



## Appendix for 15.247

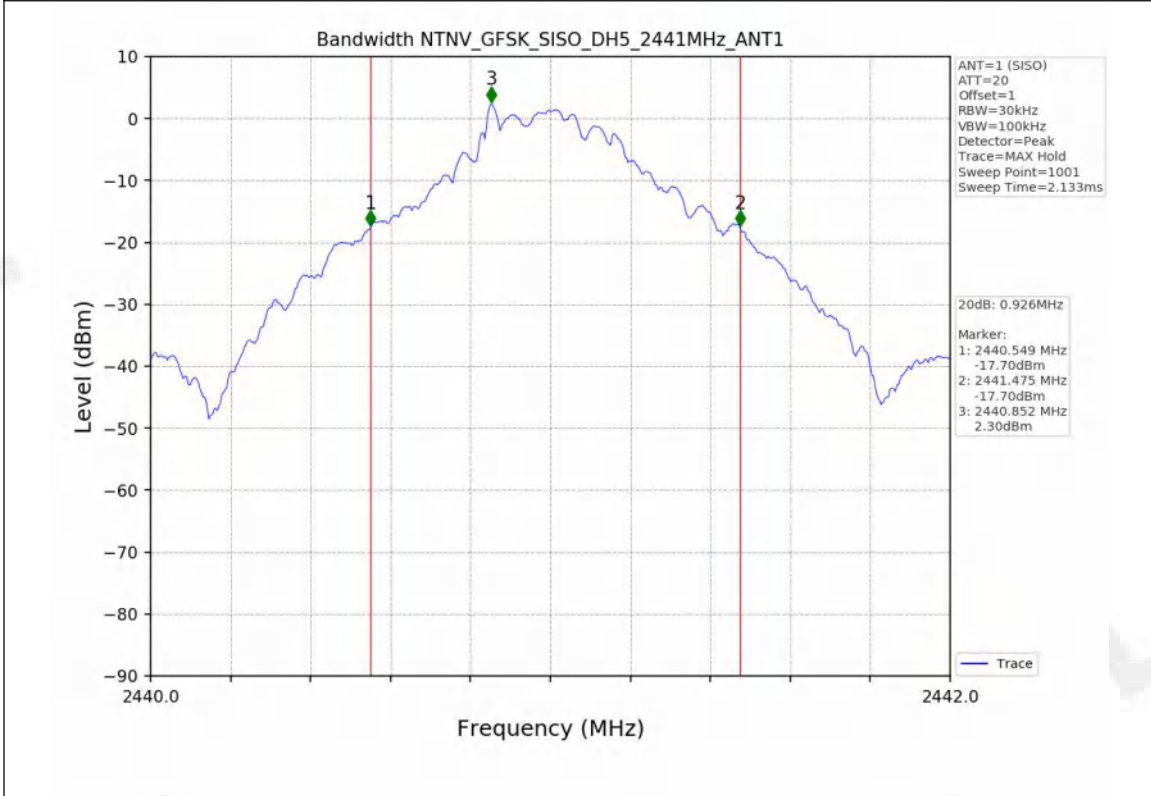
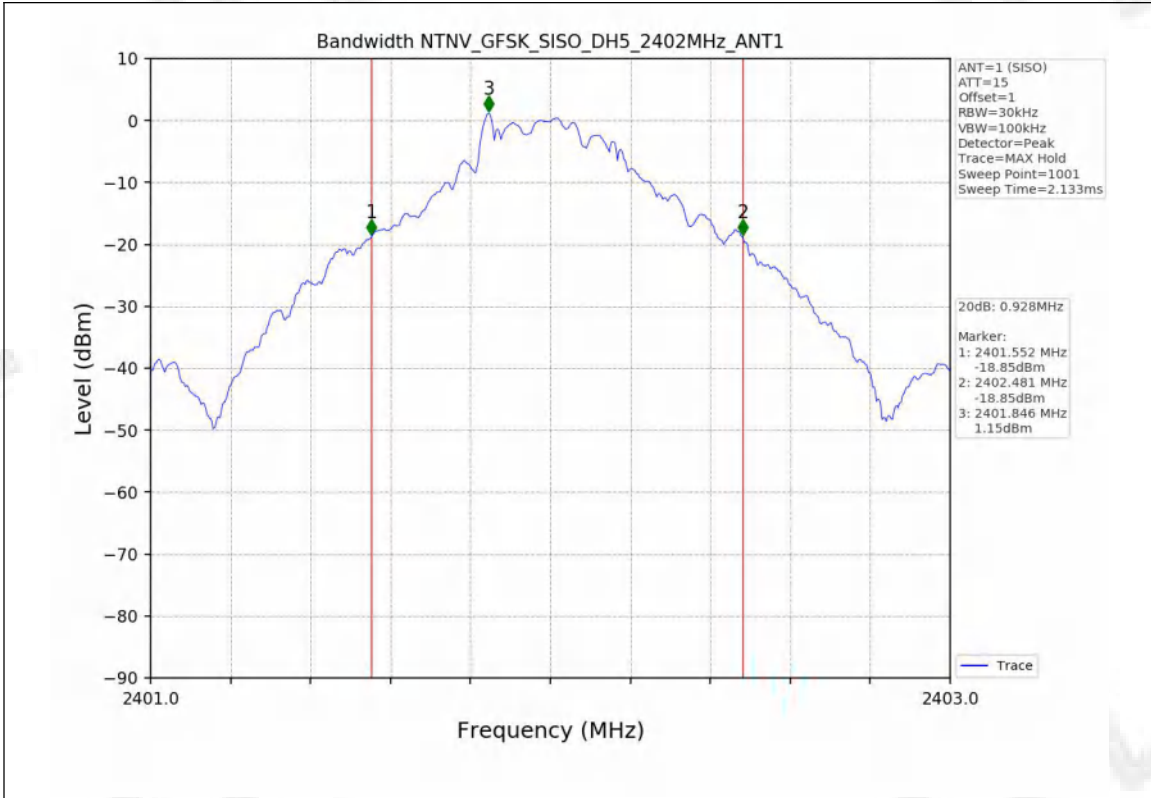
### 1. Bandwidth

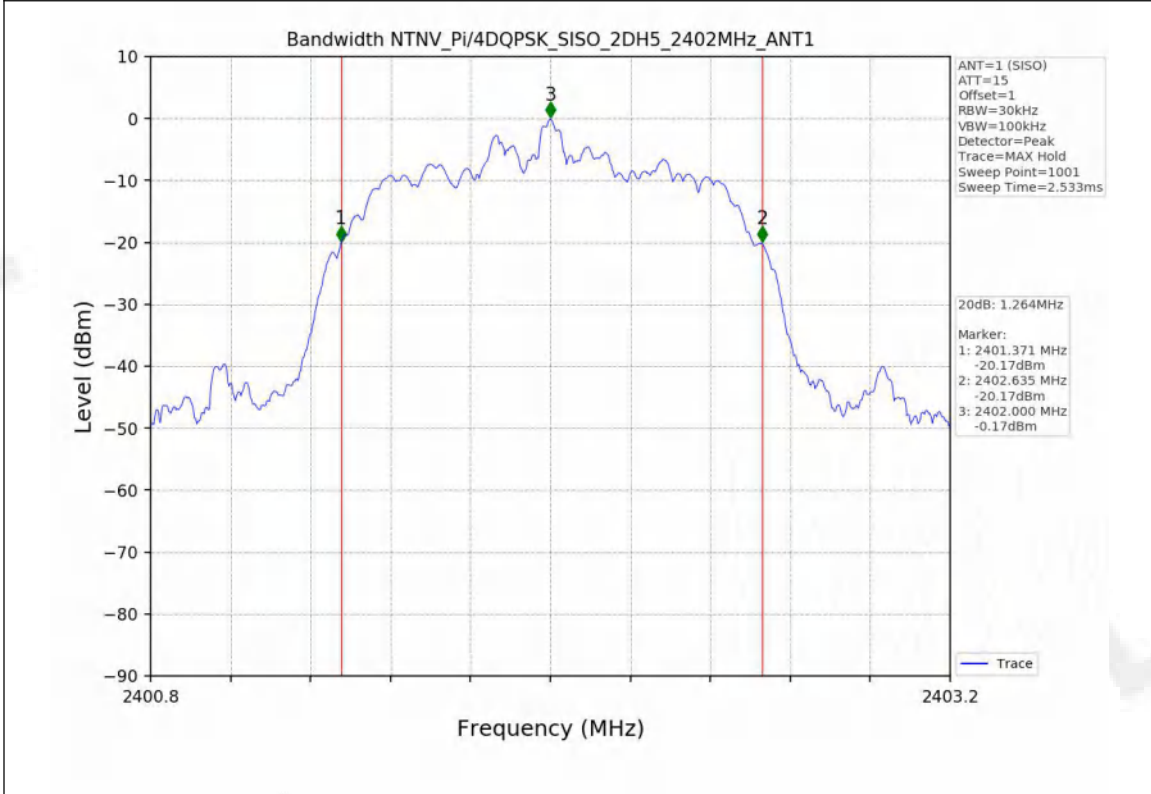
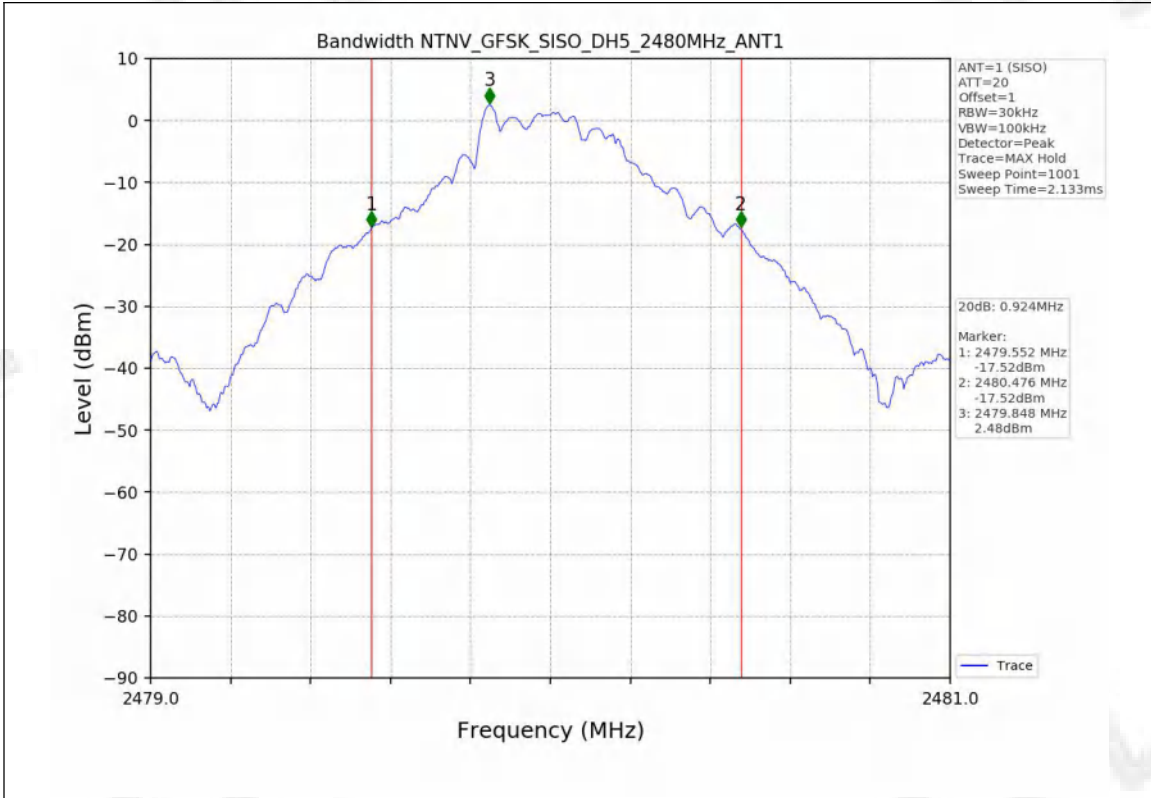
#### 1.1 Test Result

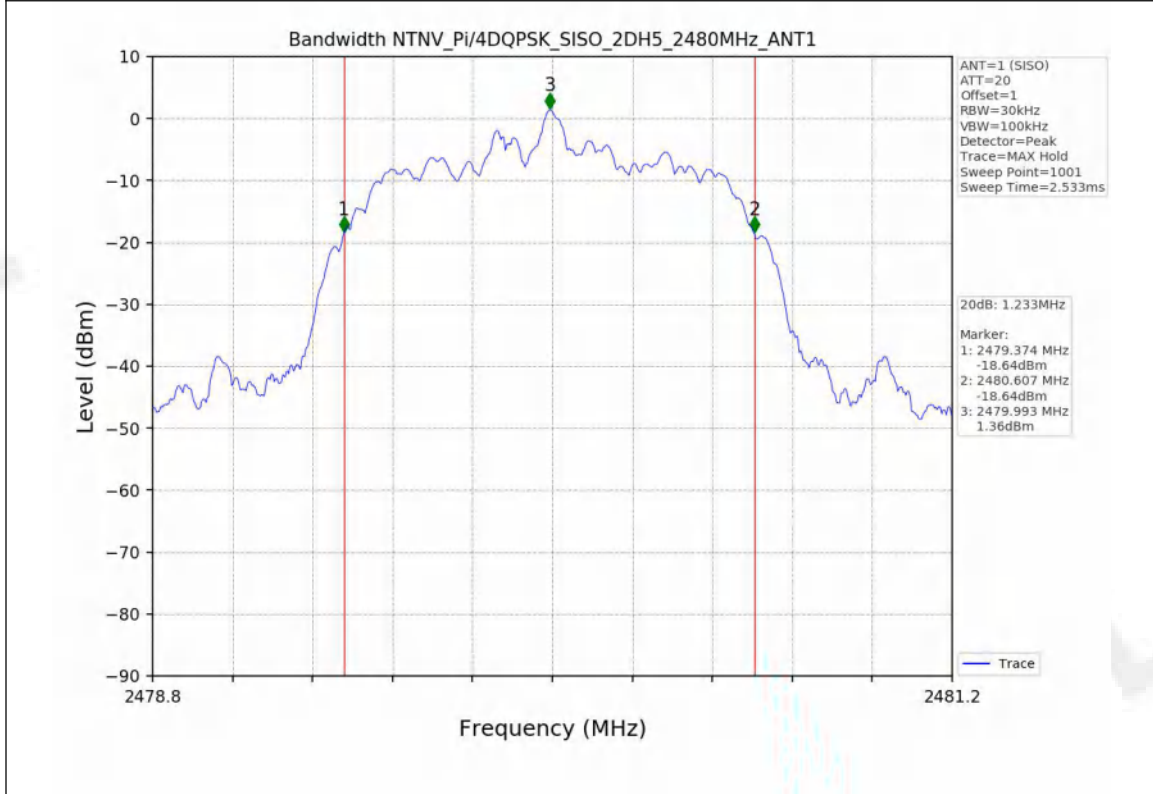
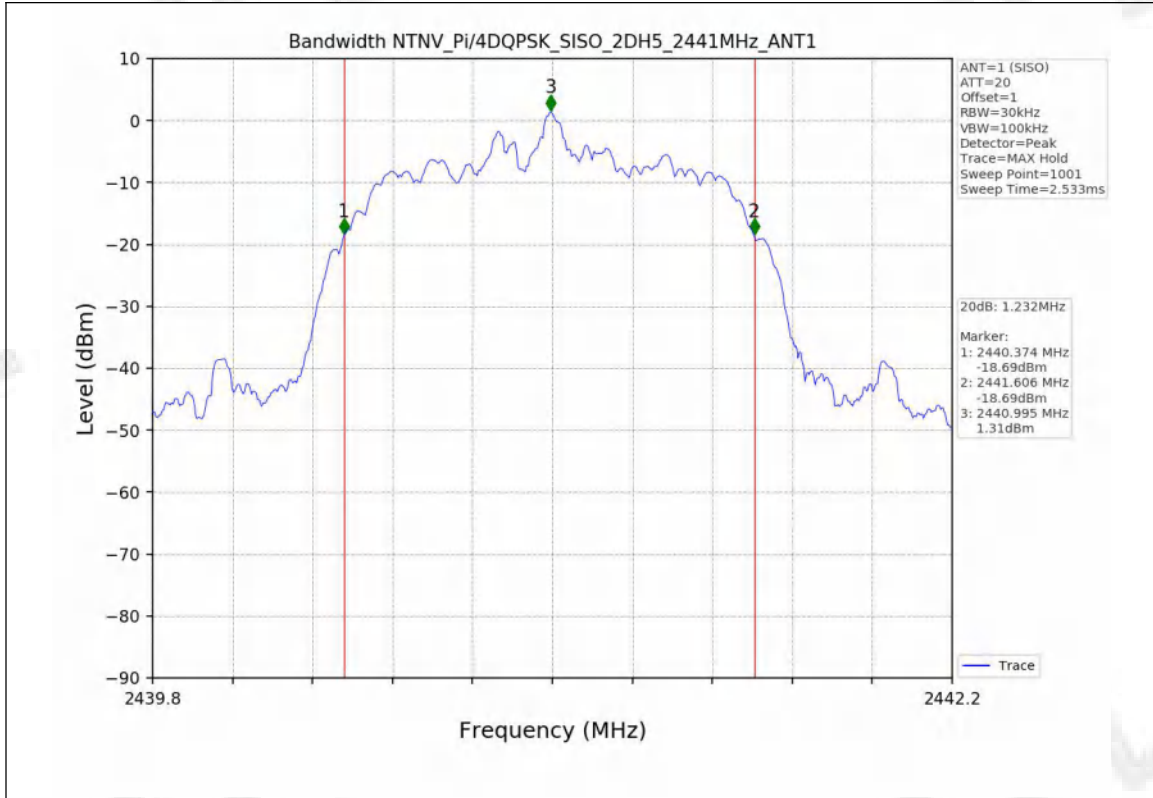
Test Mode	Frequency (MHz)	TX Type	ANT No.	20dB Bandwidth	Verdict
				Test Result (MHz)	
GFSK	2402	SISO	1	0.928	PASS
	2441	SISO	1	0.926	PASS
	2480	SISO	1	0.924	PASS
Pi/4DQPSK	2402	SISO	1	1.264	PASS
	2441	SISO	1	1.232	PASS
	2480	SISO	1	1.233	PASS
8DPSK	2402	SISO	1	1.245	PASS
	2441	SISO	1	1.248	PASS
	2480	SISO	1	1.248	PASS

