

**Appendix for 15.247**

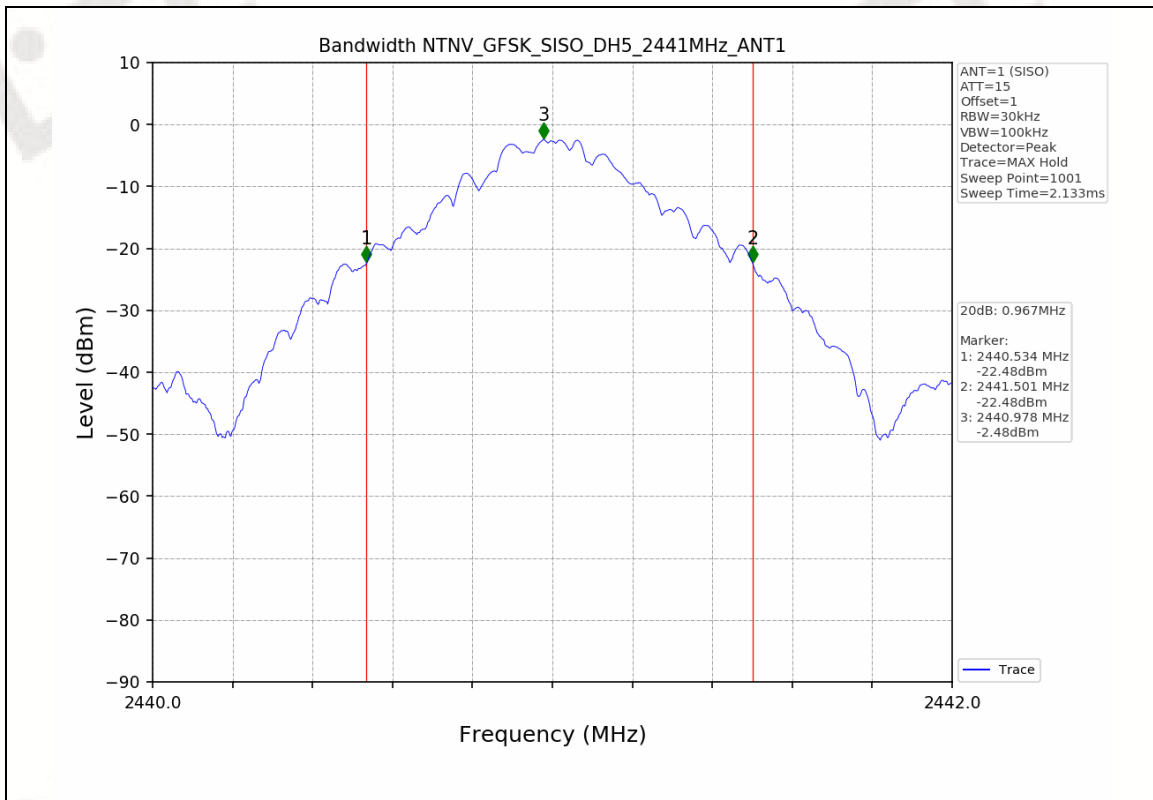
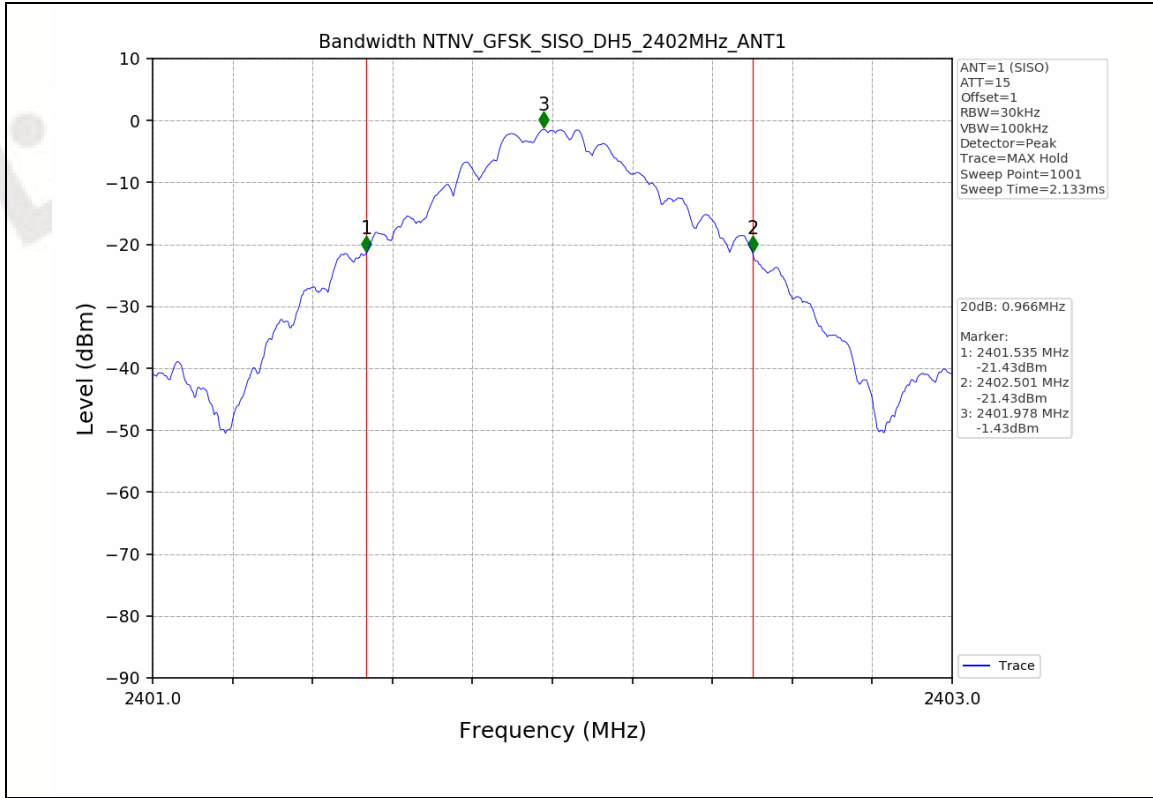
**1. Bandwidth**

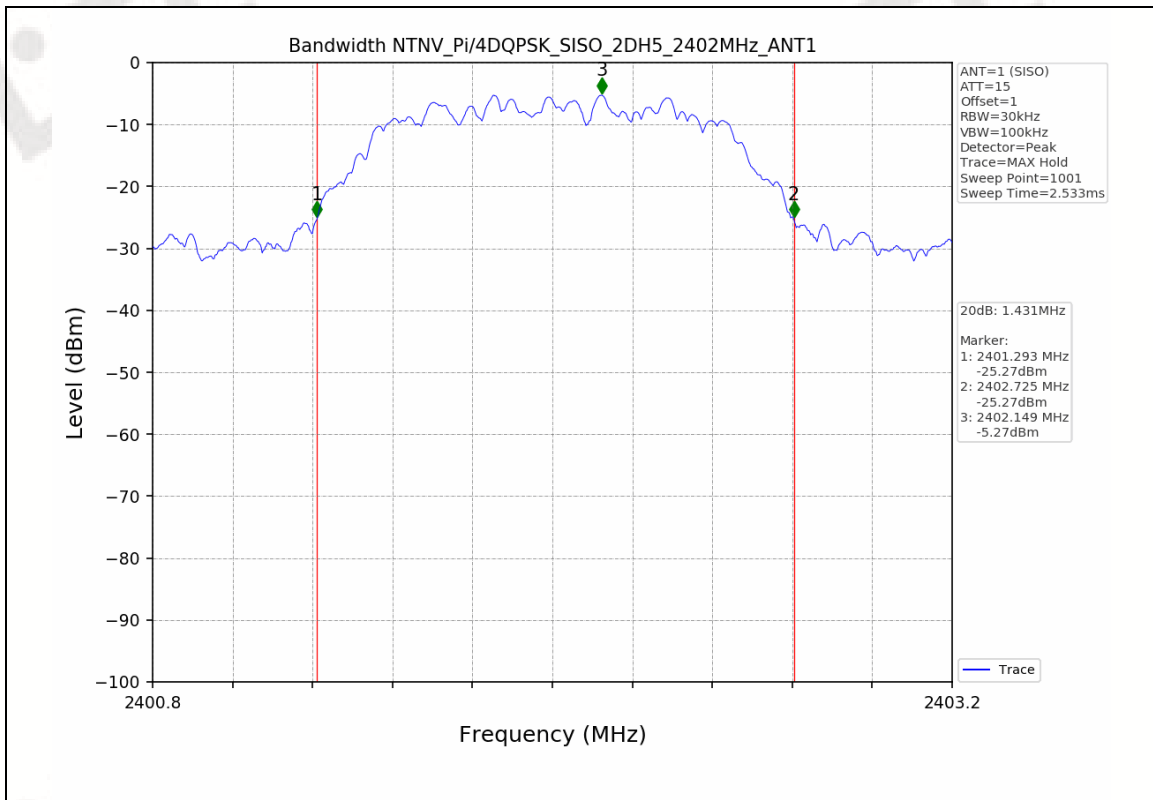
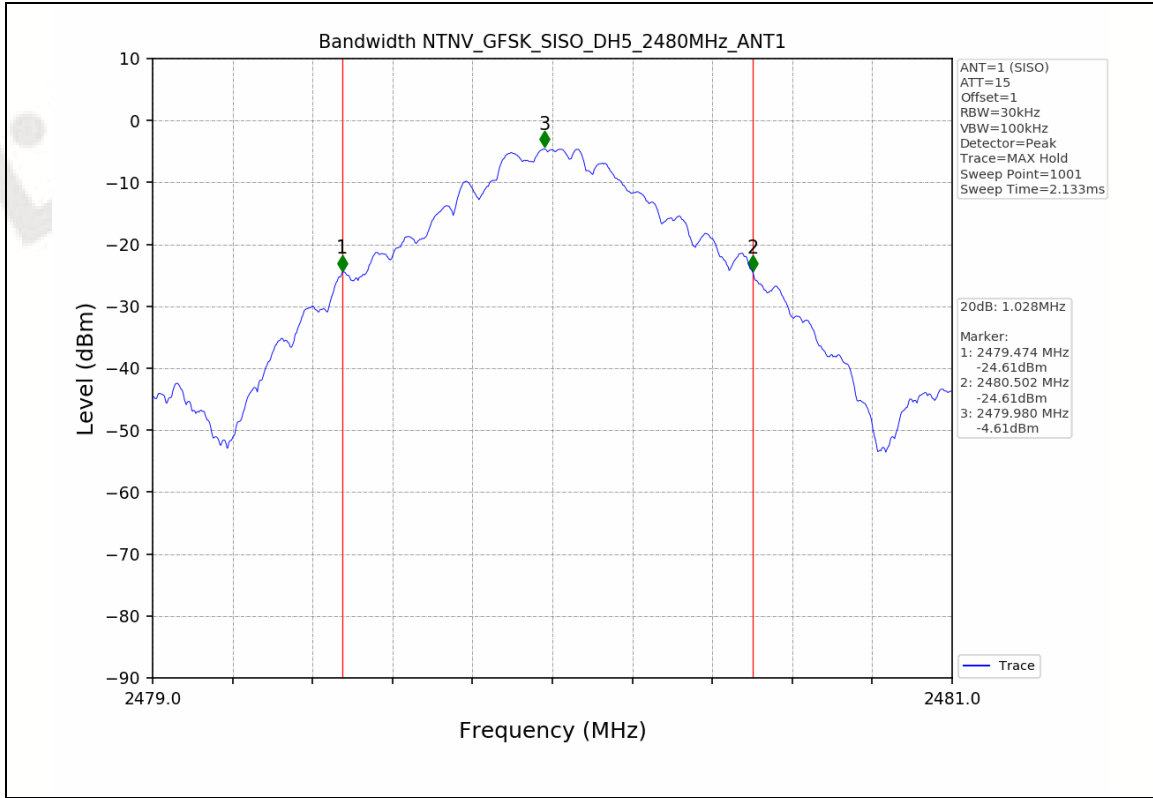
