



## Appendix for 15.247

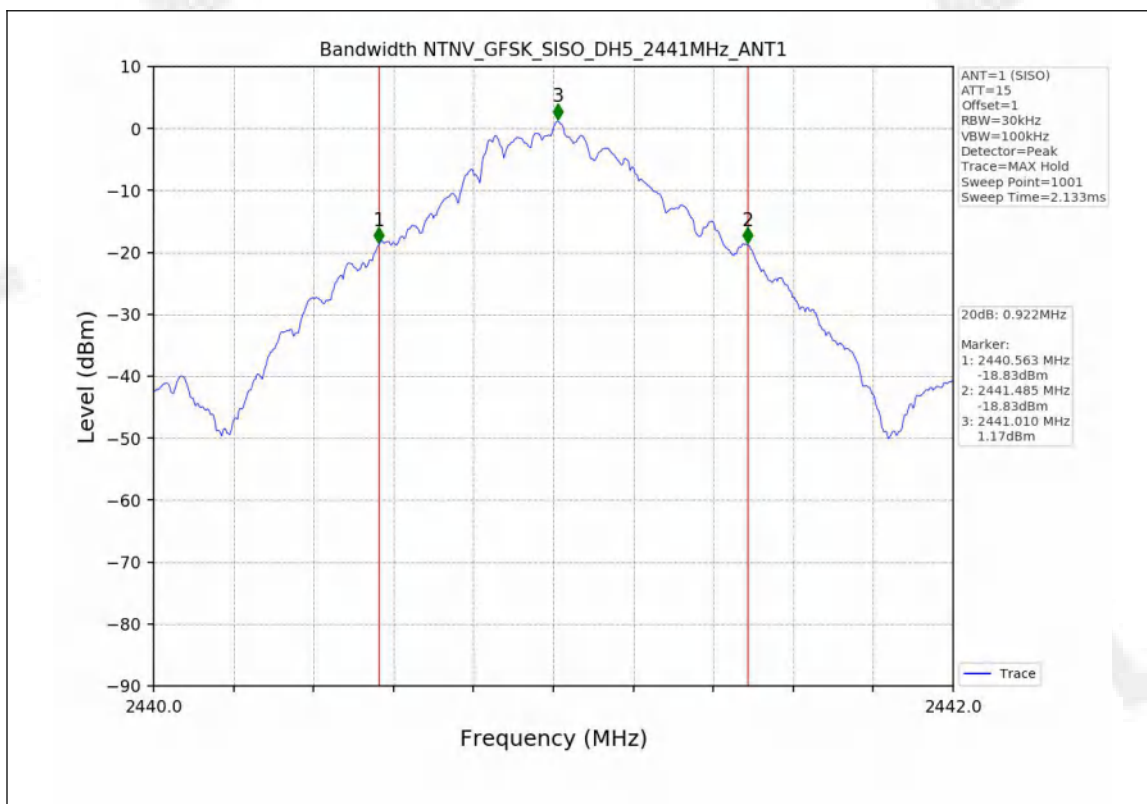
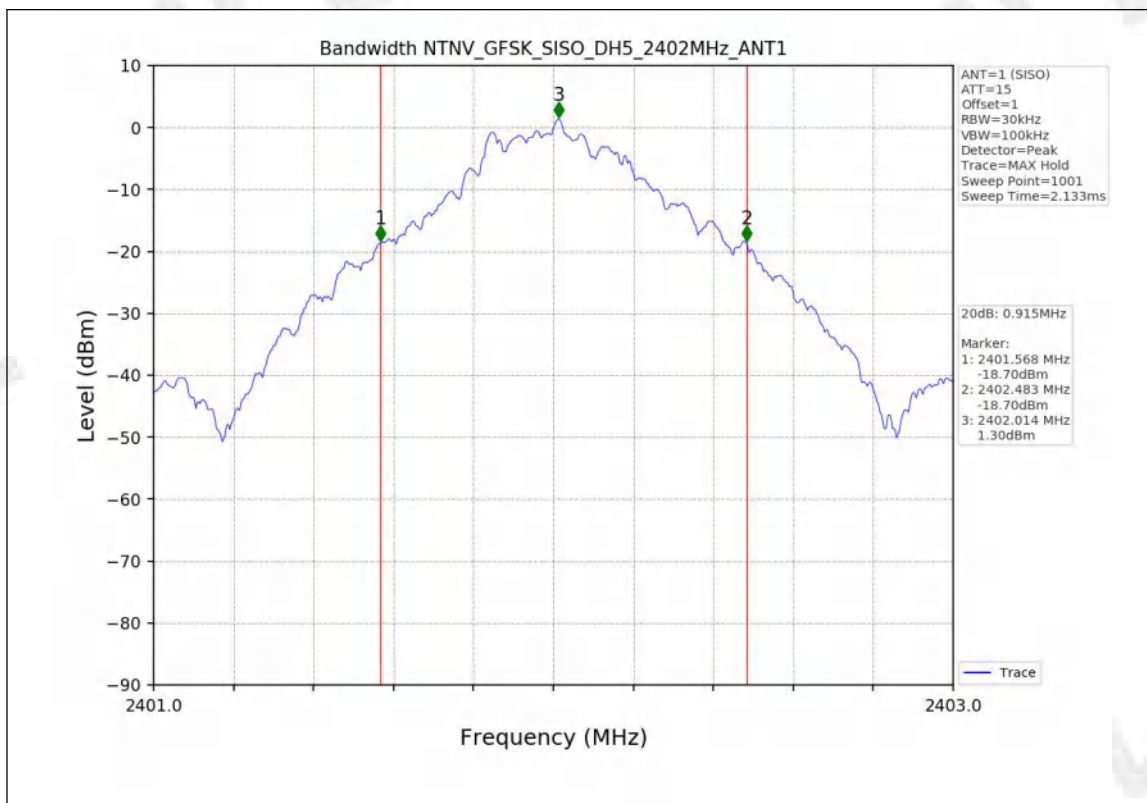
### 1. Bandwidth

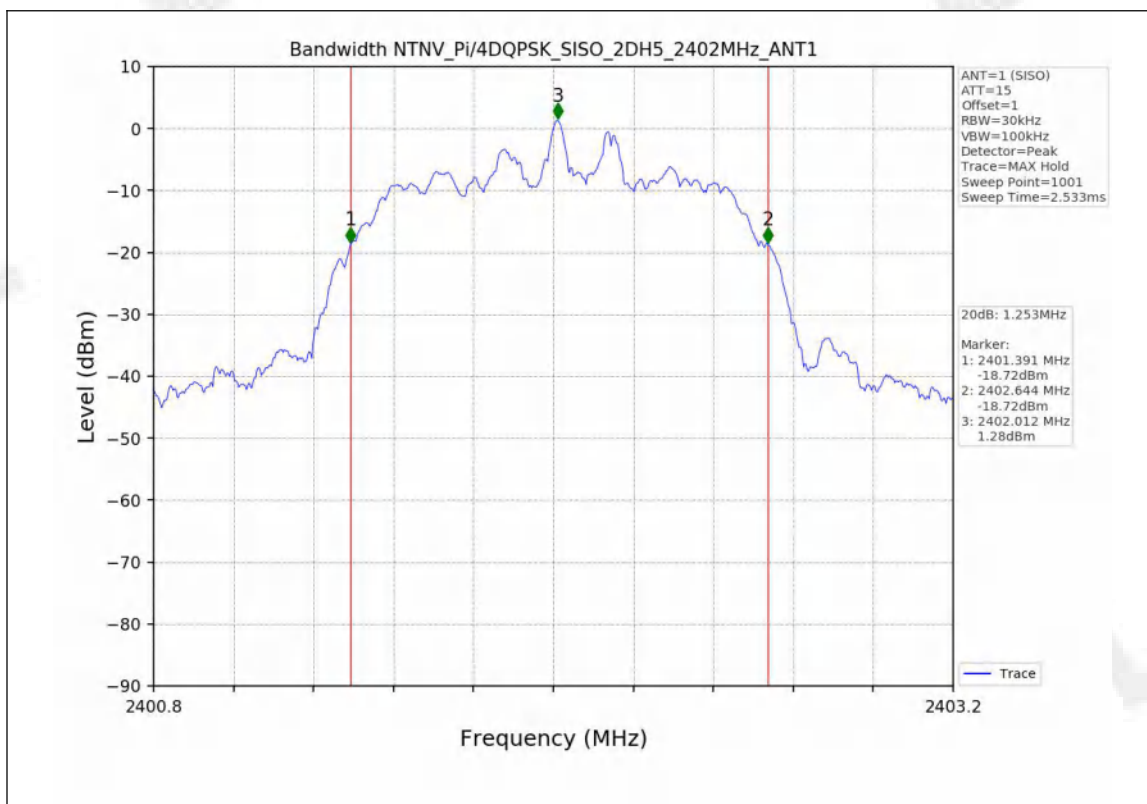
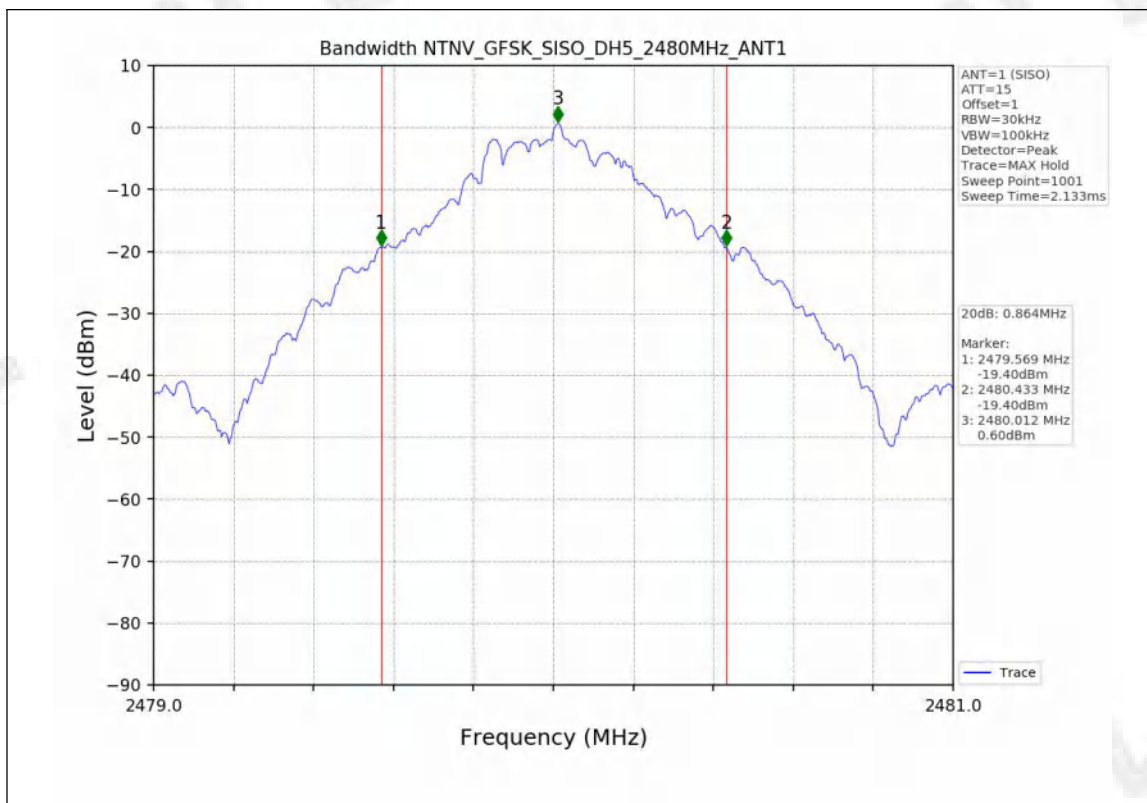
#### 1.1 Test Result

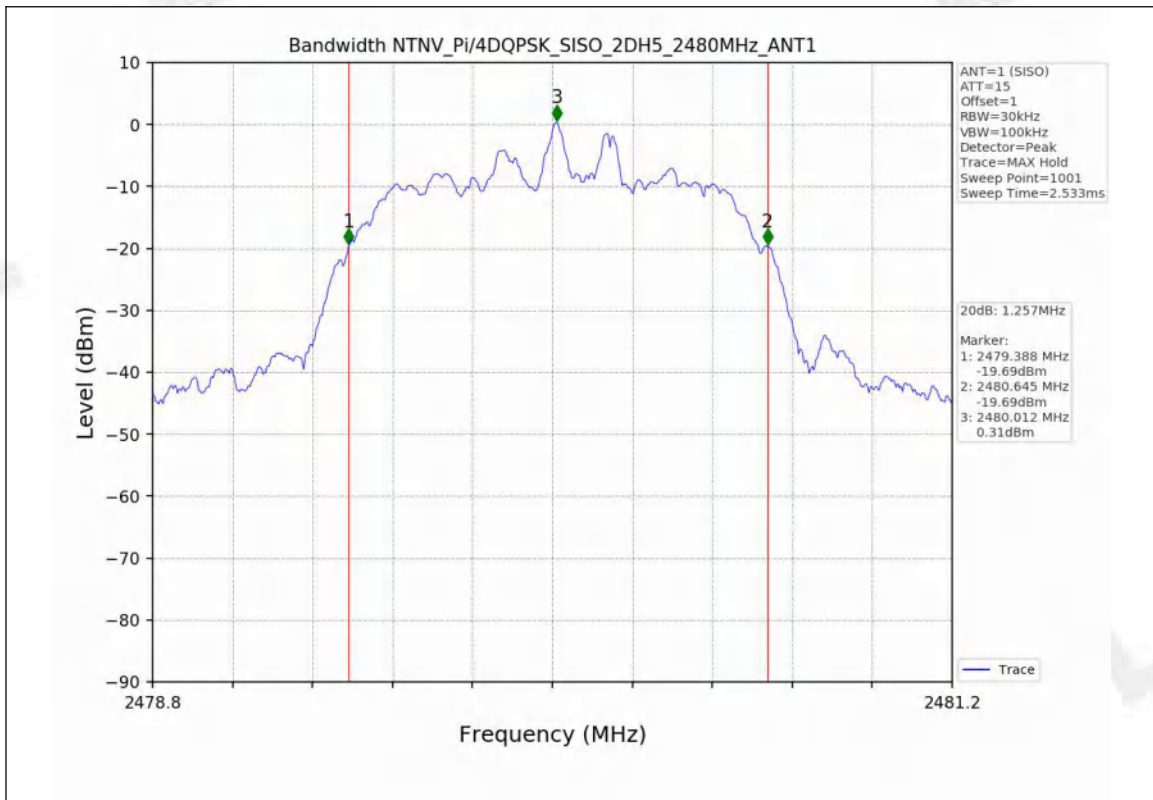
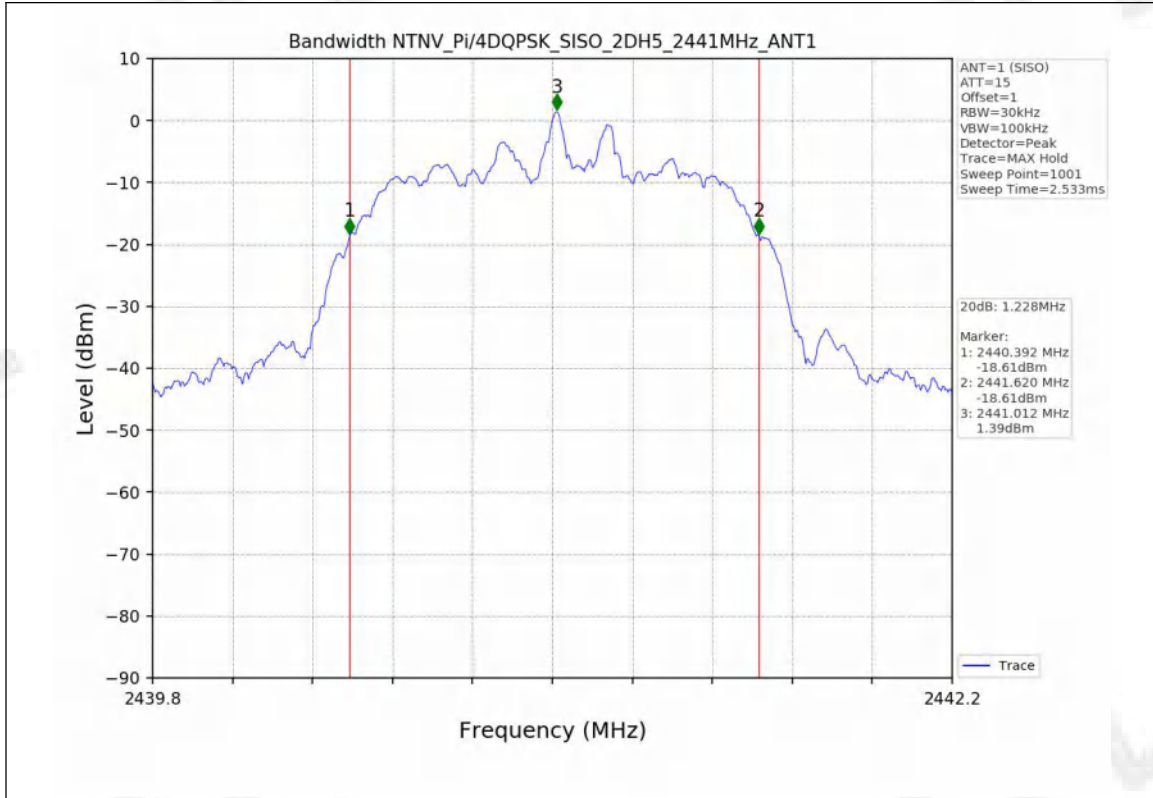
Test Mode	Frequency (MHz)	TX Type	ANT No.	20dB Bandwidth	Verdict
				Test Result (MHz)	
GFSK	2402	SISO	1	0.915	PASS
	2441	SISO	1	0.922	PASS
	2480	SISO	1	0.864	PASS
Pi/4DQPSK	2402	SISO	1	1.253	PASS
	2441	SISO	1	1.228	PASS
	2480	SISO	1	1.257	PASS
8DPSK	2402	SISO	1	1.233	PASS
	2441	SISO	1	1.239	PASS
	2480	SISO	1	1.230	PASS