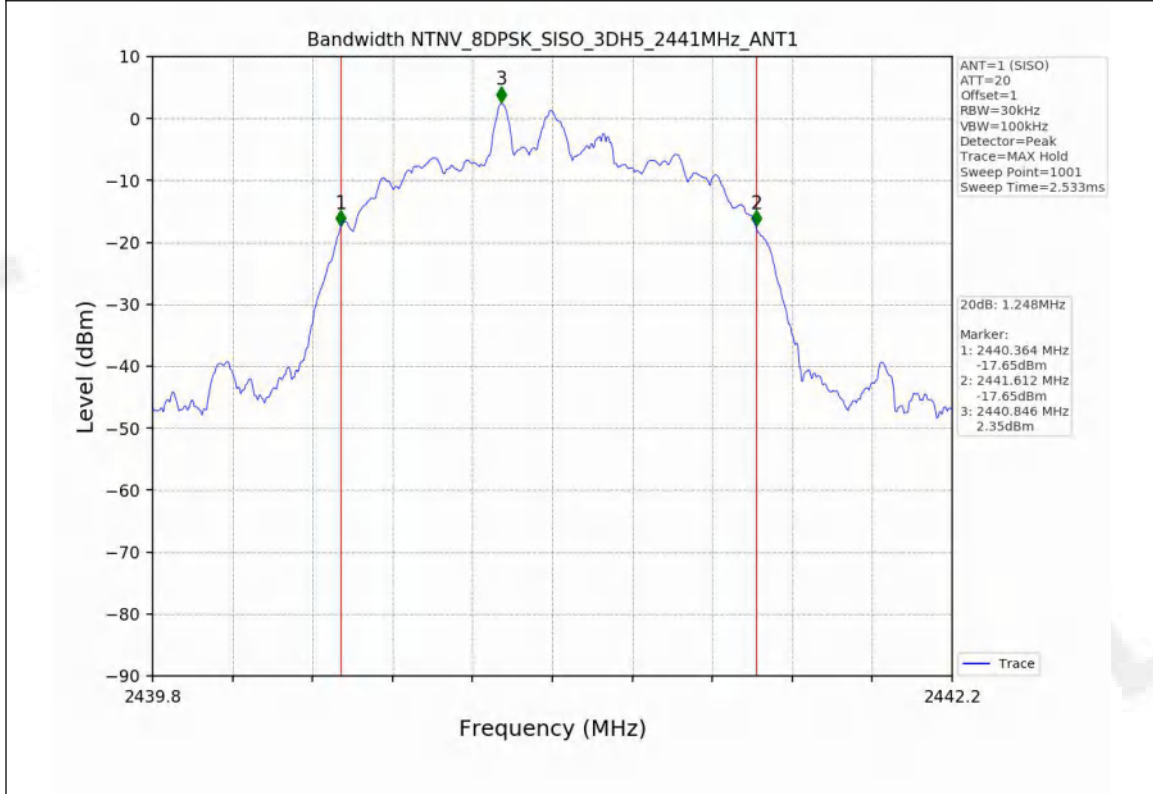
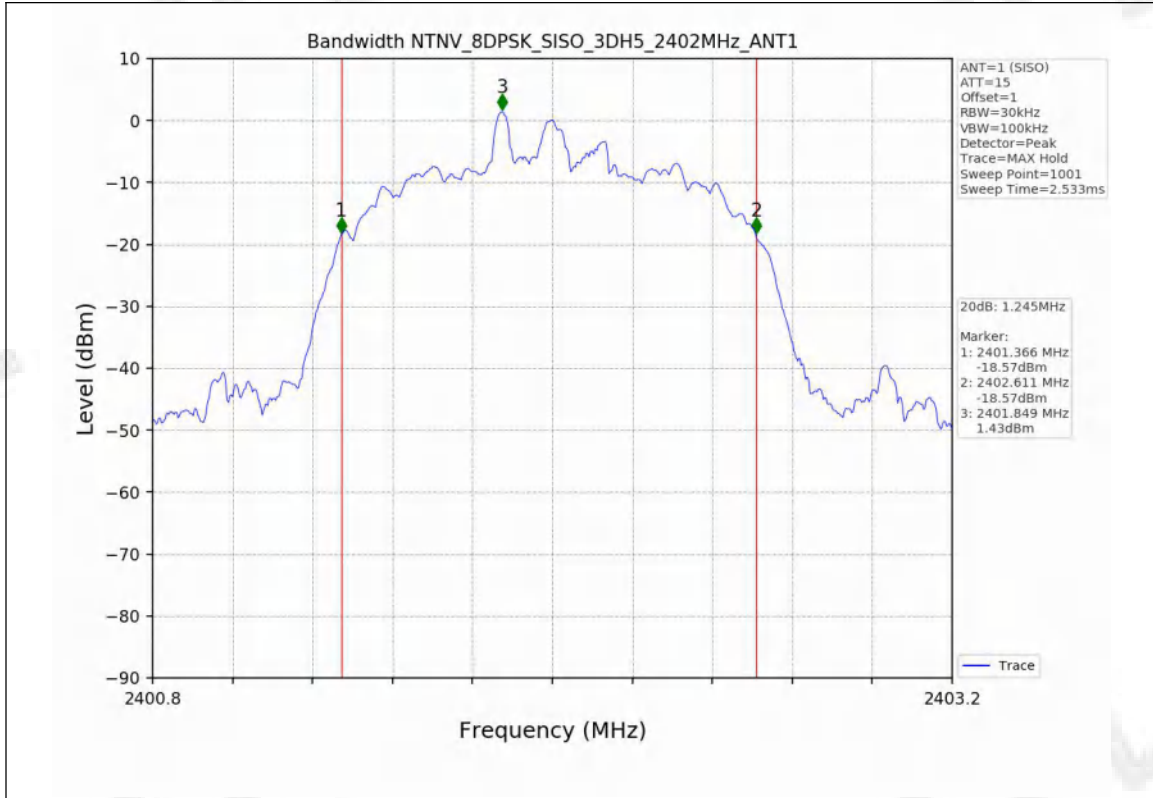
Test Mode	Frequency (MHz)	TX Type	ANT No.	99% Occupied Bandwidth	
				Test Result (MHz)	
GFSK	2402	SISO	1	0.857	Only for Report Use
	2441	SISO	1	0.855	Only for Report Use
	2480	SISO	1	0.852	Only for Report Use
Pi/4DQPSK	2402	SISO	1	1.156	Only for Report Use
	2441	SISO	1	1.160	Only for Report Use
	2480	SISO	1	1.159	Only for Report Use
8DPSK	2402	SISO	1	1.151	Only for Report Use
	2441	SISO	1	1.153	Only for Report Use
	2480	SISO	1	1.151	Only for Report Use

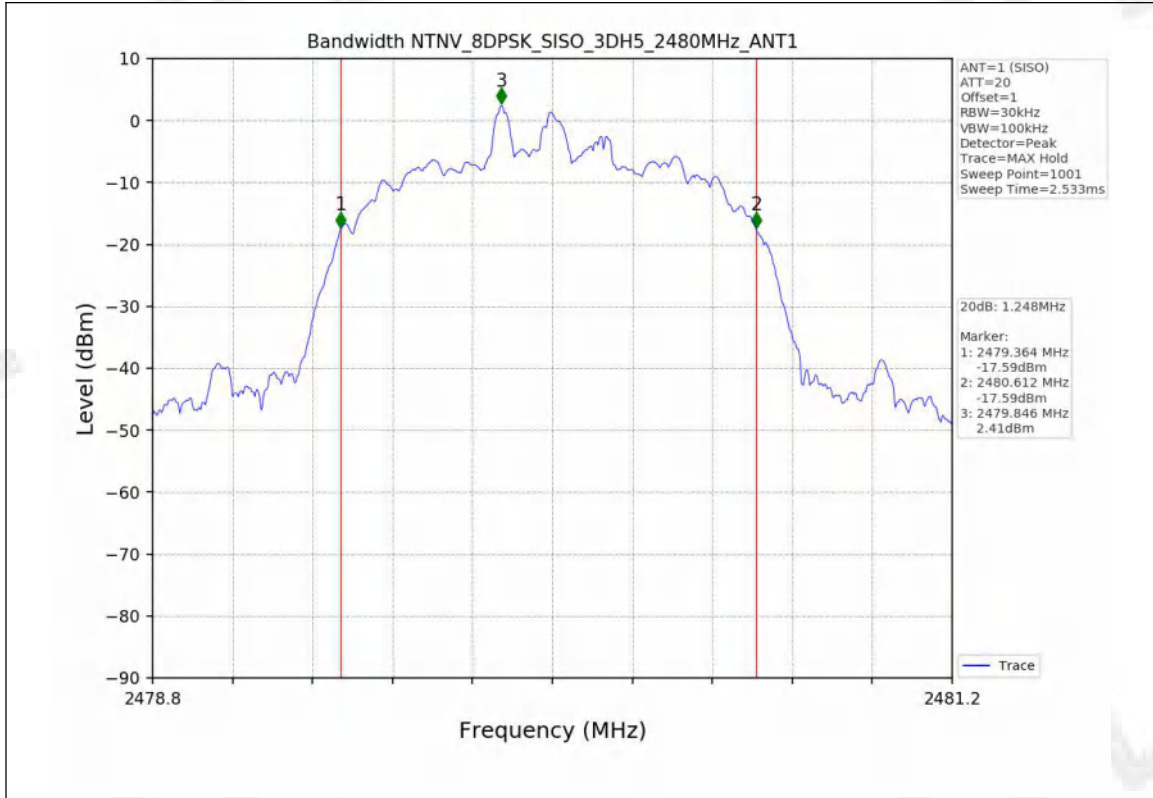
#### 1.2 Test Graph - 20dB Bandwidth



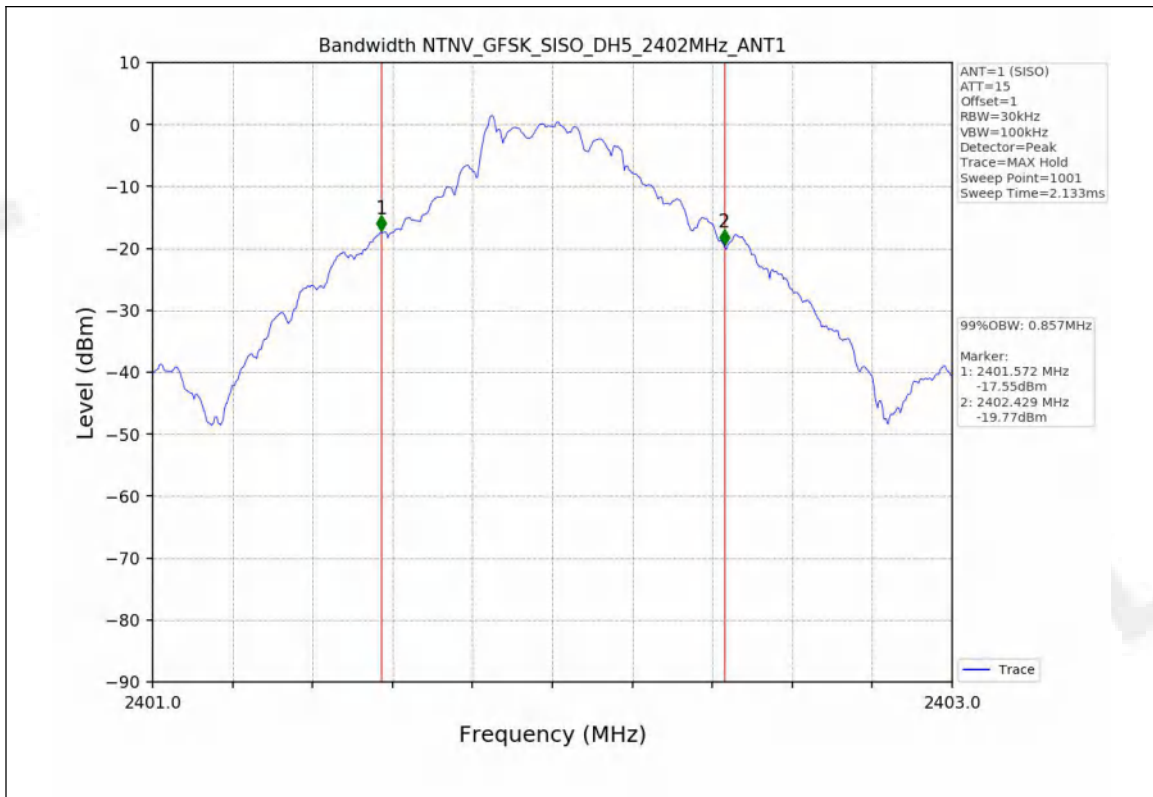




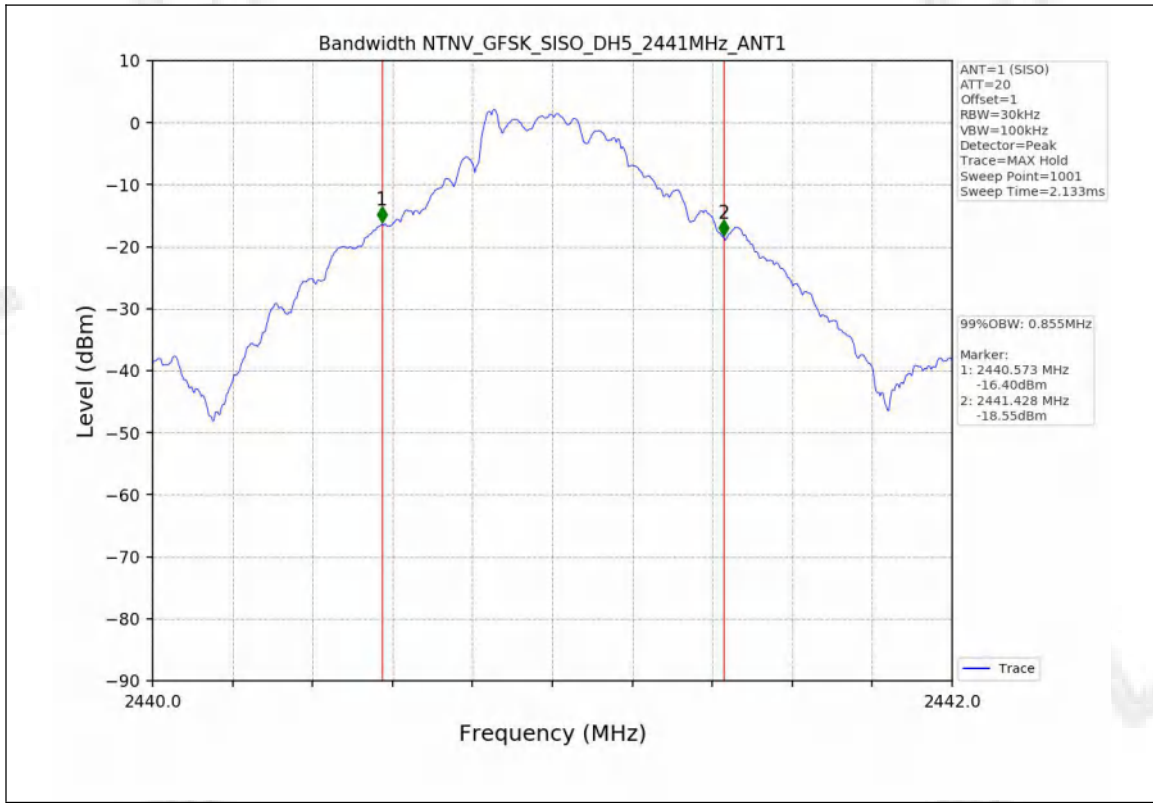


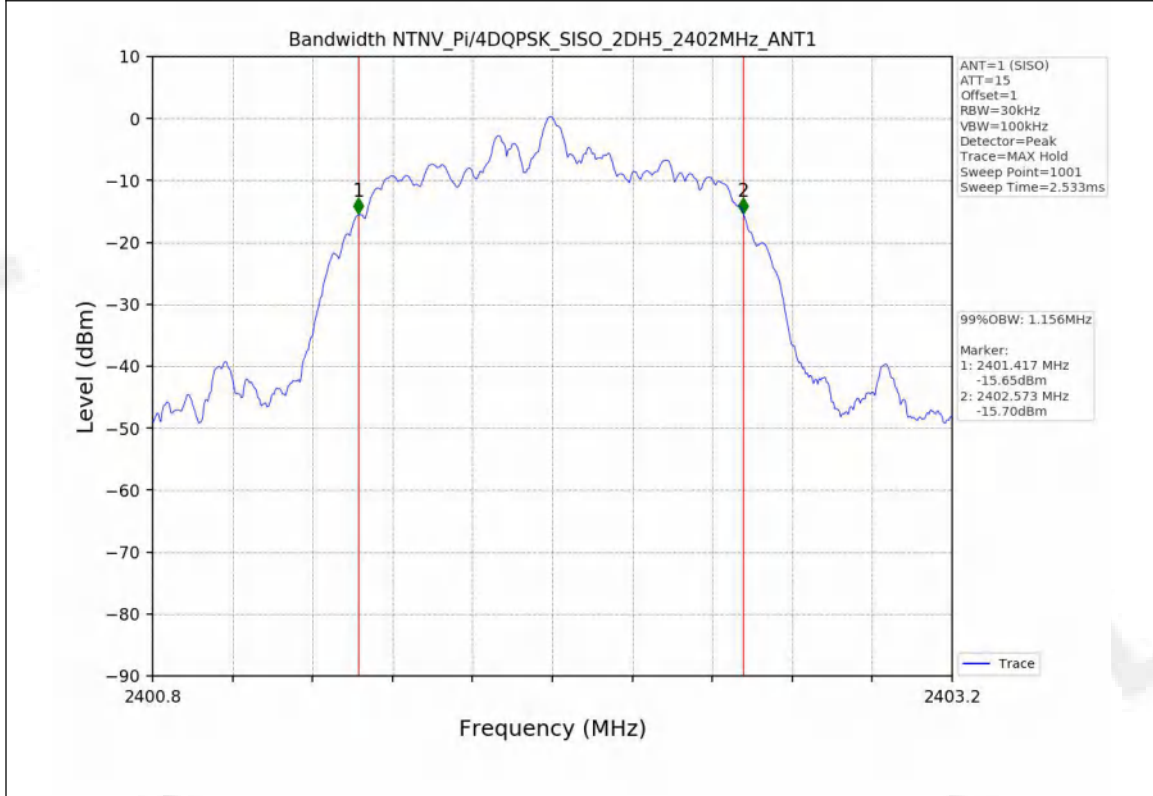
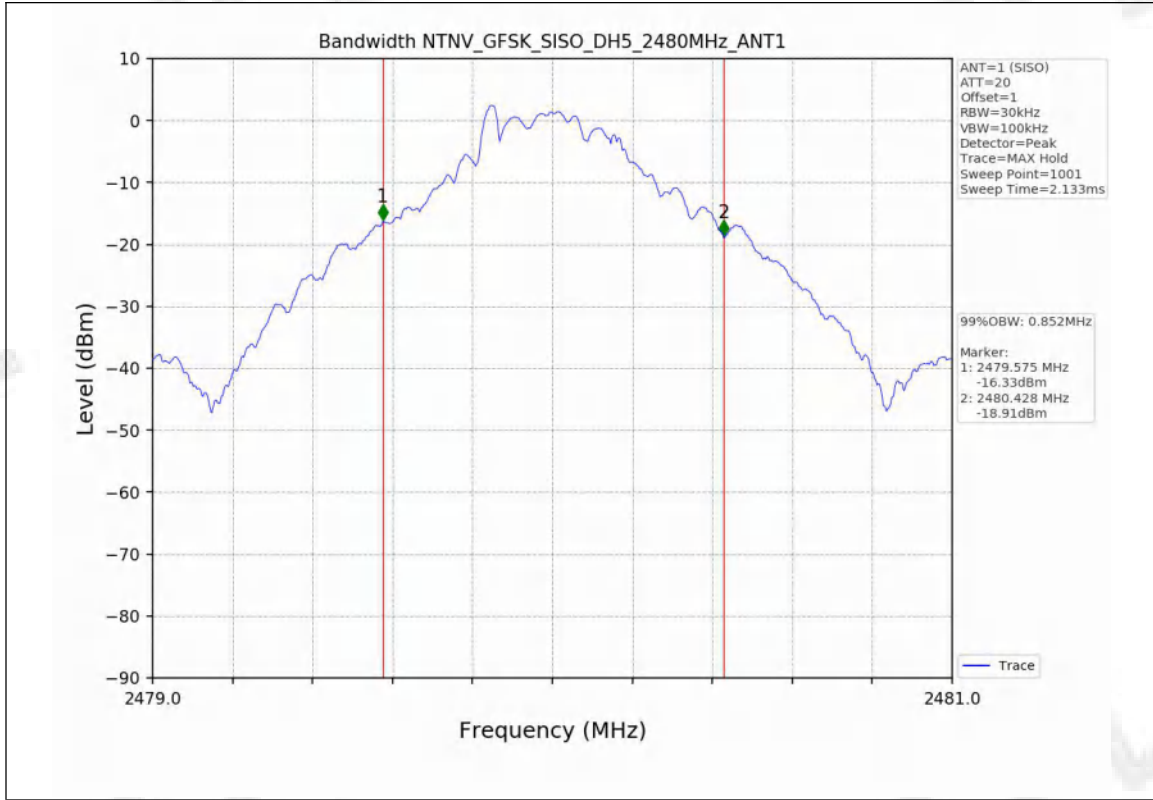