**1.1 Test Result**

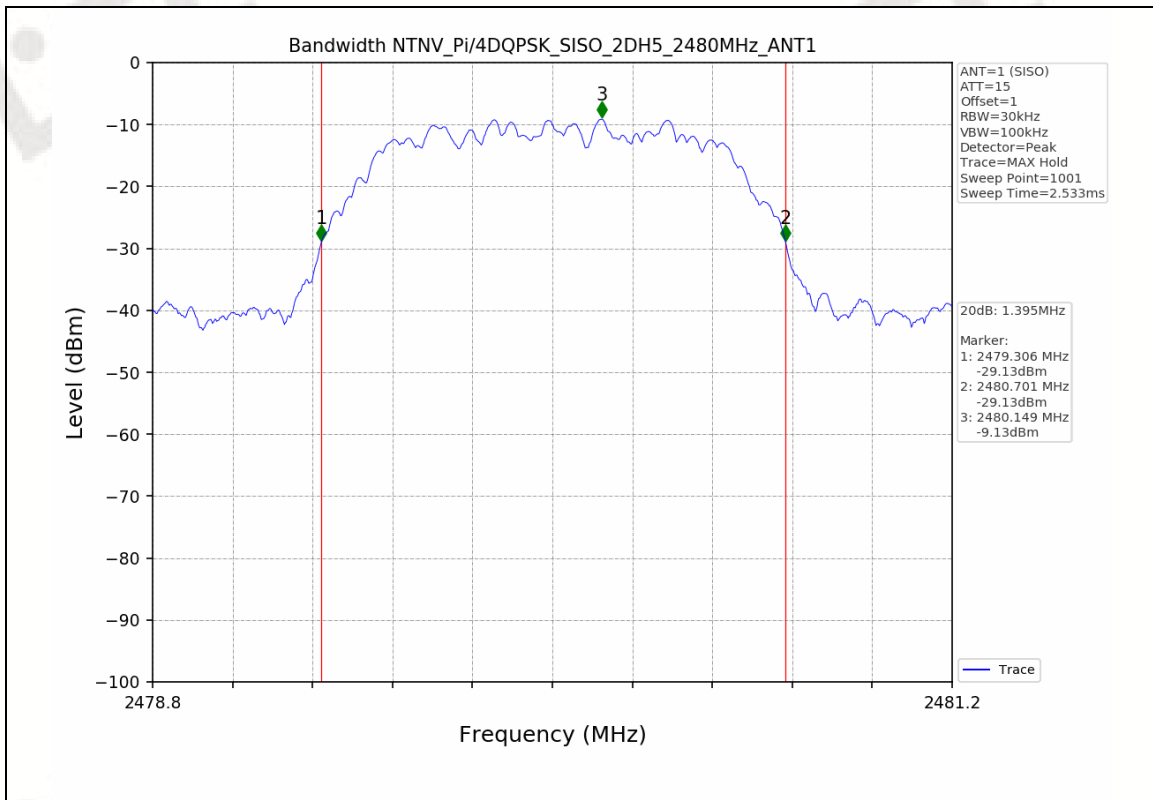
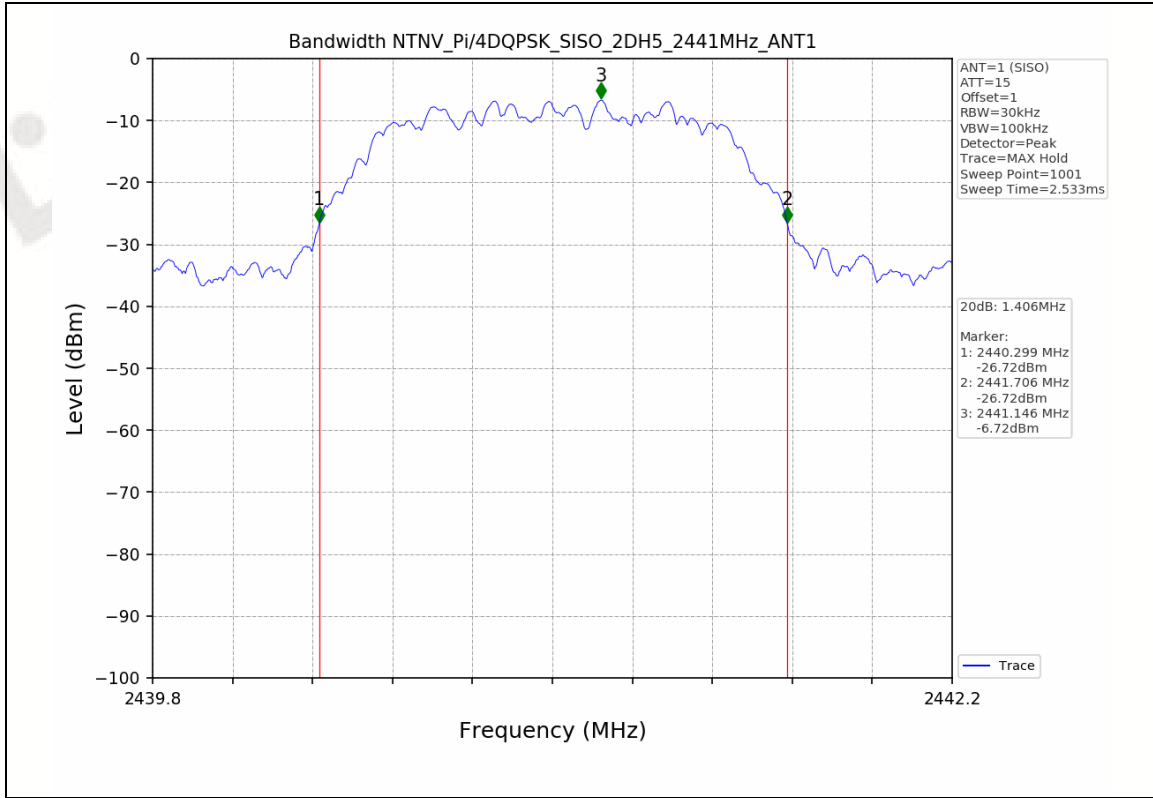
Test Mode	Frequency (MHz)	TX Type	ANT No.	20dB Bandwidth	Verdict
				Test Result (MHz)	
GFSK	2402	SISO	1	0.966	PASS
	2441	SISO	1	0.967	PASS