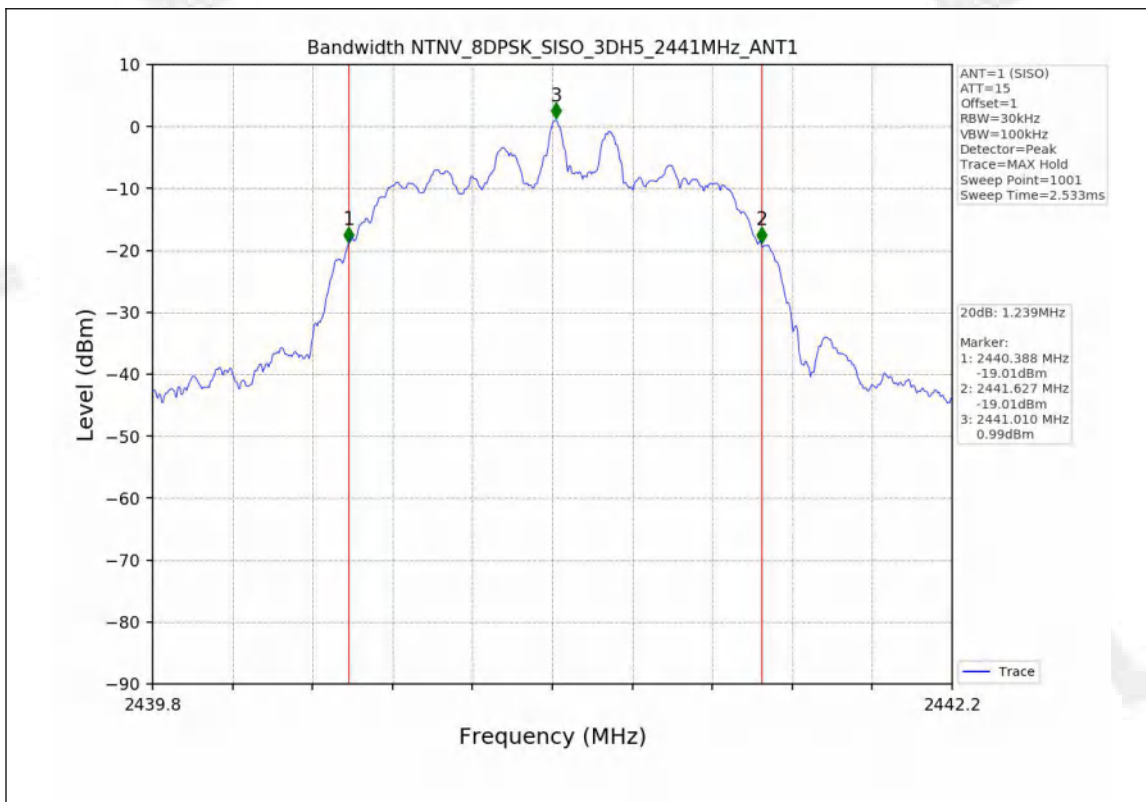
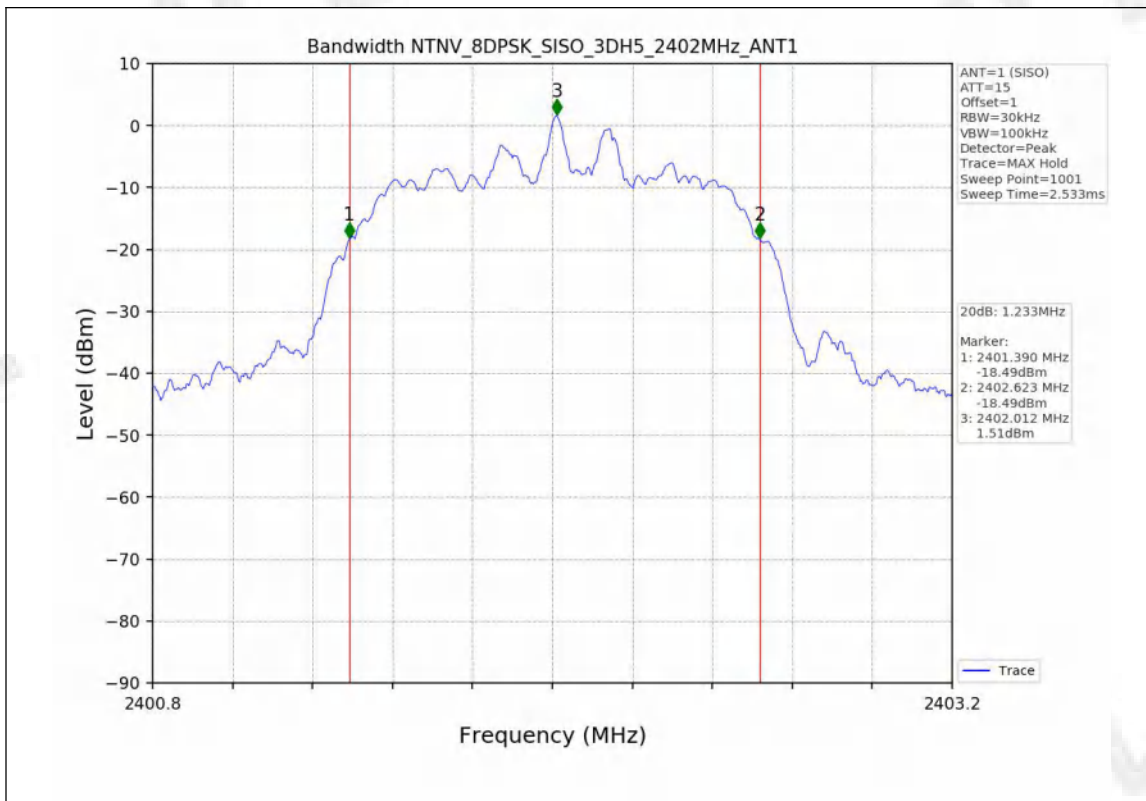
Test Mode	Frequency (MHz)	TX Type	ANT No.	99% Occupied Bandwidth	
				Test Result (MHz)	
GFSK	2402	SISO	1	0.839	Only for Report Use
	2441	SISO	1	0.843	Only for Report Use
	2480	SISO	1	0.848	Only for Report Use
Pi/4DQPSK	2402	SISO	1	1.165	Only for Report Use
	2441	SISO	1	1.170	Only for Report Use
	2480	SISO	1	1.168	Only for Report Use
8DPSK	2402	SISO	1	1.164	Only for Report Use
	2441	SISO	1	1.168	Only for Report Use
	2480	SISO	1	1.167	Only for Report Use

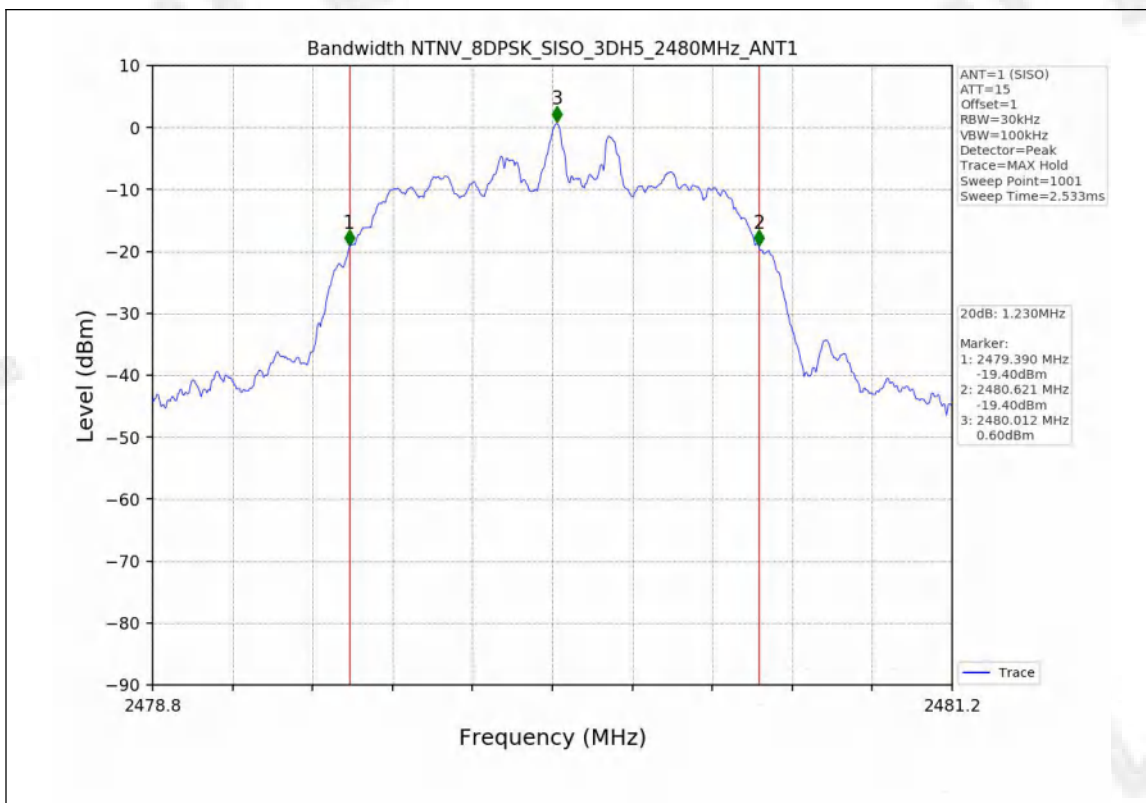
#### 1.2 Test Graph - 20dB Bandwidth



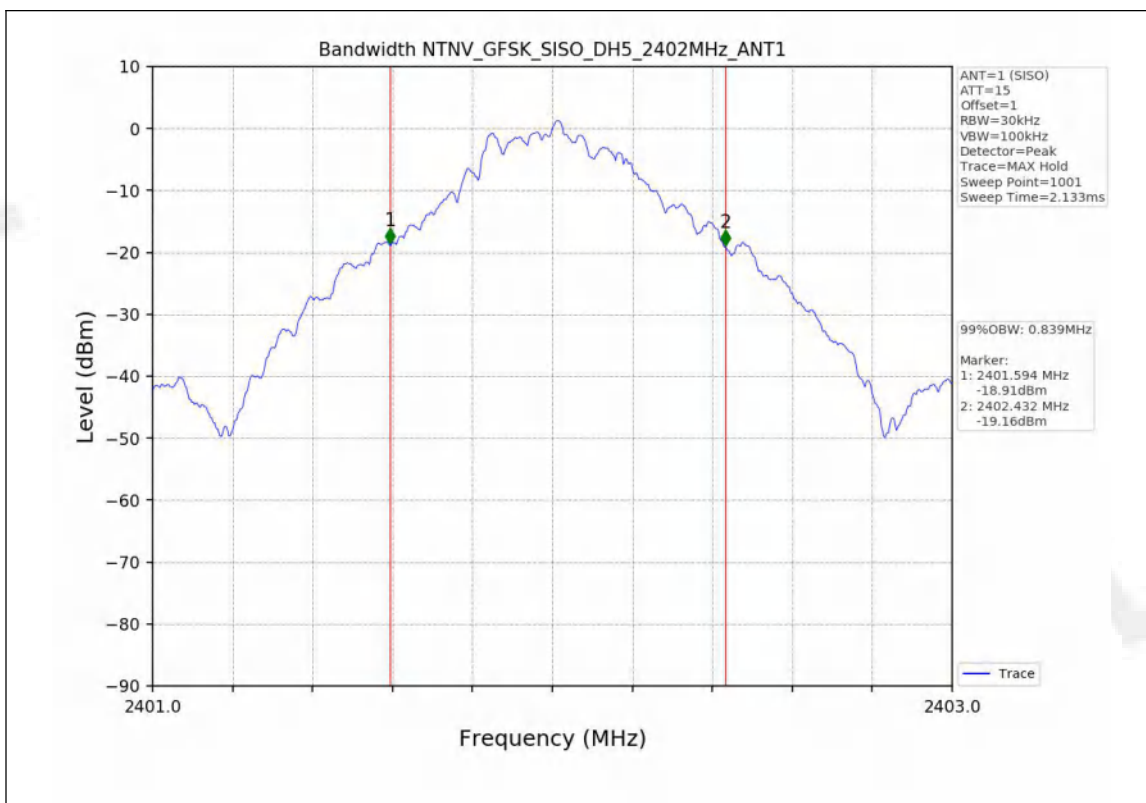




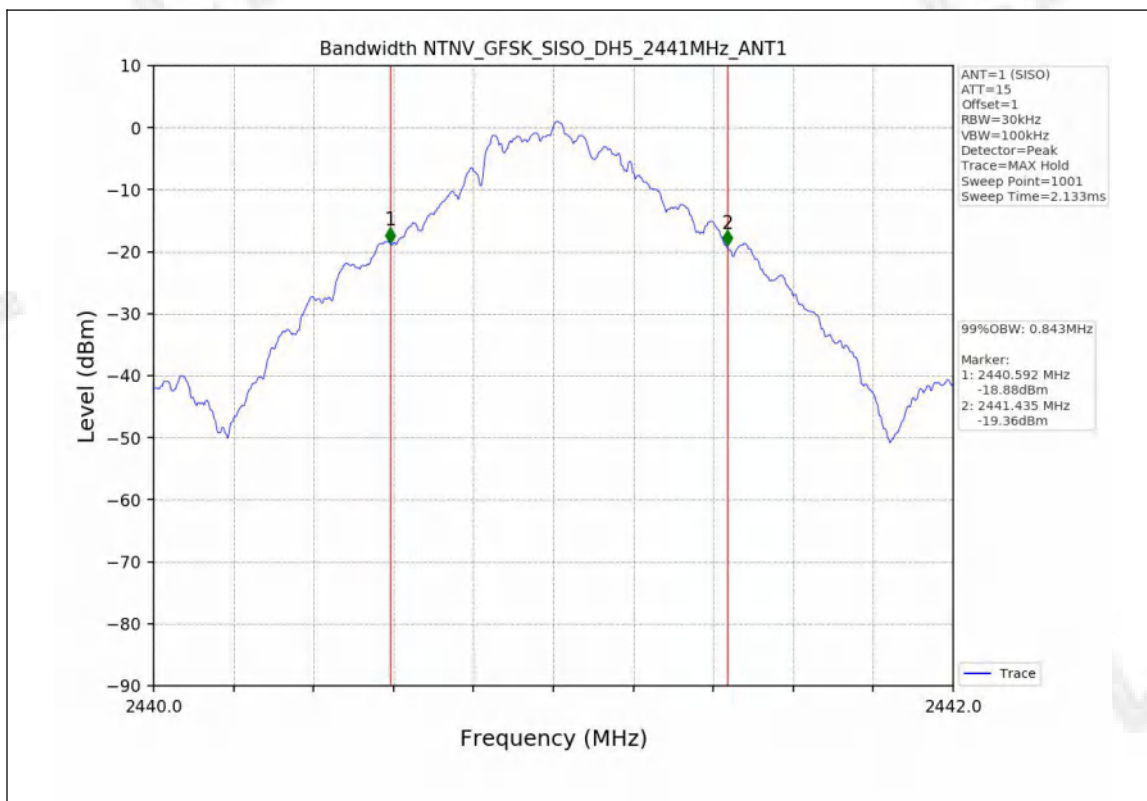


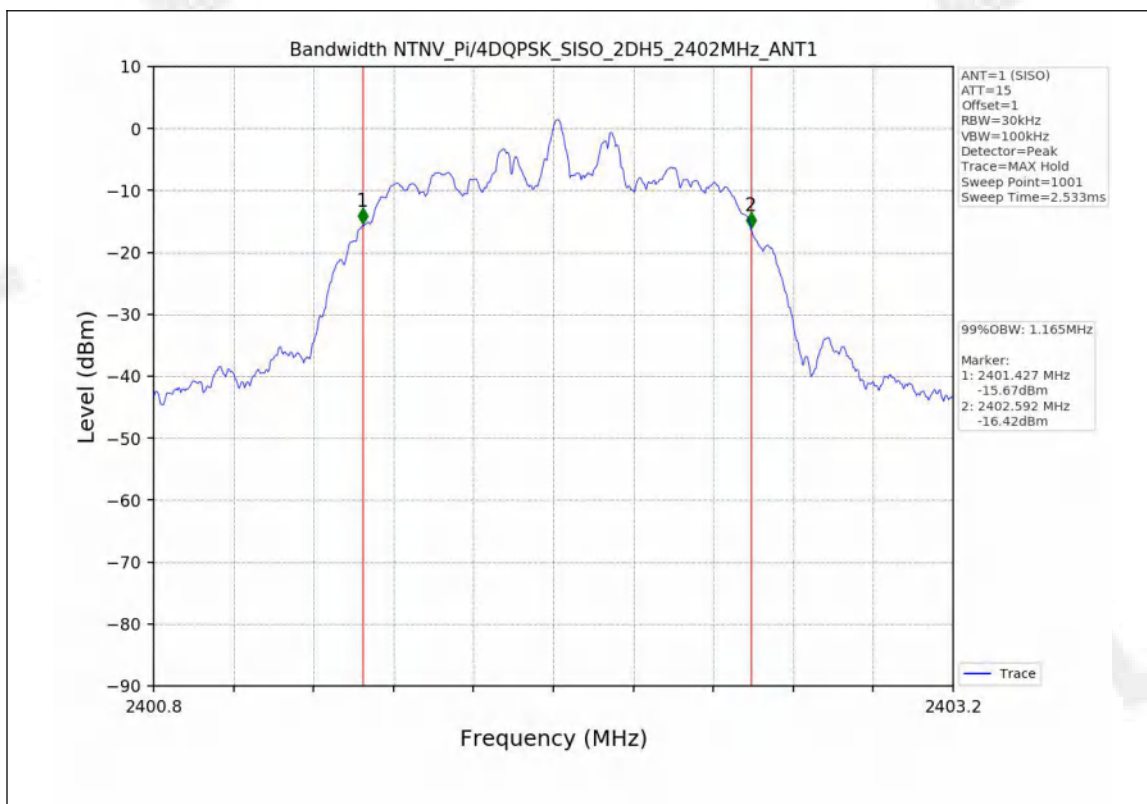
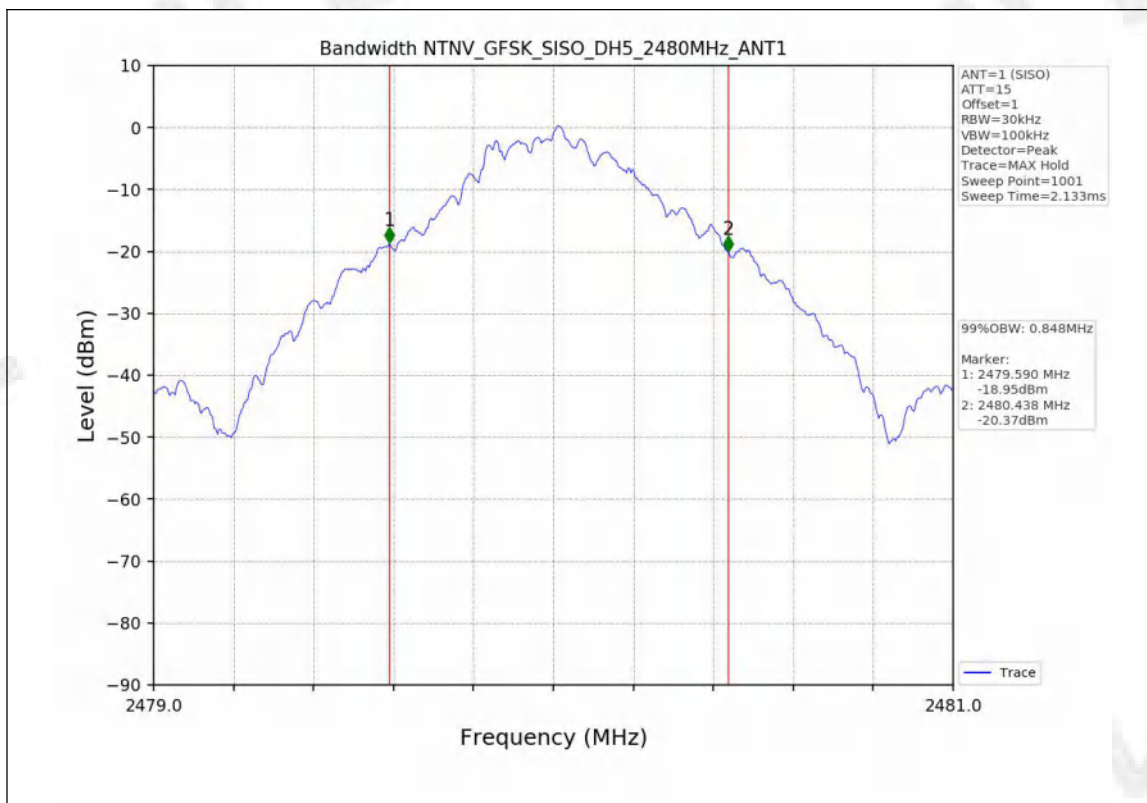


