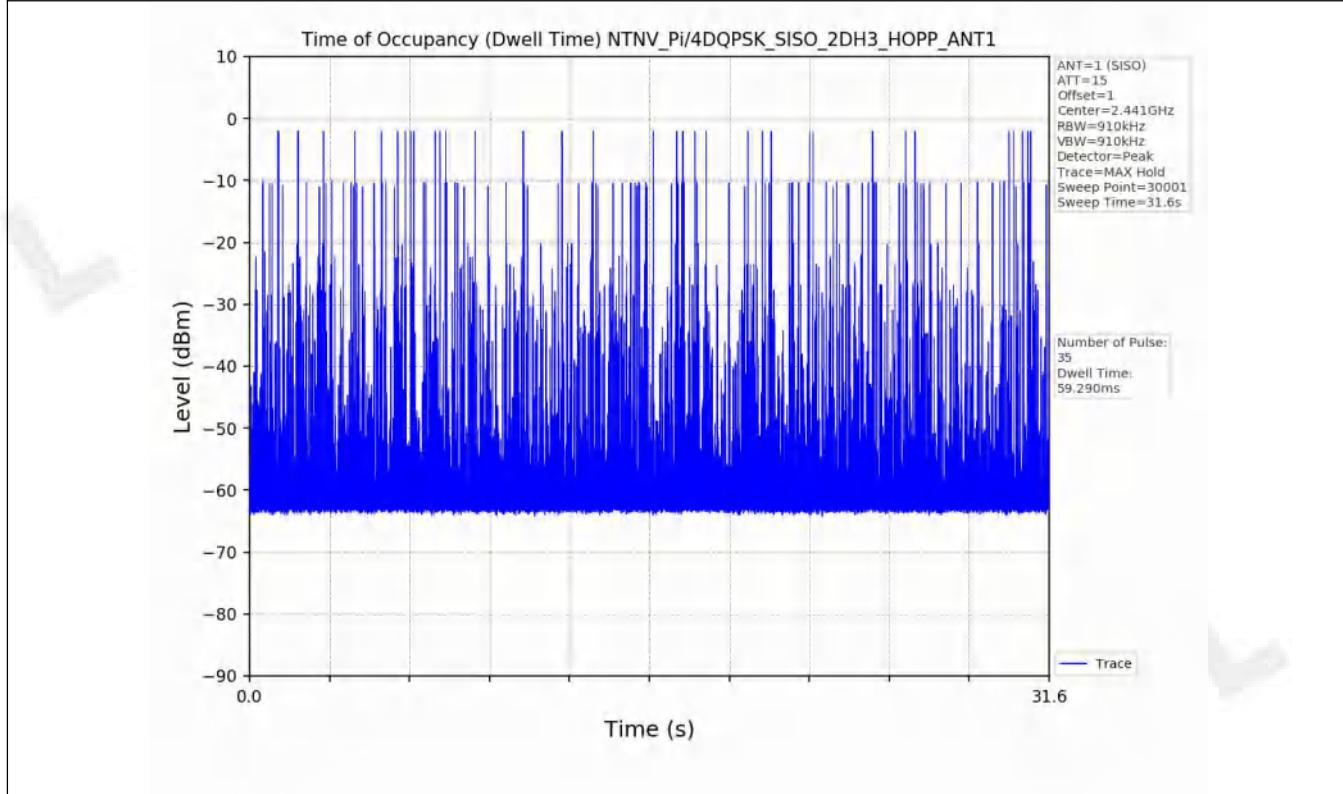
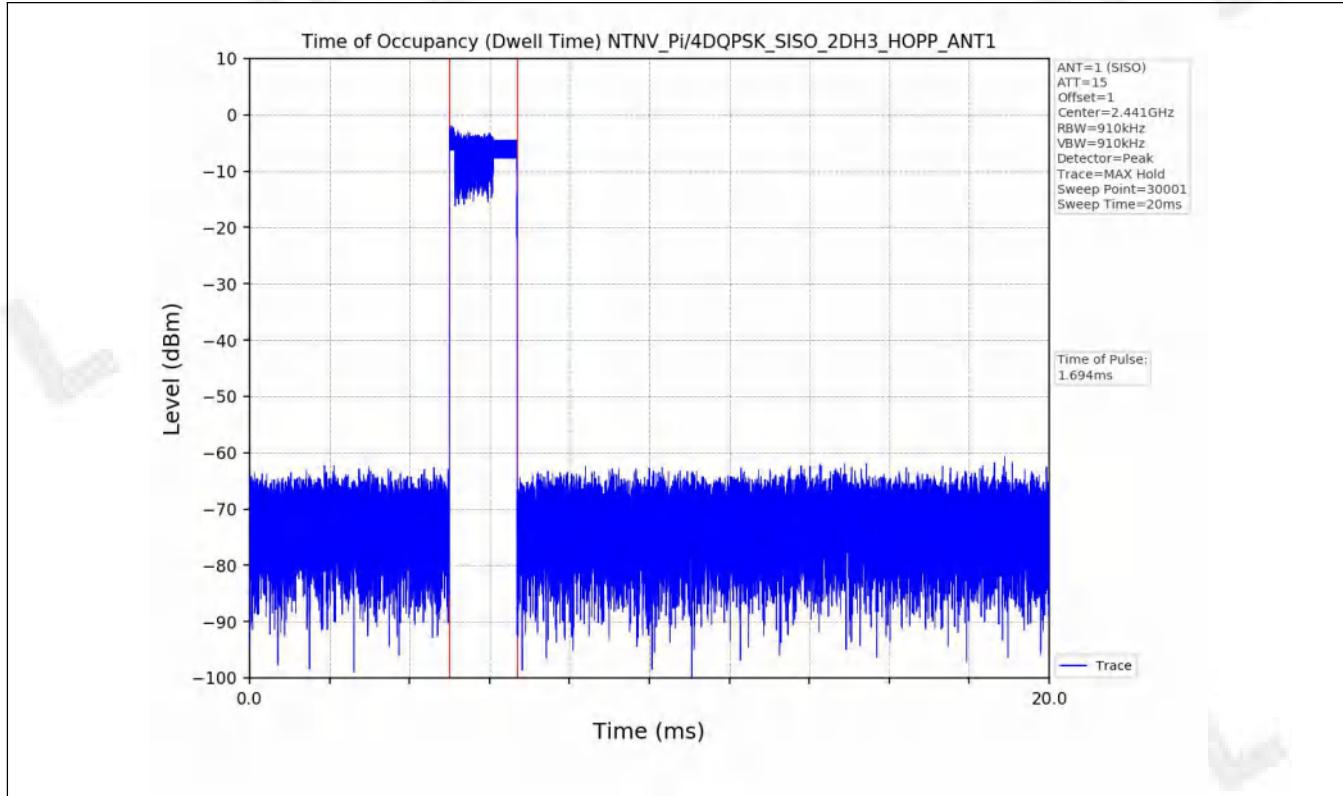
### 5.2 Test Graph

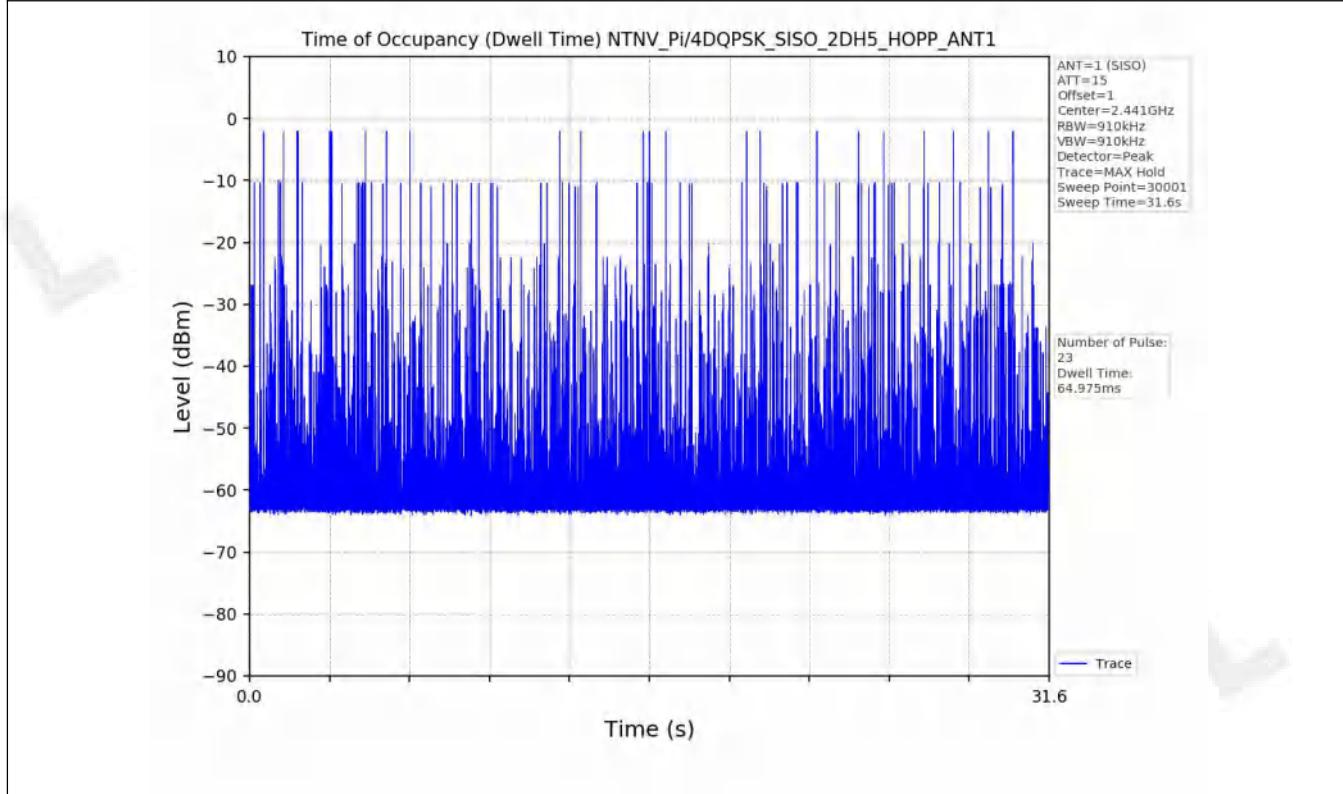