	2480	SISO	1	1.028	PASS
Pi/4DQPSK	2402	SISO	1	1.431	PASS
	2441	SISO	1	1.406	PASS
	2480	SISO	1	1.395	PASS
8DPSK	2402	SISO	1	1.408	PASS
	2441	SISO	1	1.391	PASS
	2480	SISO	1	1.374	PASS

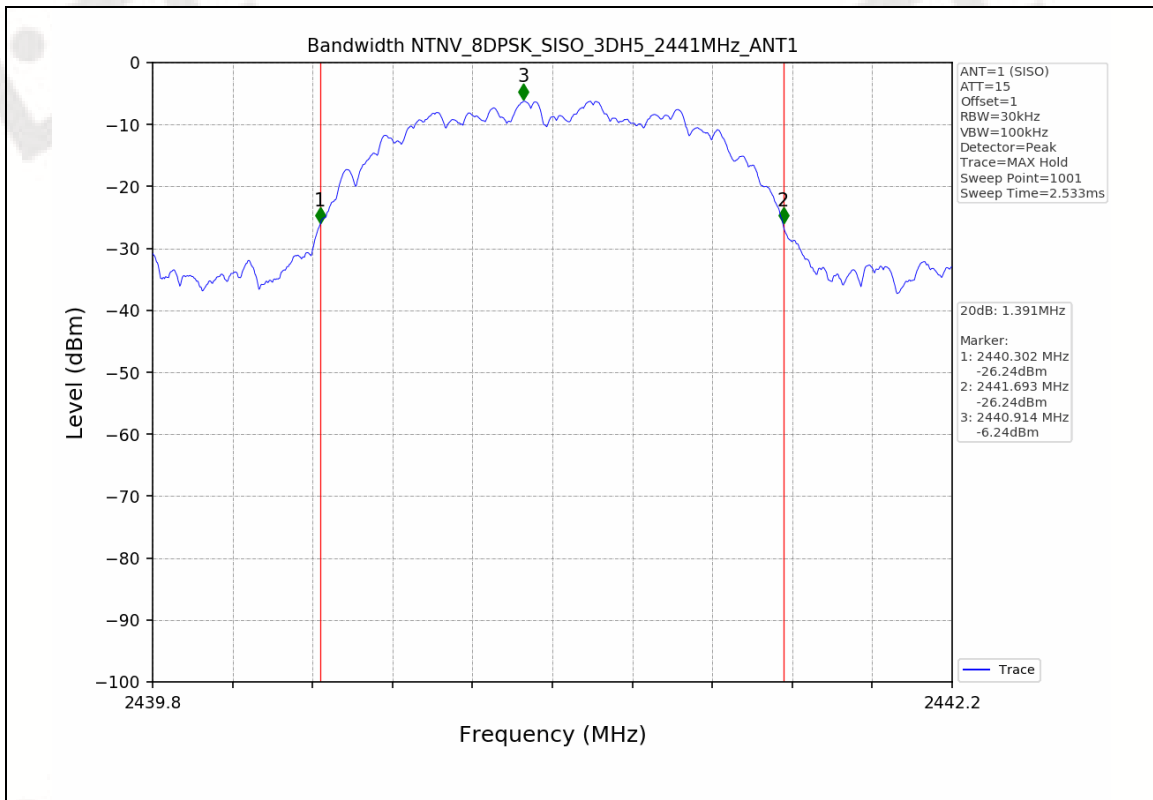