### 1.3 Test Graph - 99% Occupied Bandwidth

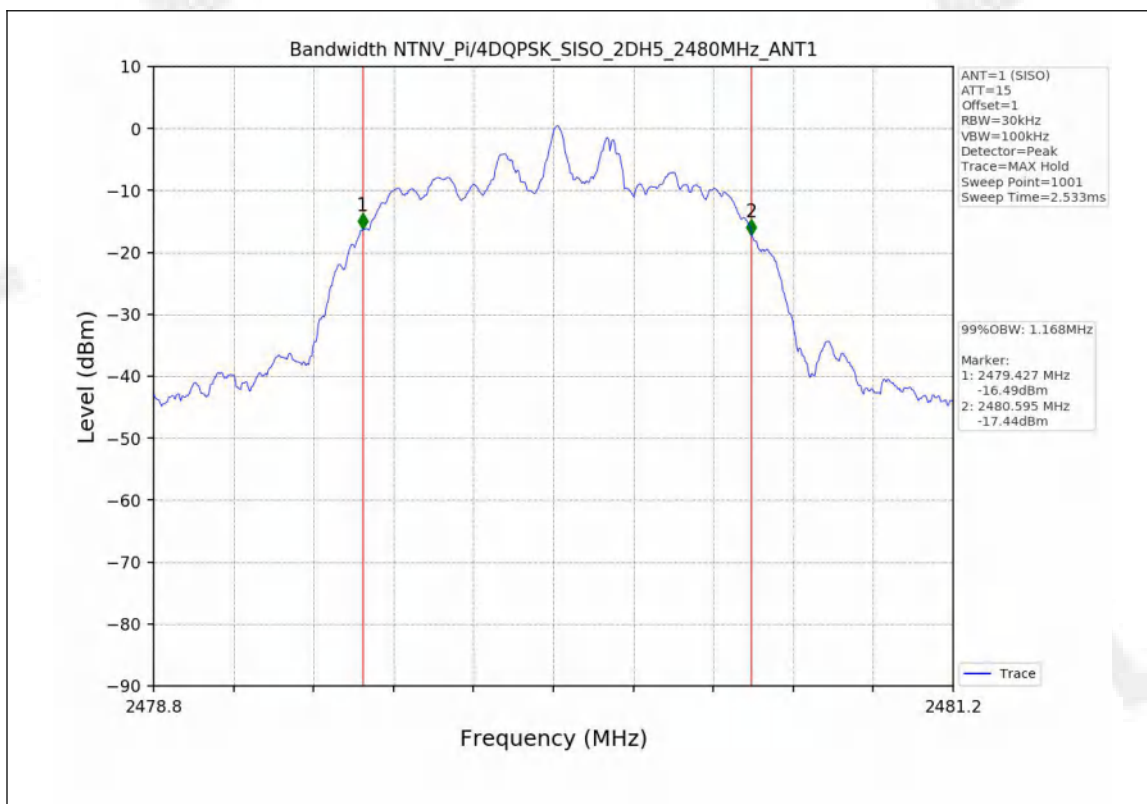
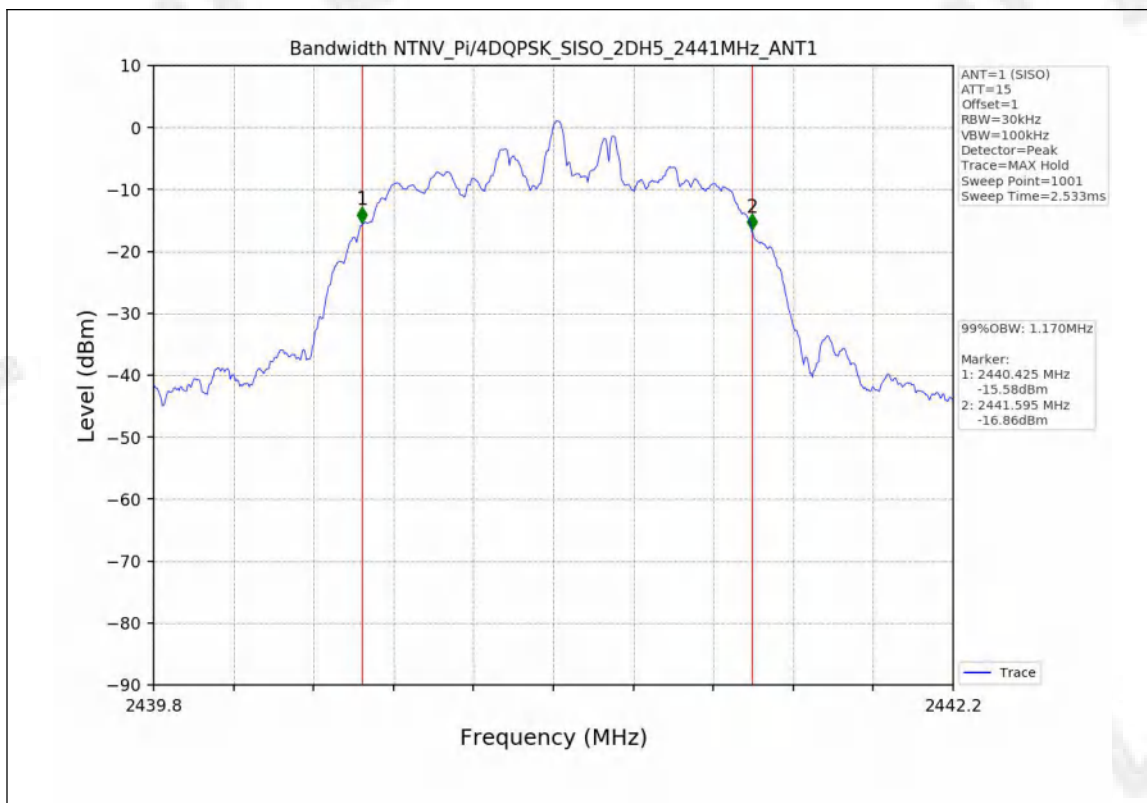


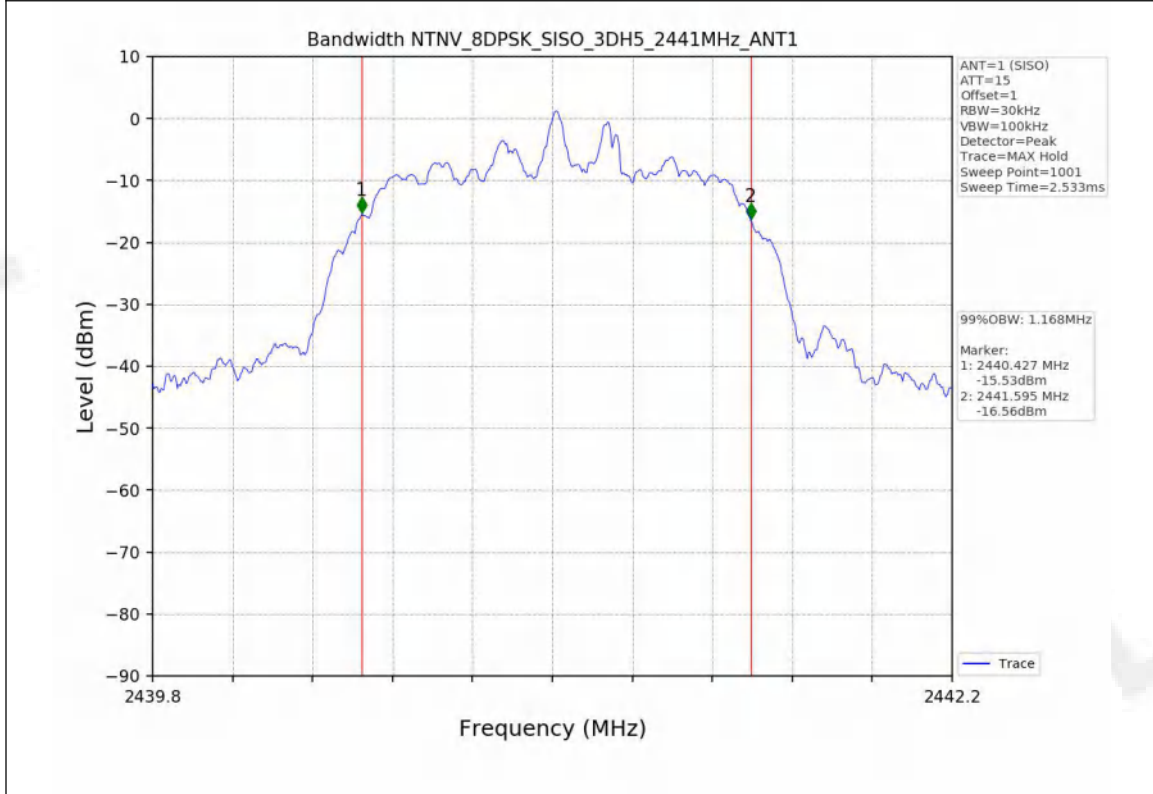
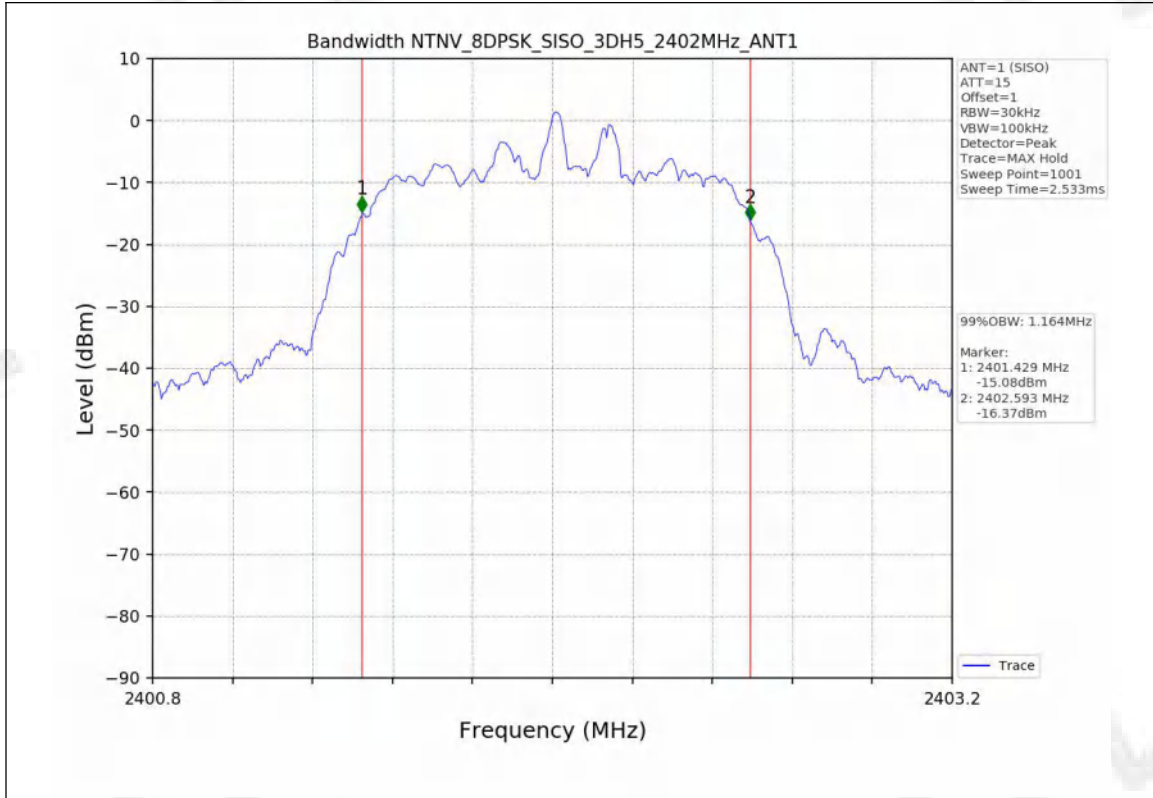


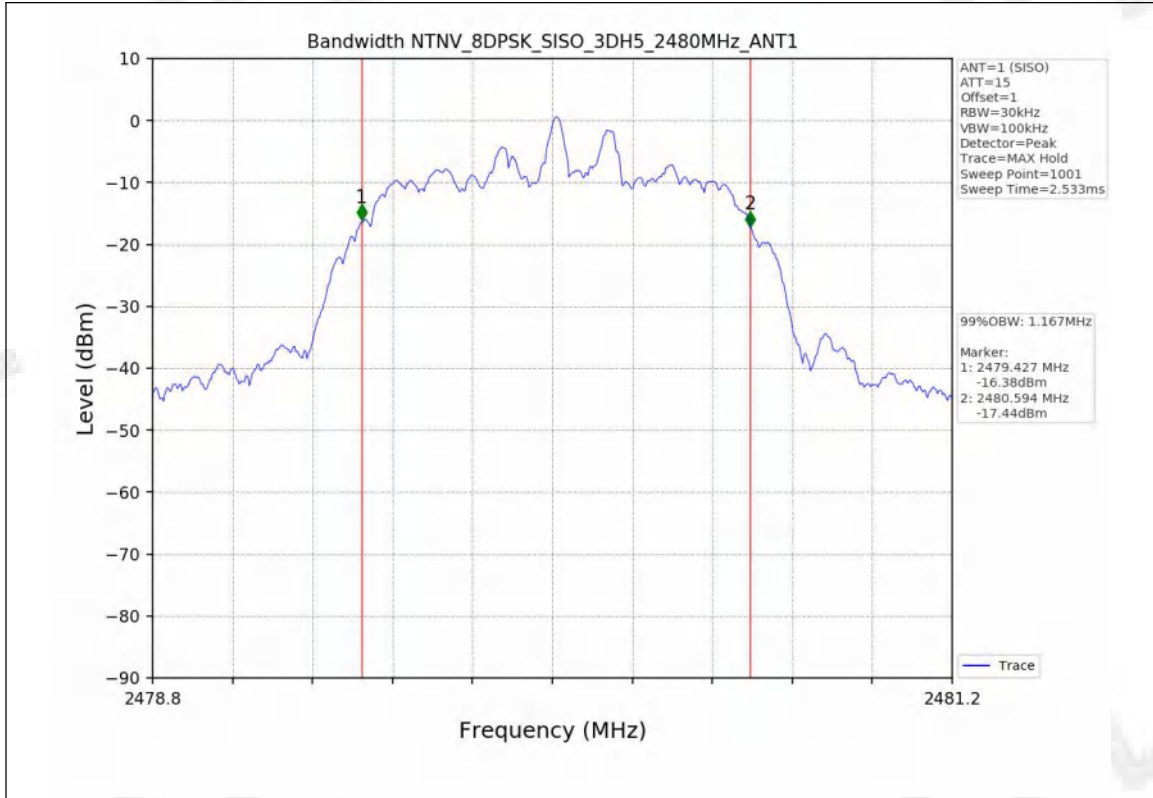










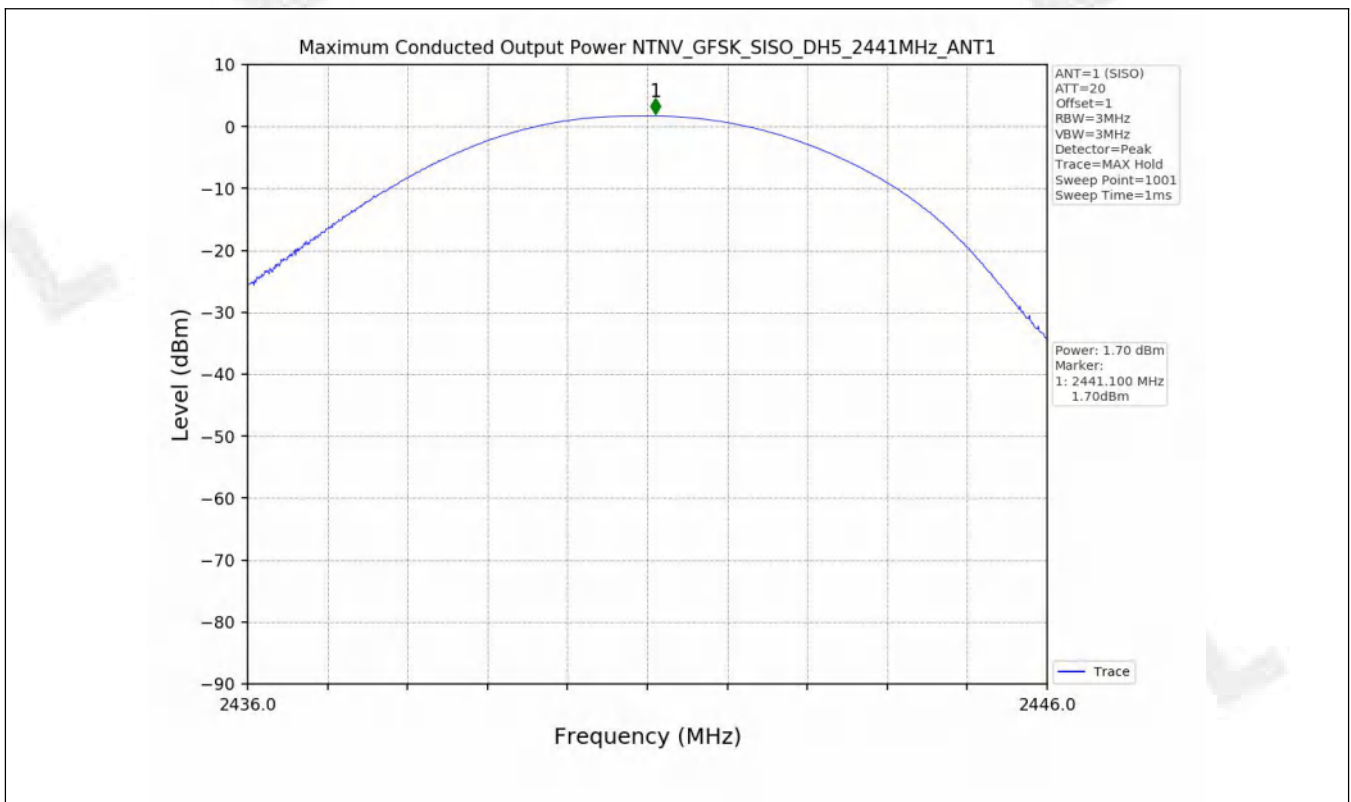
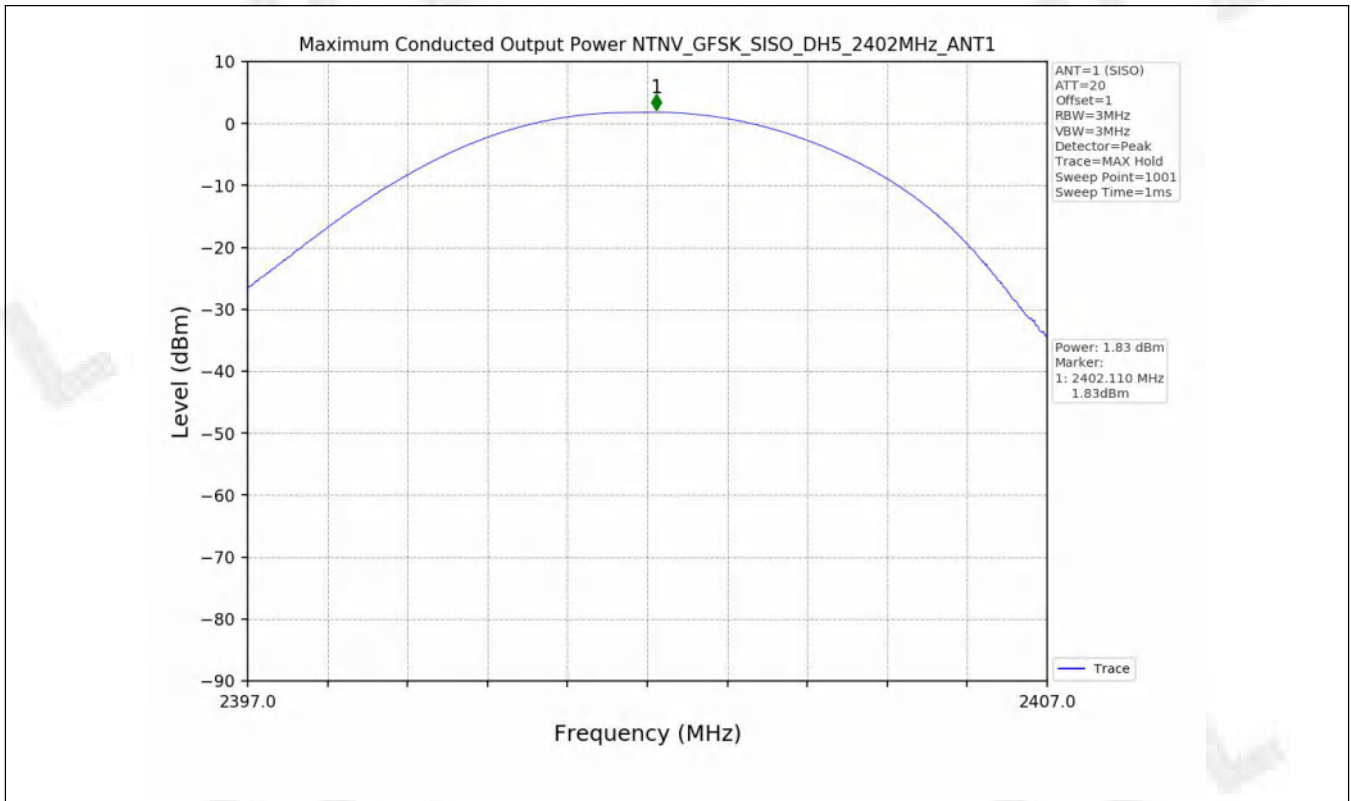