### 1.3 Test Graph - 99% Occupied Bandwidth

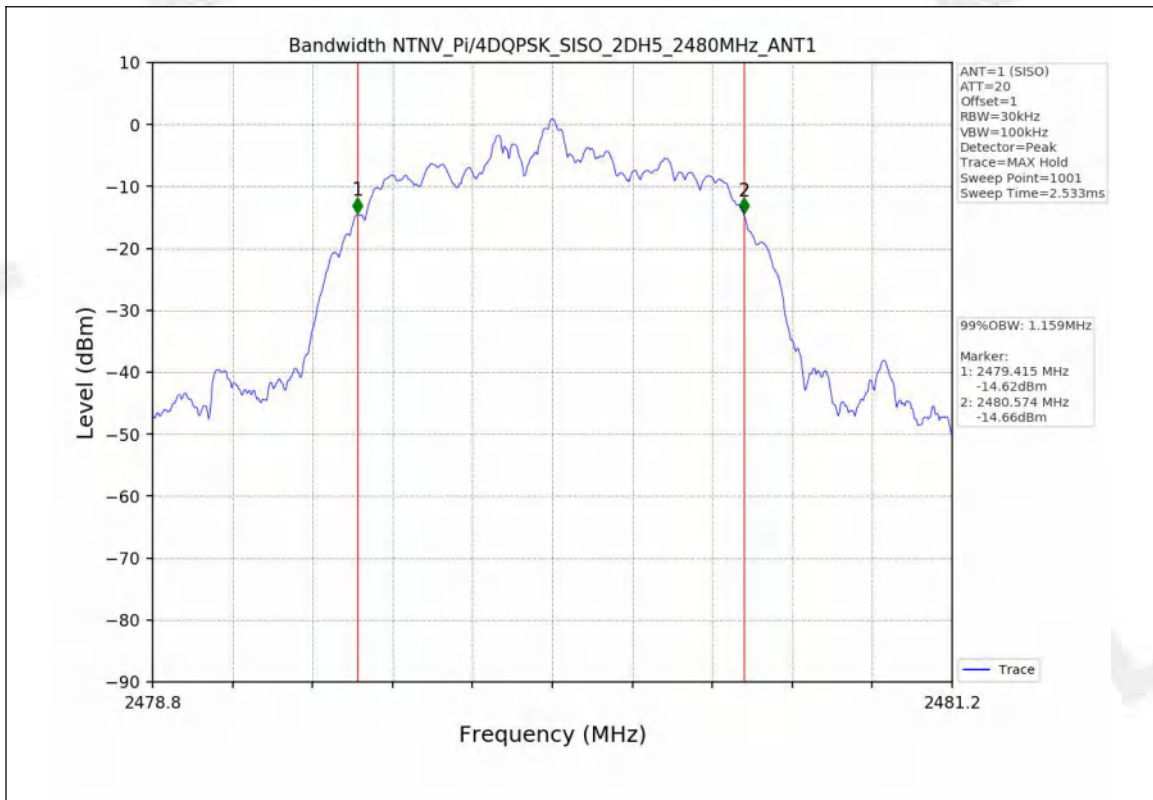
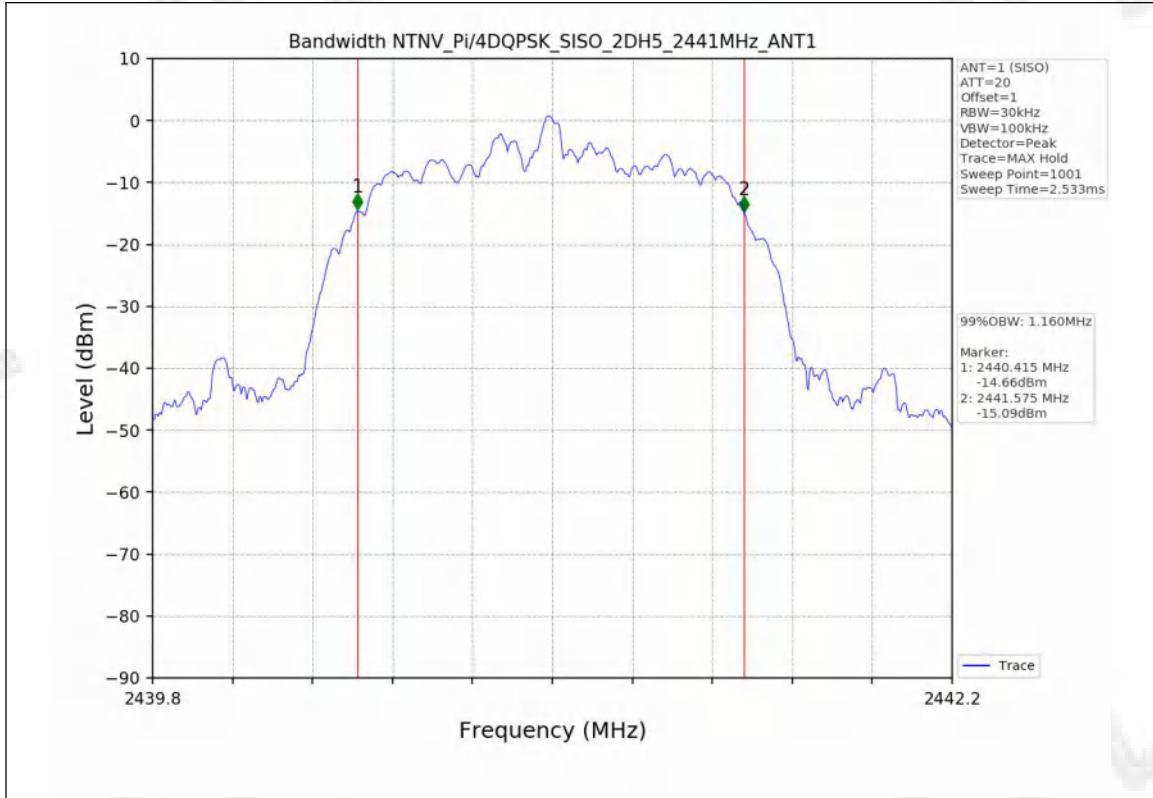


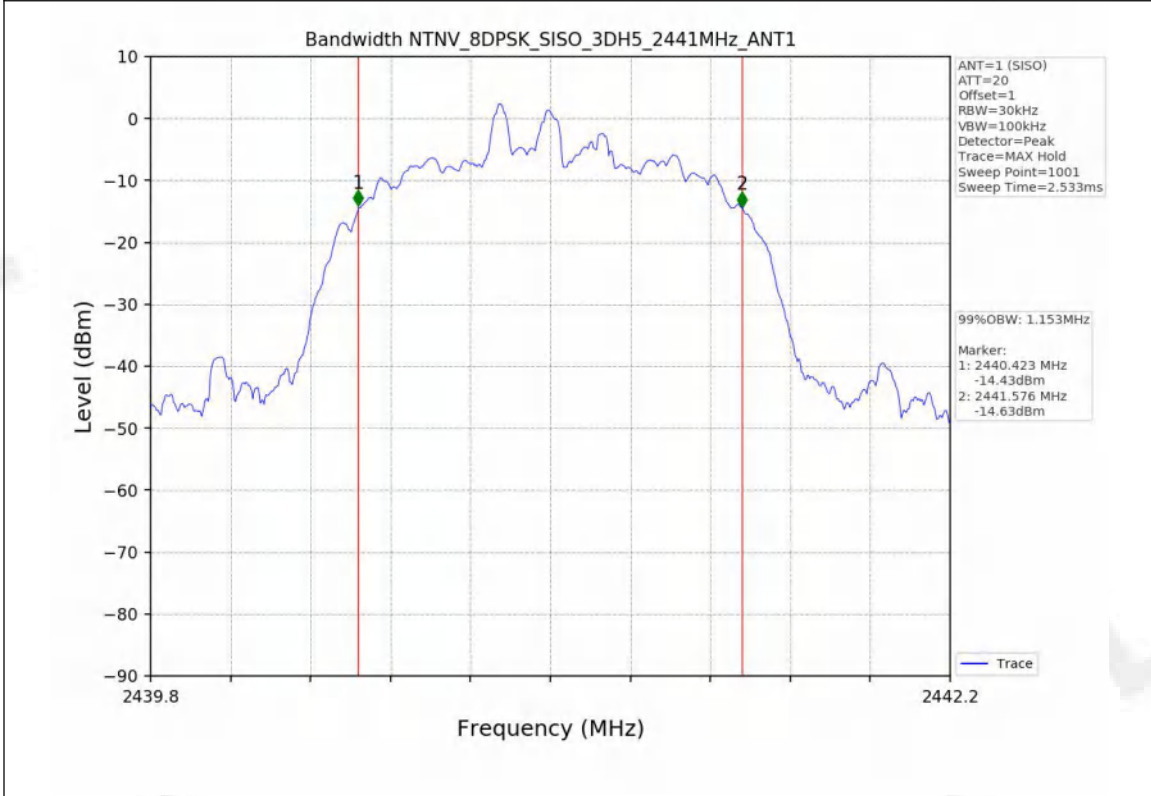
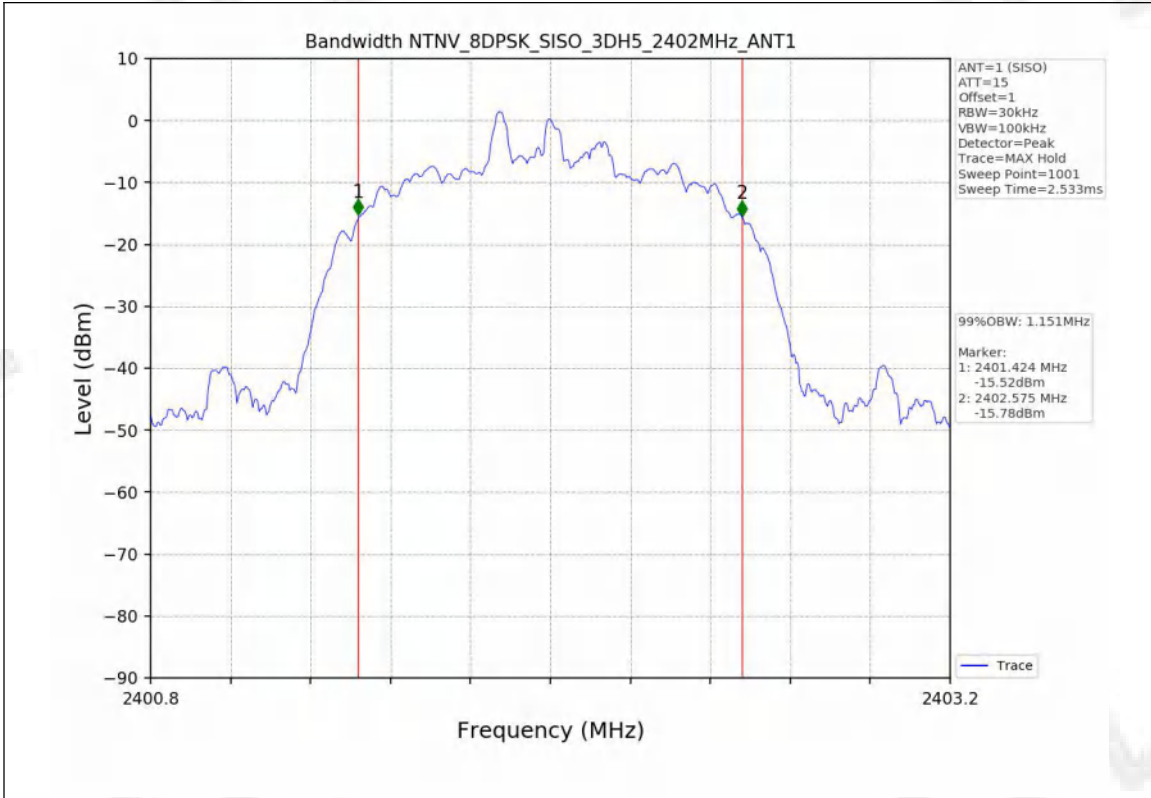


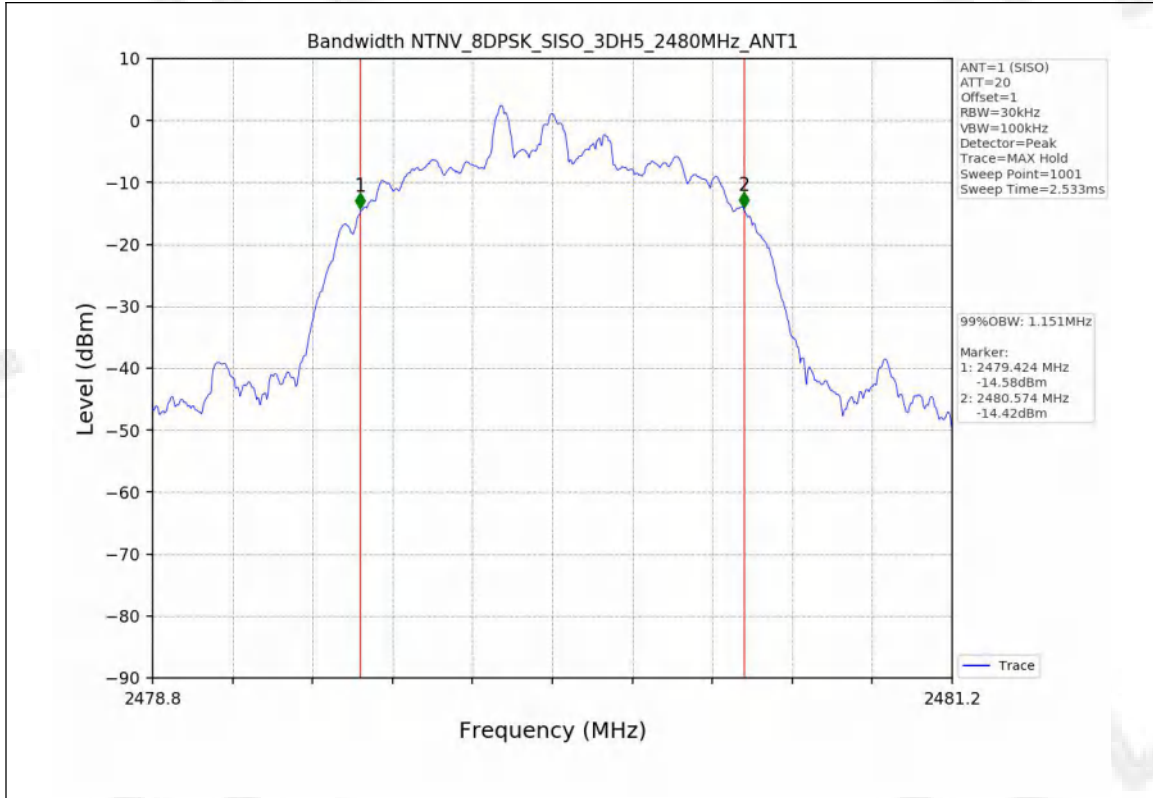










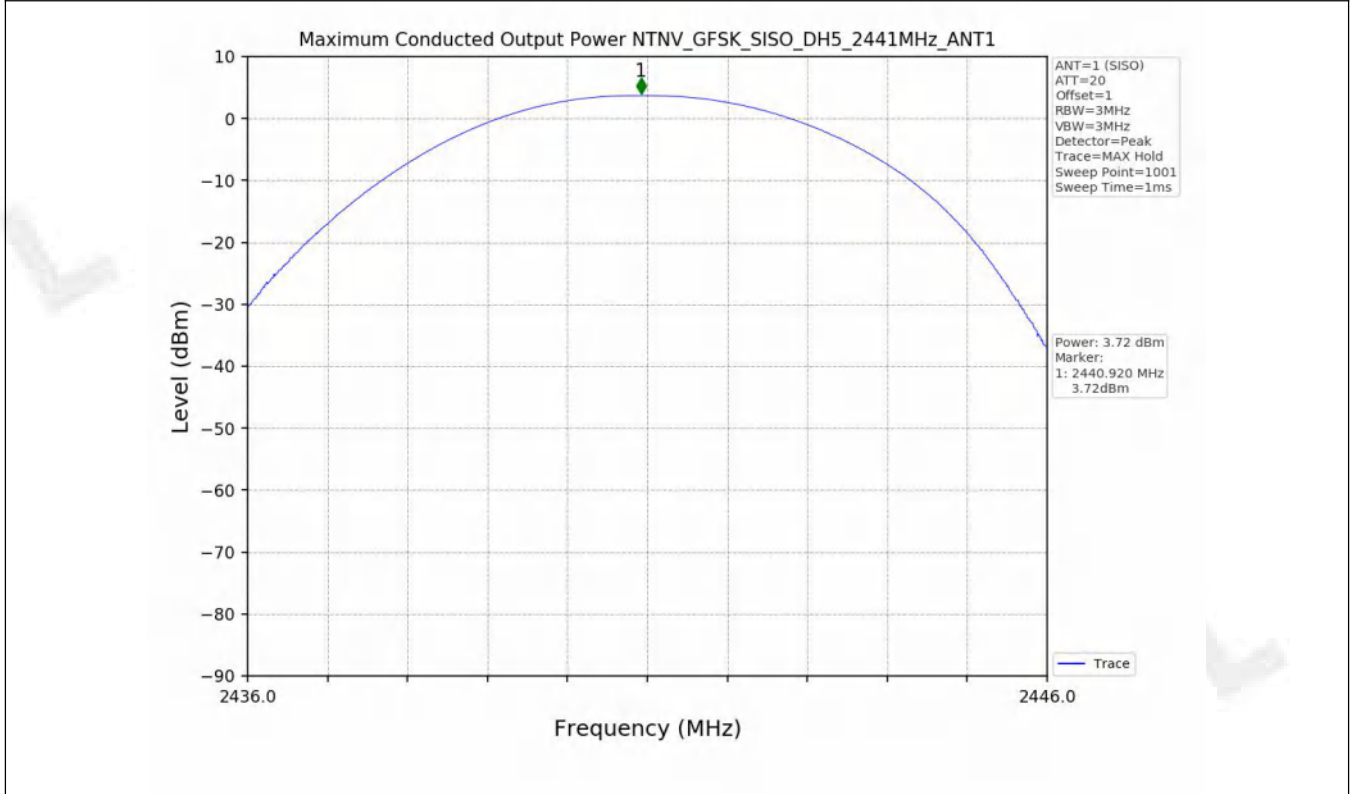
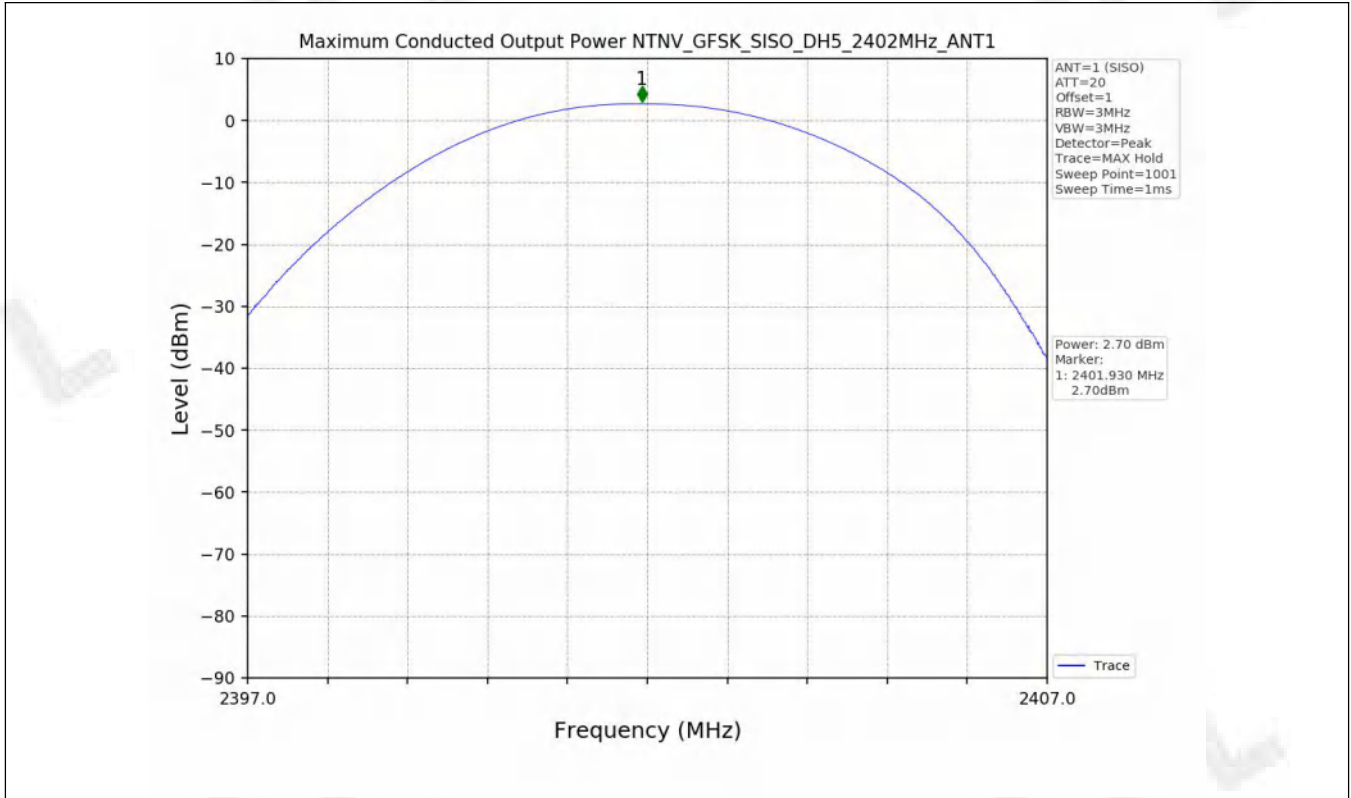