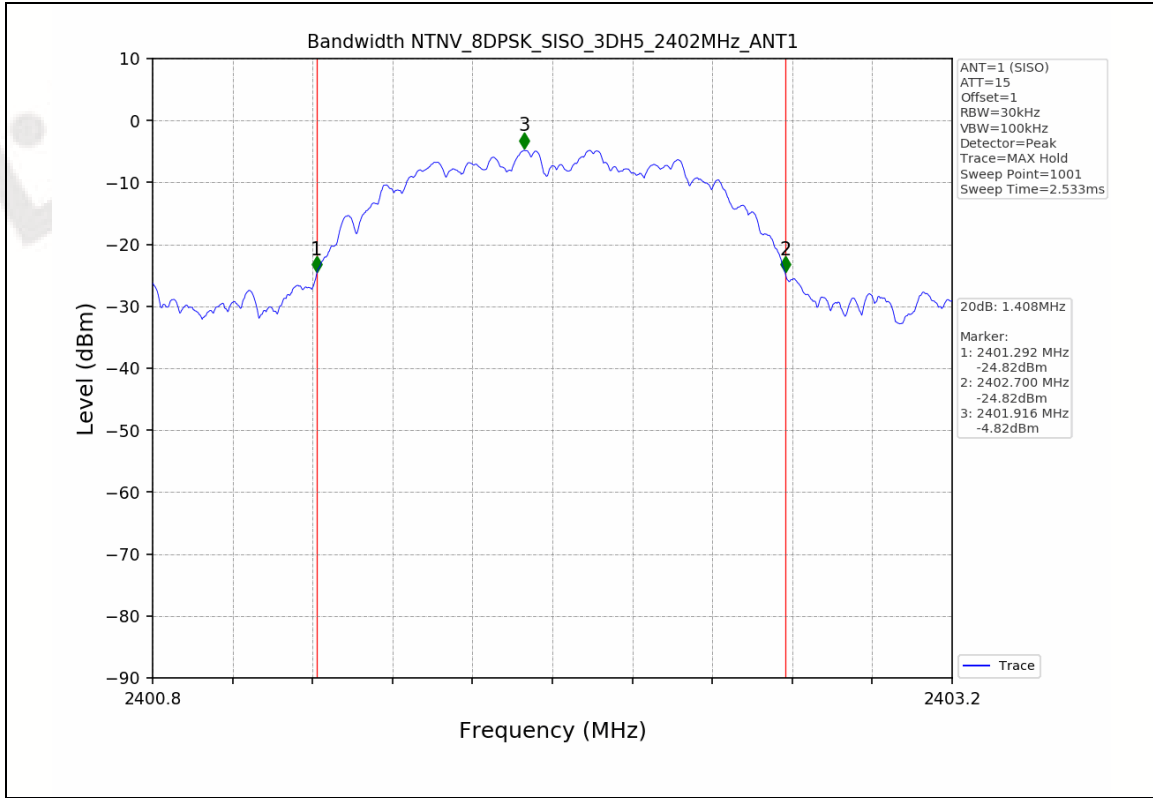
Test Mode	Frequency (MHz)	TX Type	ANT No.	99% Occupied Bandwidth	
				Test Result (MHz)	
GFSK	2402	SISO	1	0.899	Only for Report Use
	2441	SISO	1	0.899	Only for Report Use
	2480	SISO	1	0.898	Only for Report Use