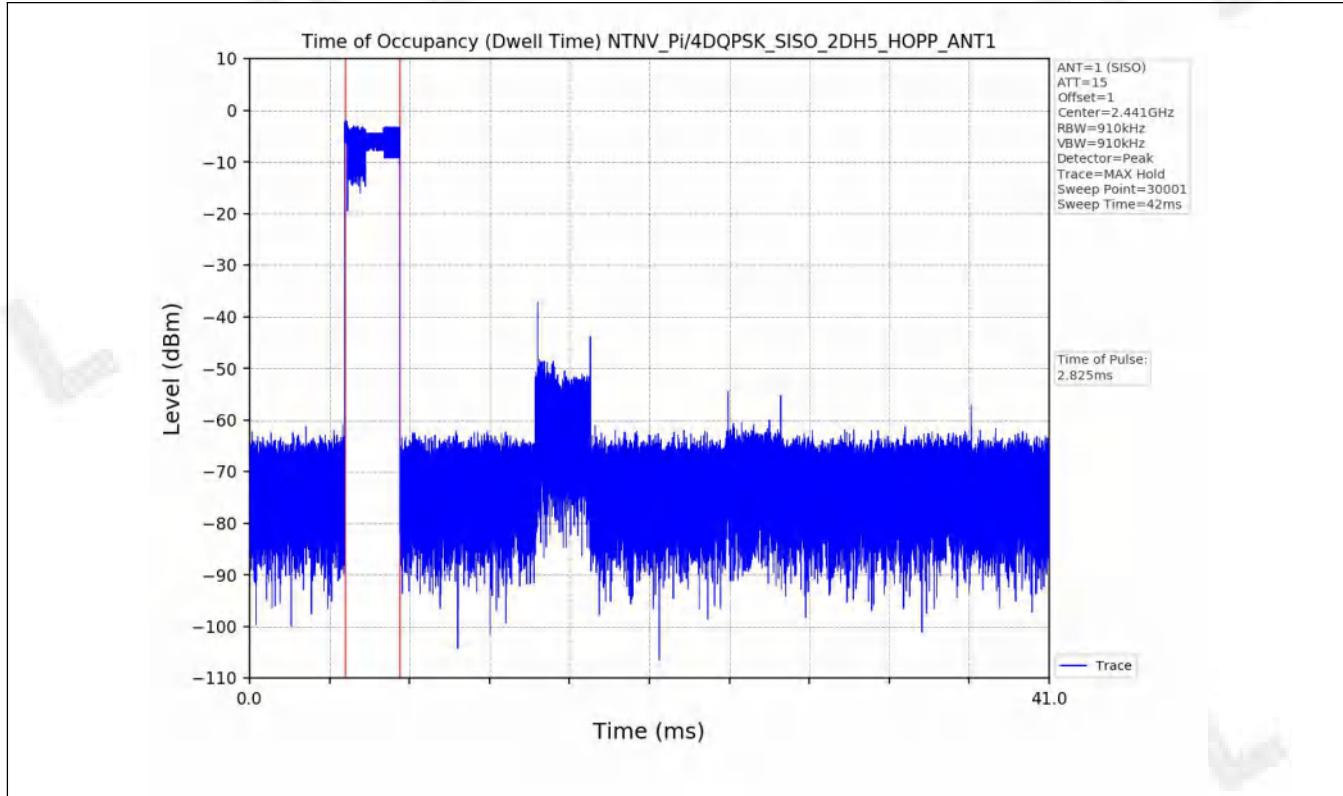


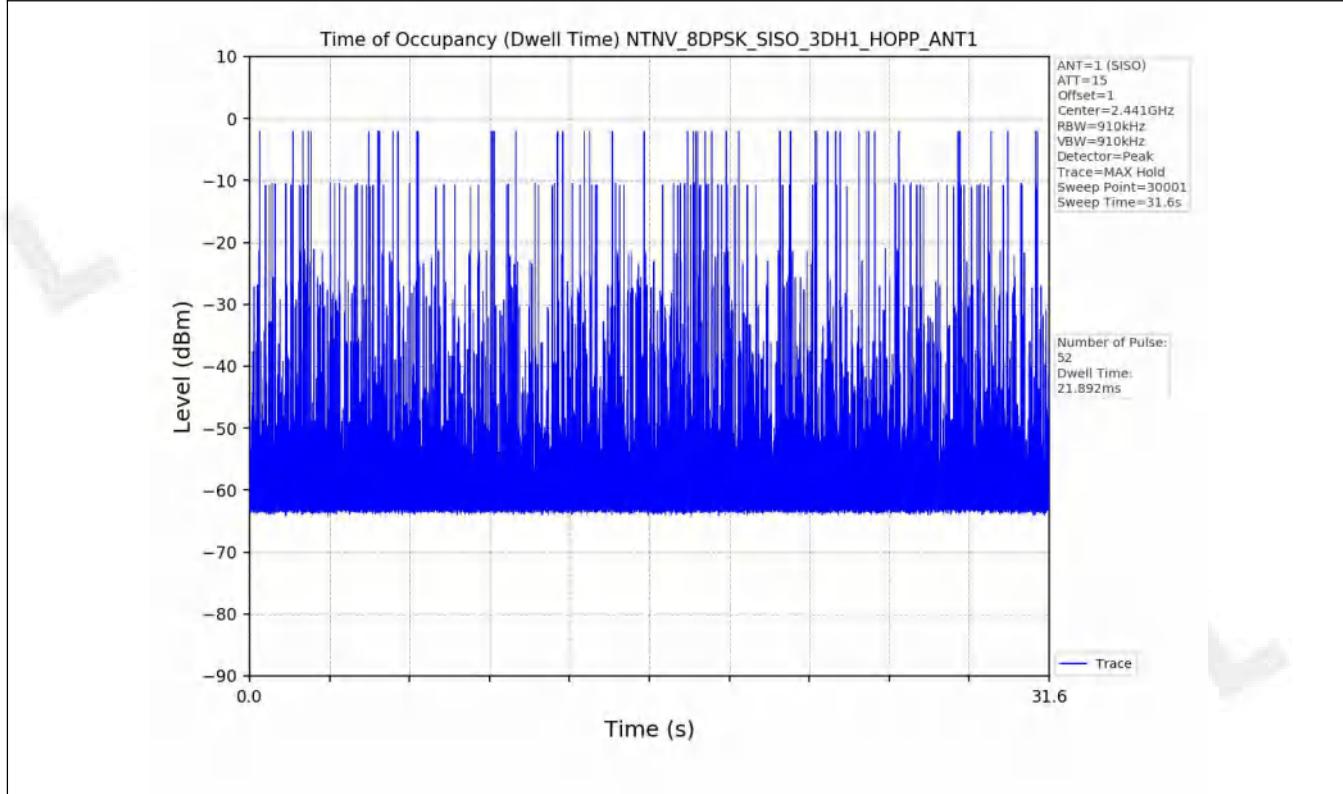
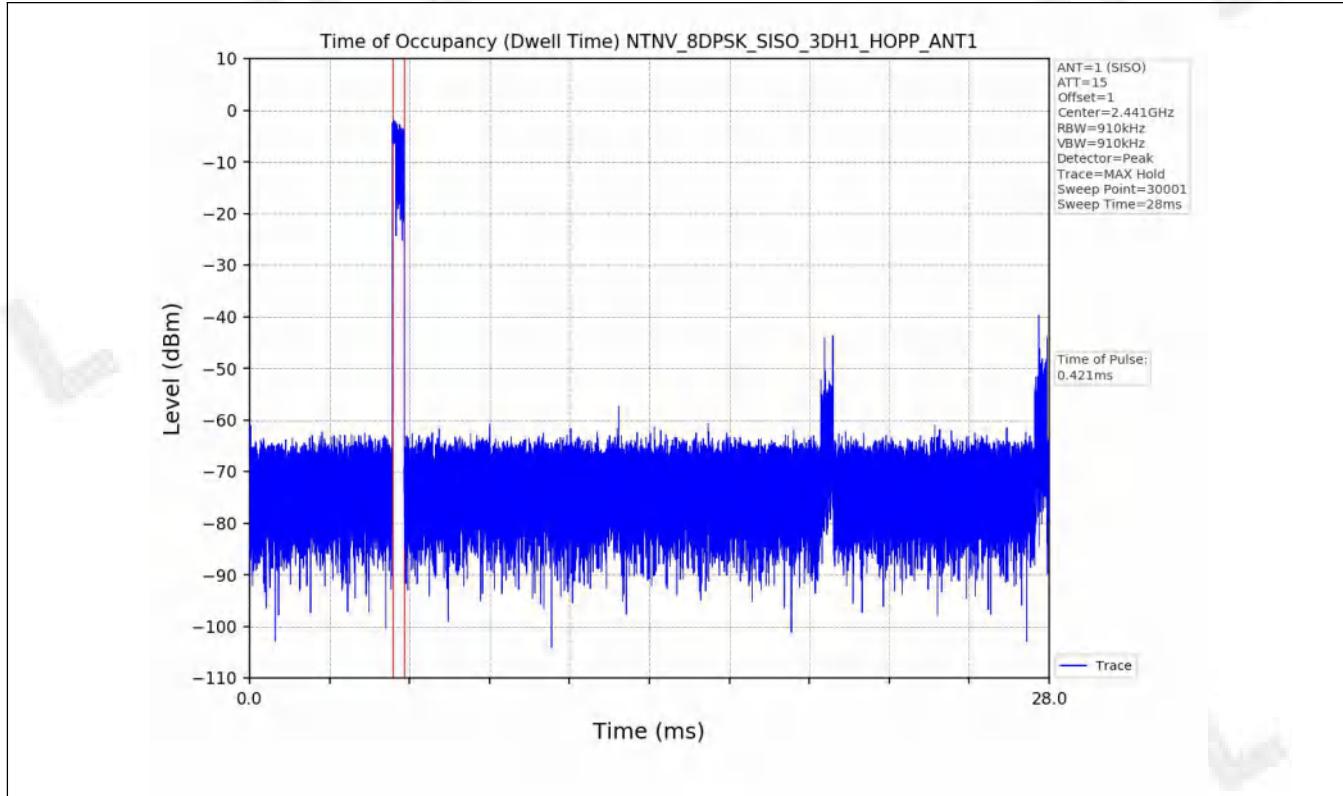