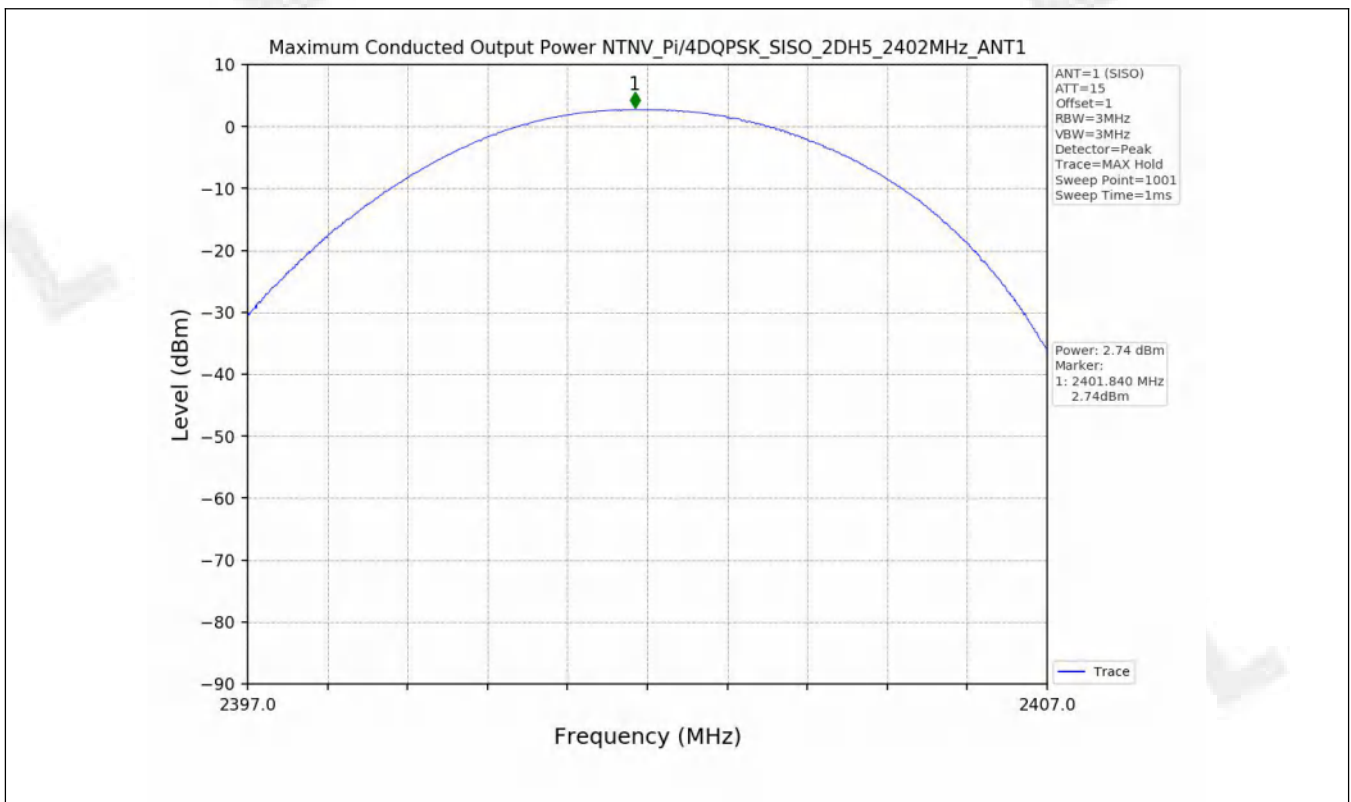
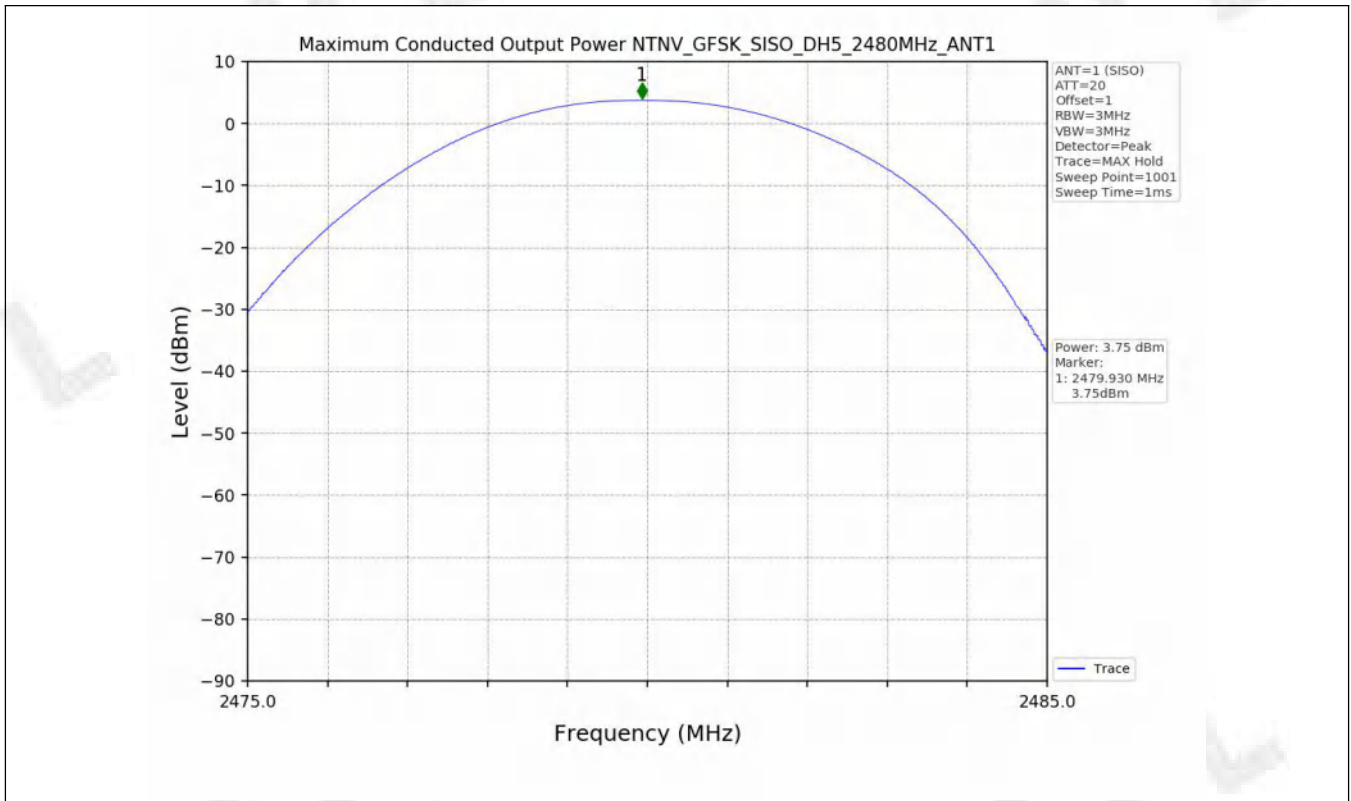
## 2. Maximum Conducted Output Power

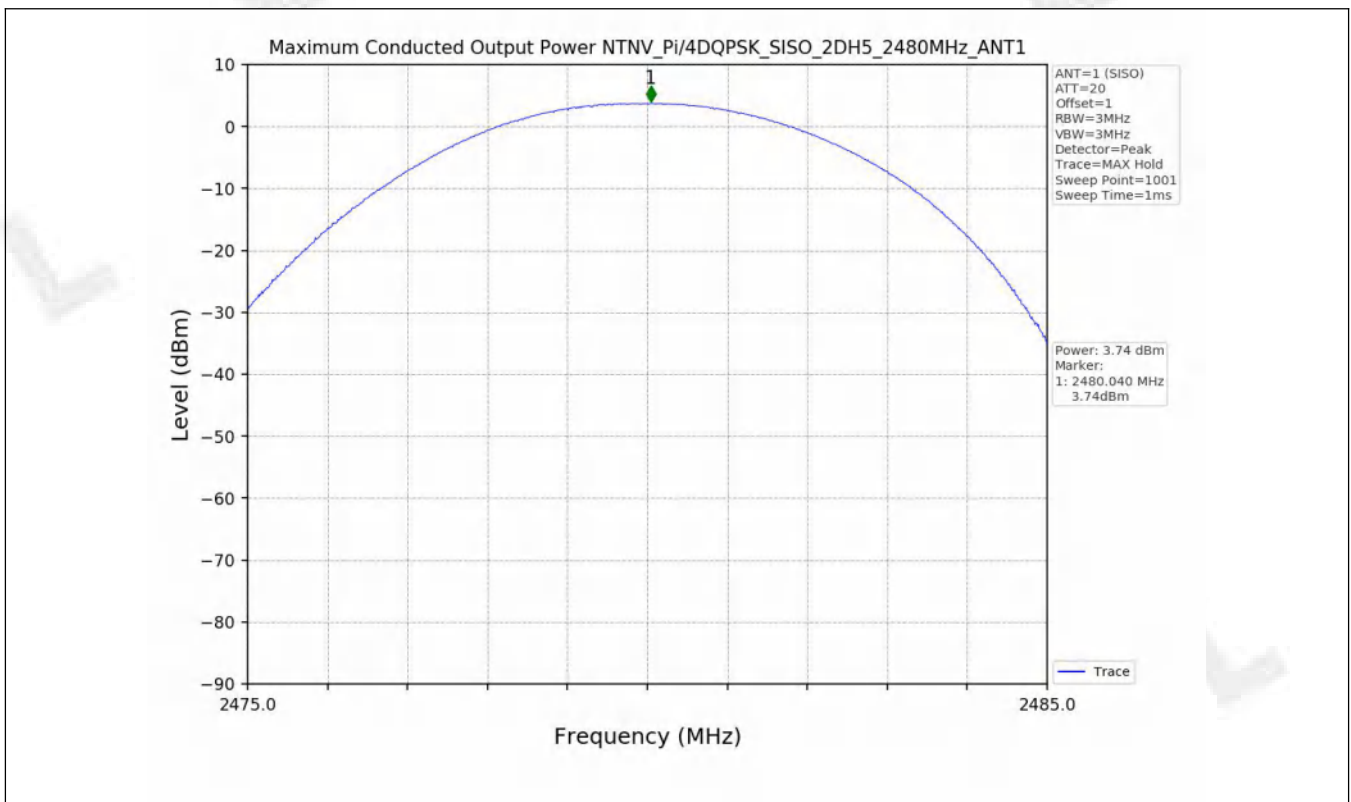
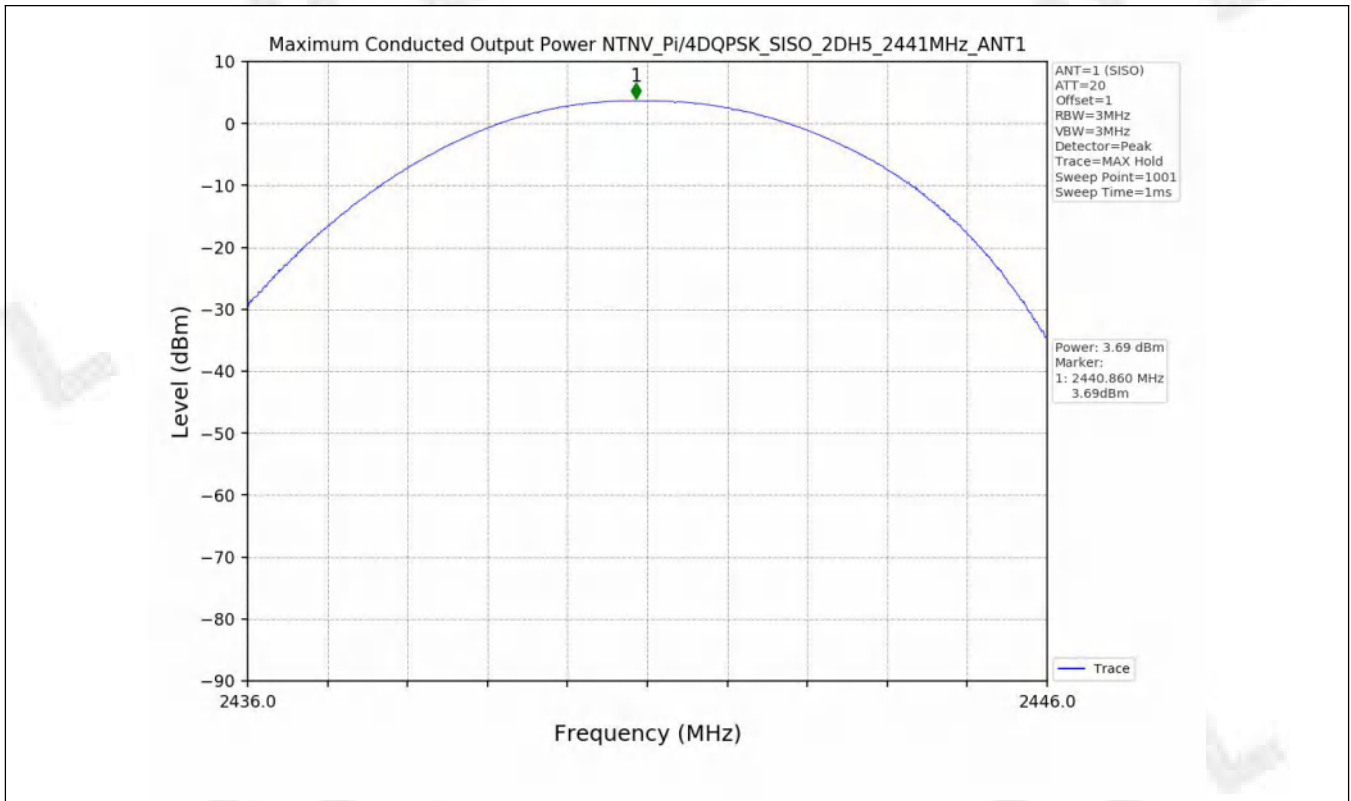
### 2.1 Test Result

Test Mode	Frequency (MHz)	Tx Type	Measured Peak Output Power (dBm)	Limits (dBm)	Verdict
			Ant 1		
GFSK	2402	SISO	2.70	30	PASS
	2441	SISO	3.72	30	PASS
	2480	SISO	3.75	30	PASS
Pi/4DQPSK	2402	SISO	2.74	20.97	PASS
	2441	SISO	3.69	20.97	PASS
	2480	SISO	3.74	20.97	PASS
8DPSK	2402	SISO	2.93	20.97	PASS
	2441	SISO	3.99	20.97	PASS
	2480	SISO	3.99	20.97	PASS