Pi/4DQPSK	2402	SISO	1	1.341	Only for Report Use
	2441	SISO	1	1.262	Only for Report Use
	2480	SISO	1	1.226	Only for Report Use
8DPSK	2402	SISO	1	1.312	Only for Report Use
	2441	SISO	1	1.258	Only for Report Use
	2480	SISO	1	1.232	Only for Report Use

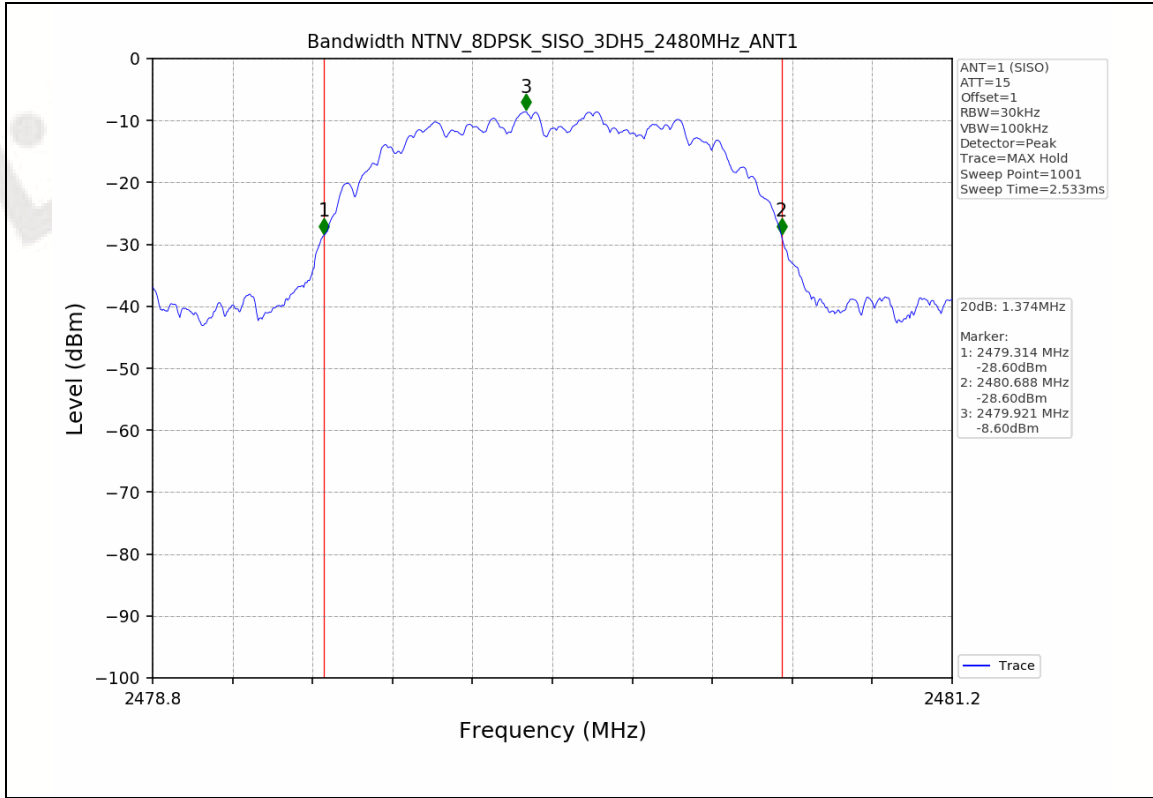
**1.2 Test Graph - 20dB Bandwidth**



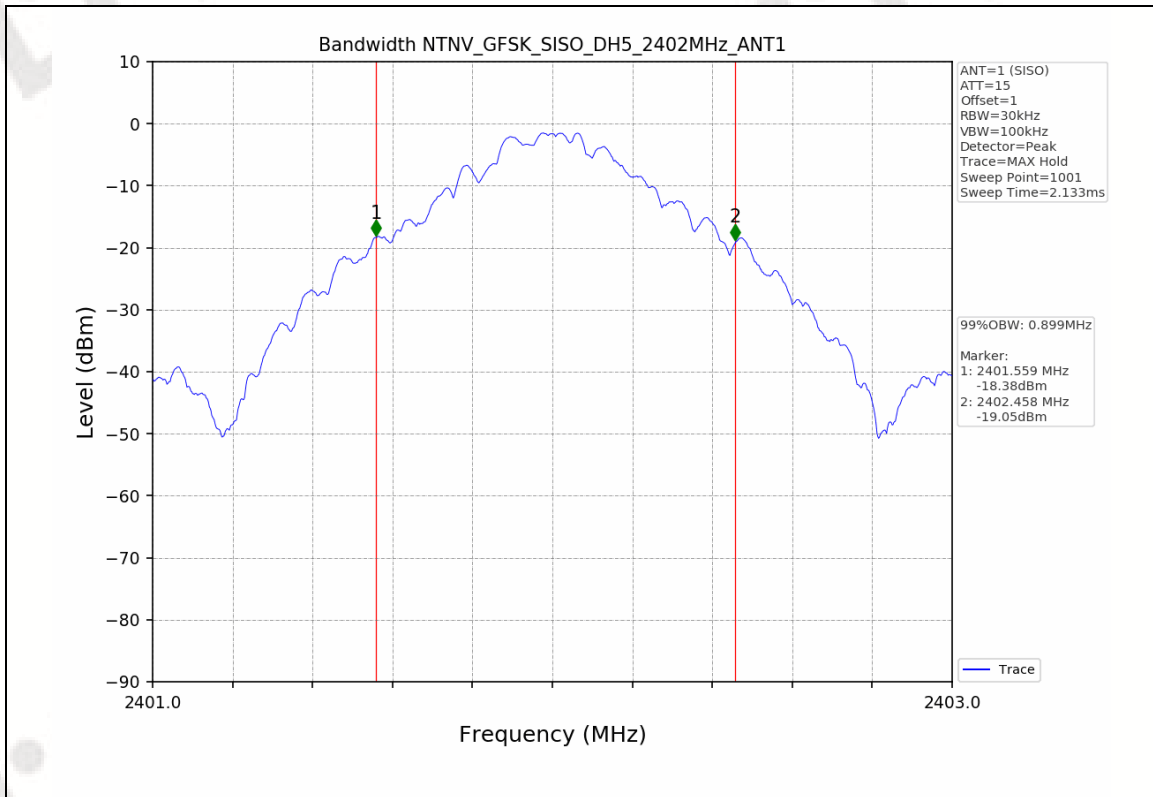


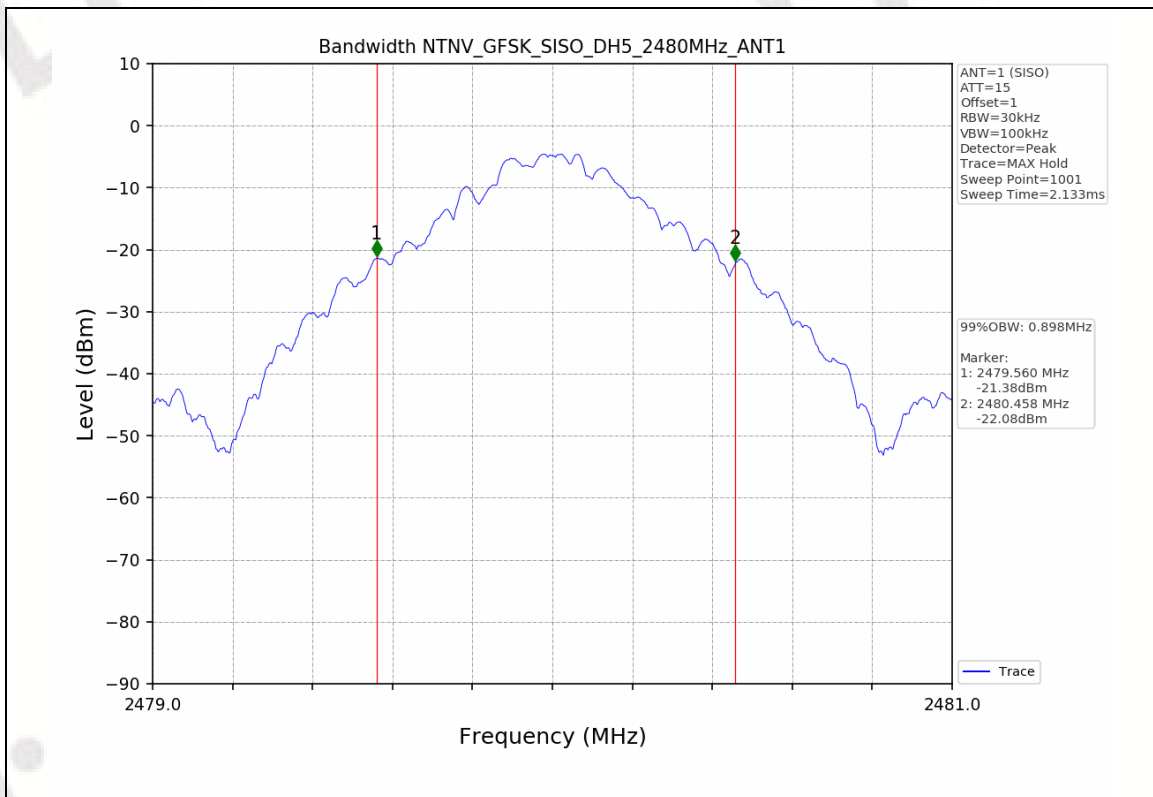
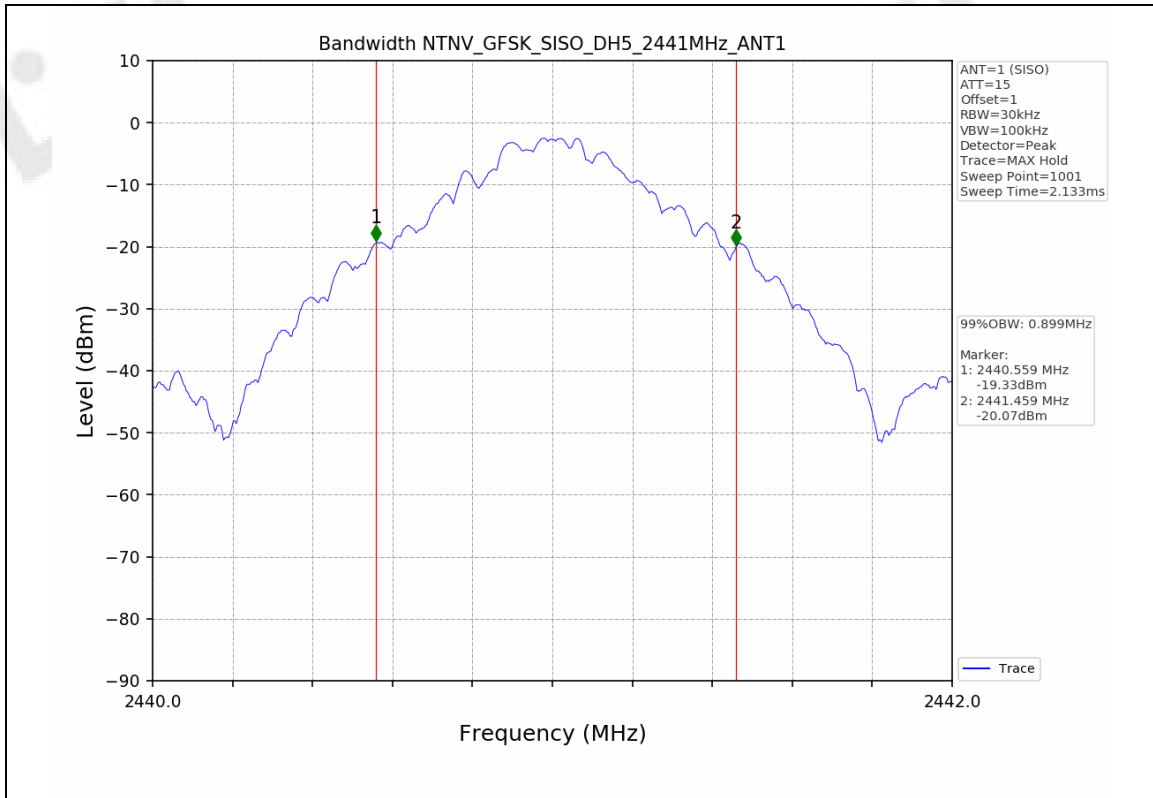