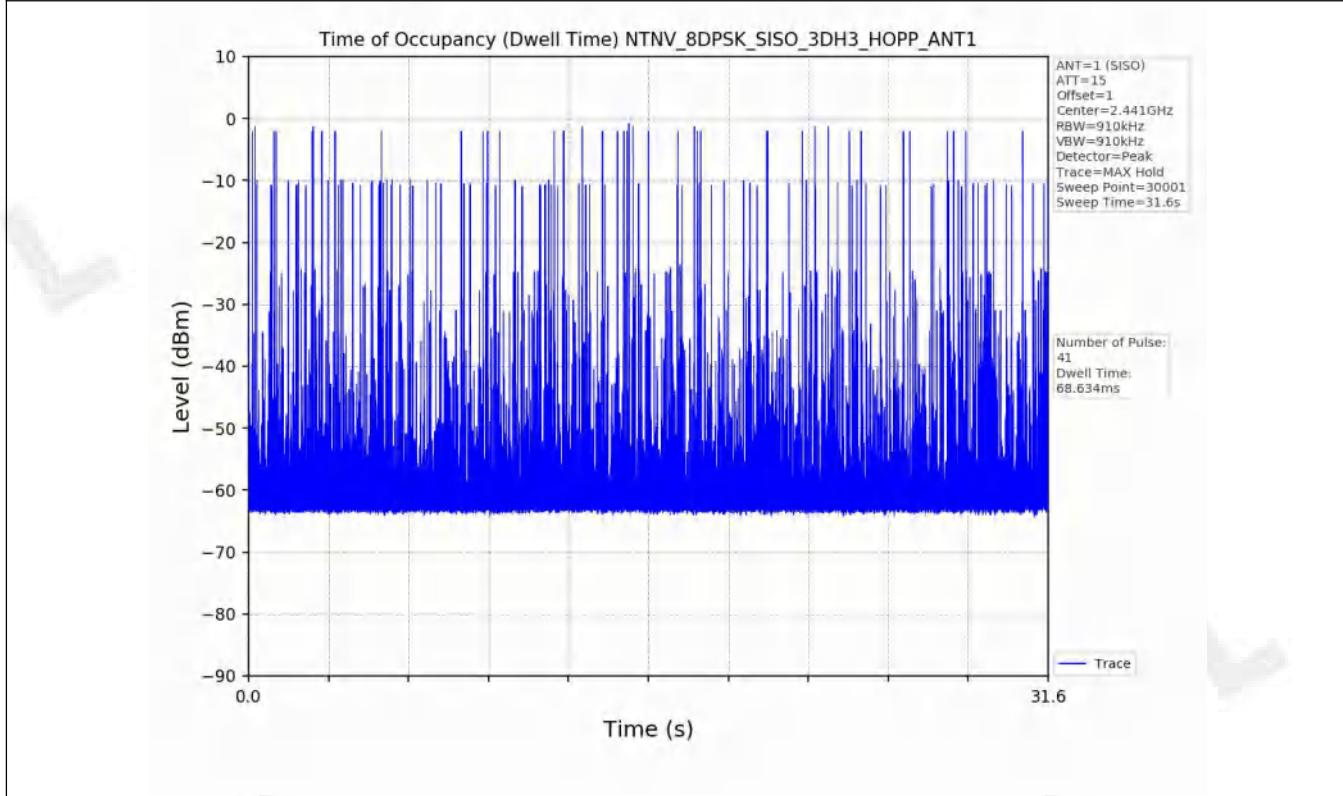
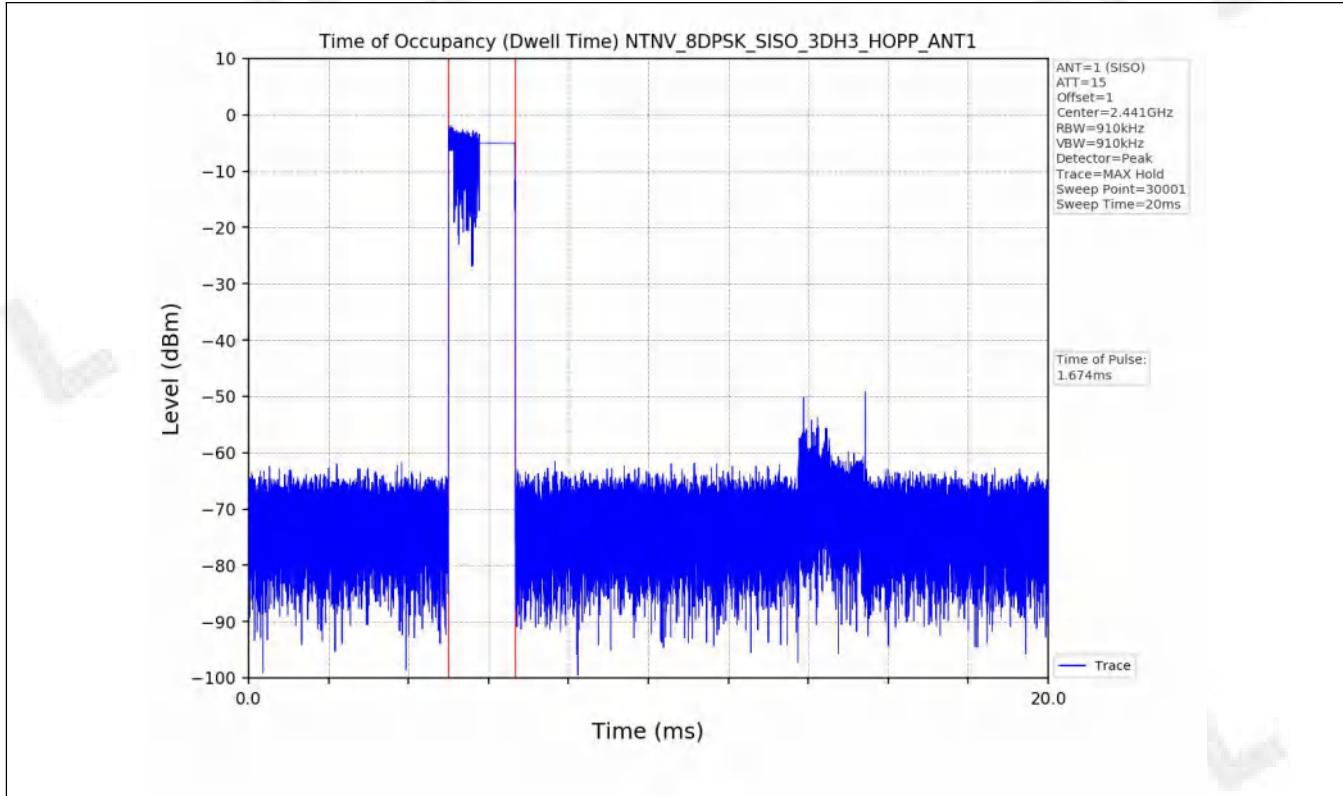


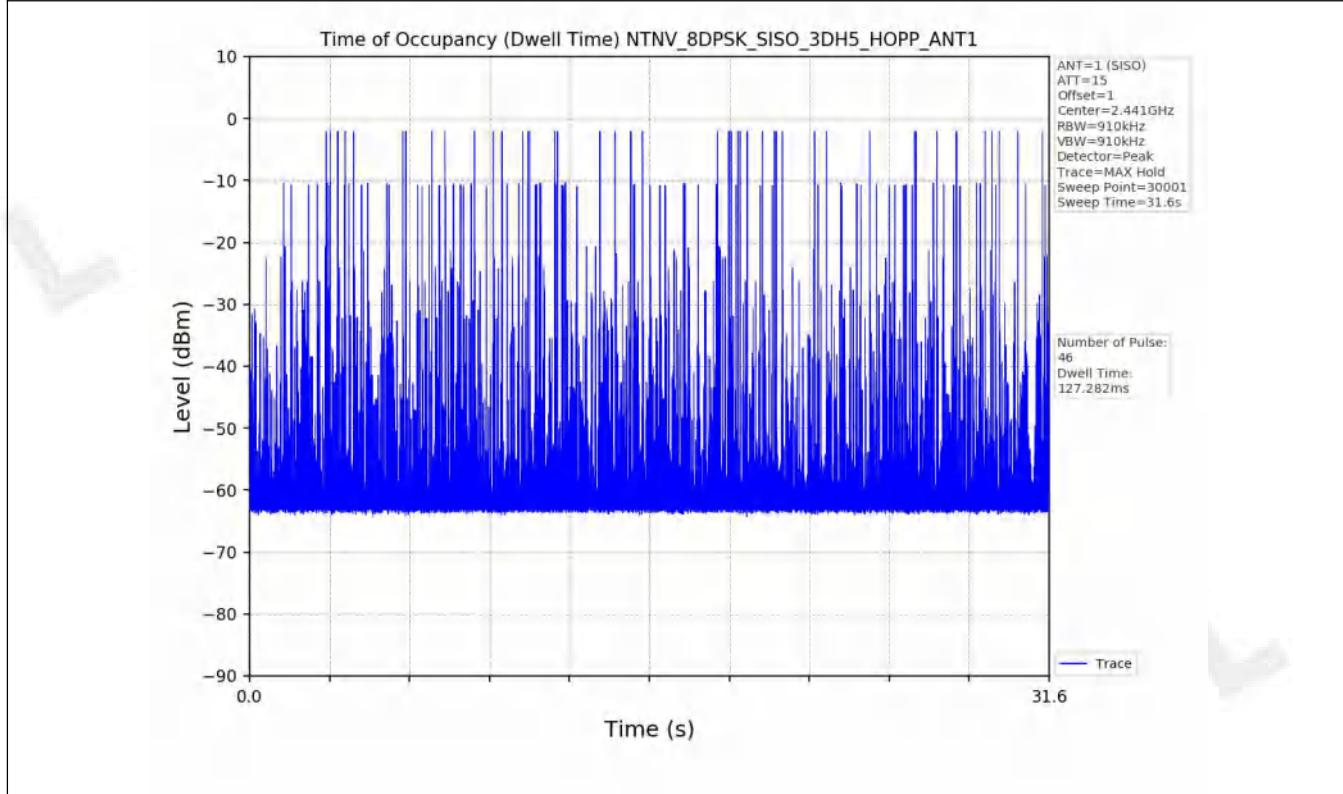
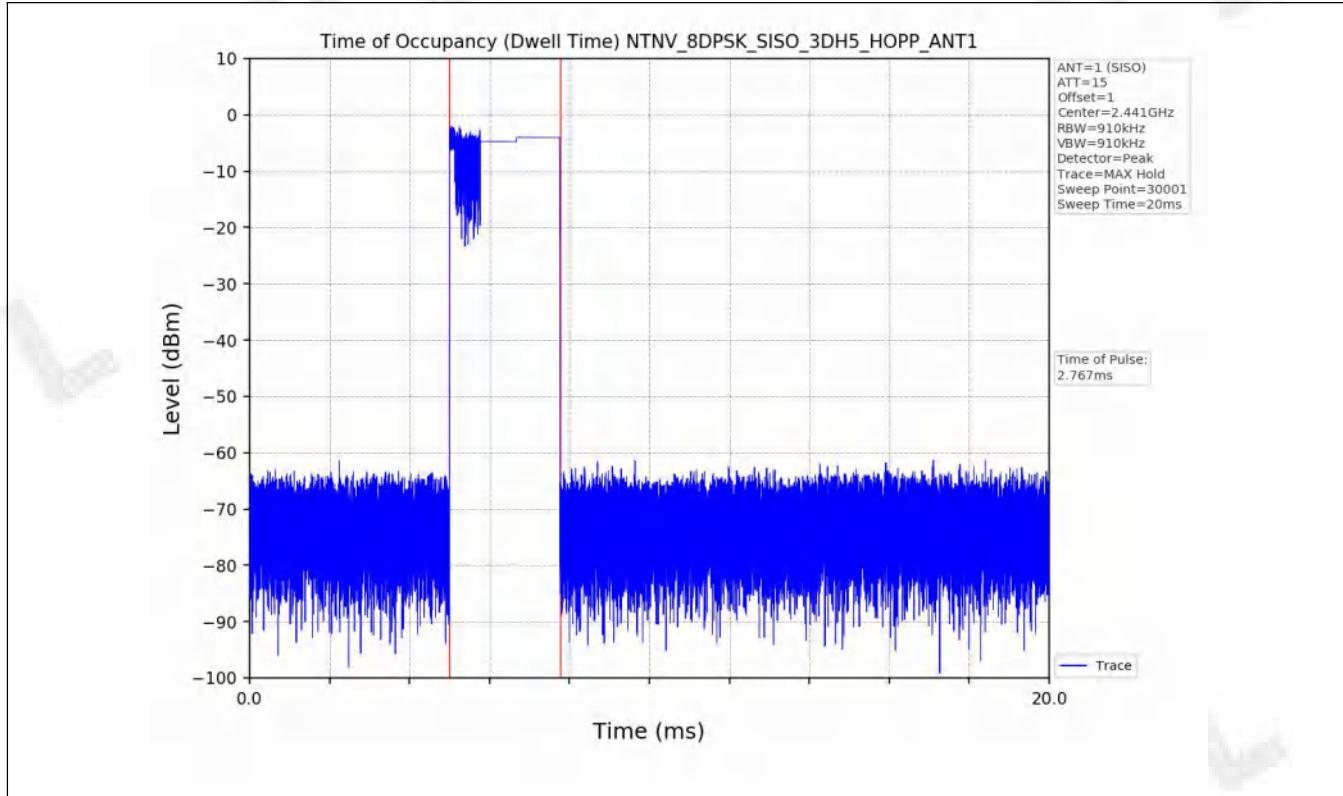












## 6. Unwanted Emissions in Non-restricted Frequency Bands

### 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	-23.21	PASS
	2441	SISO	1	Refer to test graph	-23.21	PASS
	2480	SISO	1	Refer to test graph	-23.21	PASS
	Hopping	SISO	1	Refer to test graph	-23.21	PASS
Pi/4DQPSK	2402	SISO	1	Refer to test graph	-23.53	PASS
	2441	SISO	1	Refer to test graph	-23.53	PASS
	2480	SISO	1	Refer to test graph	-23.53	PASS
	Hopping	SISO	1	Refer to test graph	-23.53	PASS
8DPSK	2402	SISO	1	Refer to test graph	-23.44	PASS
	2441	SISO	1	Refer to test graph	-23.44	PASS
	2480	SISO	1	Refer to test graph	-23.44	PASS
	Hopping	SISO	1	Refer to test graph	-23.44	PASS

### 6.2 Test Graph