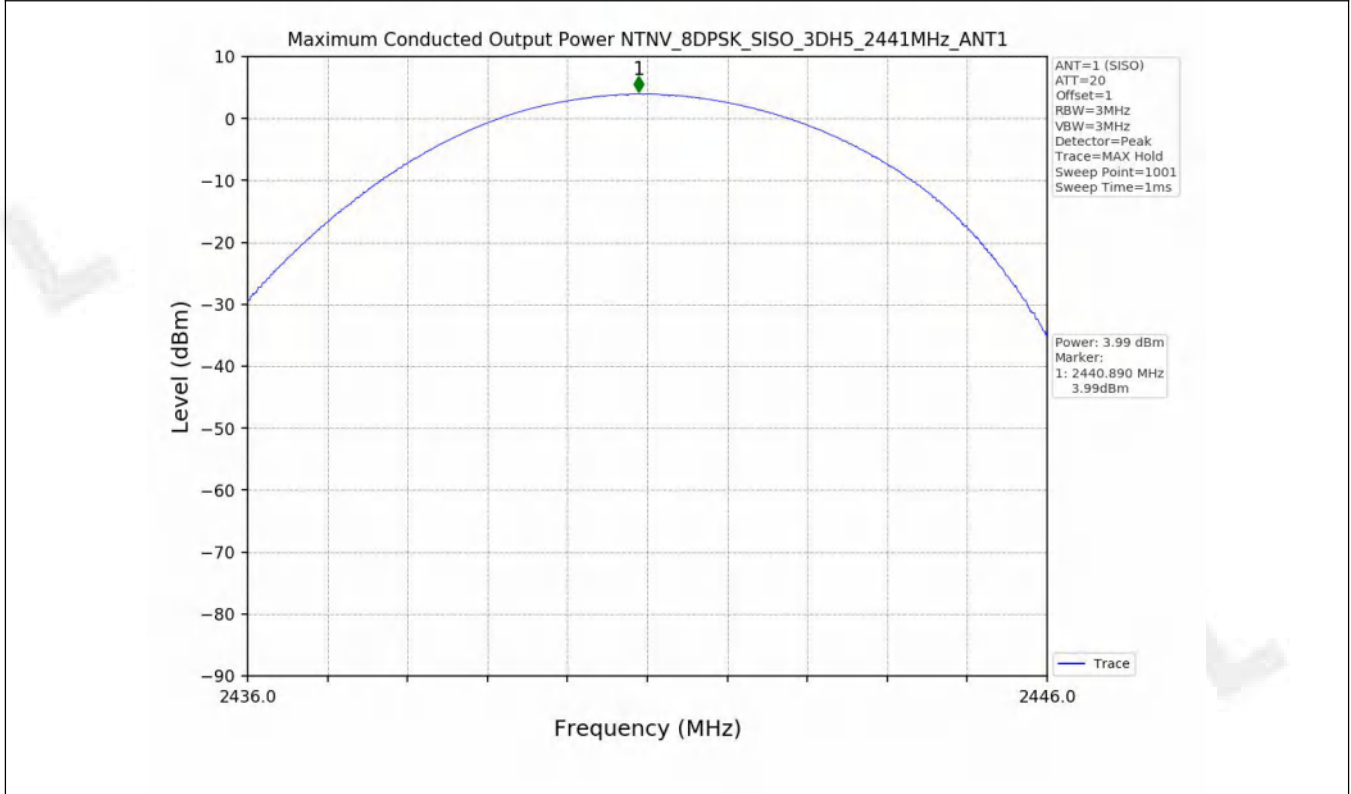
### 2.2 Test Graph

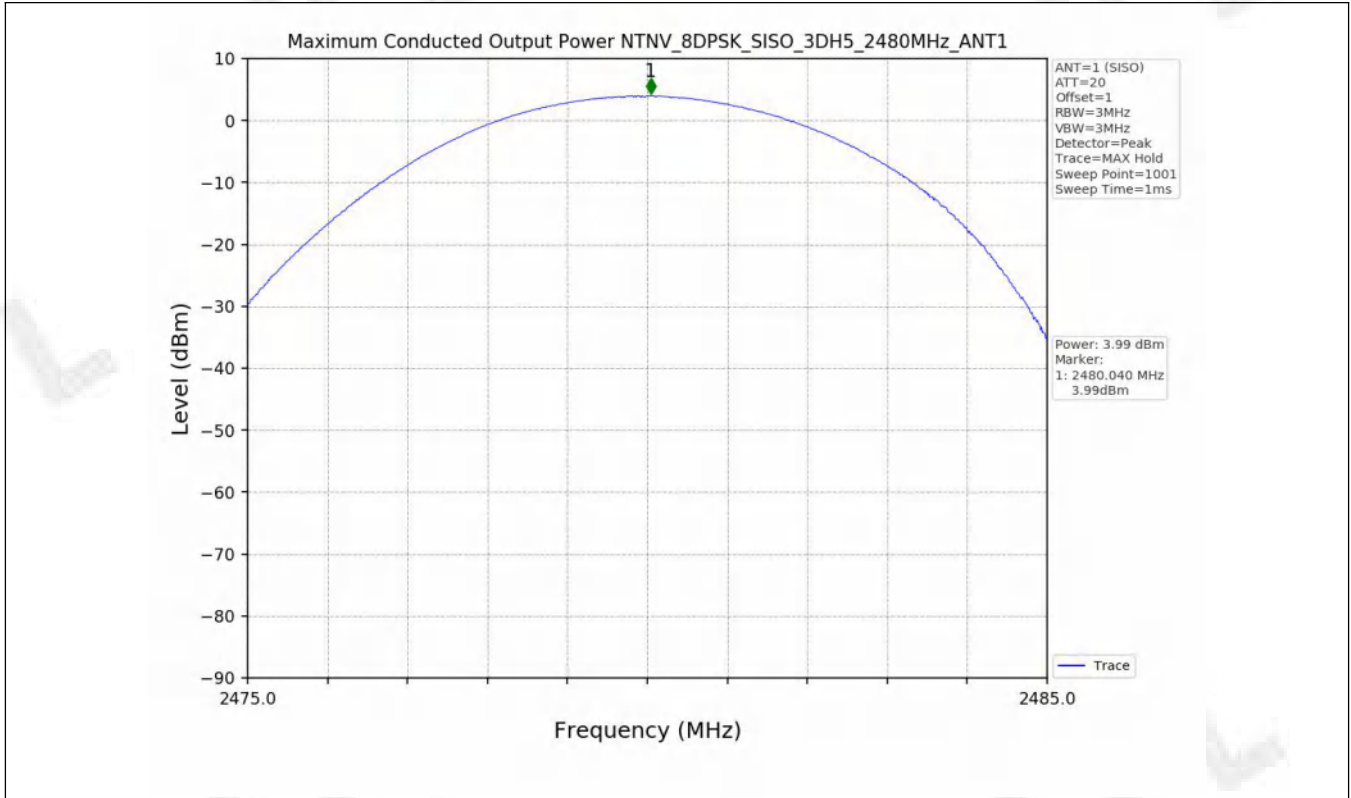










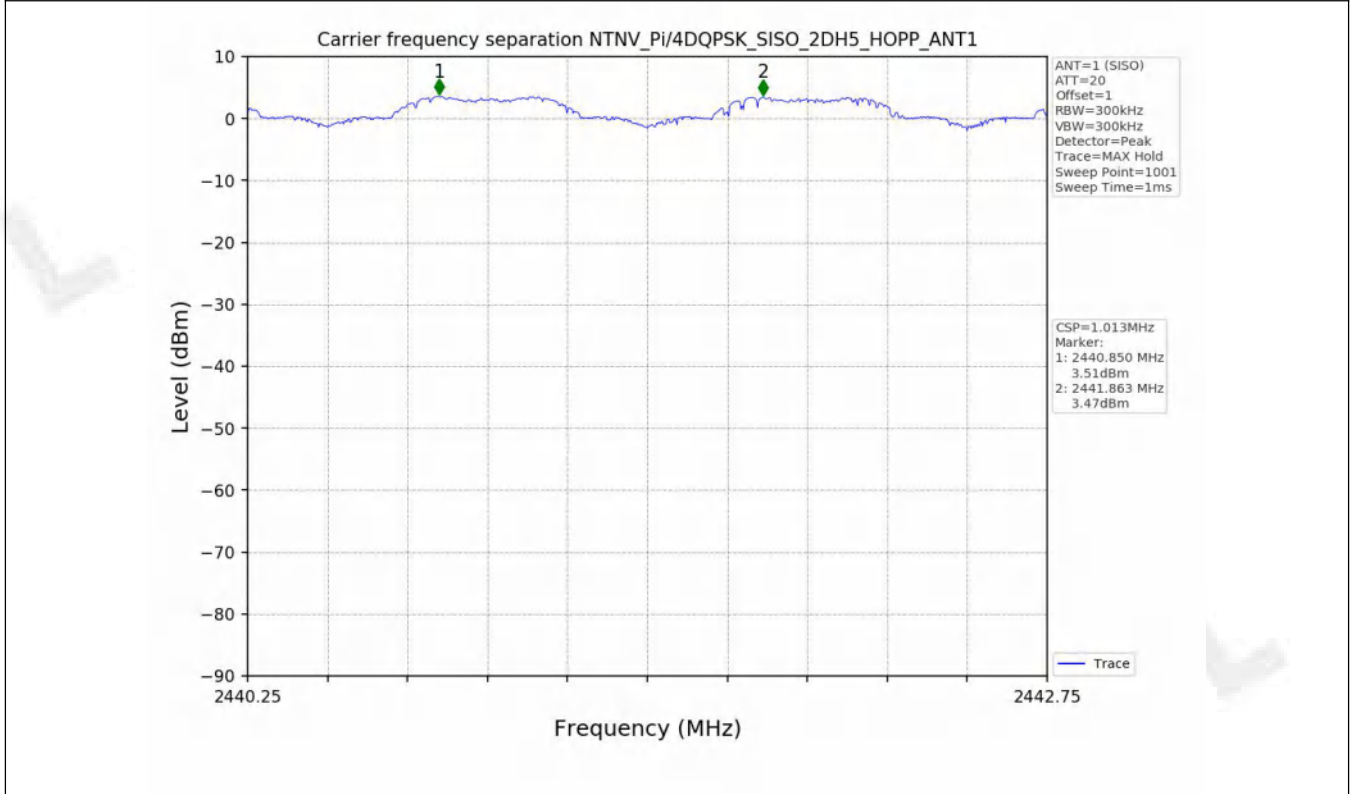
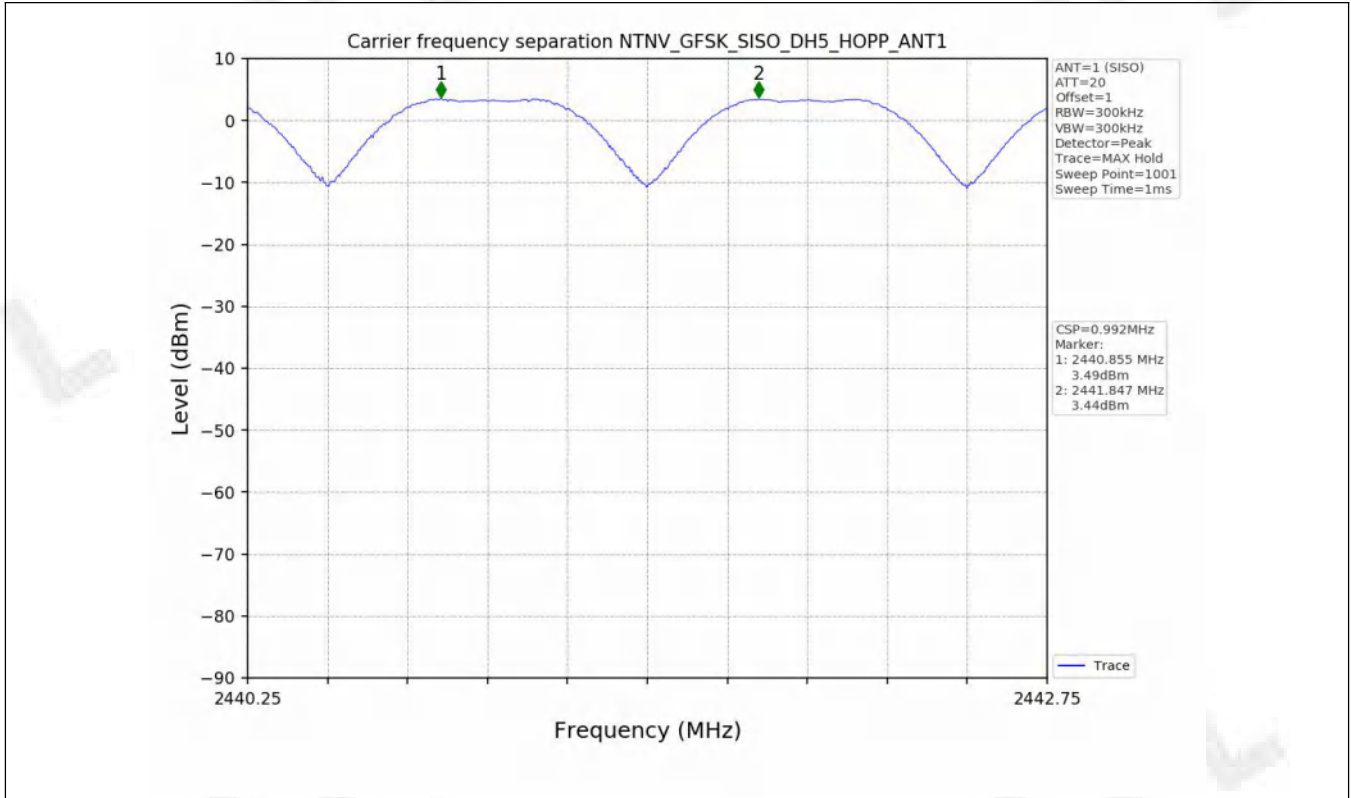


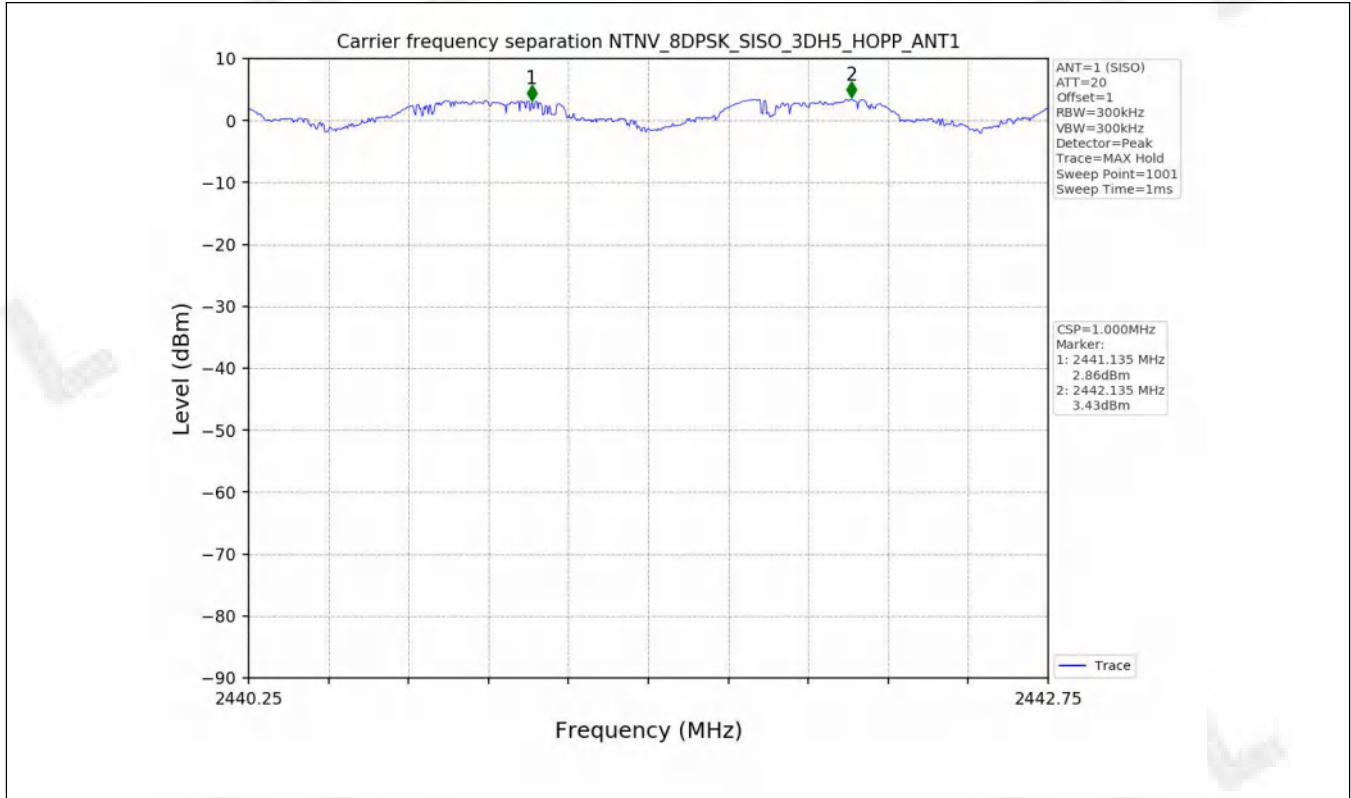
### 3. Carrier frequency separation

#### 3.1 Test Result

Test Mode	TX Type	ANT No.	Channel Separation (MHz)	20dB Bandwidth (MHz)	Limits (MHz)	Verdict
GFSK	SISO	1	0.992	0.928	$\geq 0.928$	PASS
Pi/4DQPSK	SISO	1	1.013	1.264	$\geq 0.843$	PASS
8DPSK	SISO	1	1.000	1.248	$\geq 0.832$	PASS

#### 3.2 Test Graph



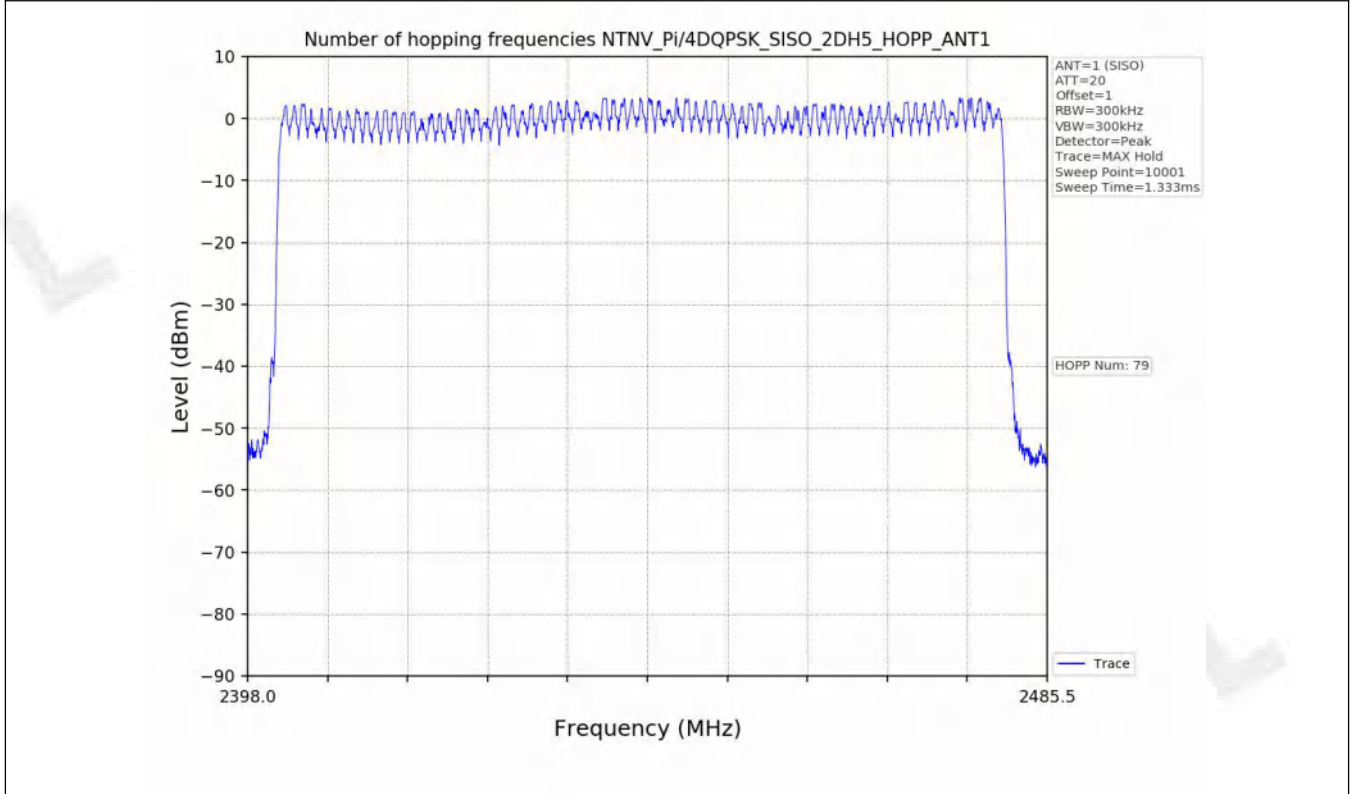
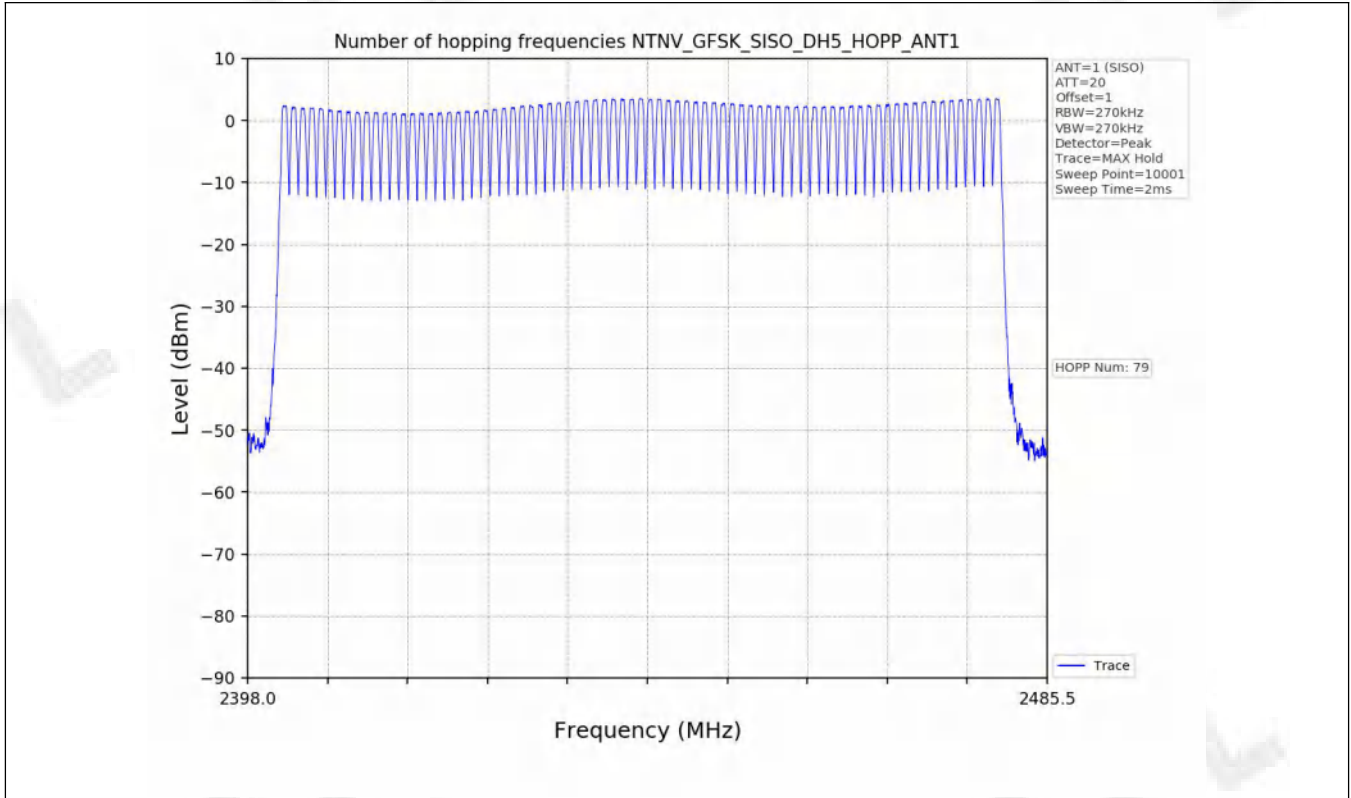