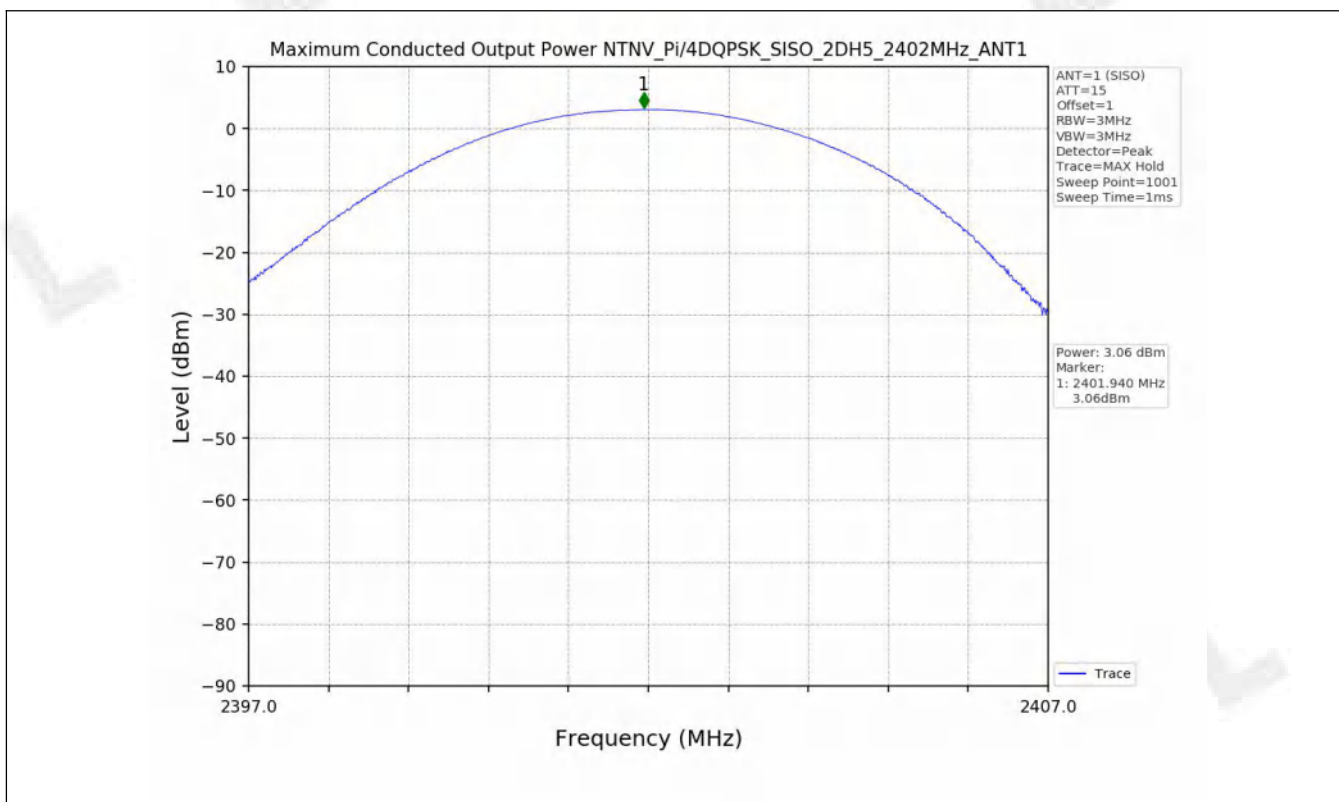
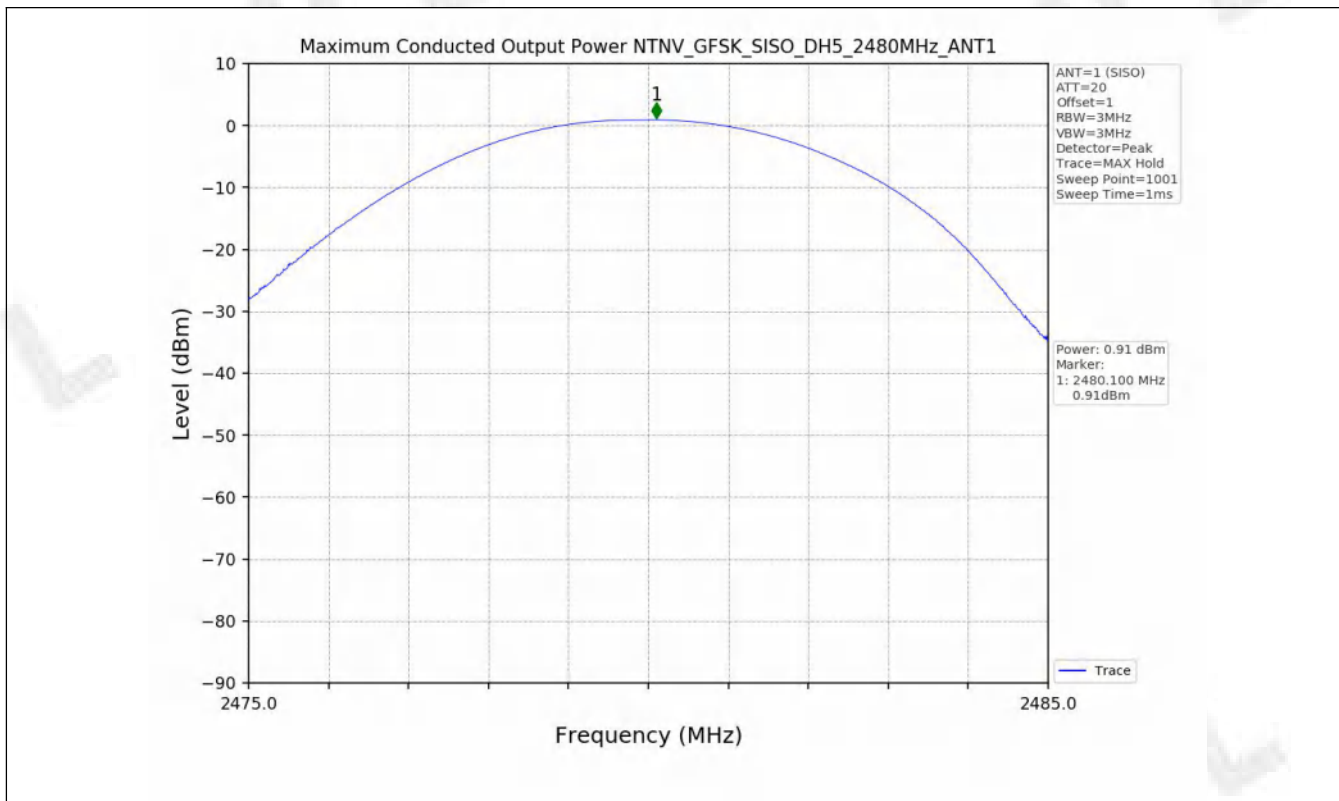
## 2. Maximum Conducted Output Power

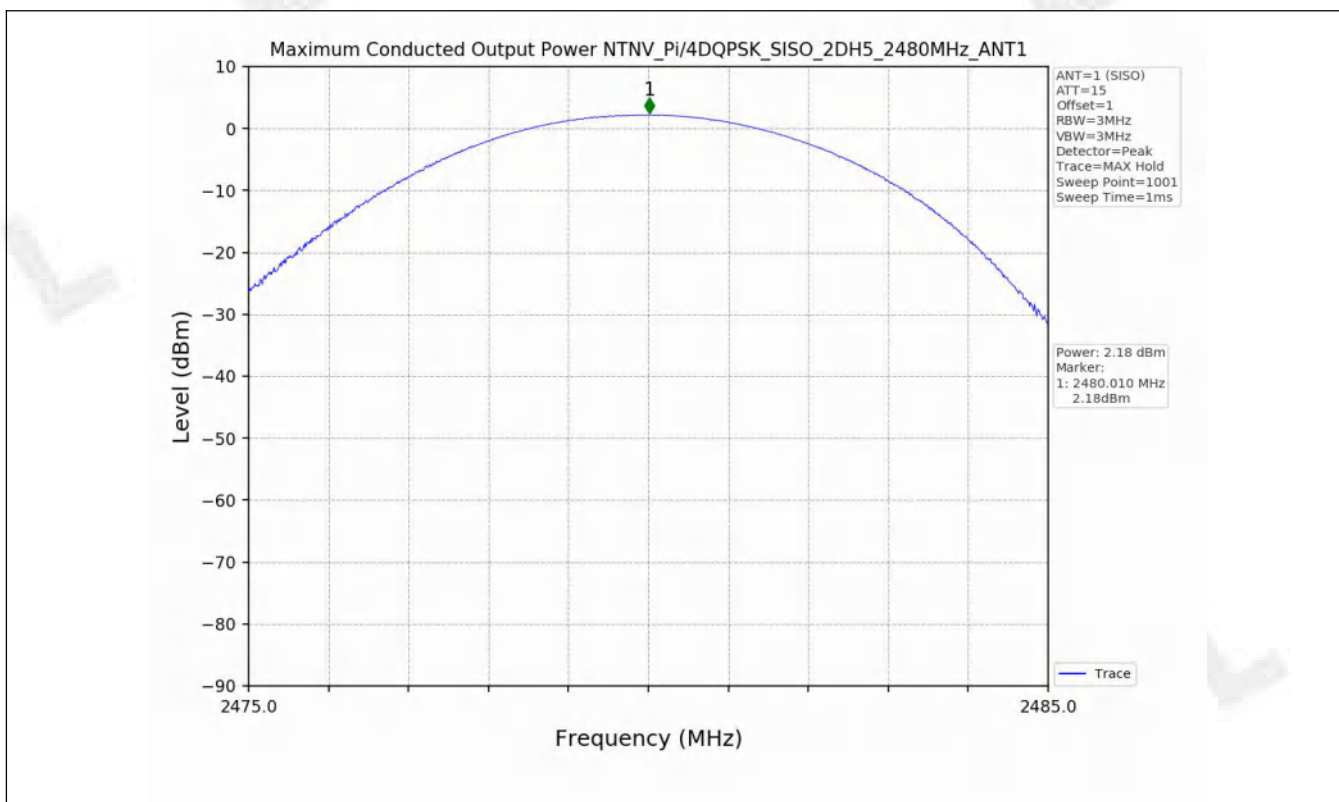
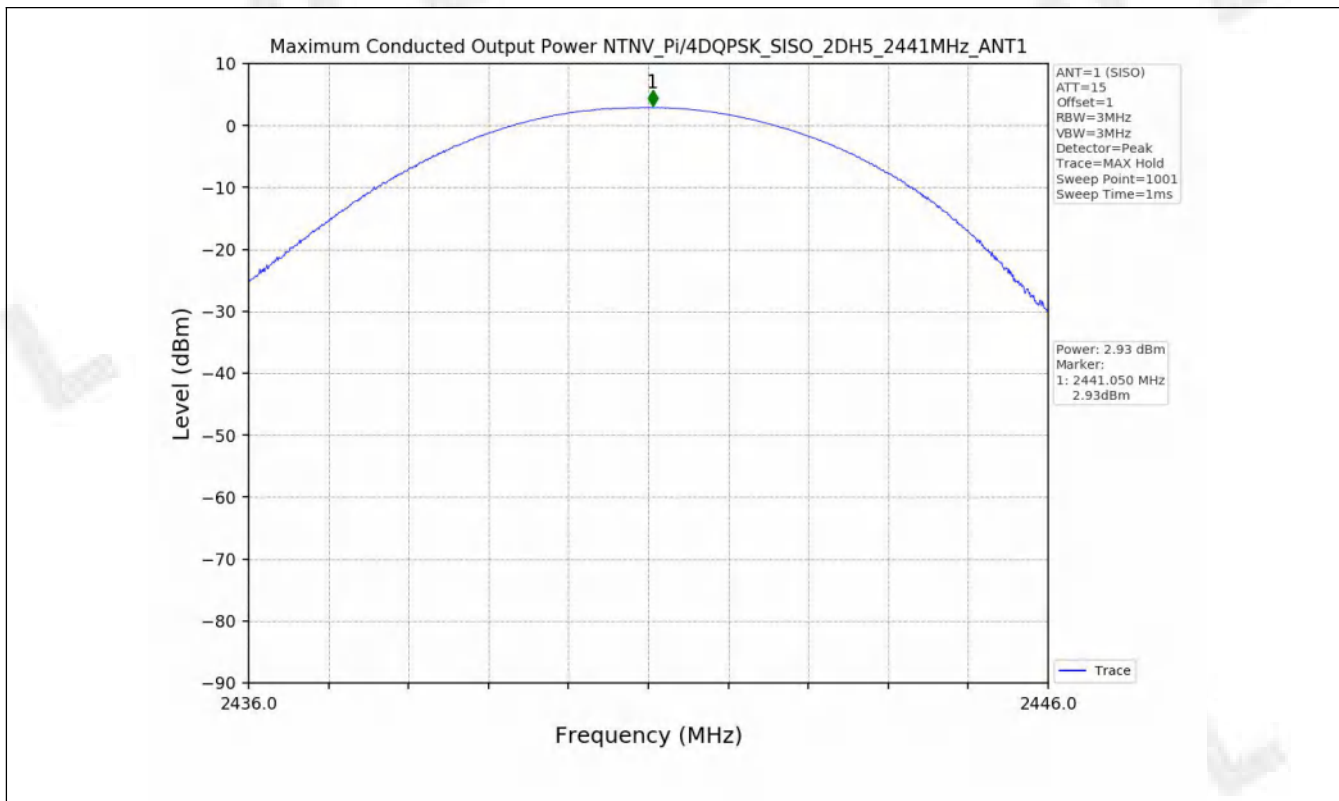
### 2.1 Test Result

Test Mode	Frequency (MHz)	Tx Type	Measured Peak Output Power (dBm)	Limits (dBm)	Verdict
			Ant 1		
GFSK	2402	SISO	1.83	30	PASS
	2441	SISO	1.70	30	PASS
	2480	SISO	0.91	30	PASS
Pi/4DQPSK	2402	SISO	3.06	20.97	PASS
	2441	SISO	2.93	20.97	PASS
	2480	SISO	2.18	20.97	PASS
8DPSK	2402	SISO	3.07	20.97	PASS
	2441	SISO	2.93	20.97	PASS
	2480	SISO	2.18	20.97	PASS