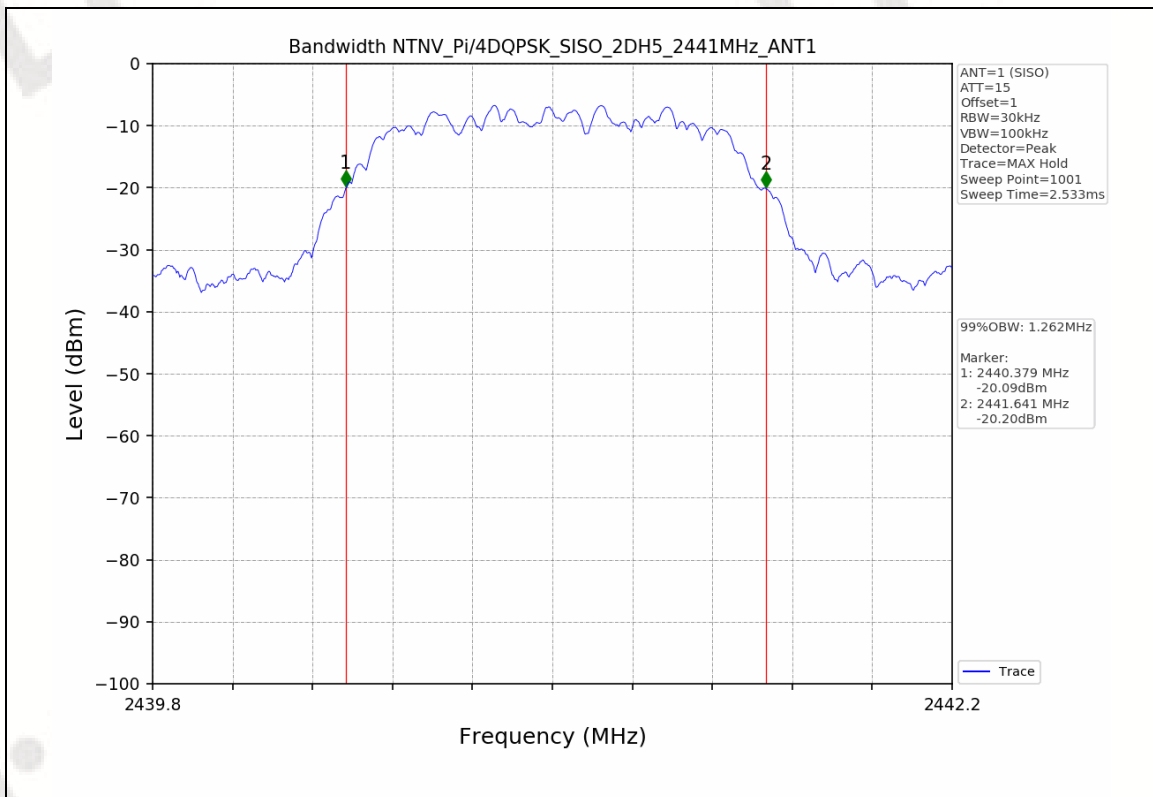
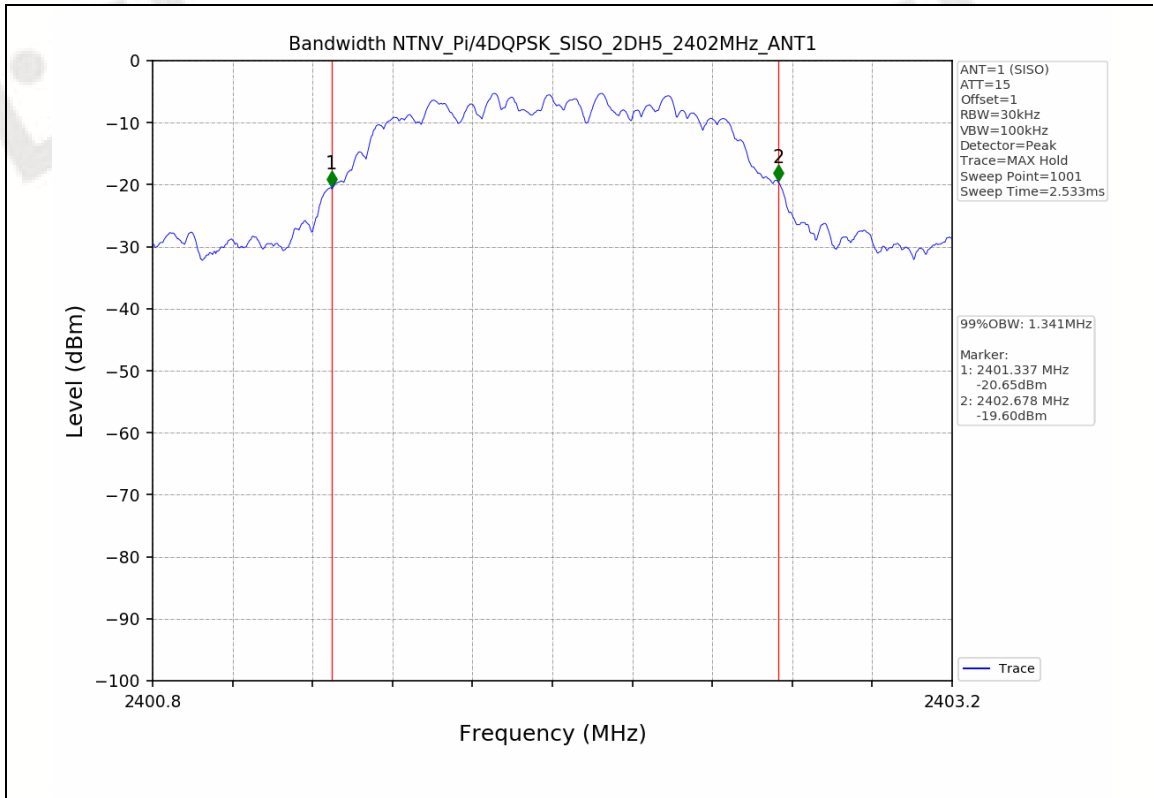




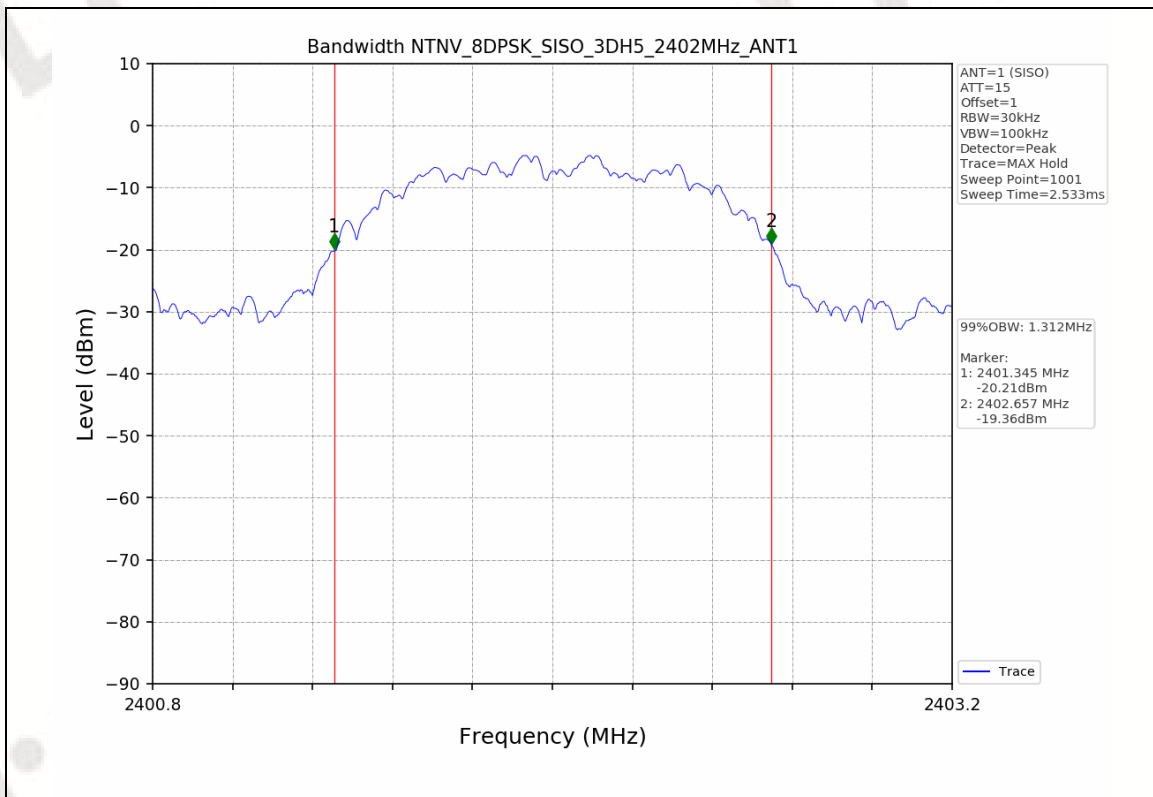
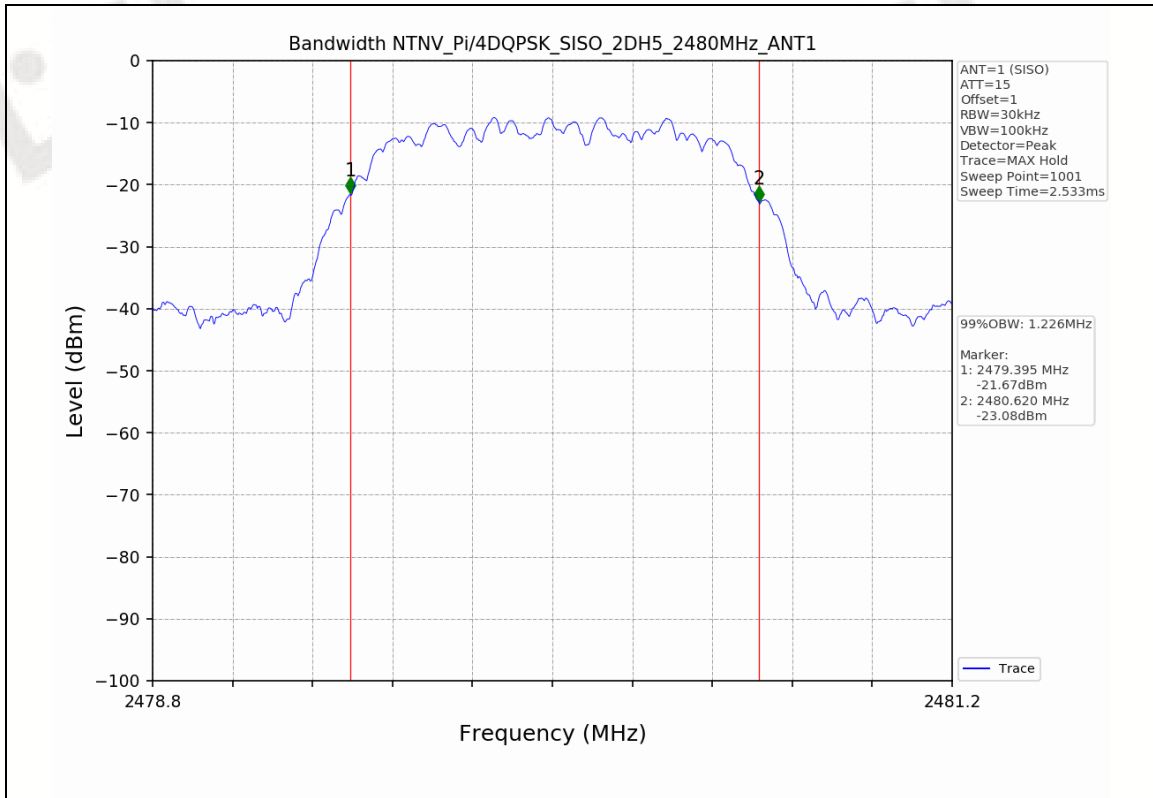
### 1.3 Test Graph - 99% Occupied Bandwidth

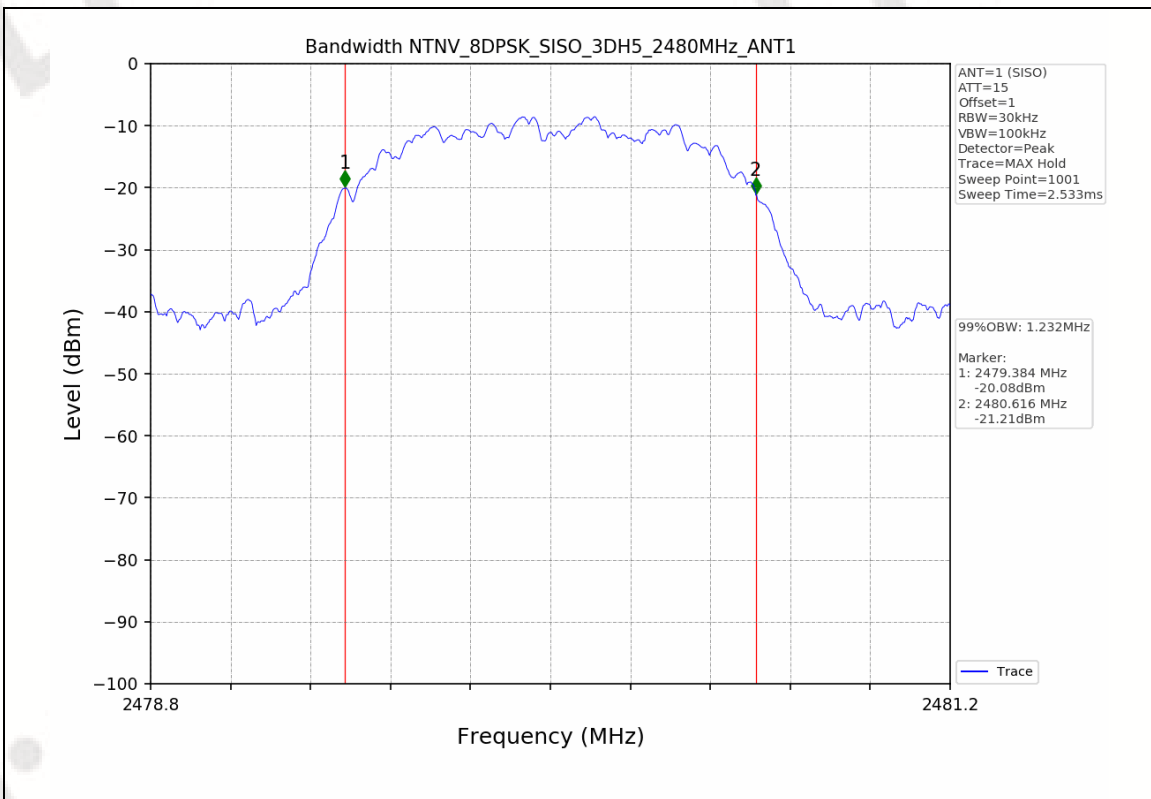