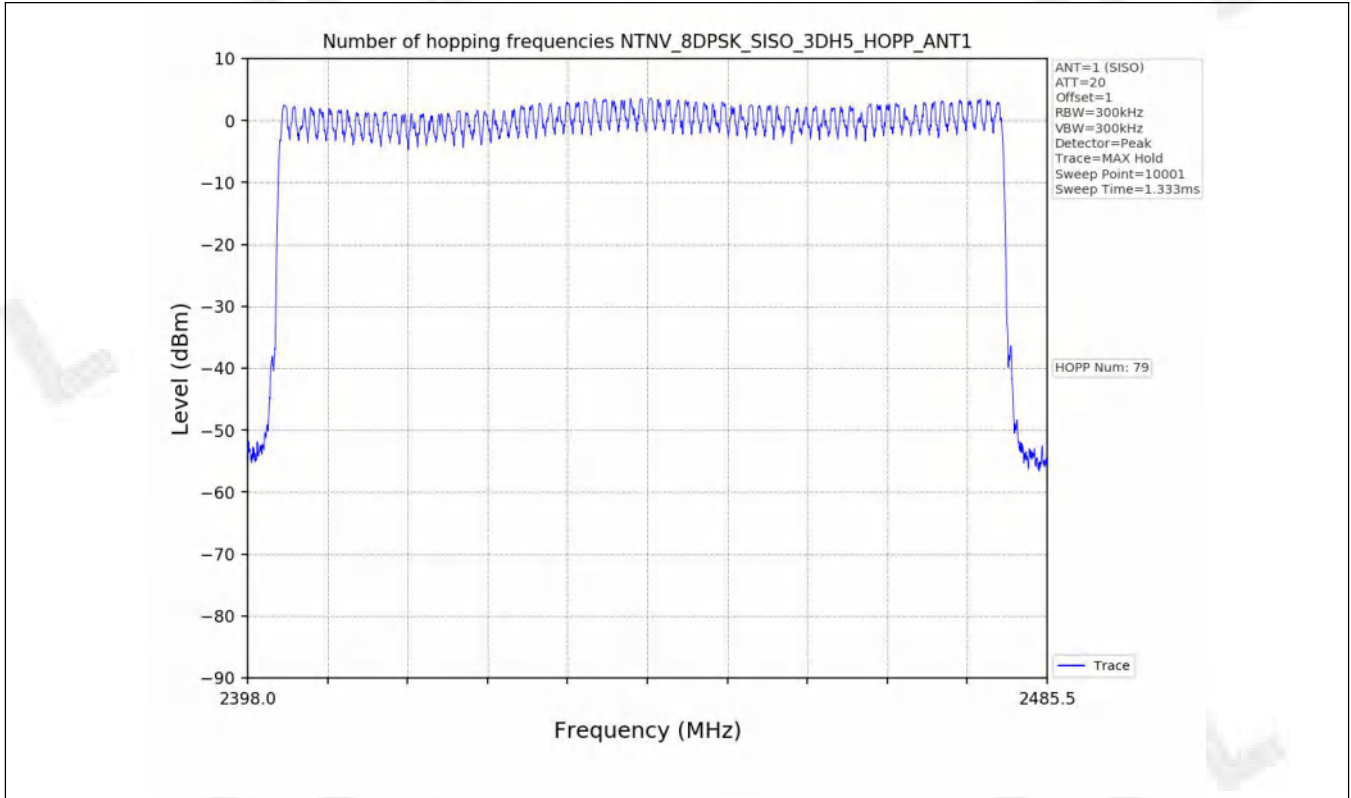
#### 4. Number of hopping frequencies

##### 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





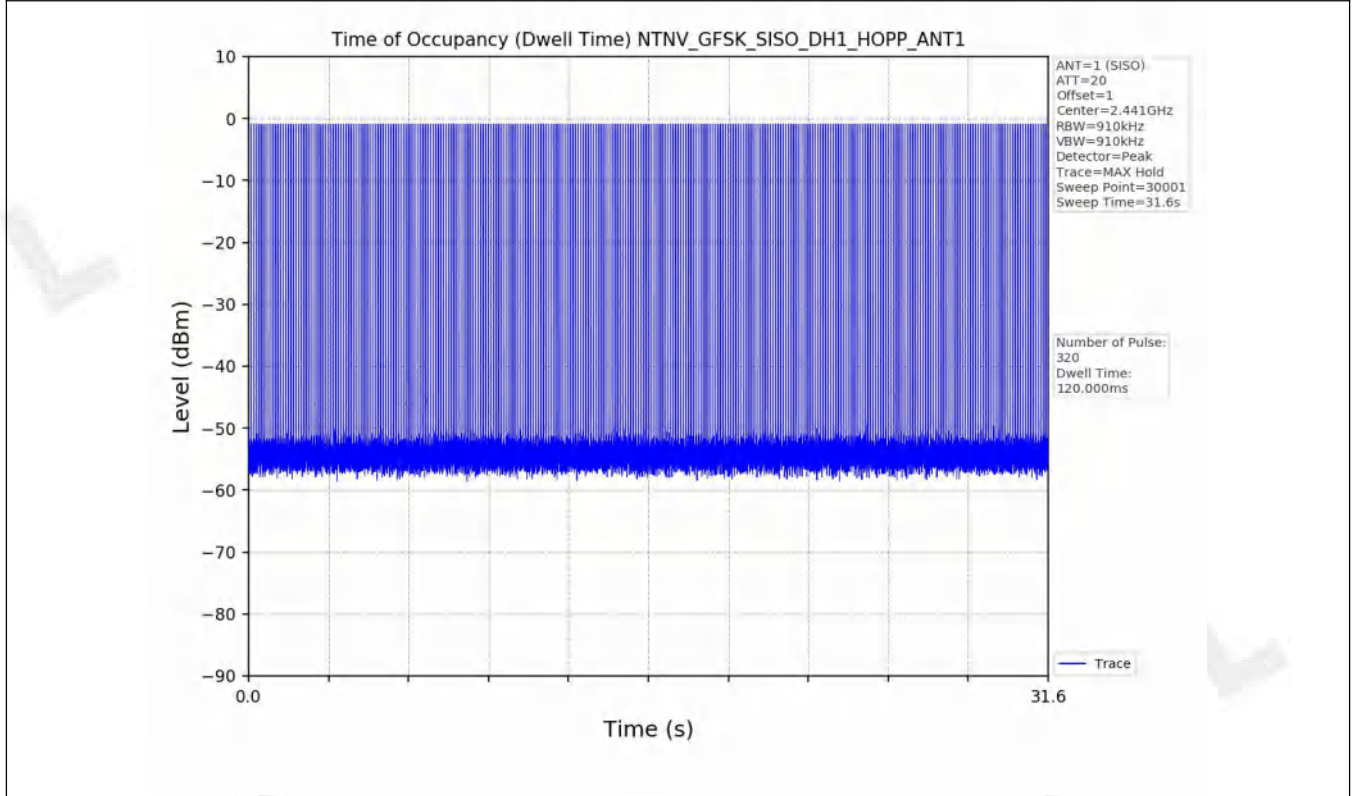
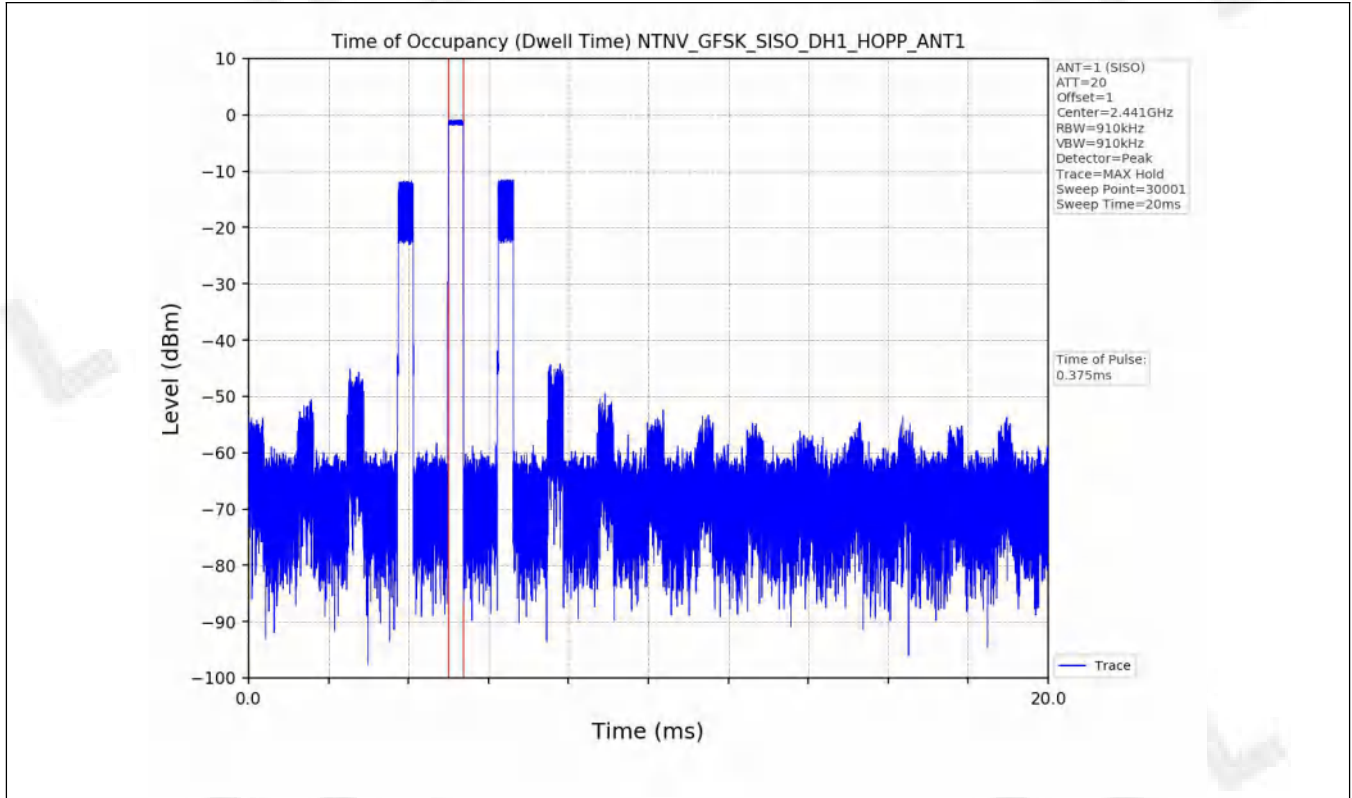
### 5. Time of occupancy (dwell time)

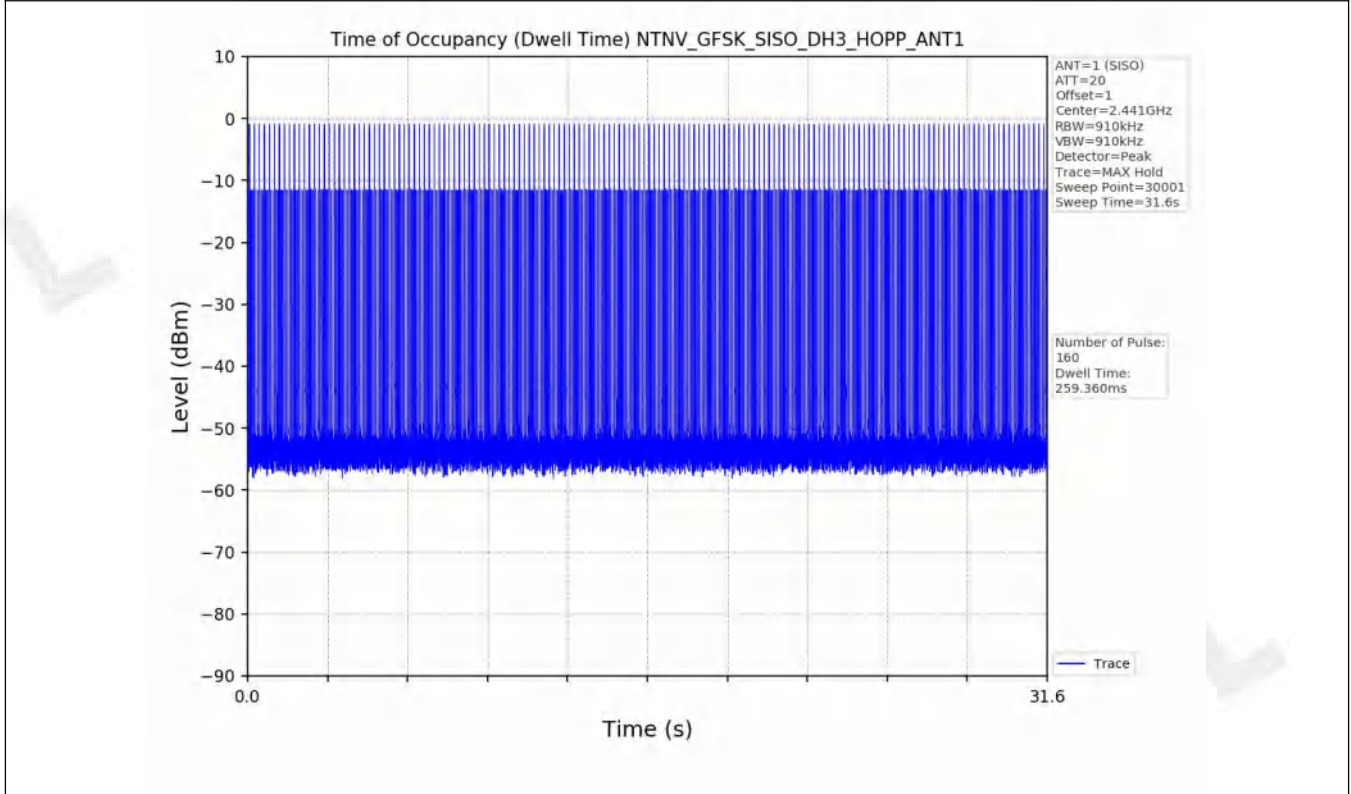
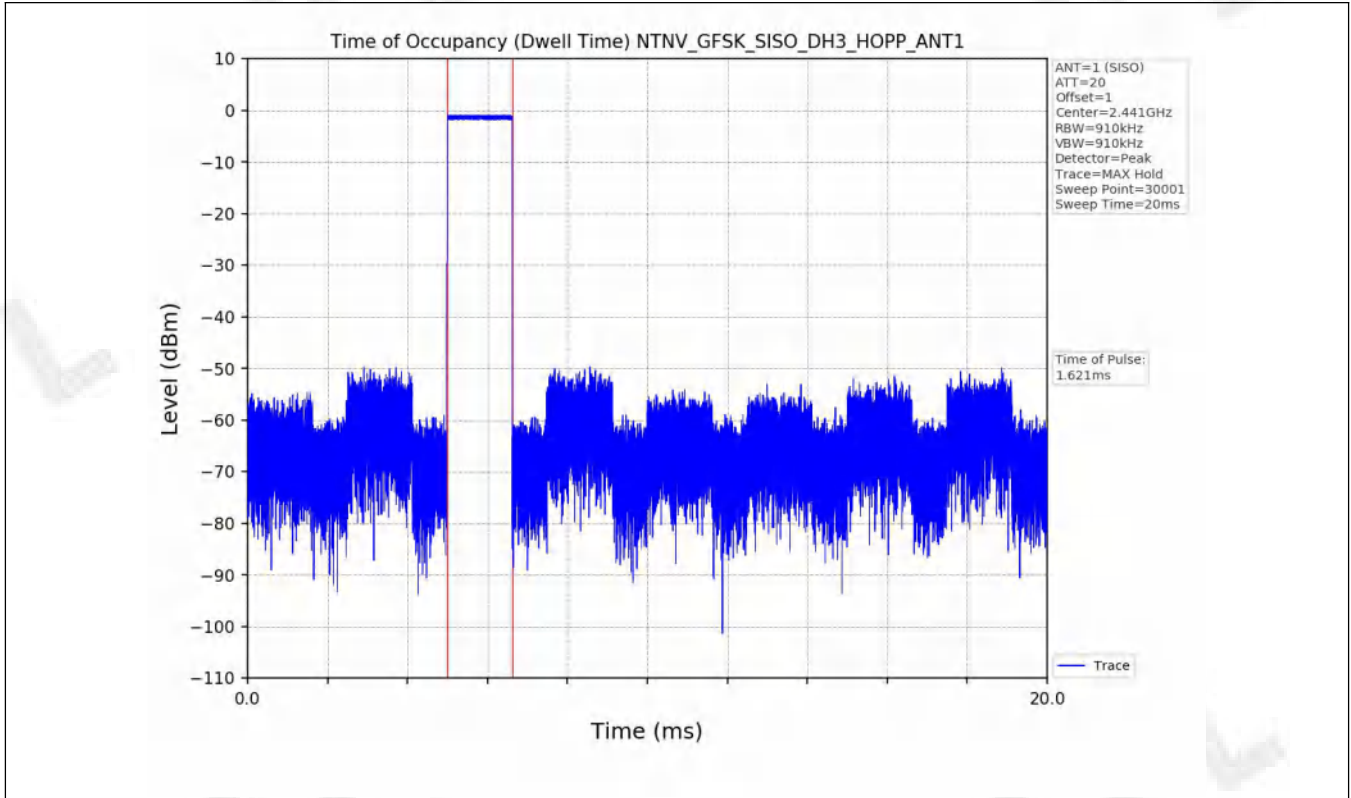
#### 5.1 Test Result

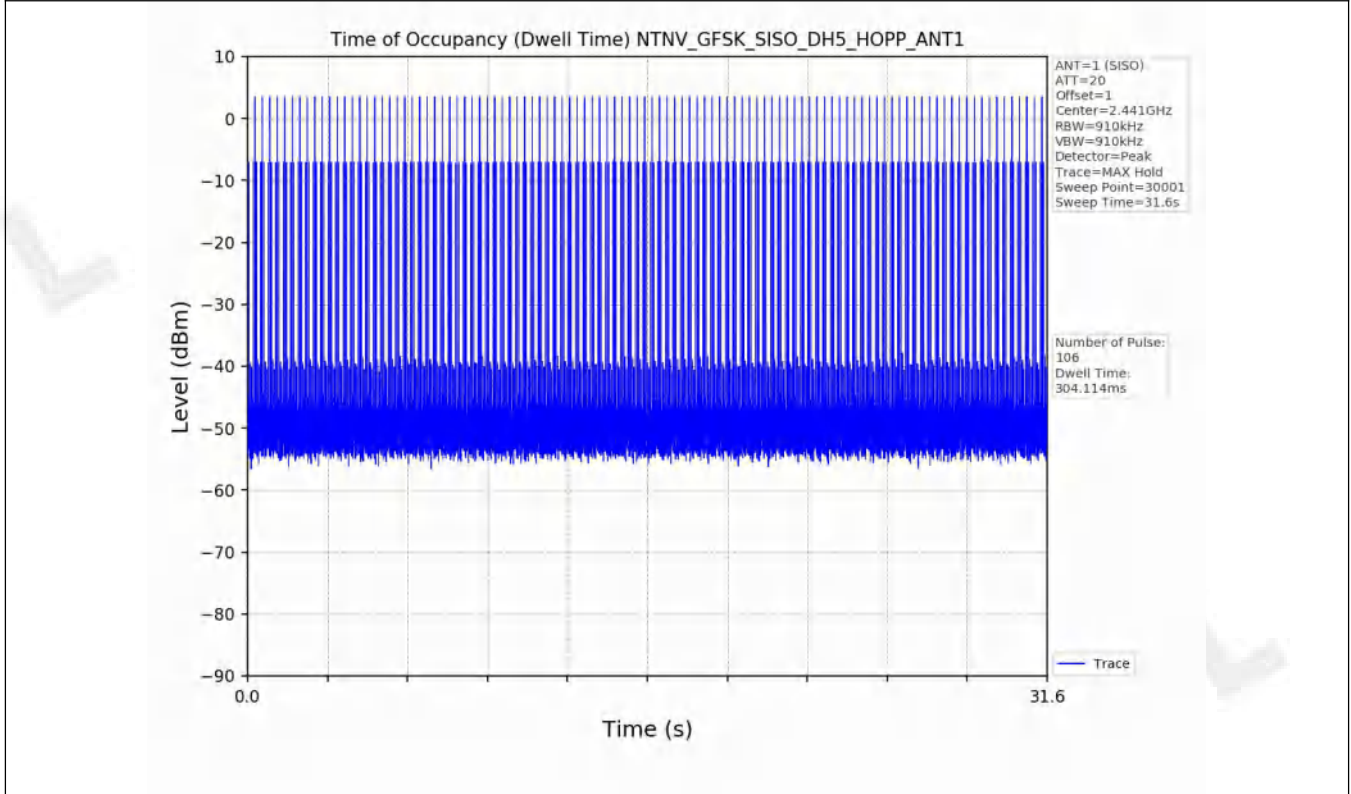
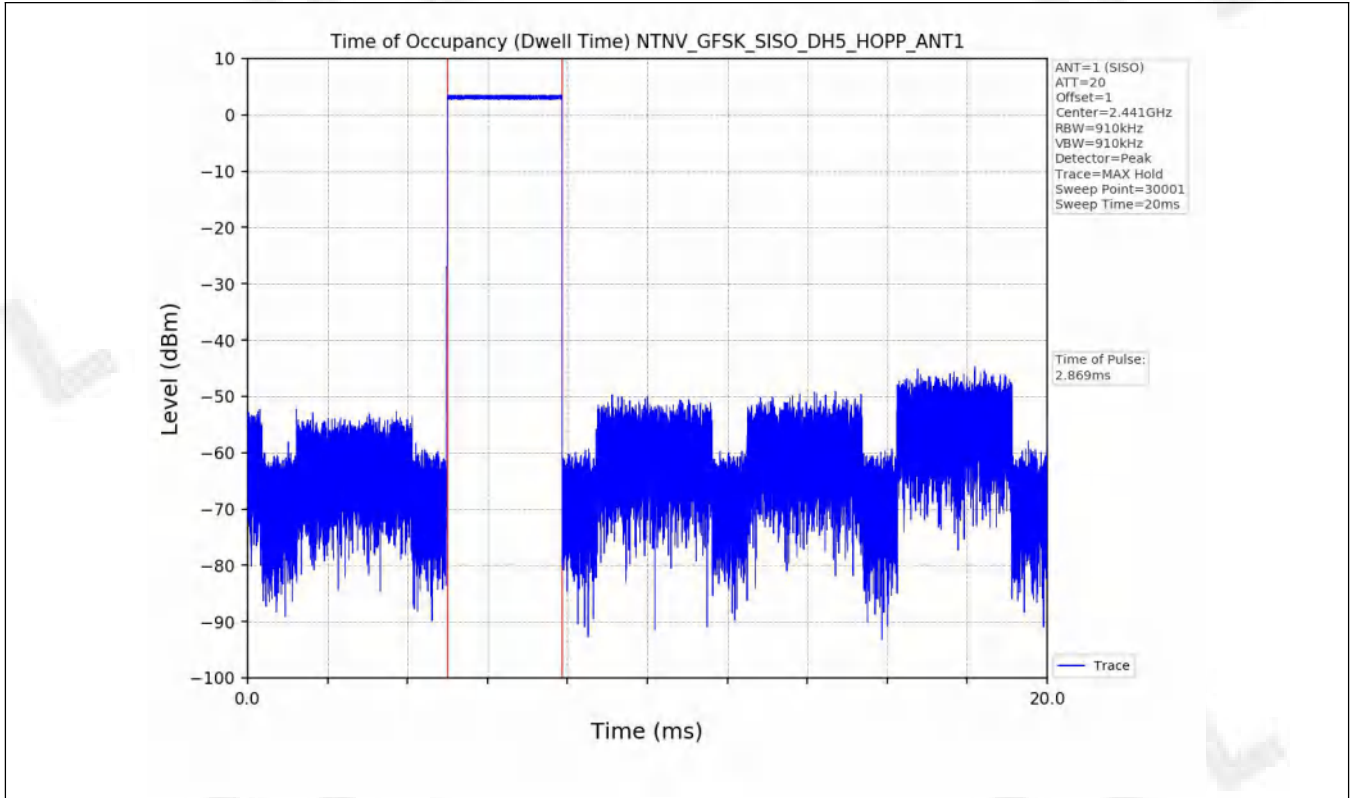
Test Mode	Packet Type	TX Type	ANT No.	Duration of Single Pulse (ms)	Observation Period (s)	Num of Pulse in Observation Period	Dwell Time (ms)	Limits (ms)	Verdict
GFSK	DH1	SISO	1	0.375	31.6	320	120.000	≤400	PASS
	DH3	SISO	1	1.621	31.6	160	259.360	≤400	PASS
	DH5	SISO	1	2.869	31.6	106	304.114	≤400	PASS
Pi/4DQPSK	2DH1	SISO	1	0.407	31.6	320	130.240	≤400	PASS
	2DH3	SISO	1	1.660	31.6	160	265.600	≤400	PASS
	2DH5	SISO	1	2.883	31.6	106	305.598	≤400	PASS
8DPSK	3DH1	SISO	1	0.409	31.6	320	130.880	≤400	PASS
	3DH3	SISO	1	1.658	31.6	160	265.280	≤400	PASS
	3DH5	SISO	1	2.883	31.6	107	308.481	≤400	PASS