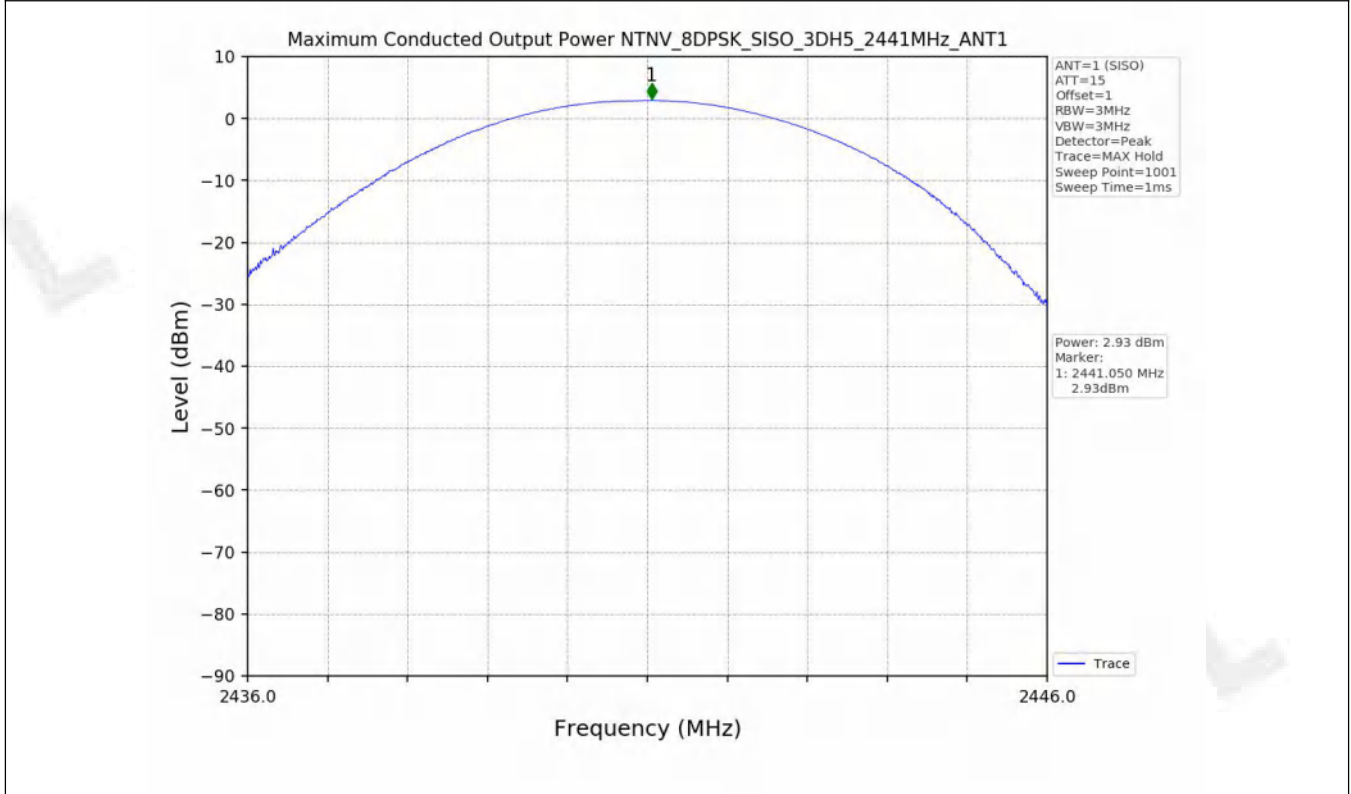
### 2.2 Test Graph

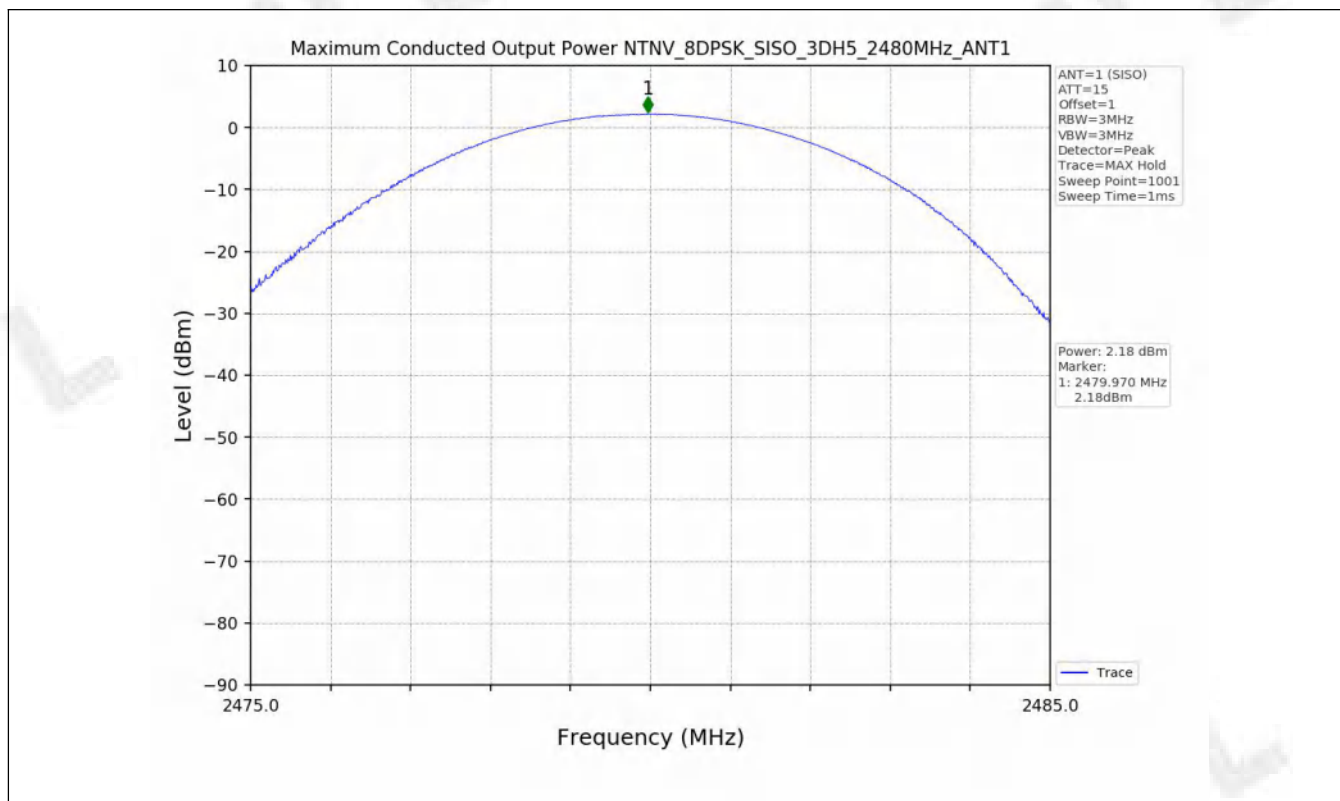










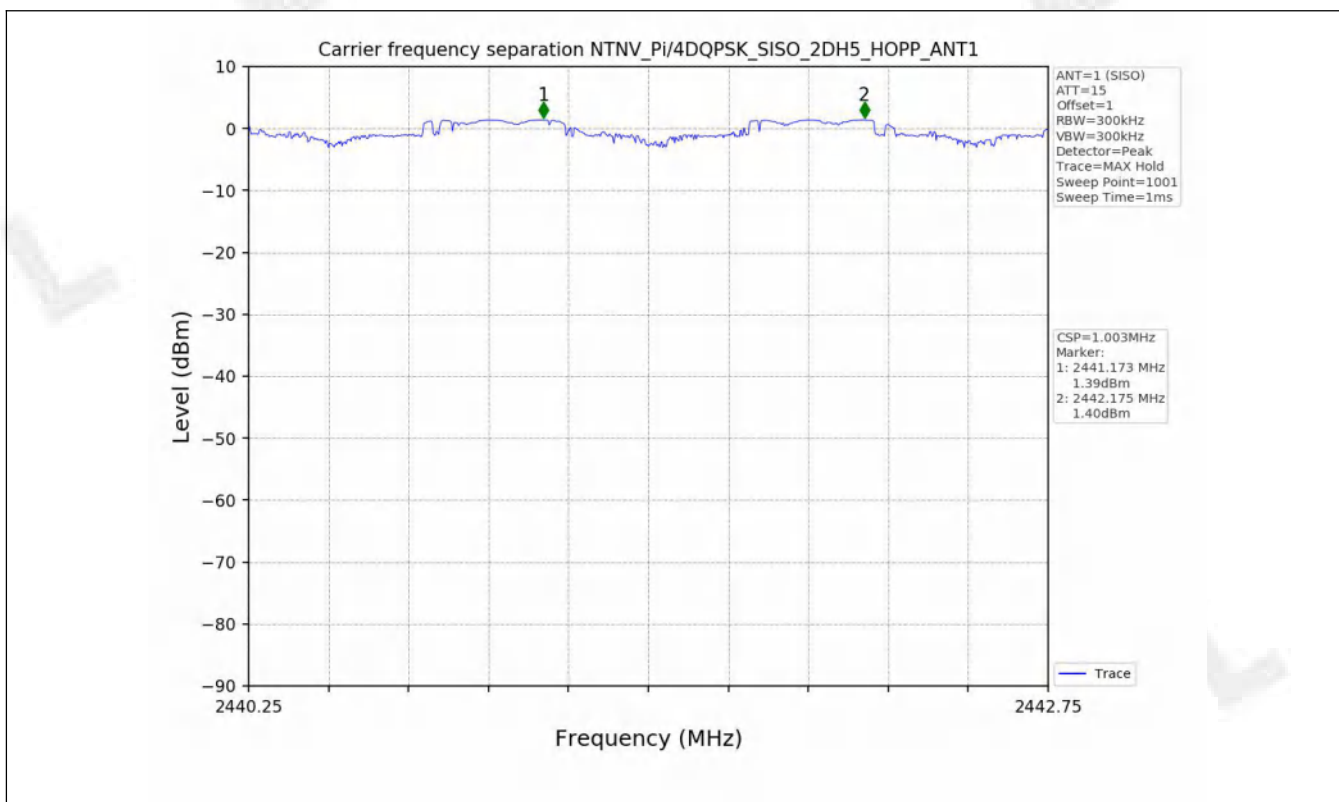
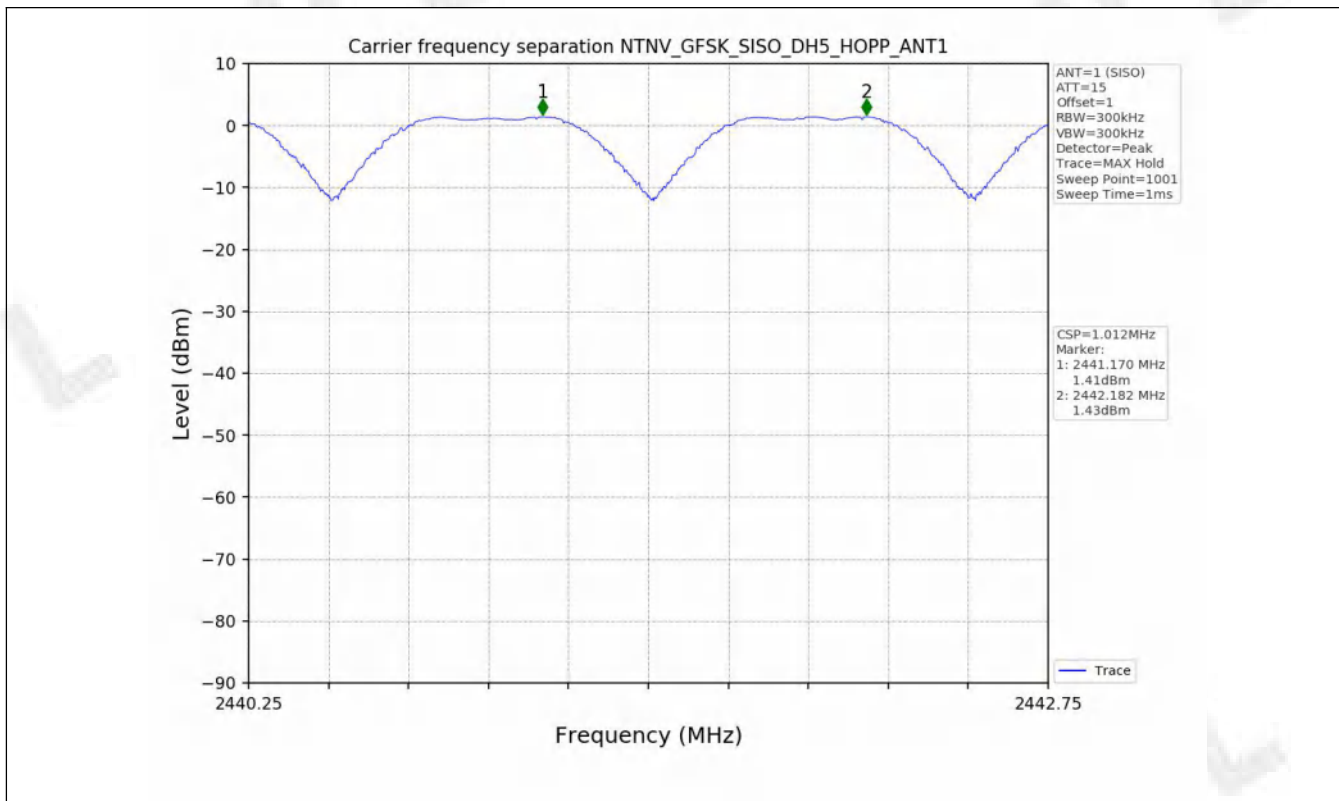


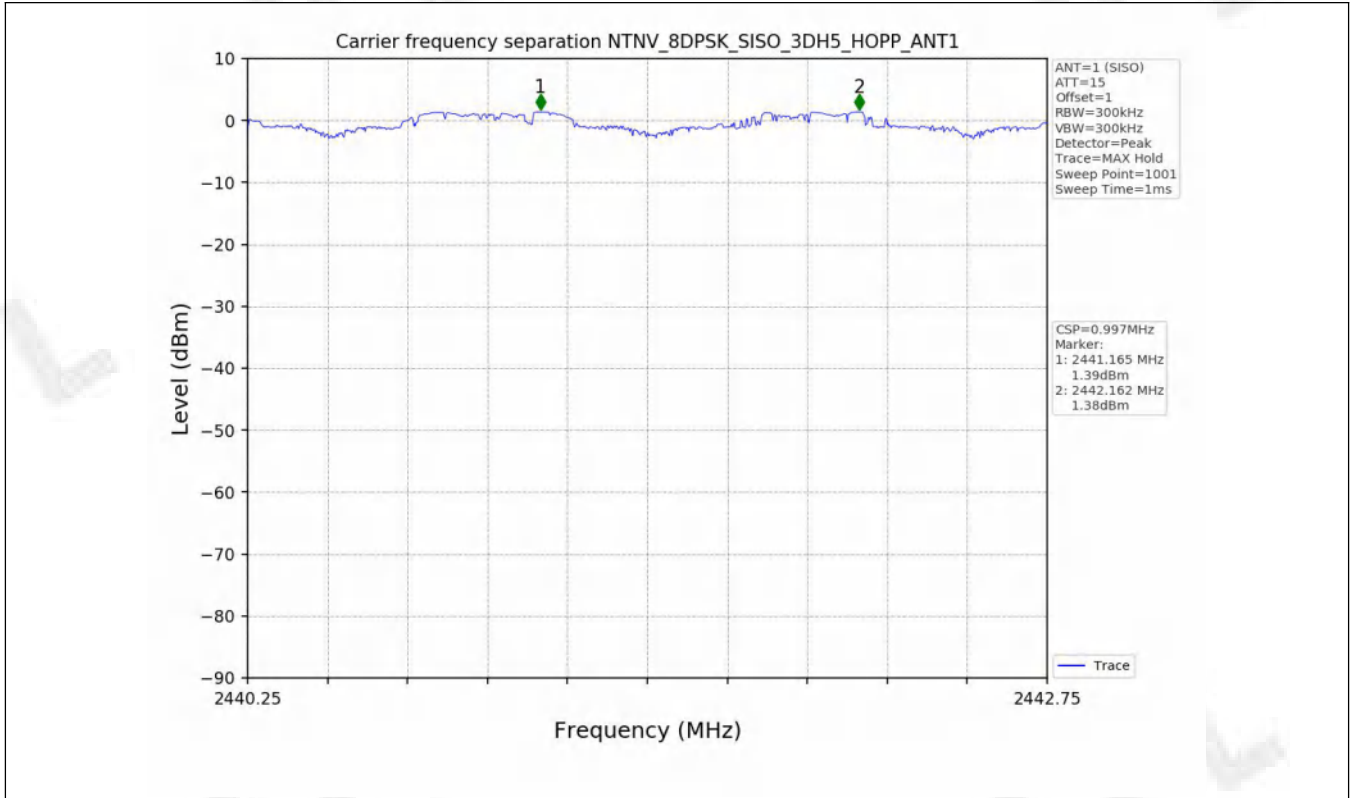
### 3. Carrier frequency separation

#### 3.1 Test Result

Test Mode	TX Type	ANT No.	Channel Separation (MHz)	20dB Bandwidth (MHz)	Limits (MHz)	Verdict
GFSK	SISO	1	1.012	0.922	$\geq 0.922$	PASS
Pi/4DQPSK	SISO	1	1.003	1.257	$\geq 0.838$	PASS
8DPSK	SISO	1	0.997	1.239	$\geq 0.826$	PASS

#### 3.2 Test Graph



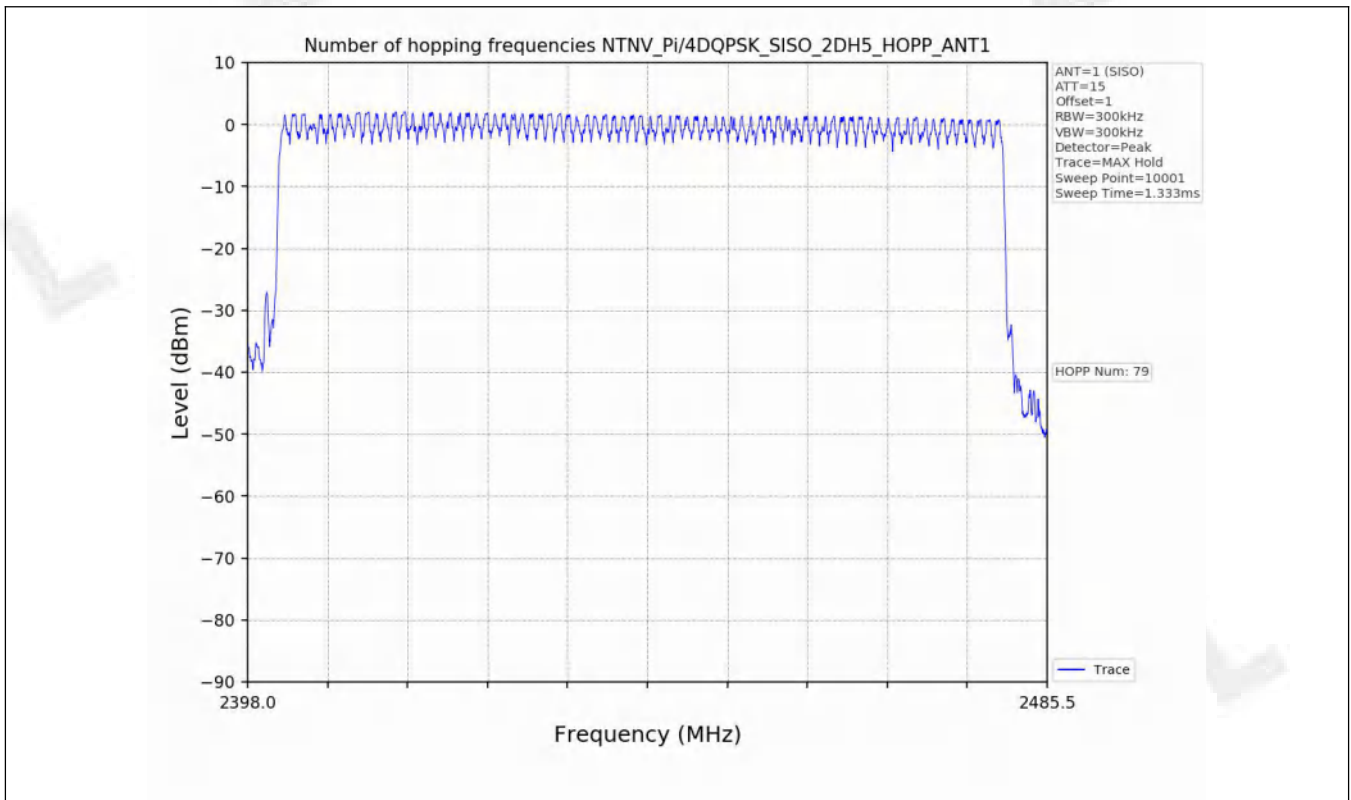
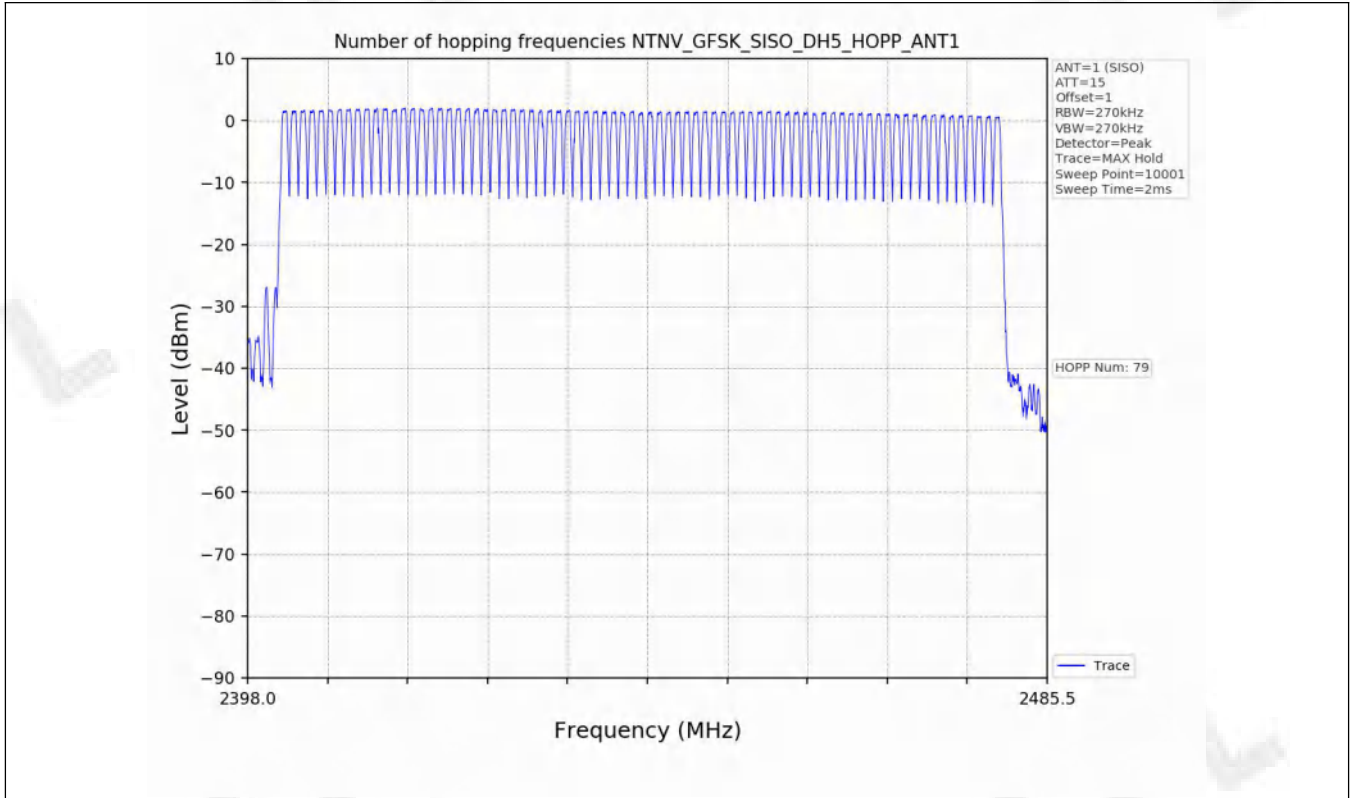


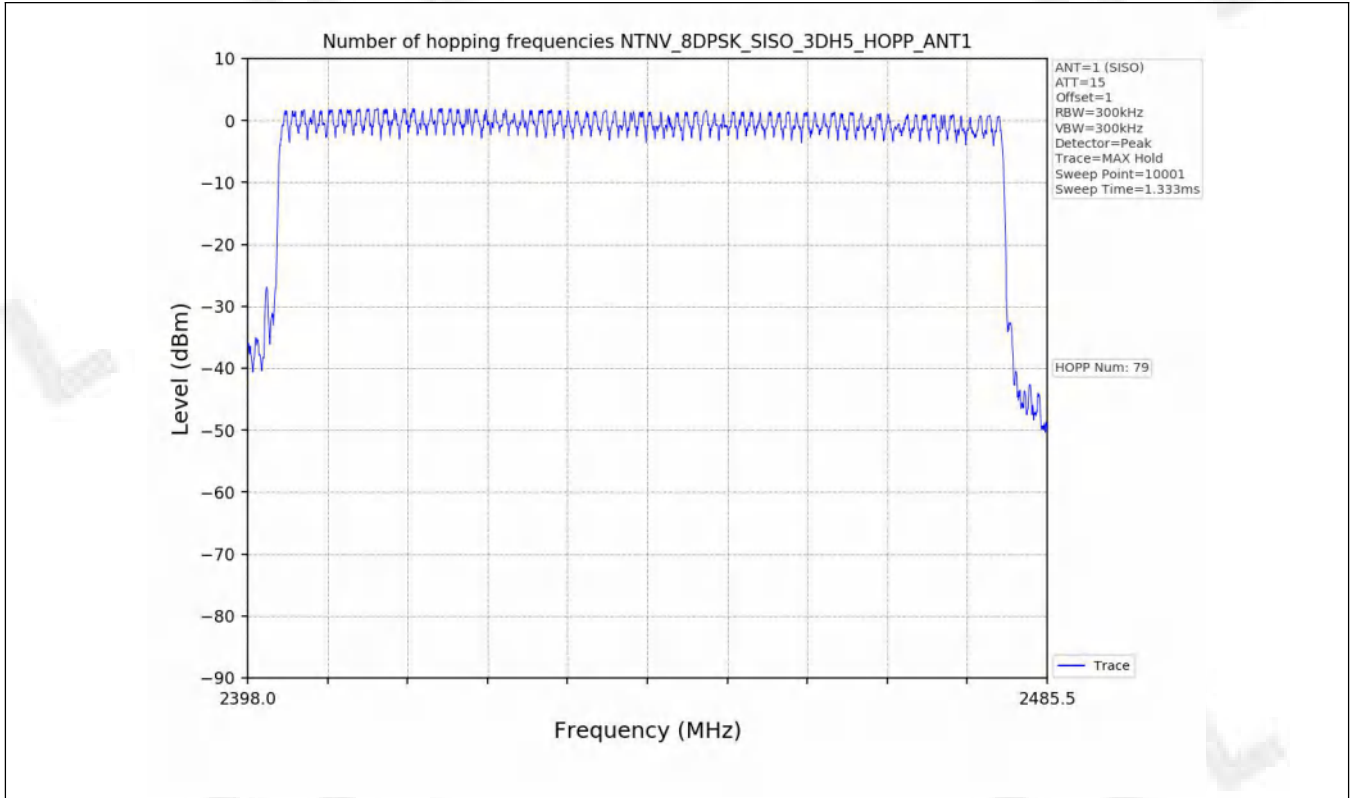
#### 4. Number of hopping frequencies

##### 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





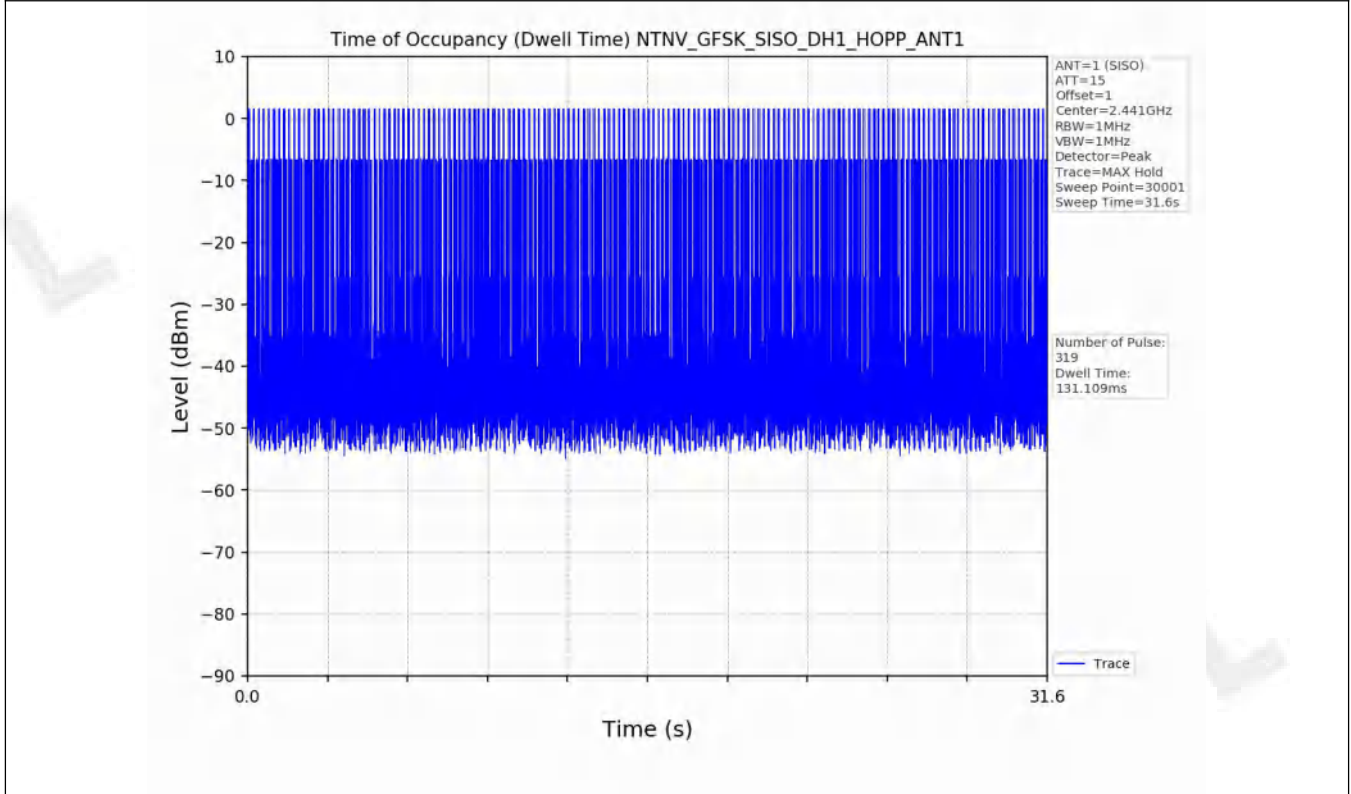
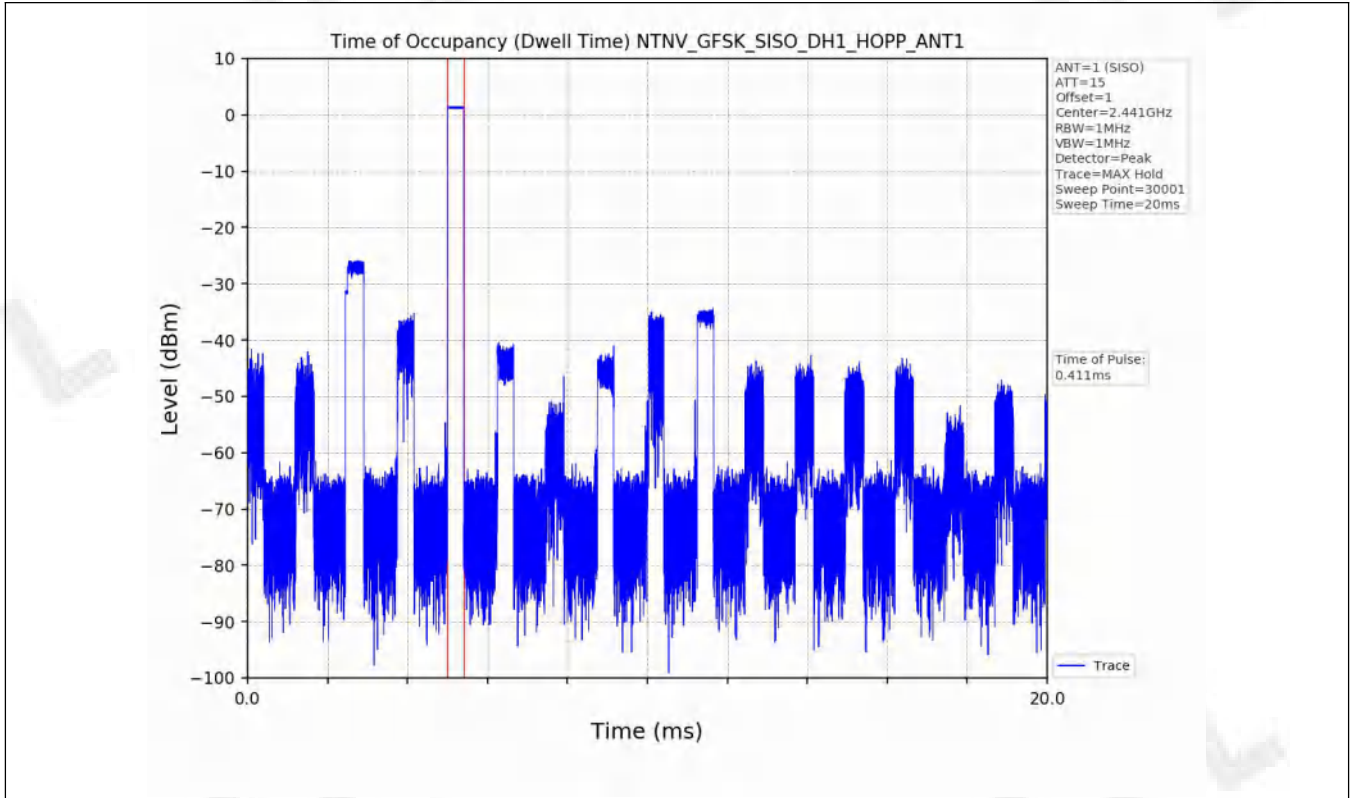
### 5. Time of occupancy (dwell time)

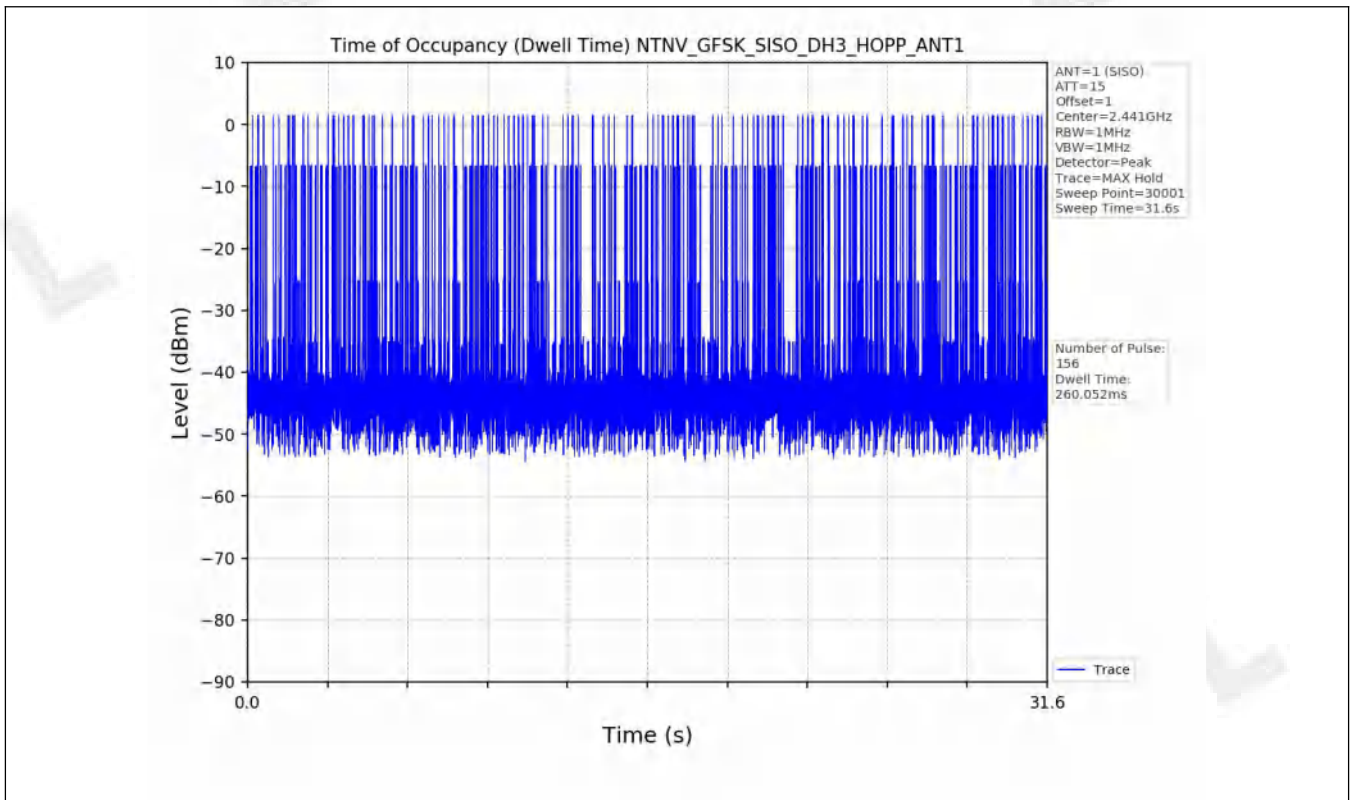
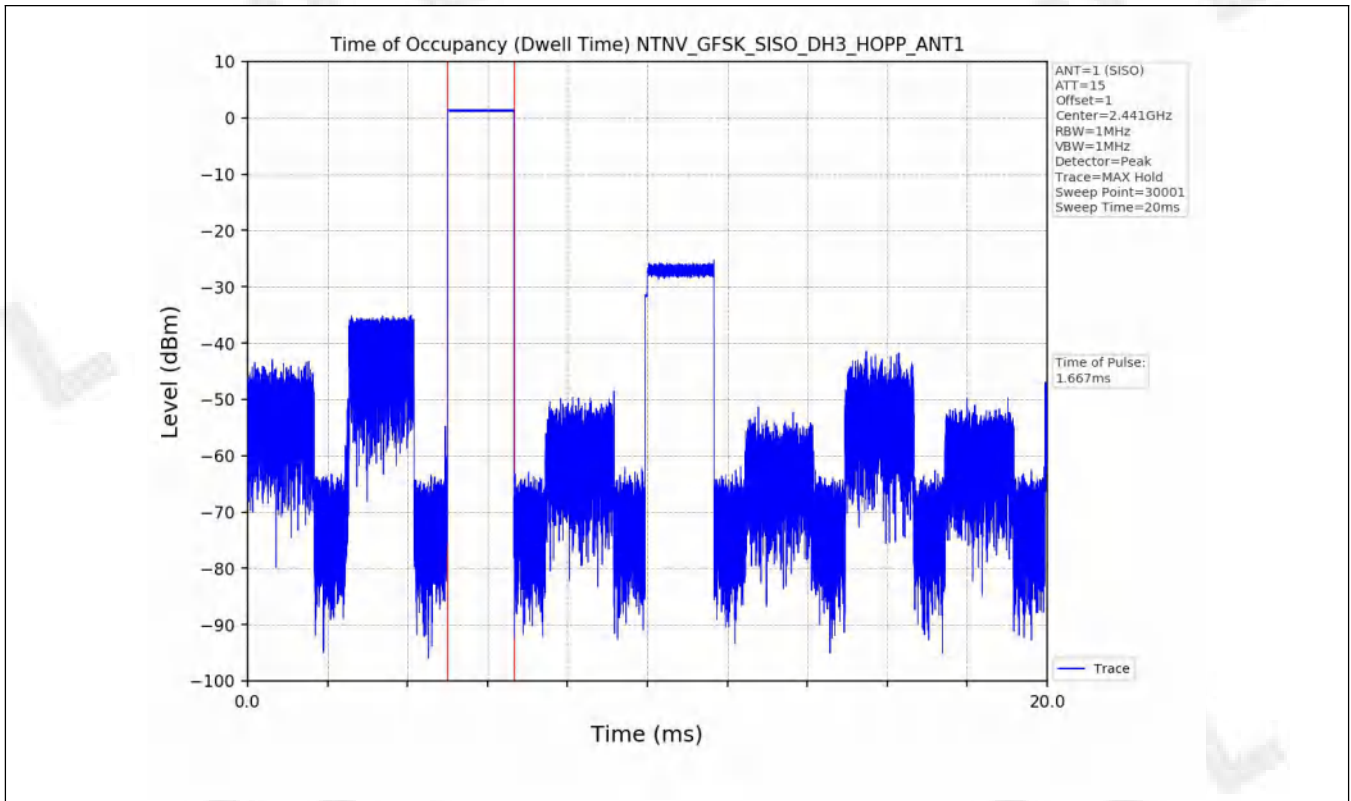
#### 5.1 Test Result

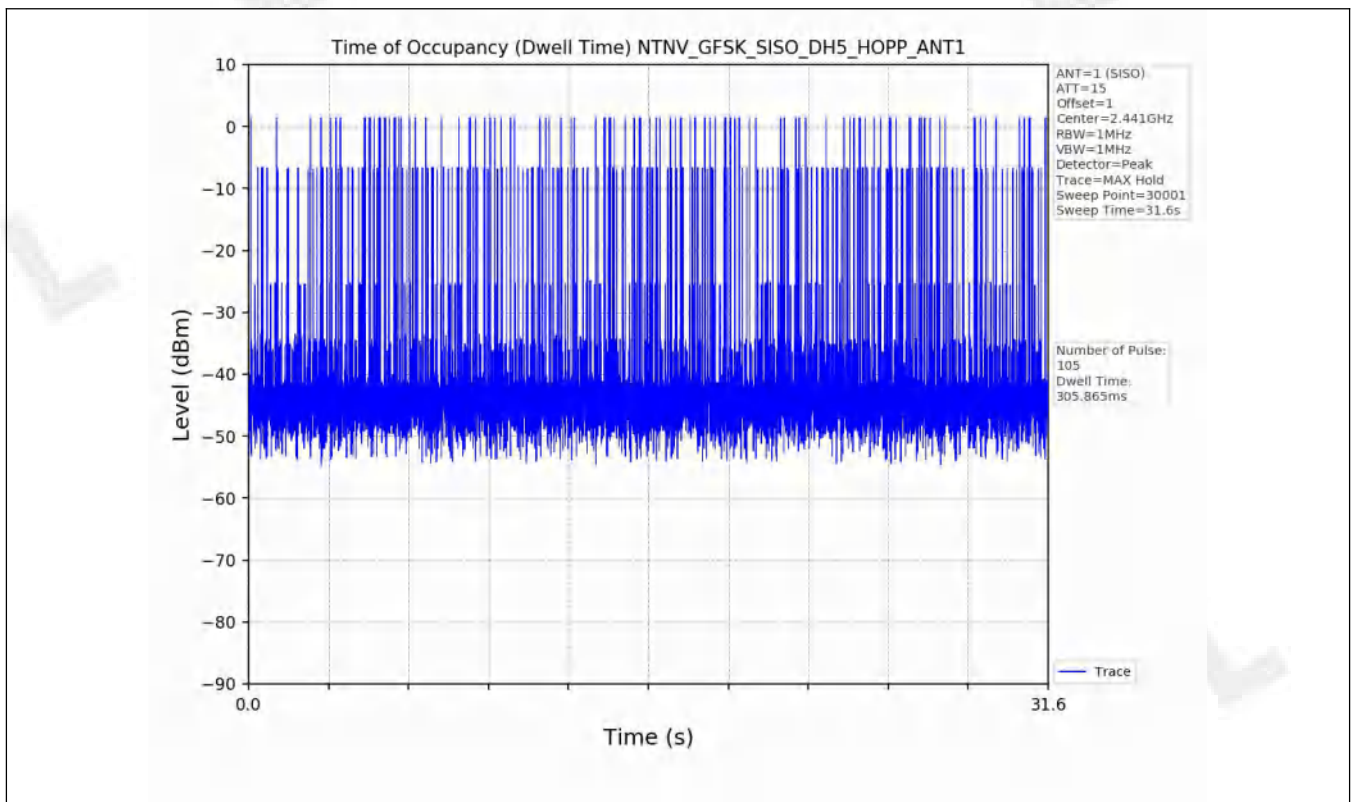
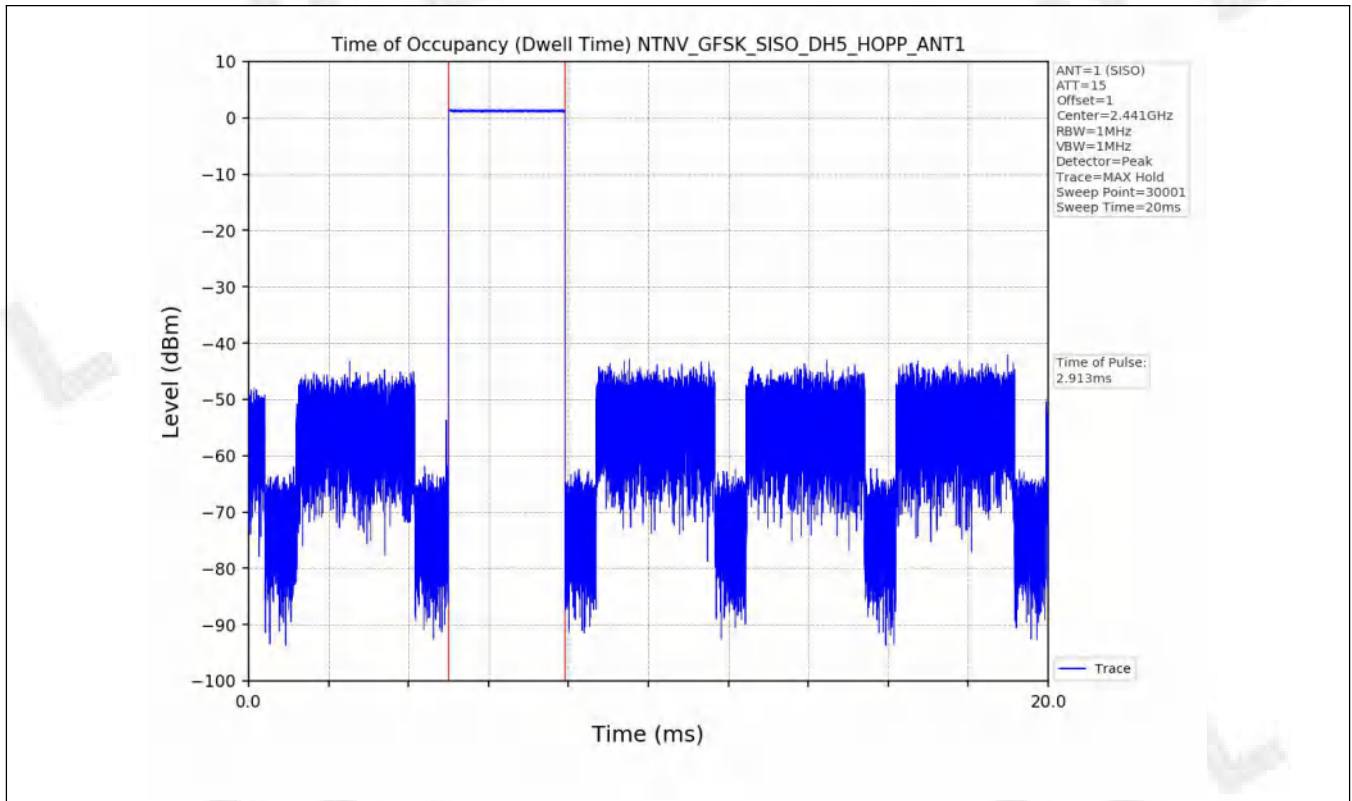
Test Mode	Packet Type	TX Type	ANT No.	Duration of Single Pulse (ms)	Observation Period (s)	Num of Pulse in Observation Period	Dwell Time (ms)	Limits (ms)	Verdict
GFSK	DH1	SISO	1	0.411	31.6	319	131.109	≤400	PASS
	DH3	SISO	1	1.667	31.6	156	260.052	≤400	PASS
	DH5	SISO	1	2.913	31.6	105	305.865	≤400	PASS
Pi/4DQPSK	2DH1	SISO	1	0.421	31.6	319	134.299	≤400	PASS
	2DH3	SISO	1	1.608	31.6	163	262.104	≤400	PASS
	2DH5	SISO	1	2.921	31.6	105	306.705	≤400	PASS
8DPSK	3DH1	SISO	1	0.421	31.6	320	134.720	≤400	PASS
	3DH3	SISO	1	1.673	31.6	161	269.353	≤400	PASS
	3DH5	SISO	1	2.919	31.6	113	329.847	≤400	PASS