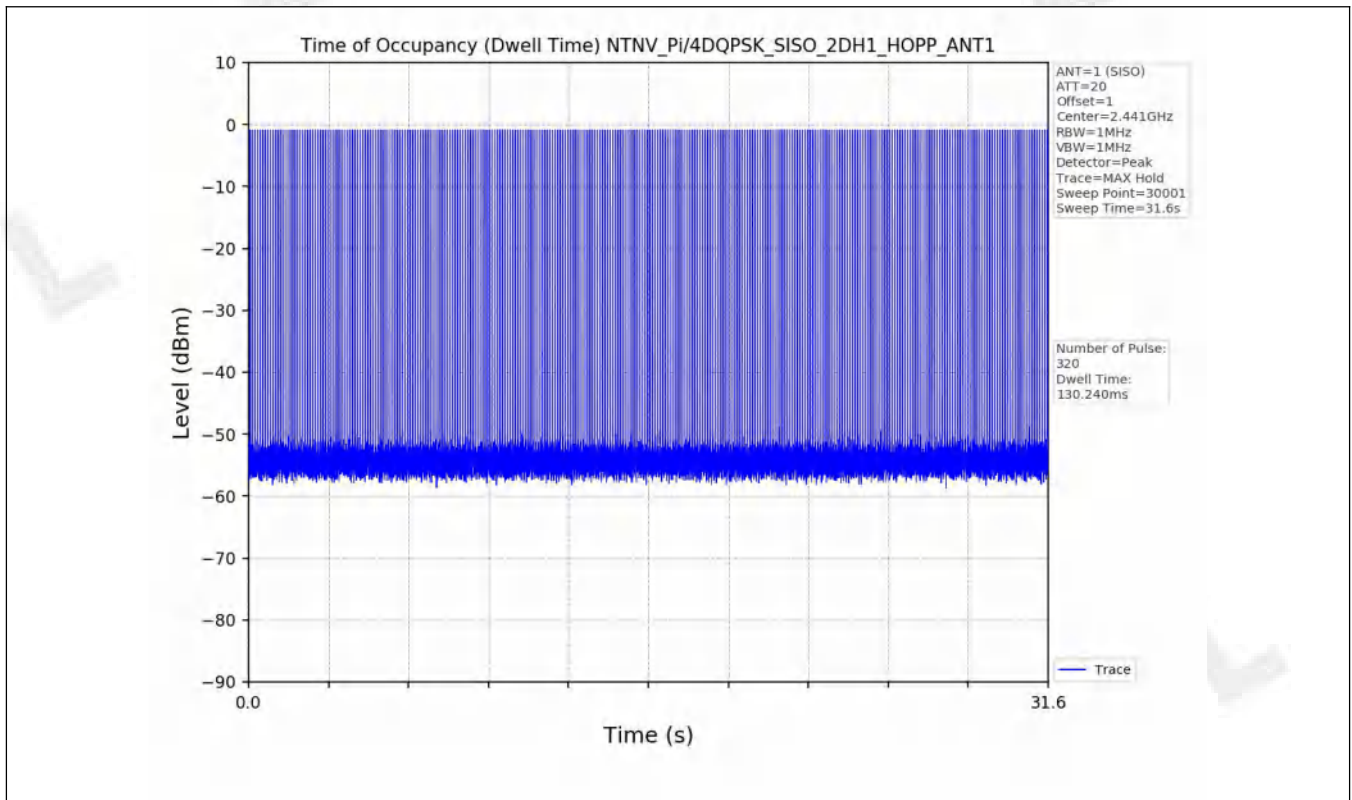
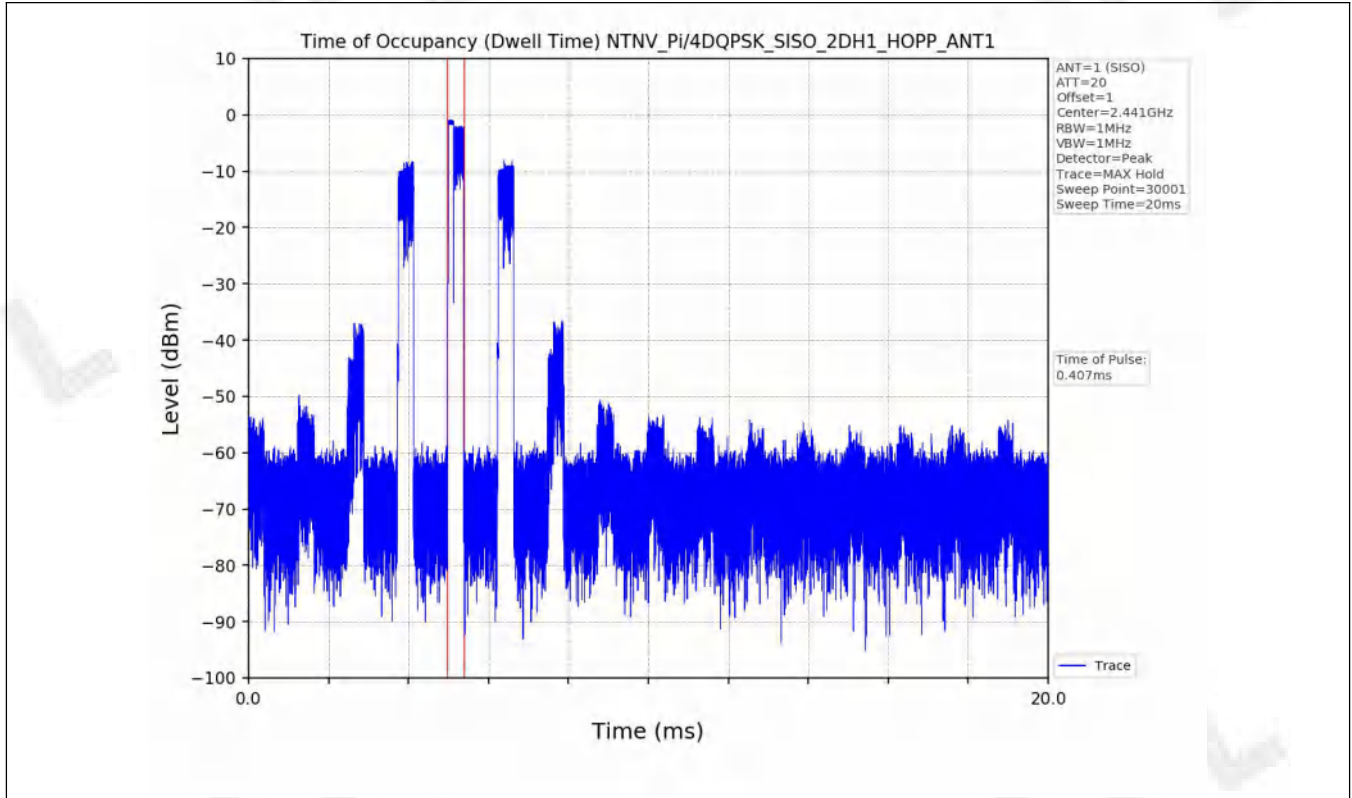
#### 5.2 Test Graph



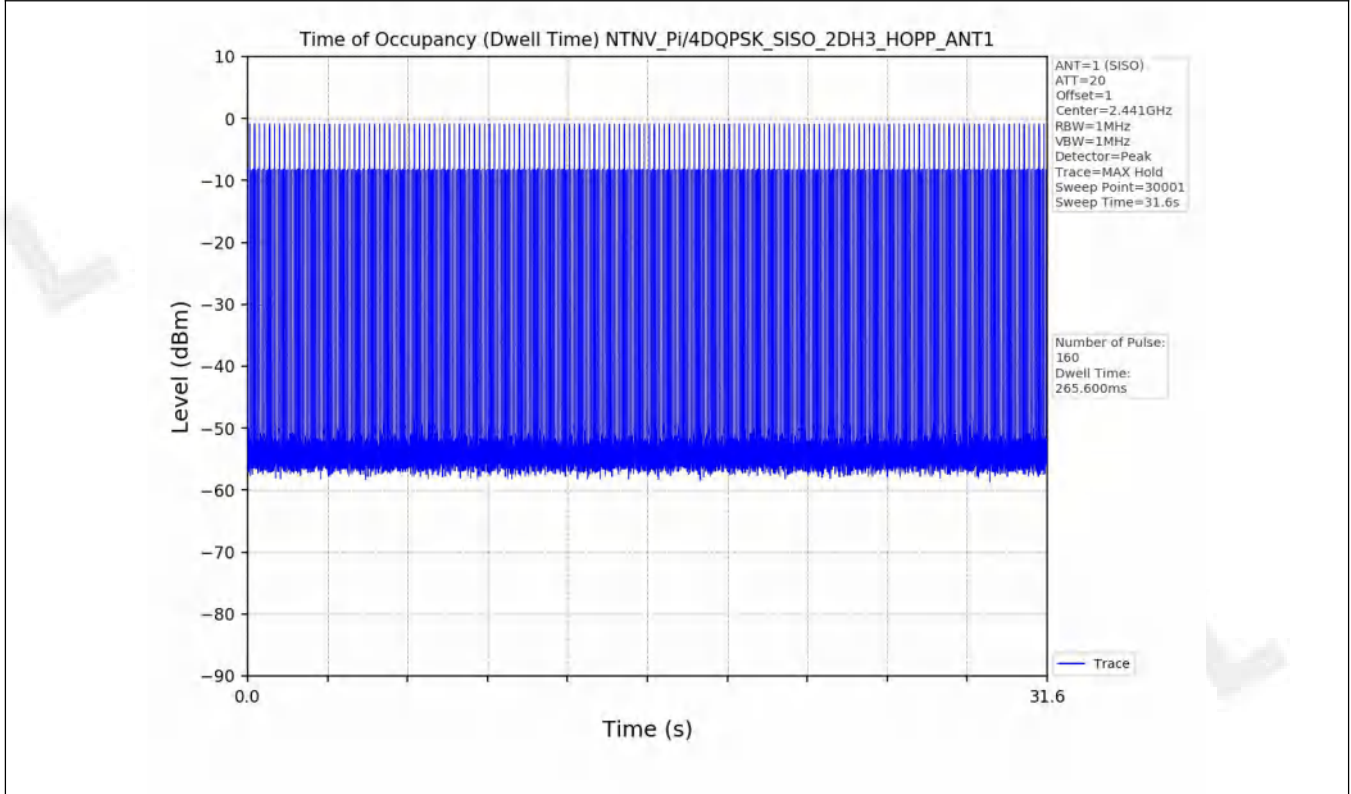
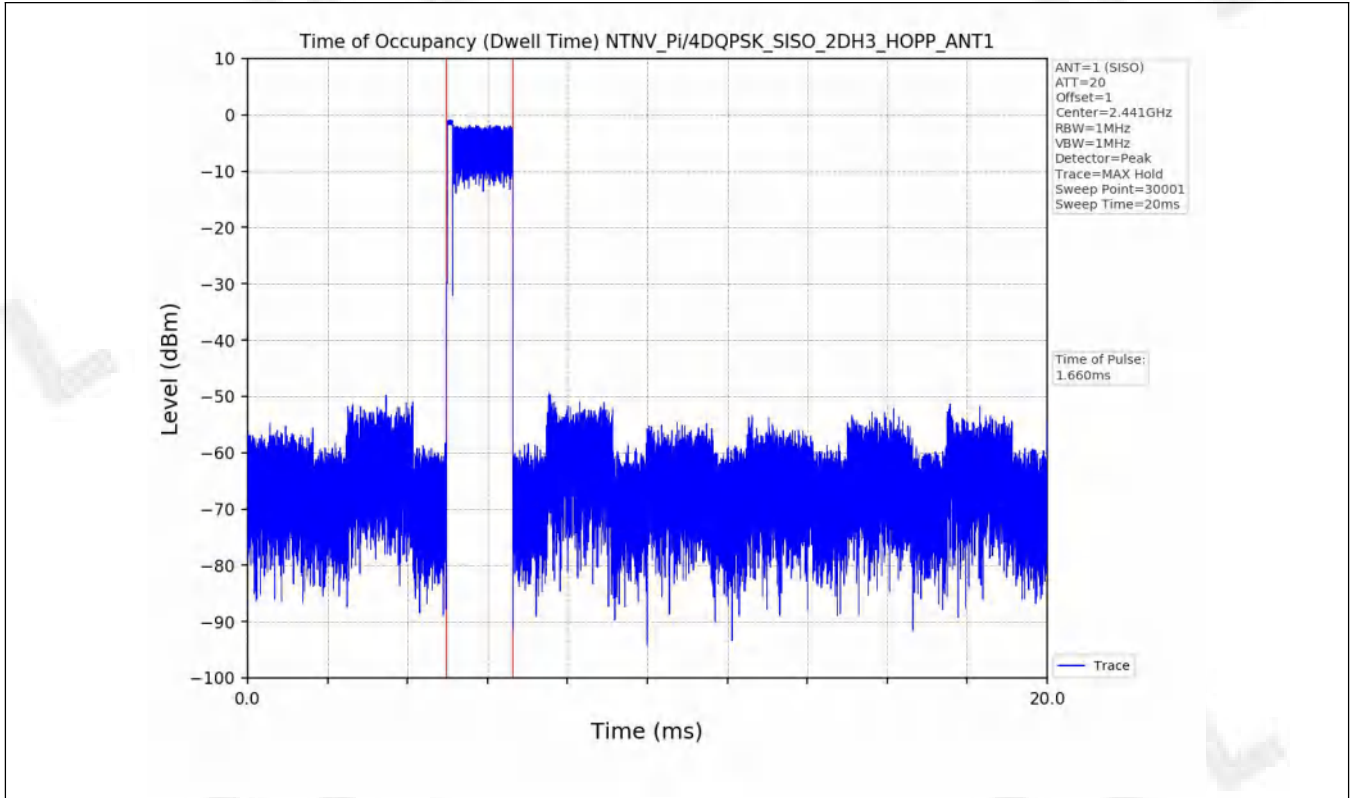


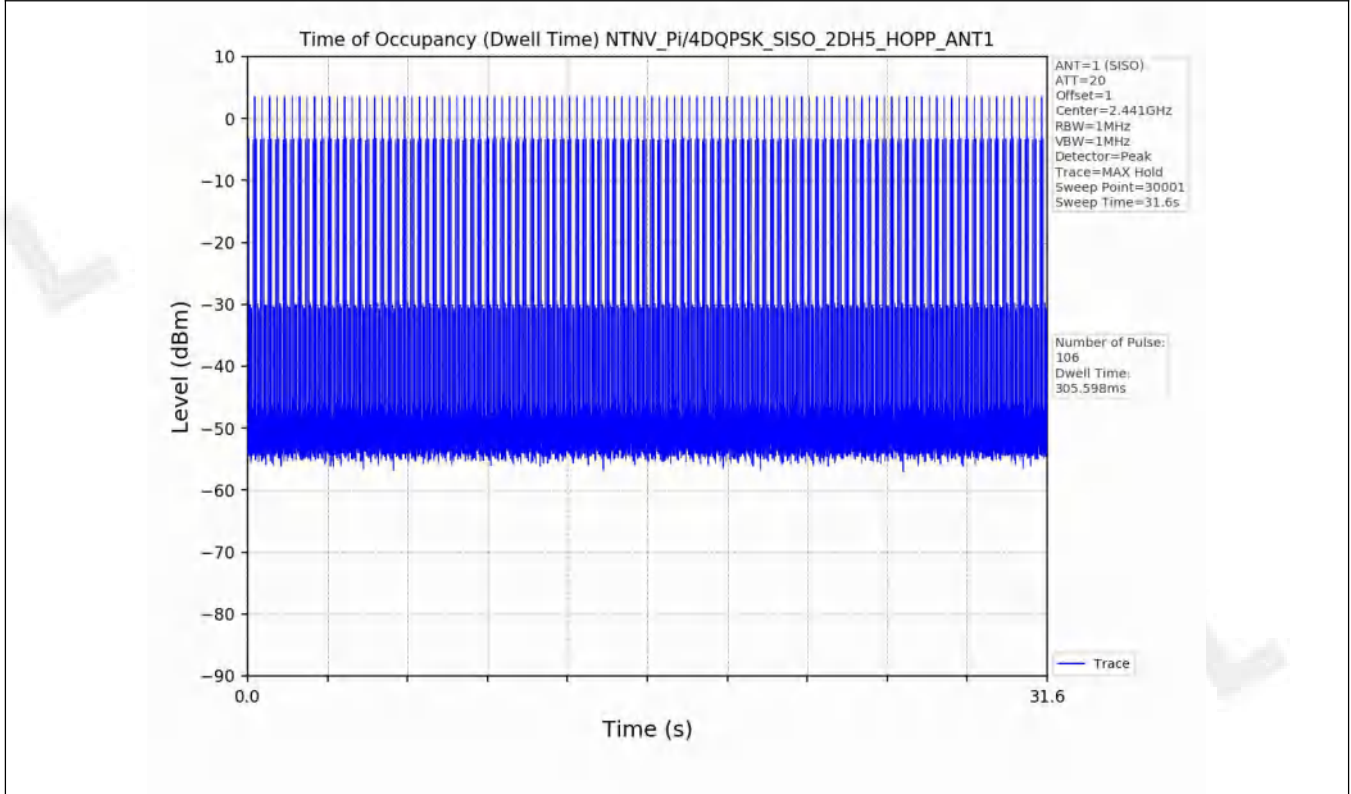
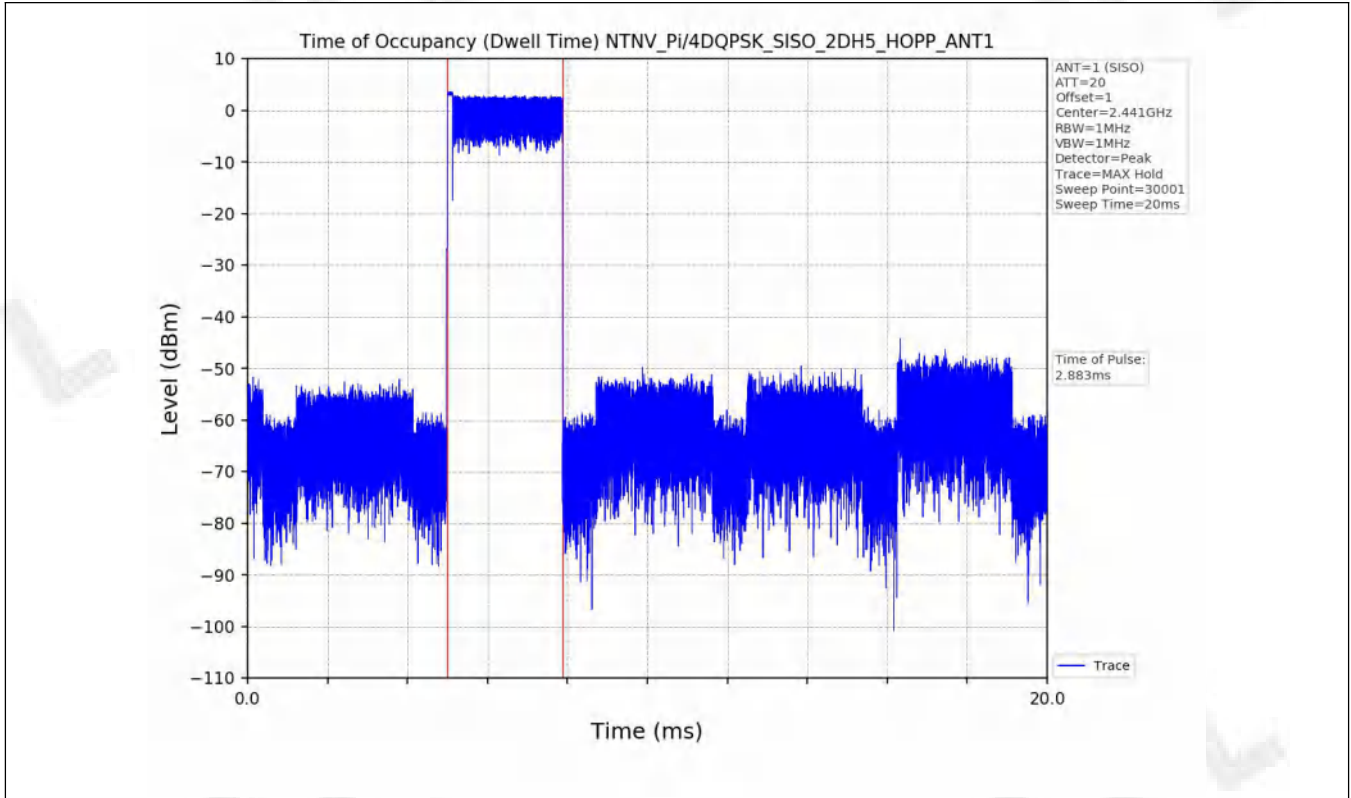