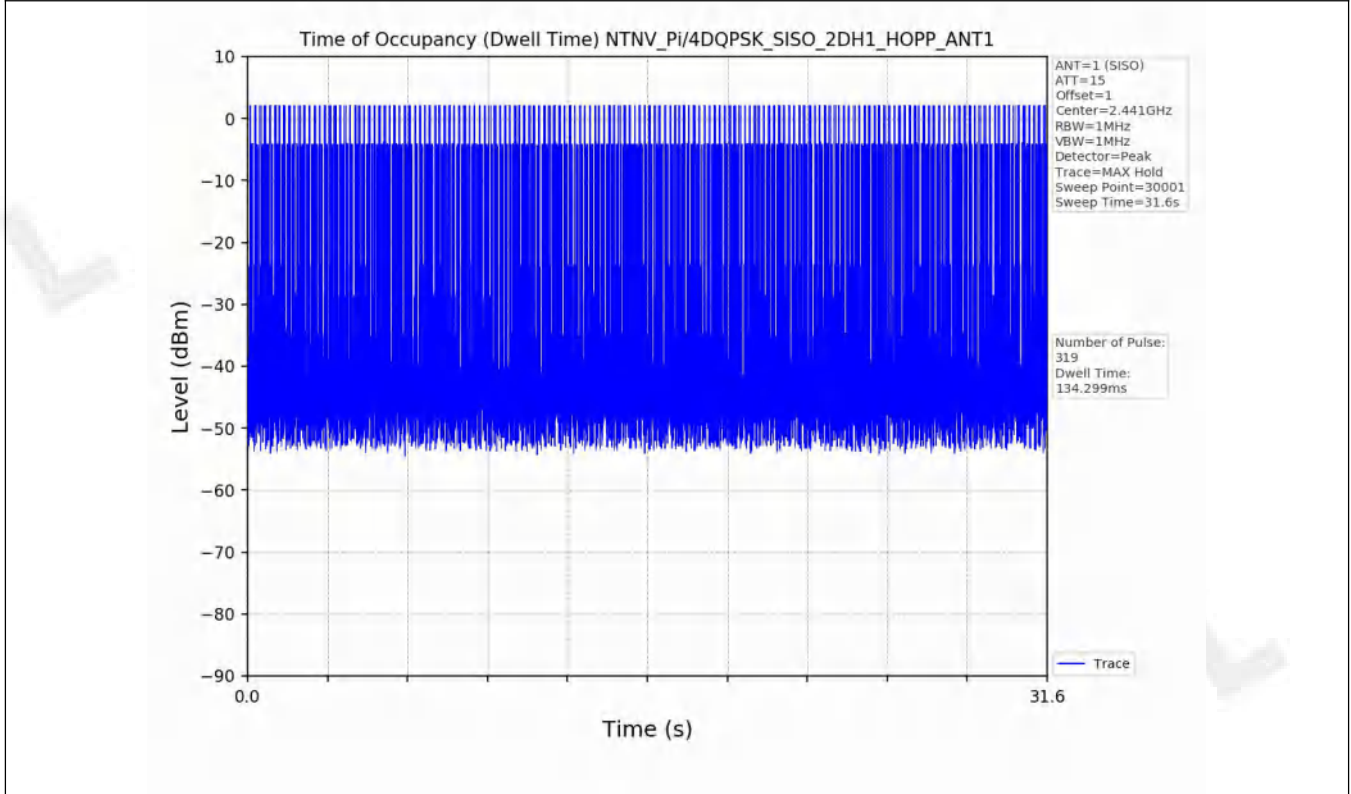
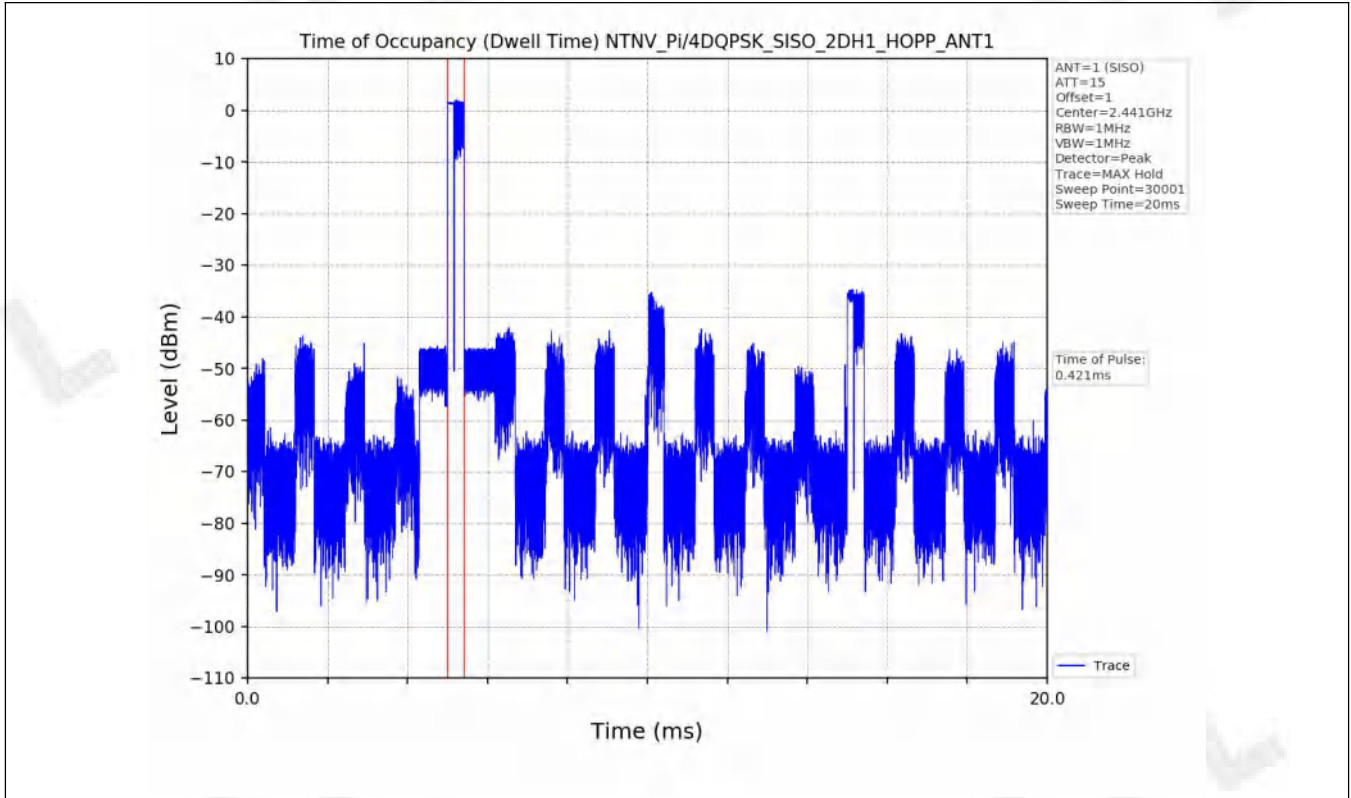
#### 5.2 Test Graph



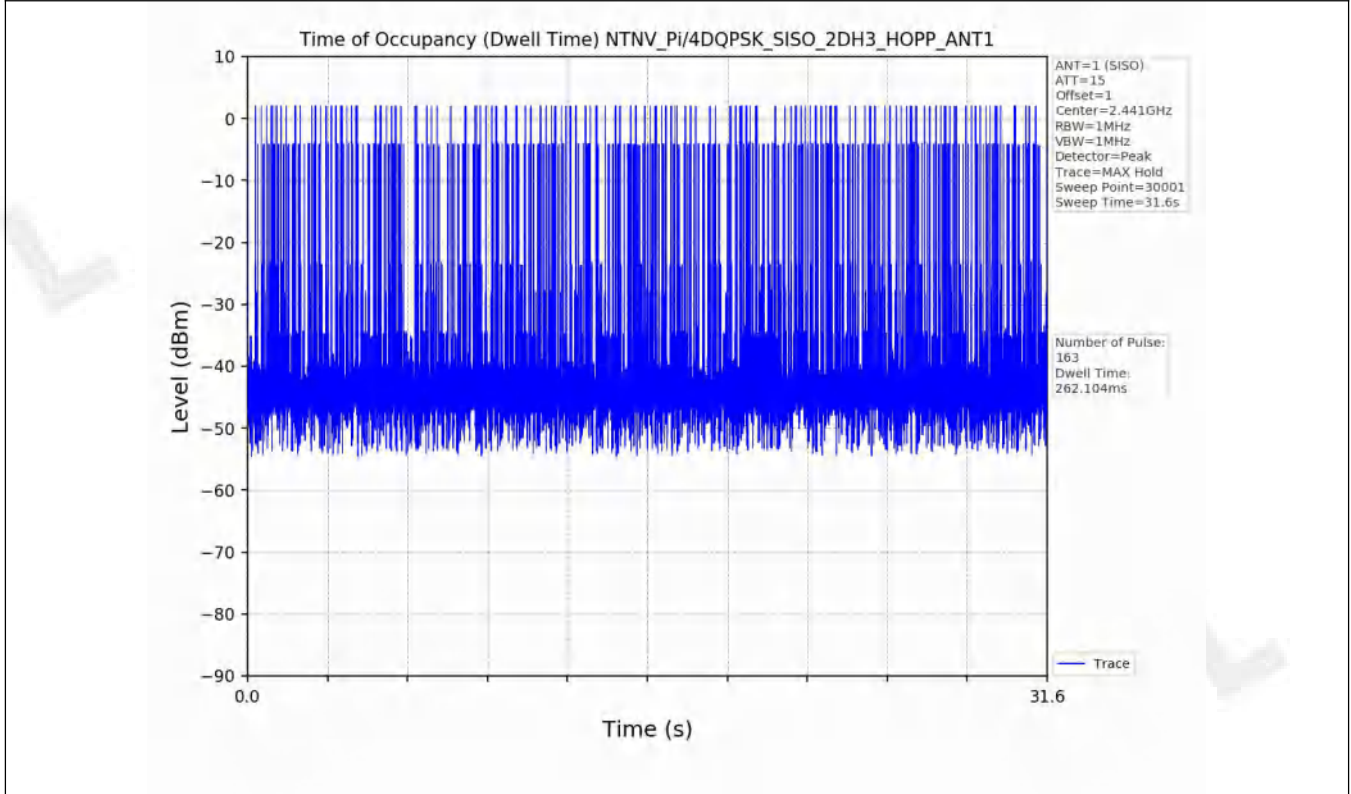
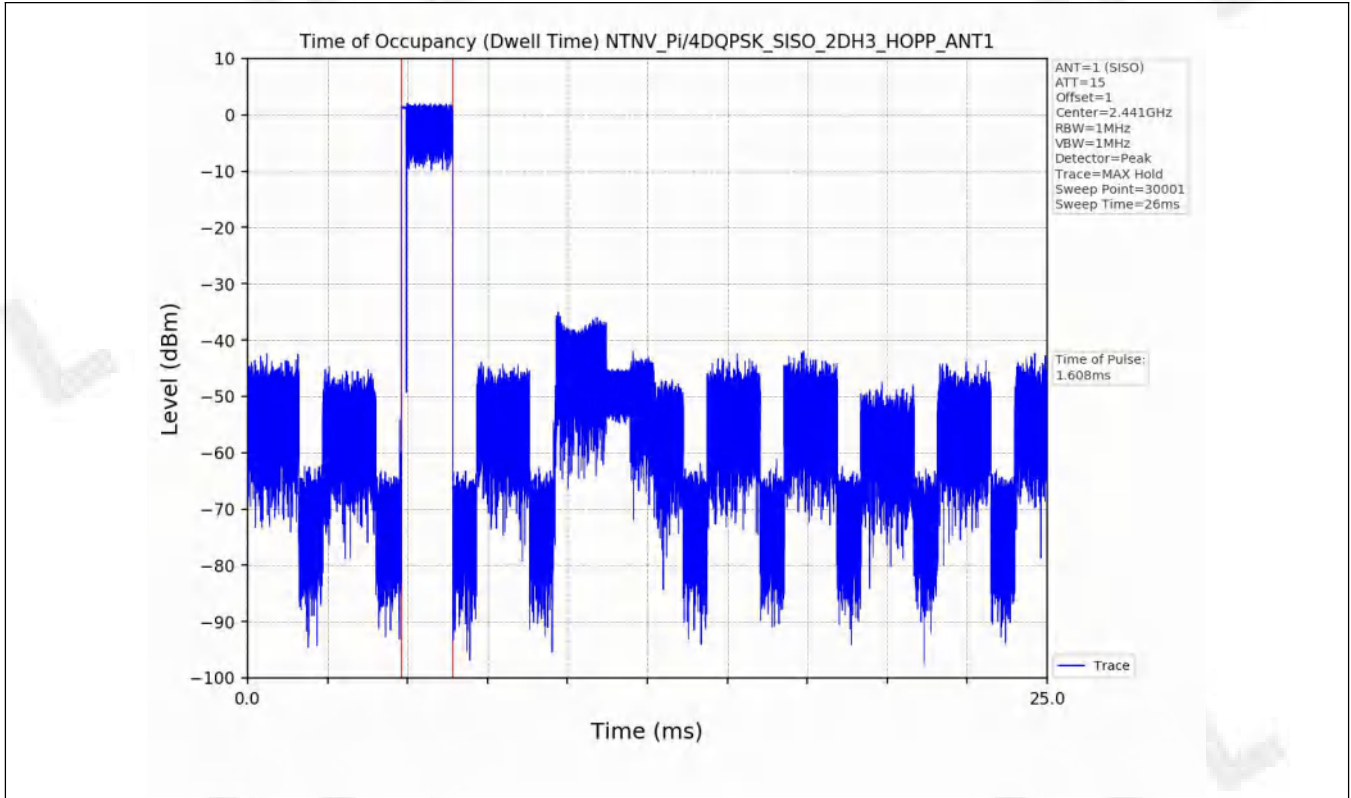


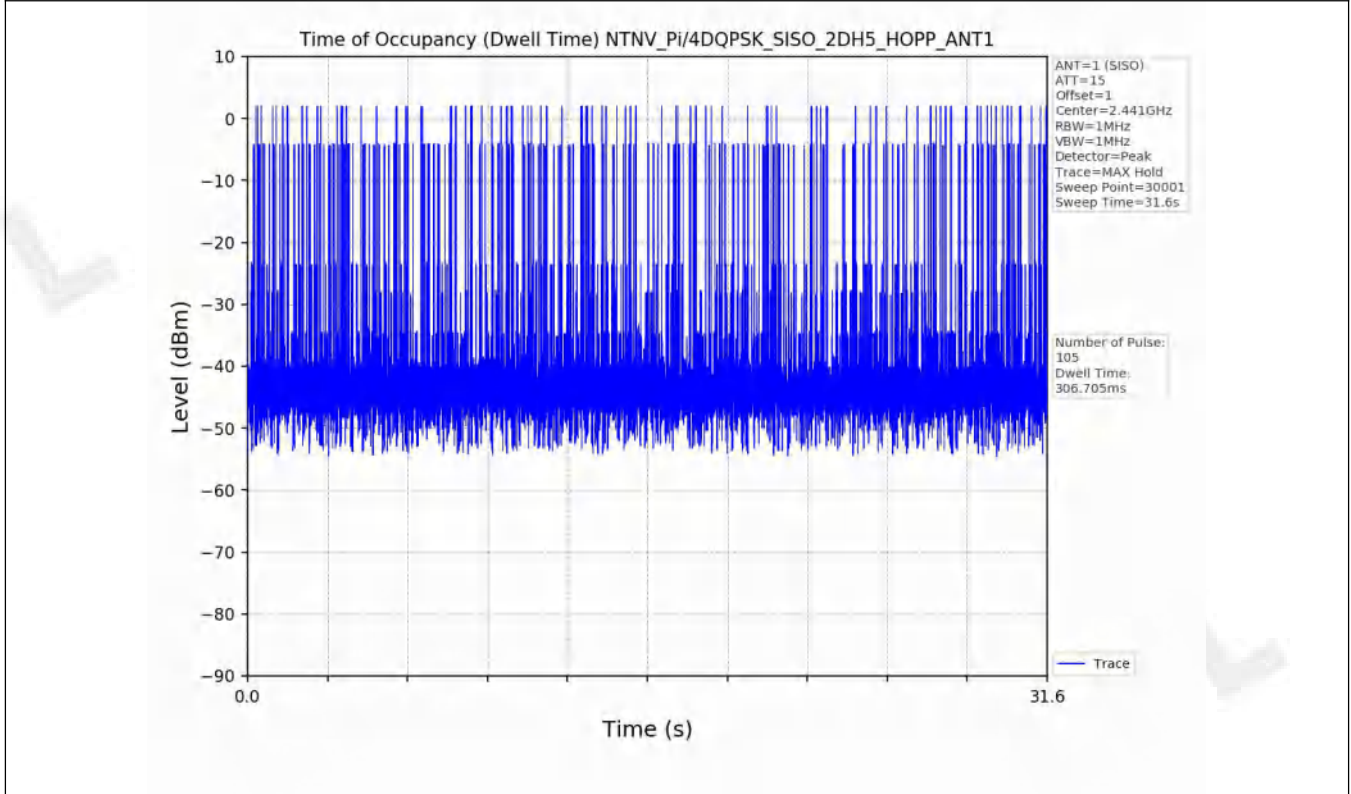
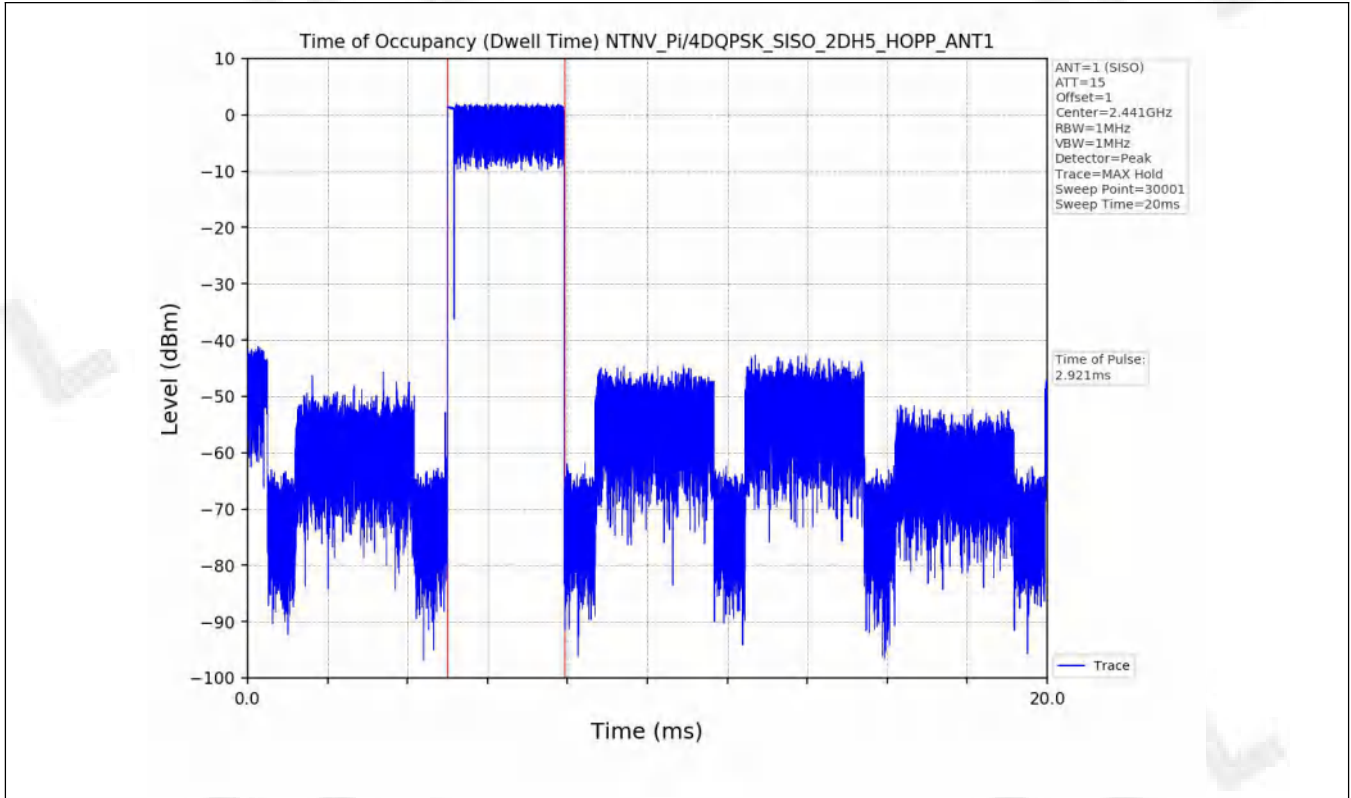