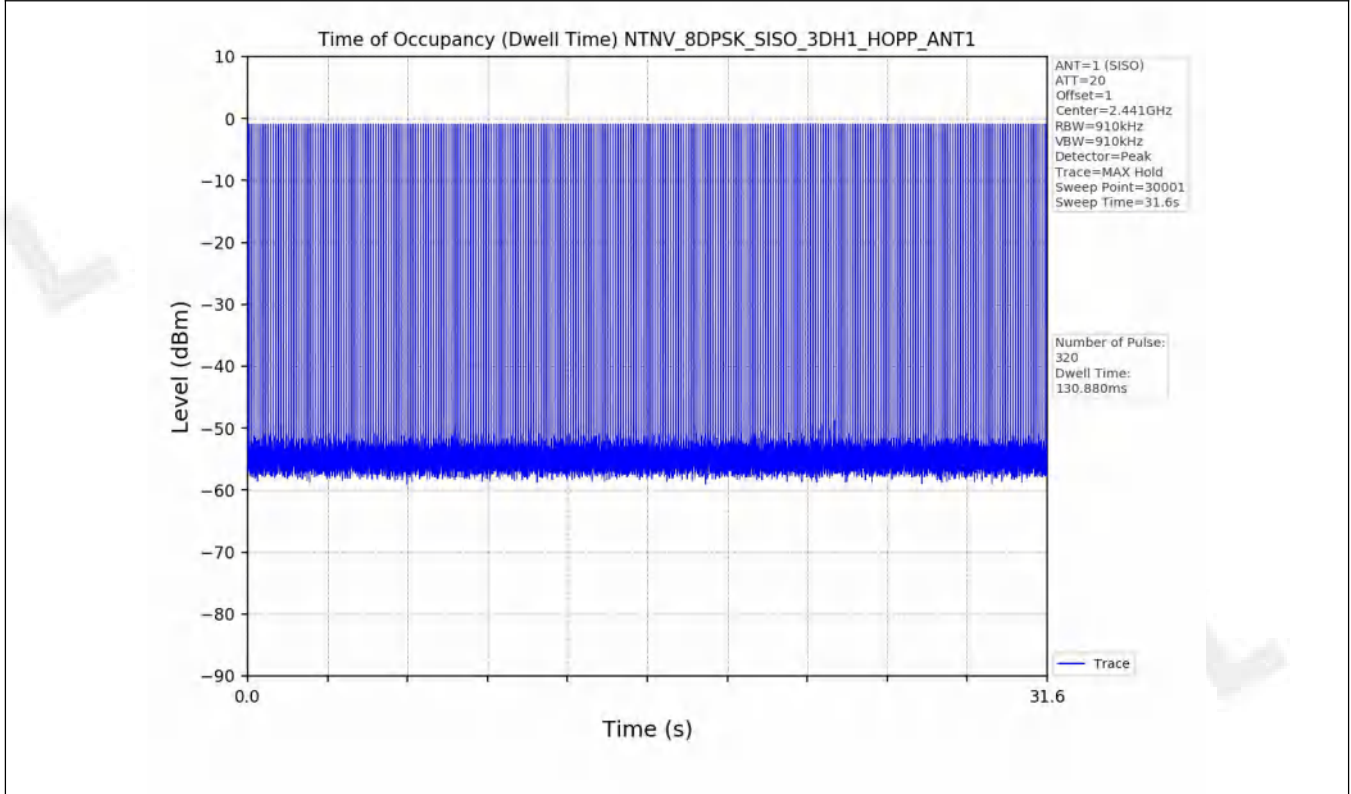
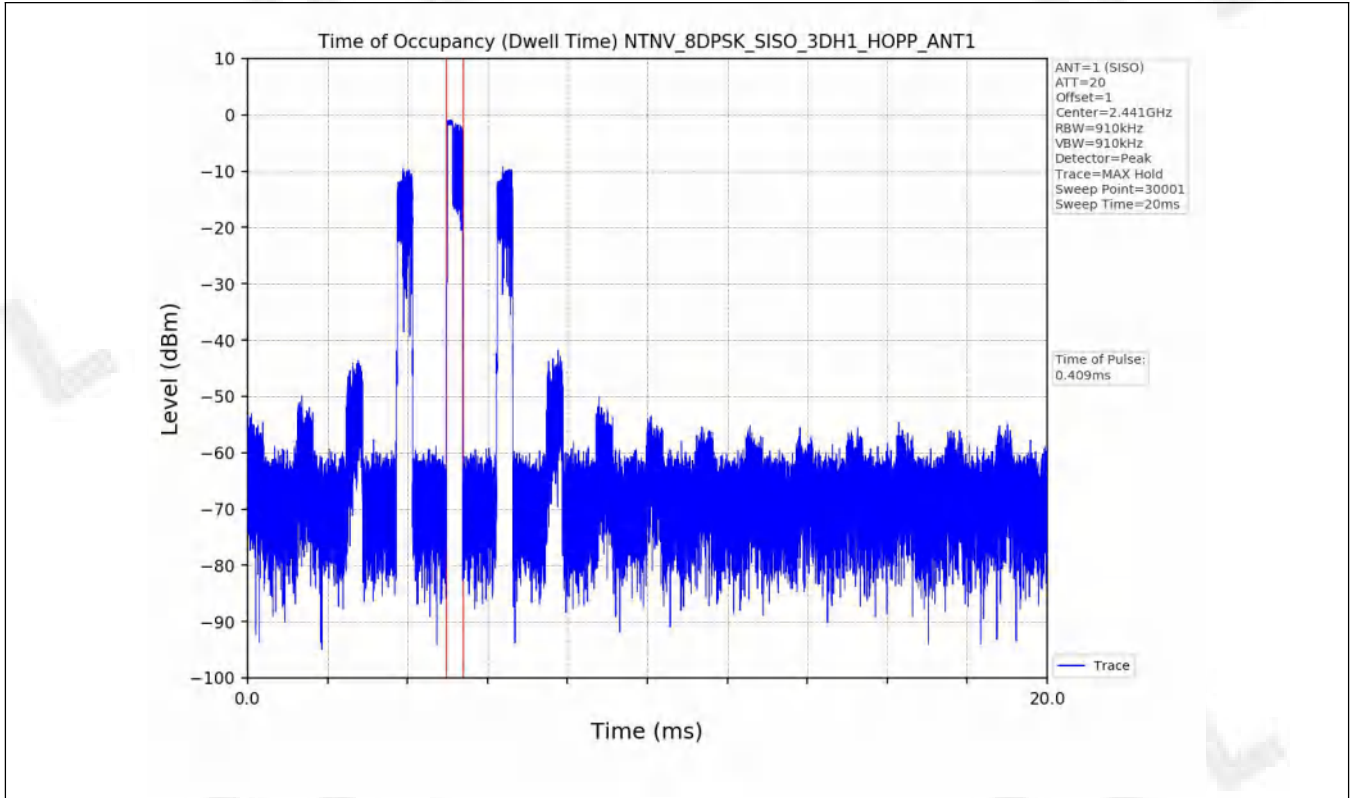


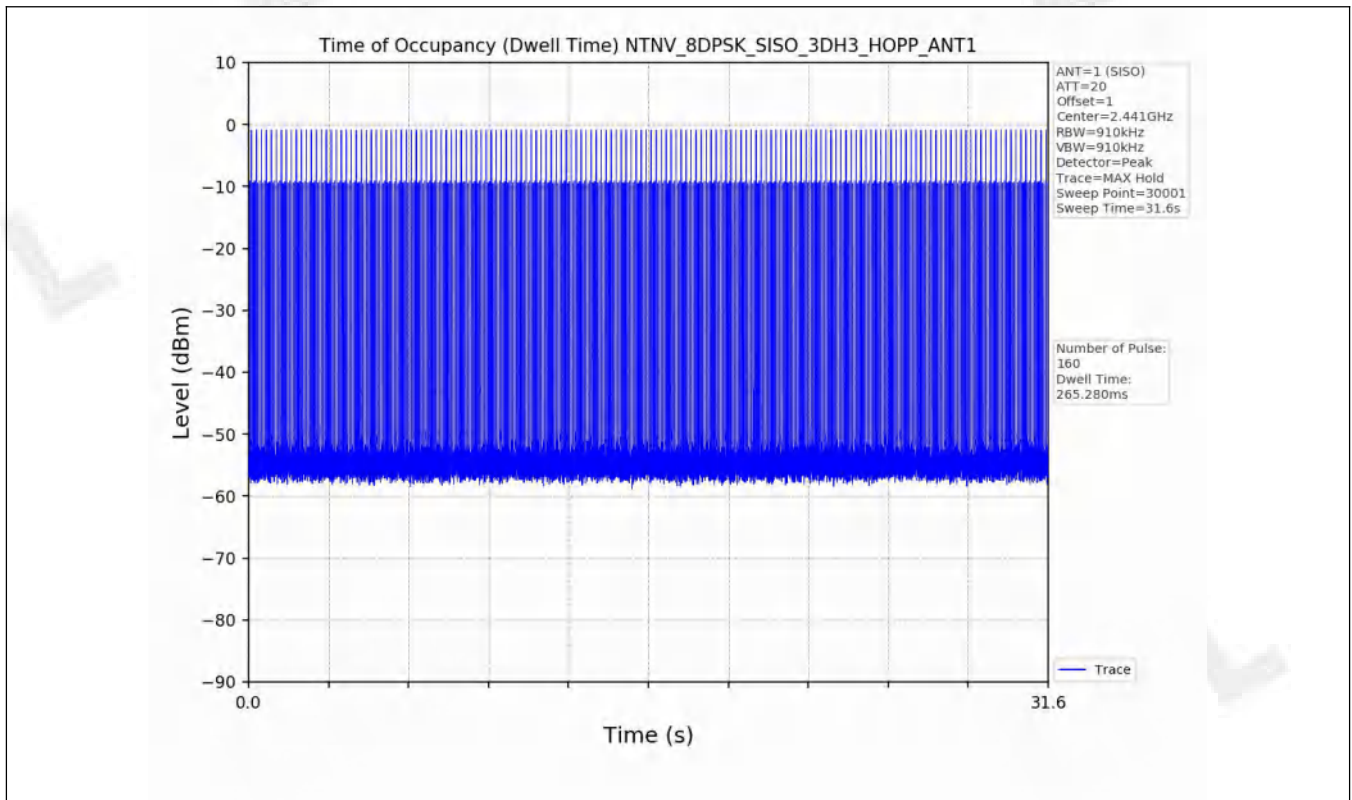
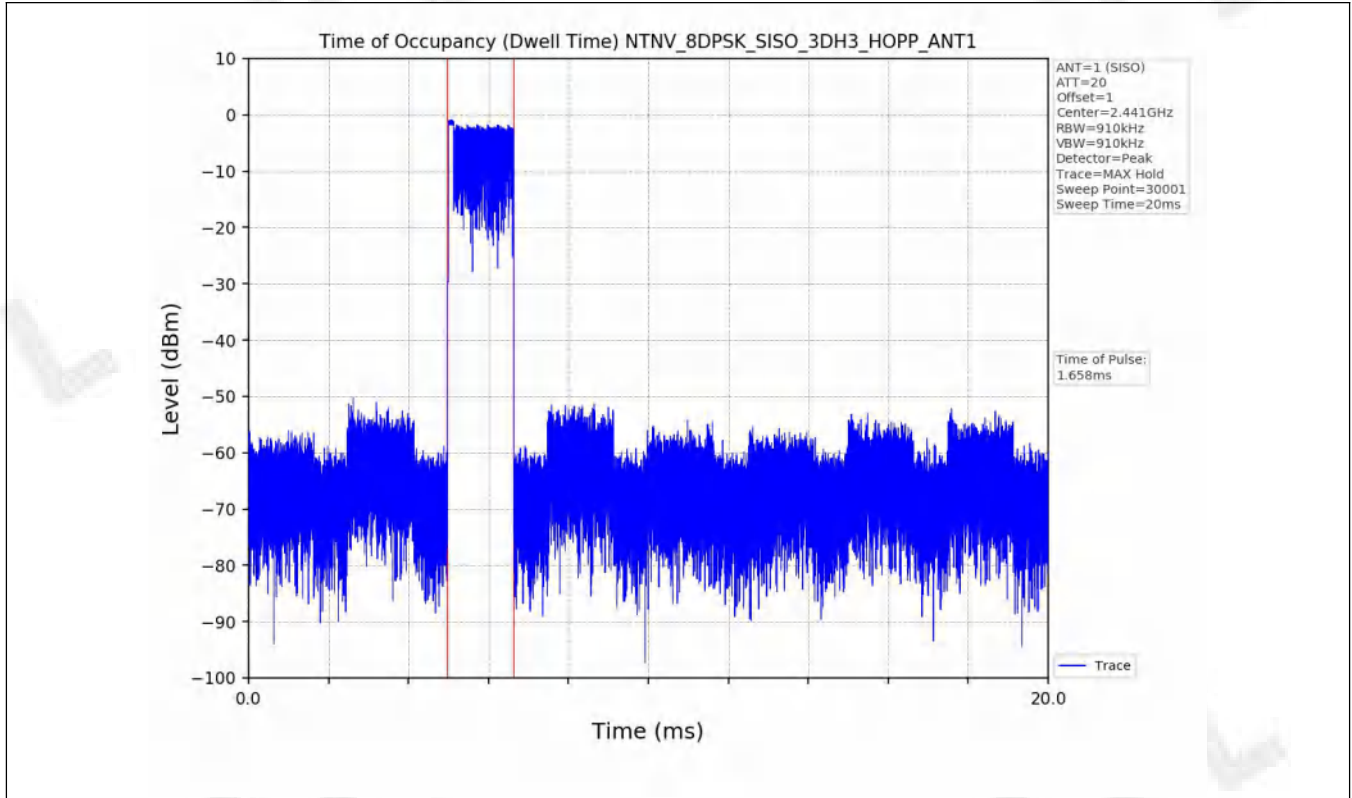


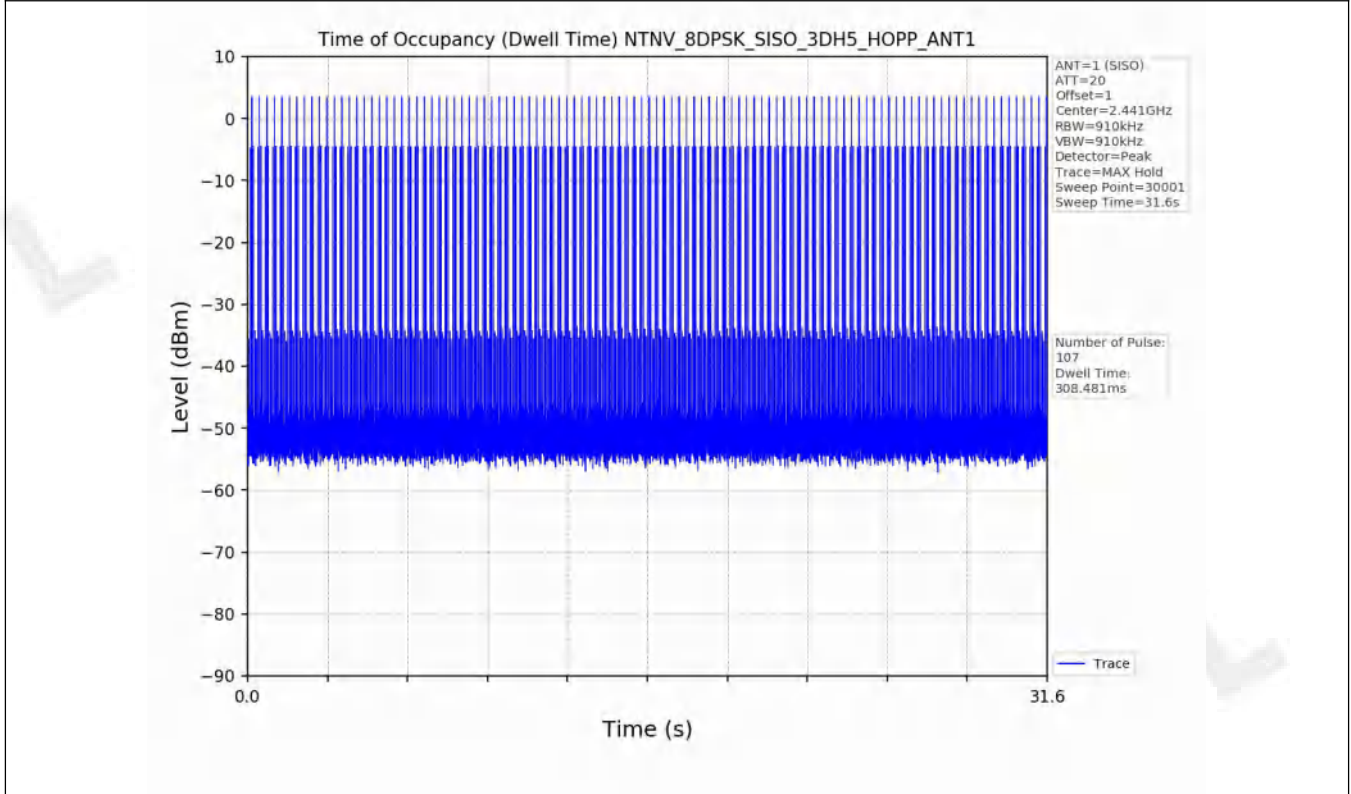
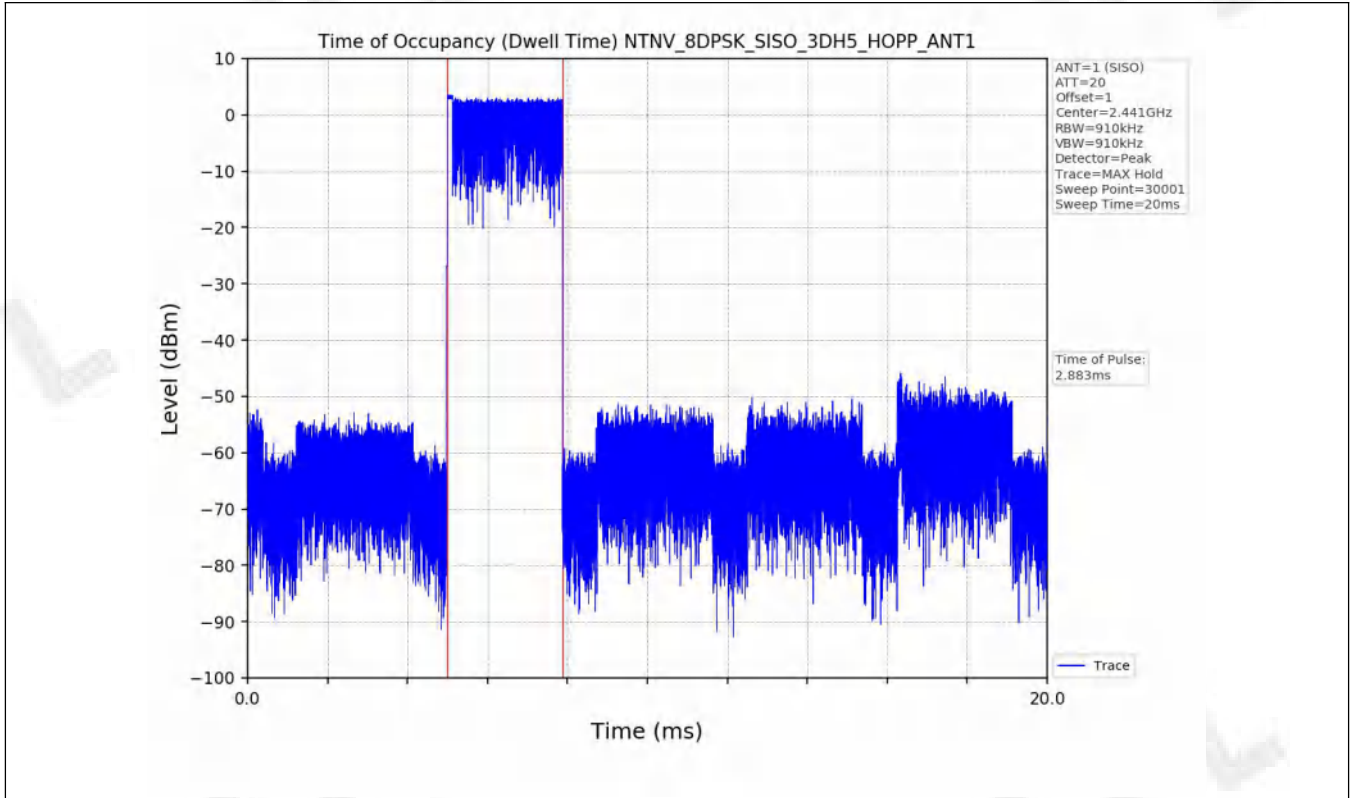












## 6. Unwanted Emissions in Non-restricted Frequency Bands

### 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	-16.59	PASS
	2441	SISO	1	Refer to test graph	-16.59	PASS
	2480	SISO	1	Refer to test graph	-16.59	PASS
	Hopping	SISO	1	Refer to test graph	-16.59	PASS
Pi/4DQPSK	2402	SISO	1	Refer to test graph	-16.76	PASS
	2441	SISO	1	Refer to test graph	-16.76	PASS
	2480	SISO	1	Refer to test graph	-16.76	PASS
	Hopping	SISO	1	Refer to test graph	-16.76	PASS
8DPSK	2402	SISO	1	Refer to test graph	-16.60	PASS
	2441	SISO	1	Refer to test graph	-16.60	PASS
	2480	SISO	1	Refer to test graph	-16.60	PASS
	Hopping	SISO	1	Refer to test graph	-16.60	PASS

### 6.2 Test Graph