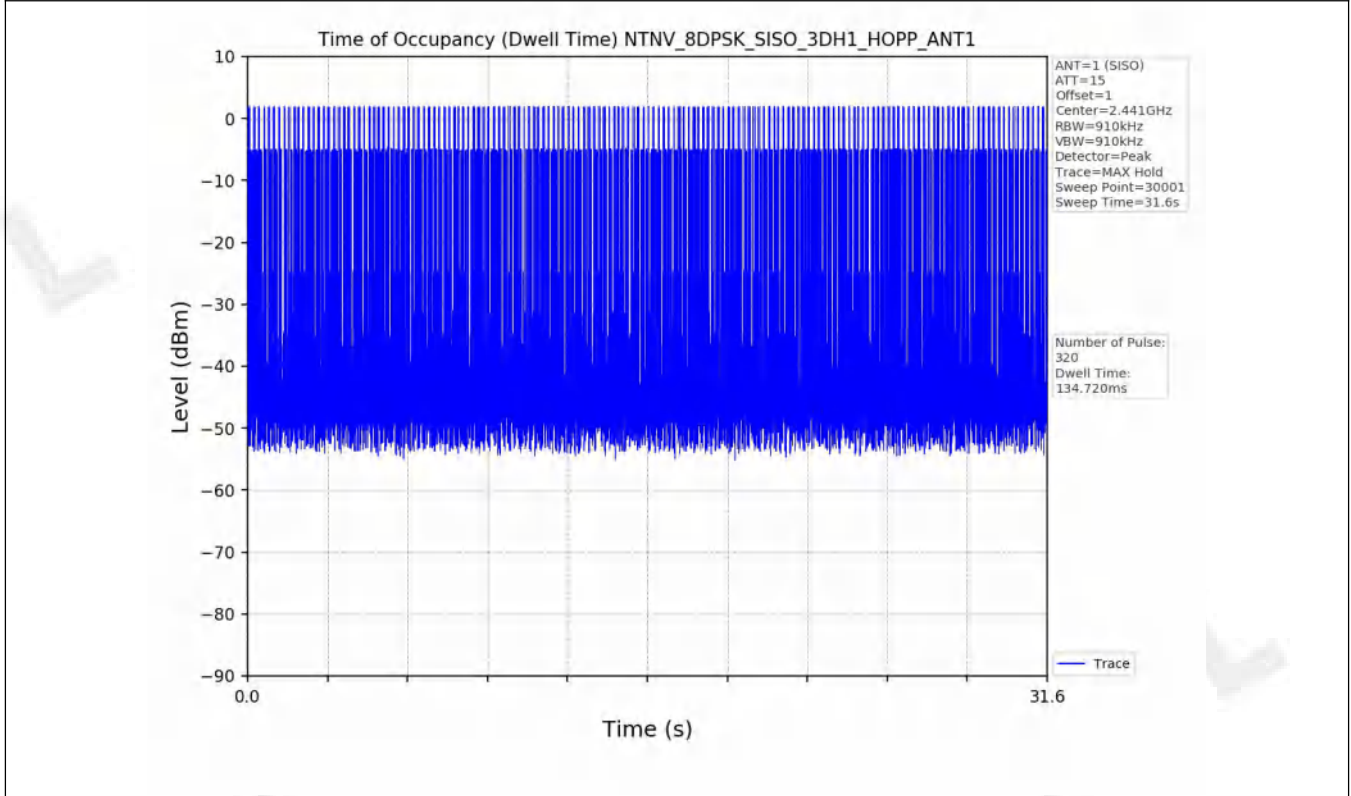
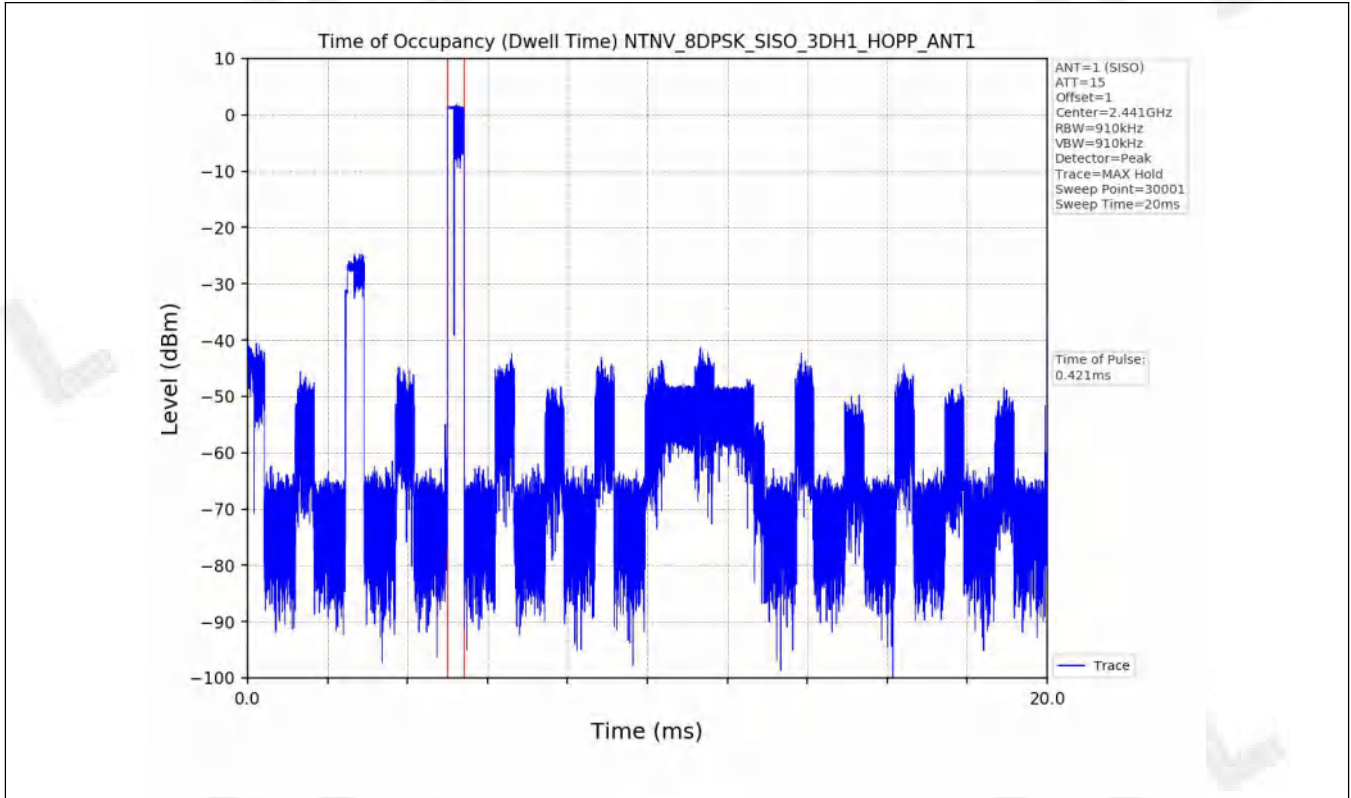


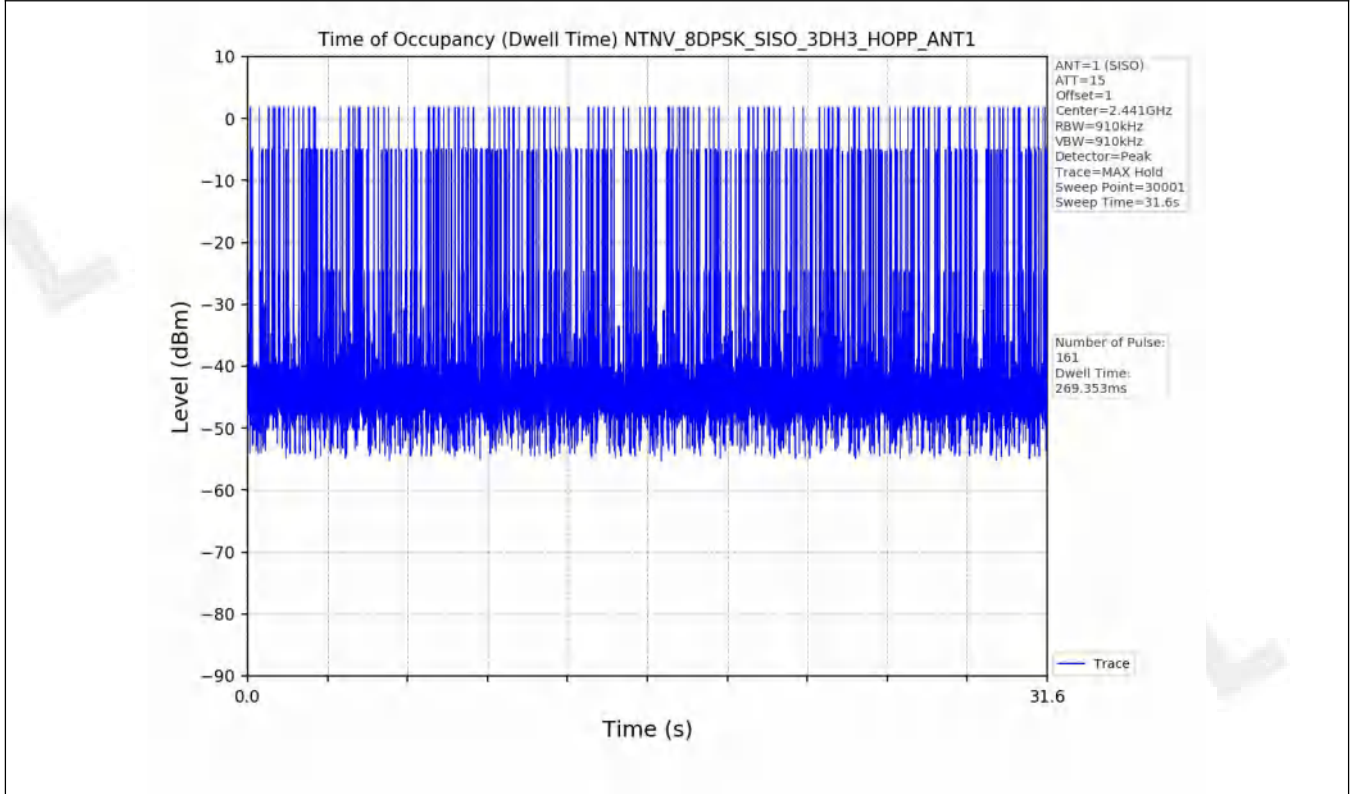
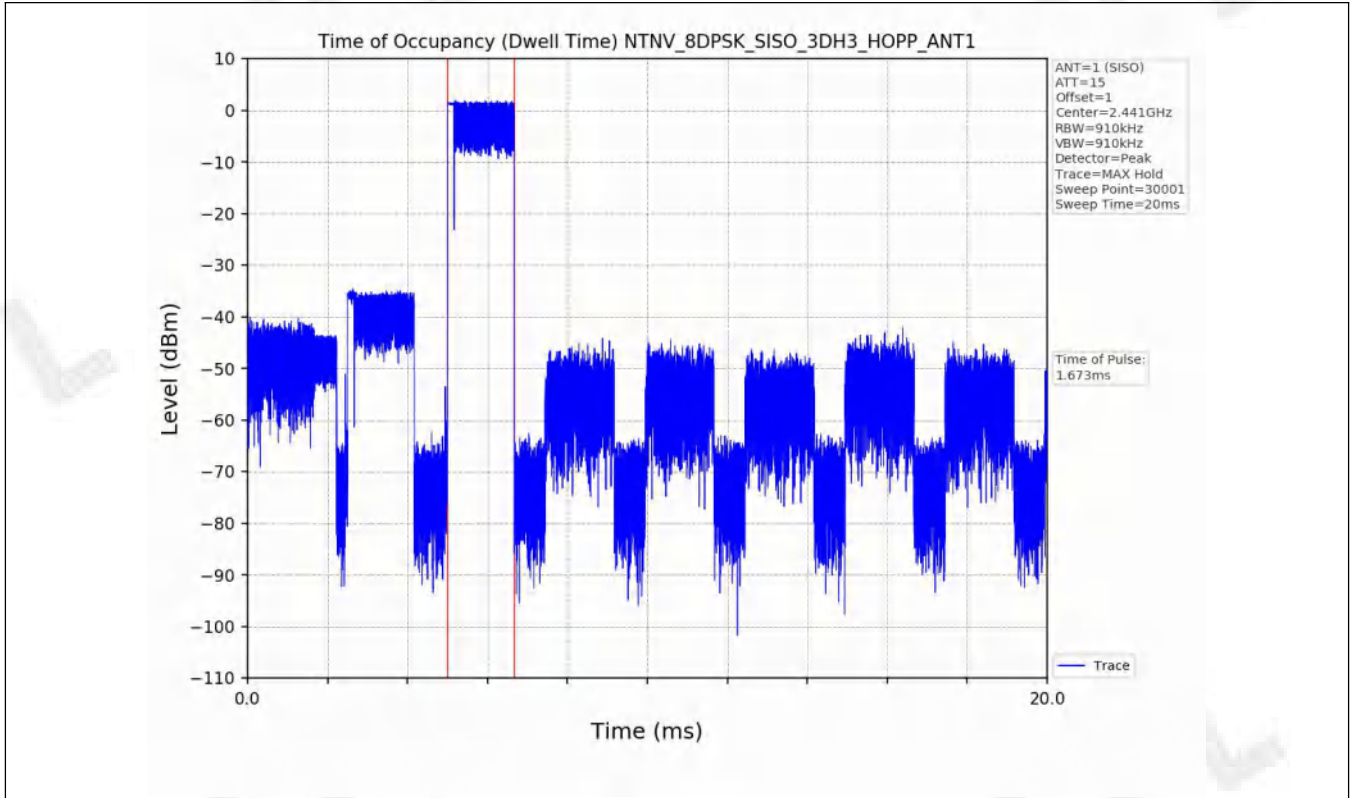


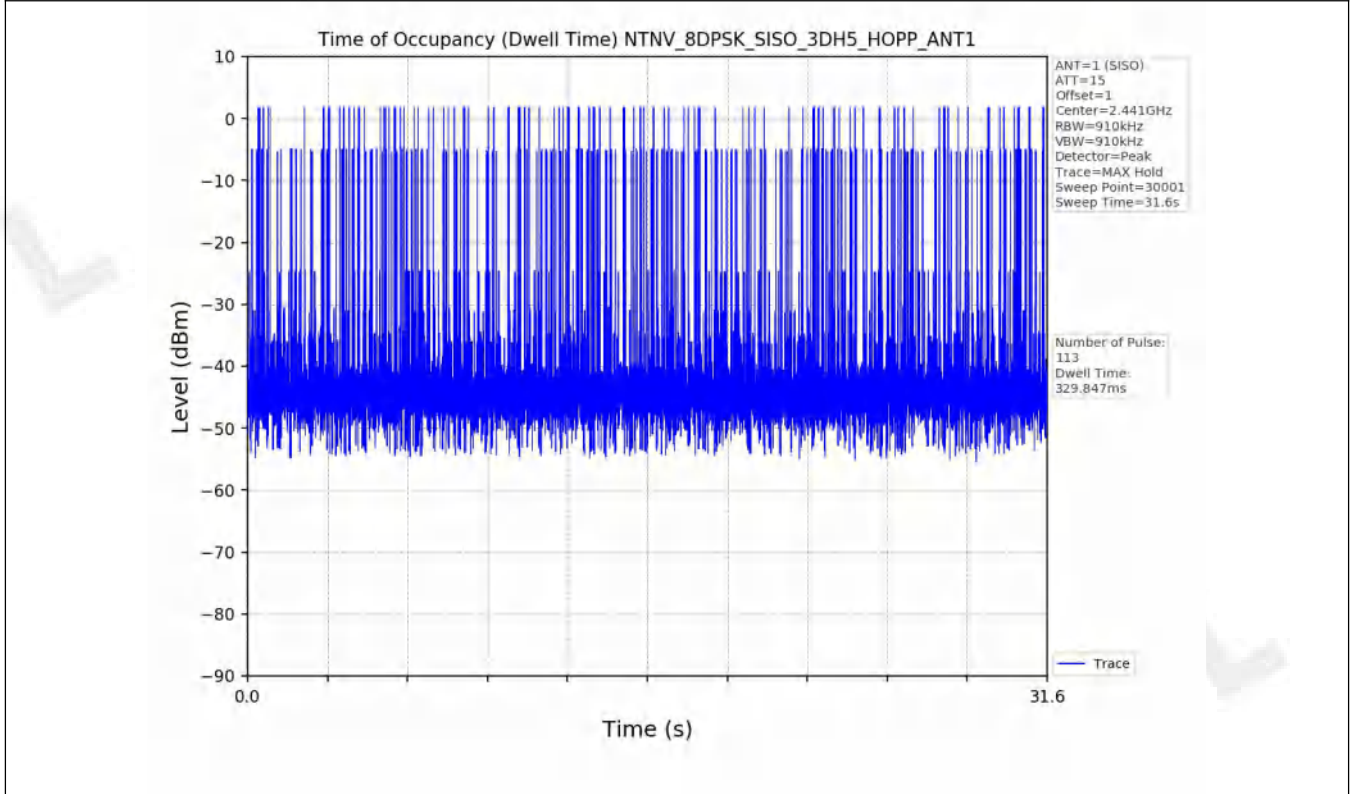
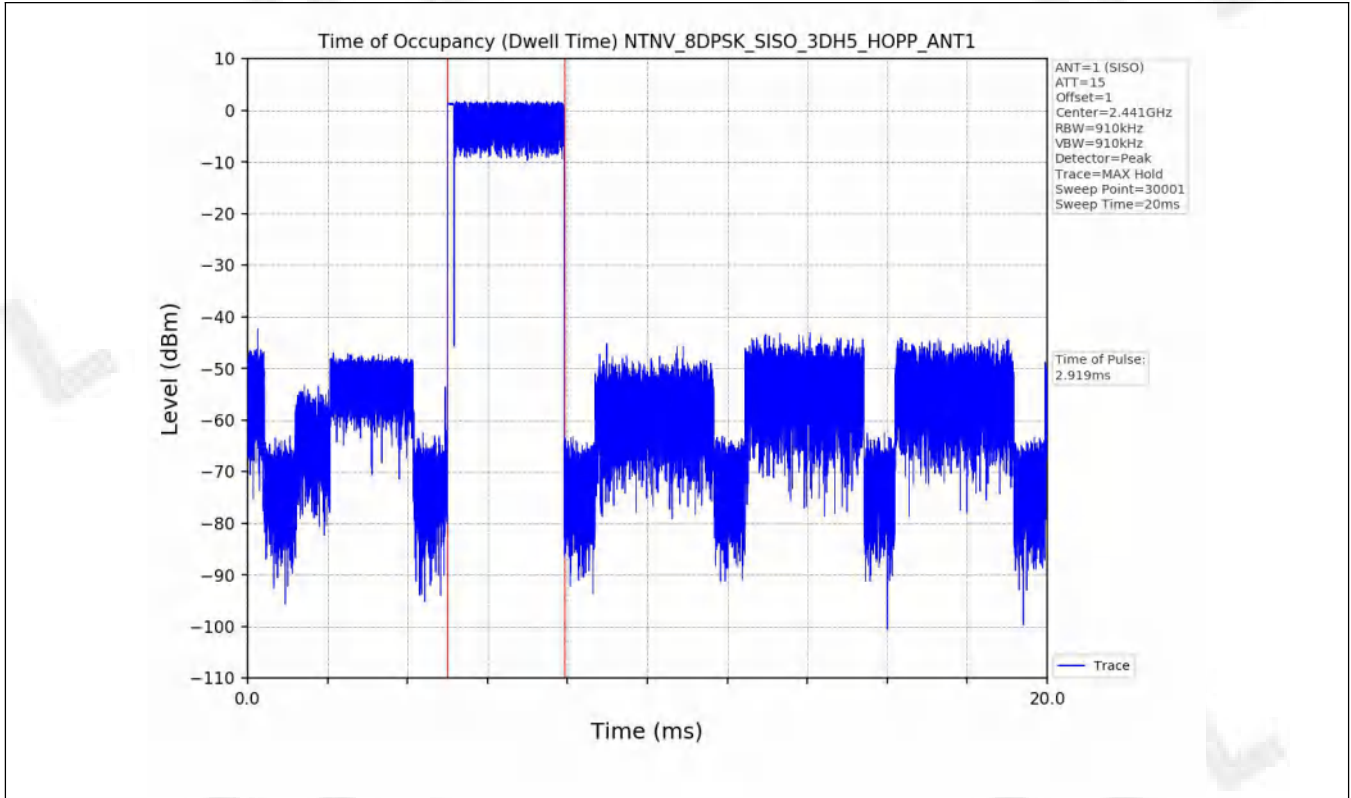












## 6. Unwanted Emissions in Non-restricted Frequency Bands

### 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	-18.46	PASS
	2441	SISO	1	Refer to test graph	-18.46	PASS
	2480	SISO	1	Refer to test graph	-18.46	PASS
	Hopping	SISO	1	Refer to test graph	-18.46	PASS
Pi/4DQPSK	2402	SISO	1	Refer to test graph	-18.43	PASS
	2441	SISO	1	Refer to test graph	-18.43	PASS
	2480	SISO	1	Refer to test graph	-18.43	PASS
	Hopping	SISO	1	Refer to test graph	-18.43	PASS
8DPSK	2402	SISO	1	Refer to test graph	-18.43	PASS
	2441	SISO	1	Refer to test graph	-18.43	PASS
	2480	SISO	1	Refer to test graph	-18.43	PASS
	Hopping	SISO	1	Refer to test graph	-18.43	PASS

### 6.2 Test Graph