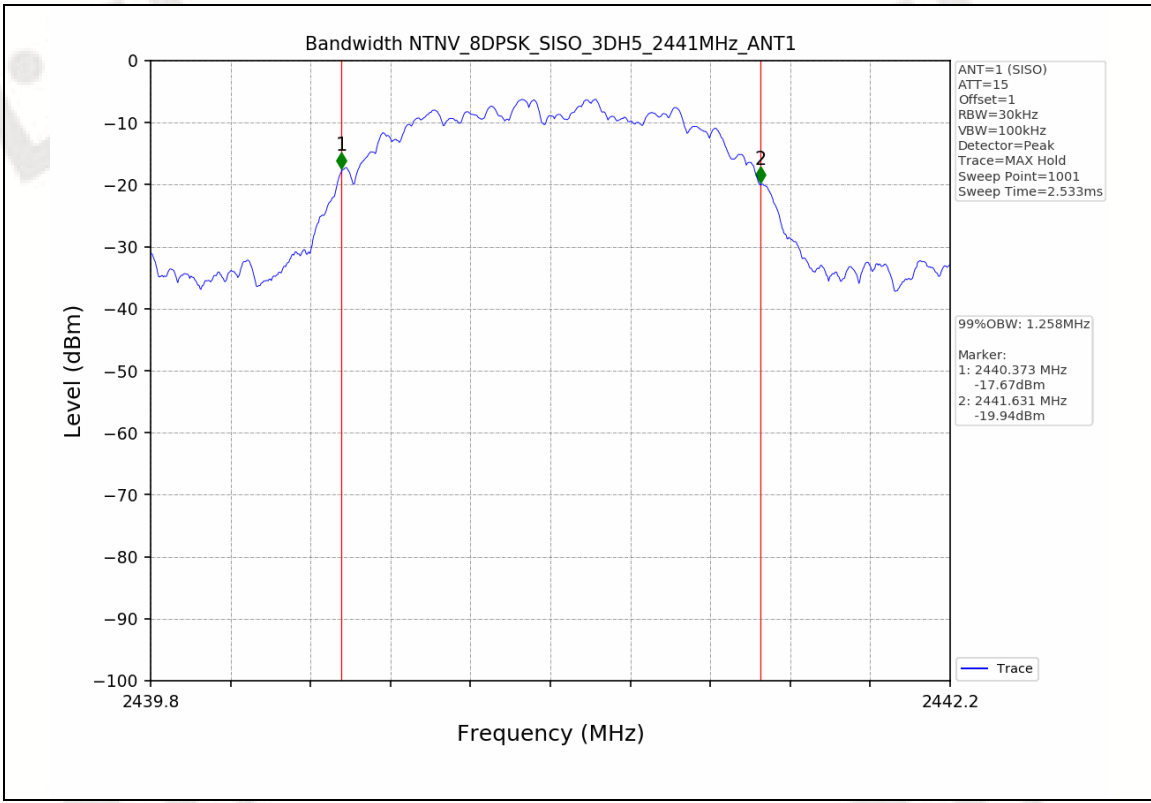










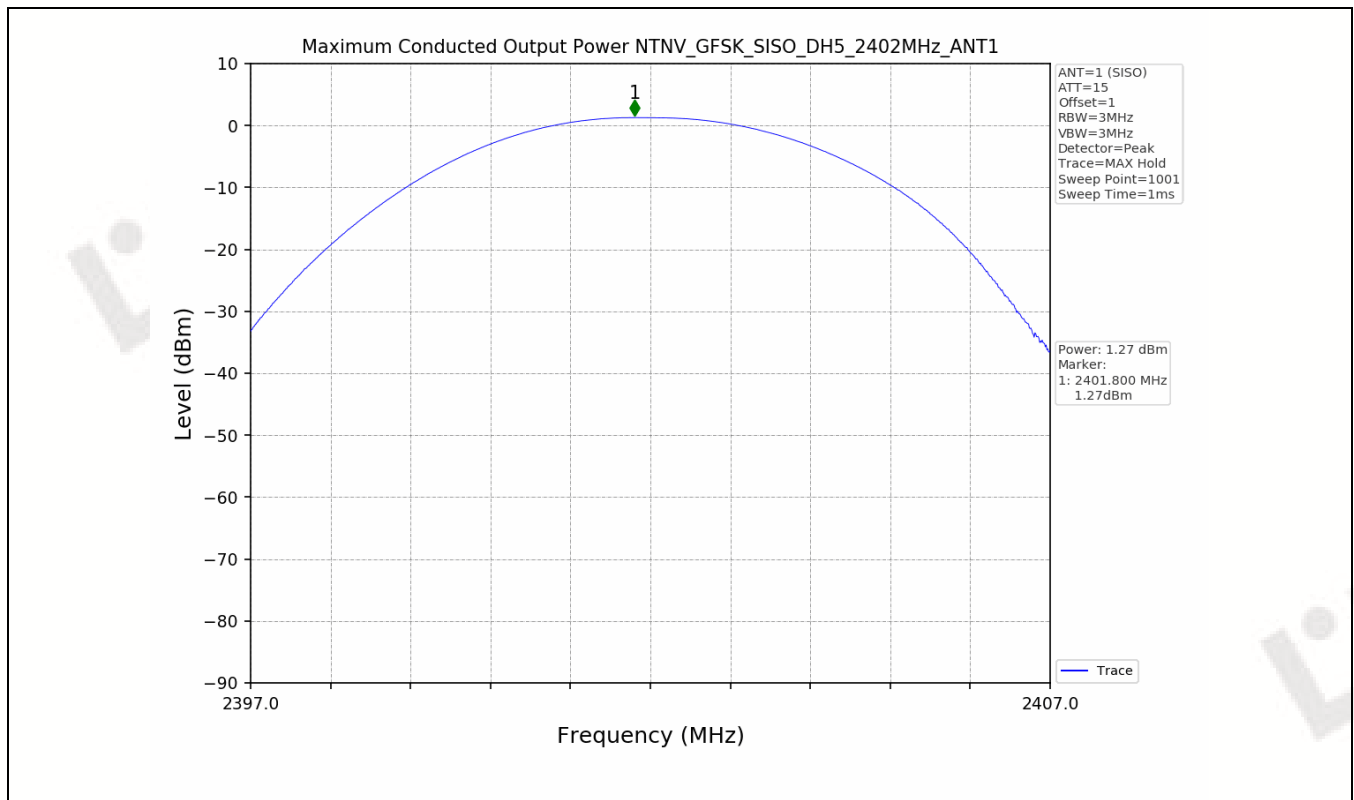


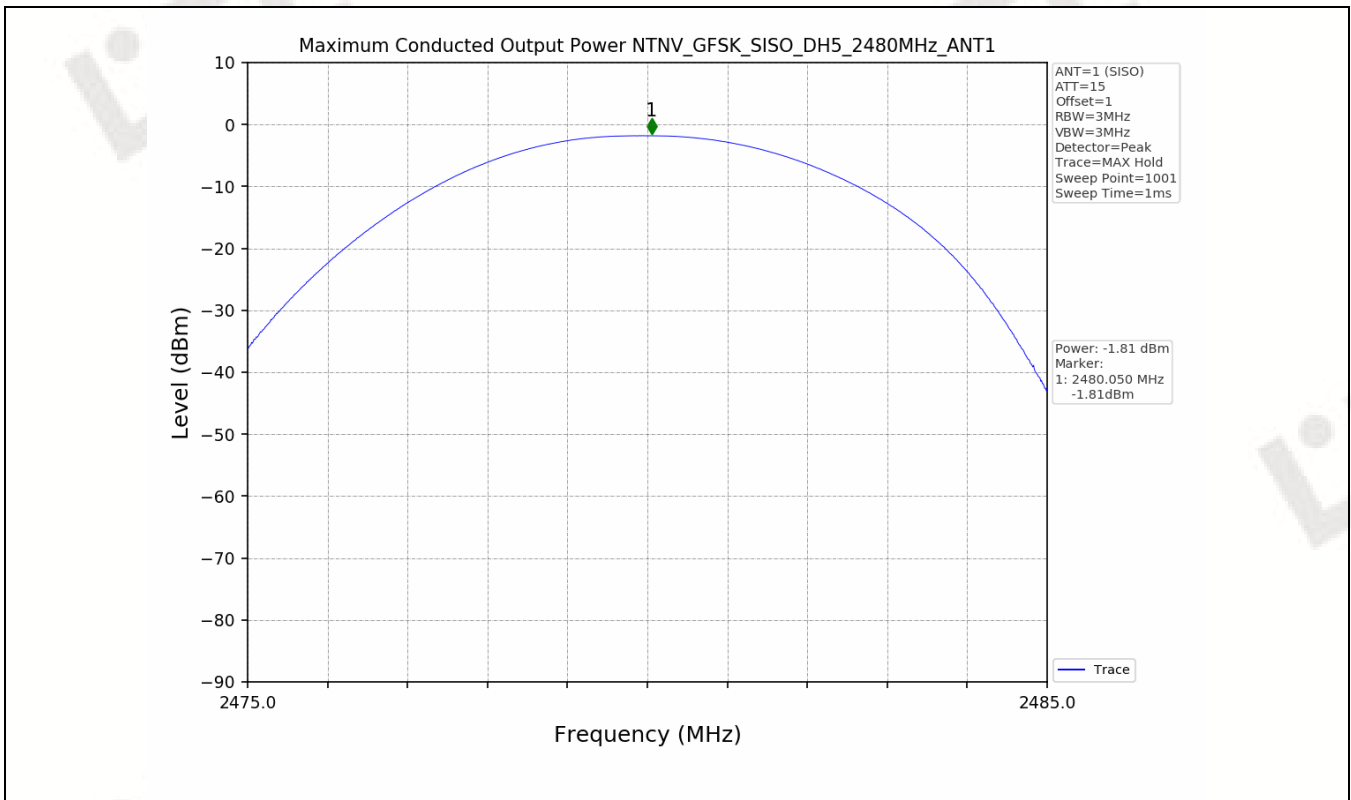
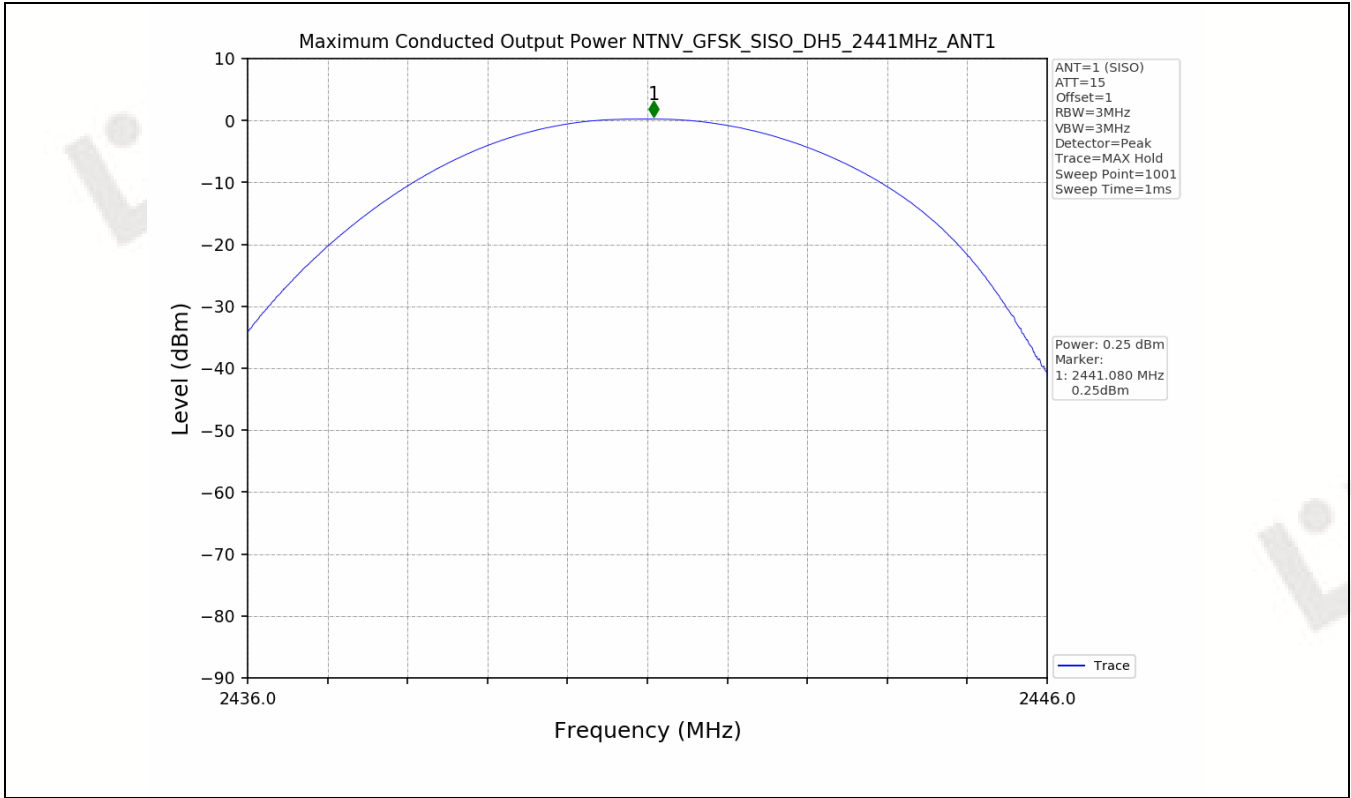
## 2. Maximum Conducted Output Power

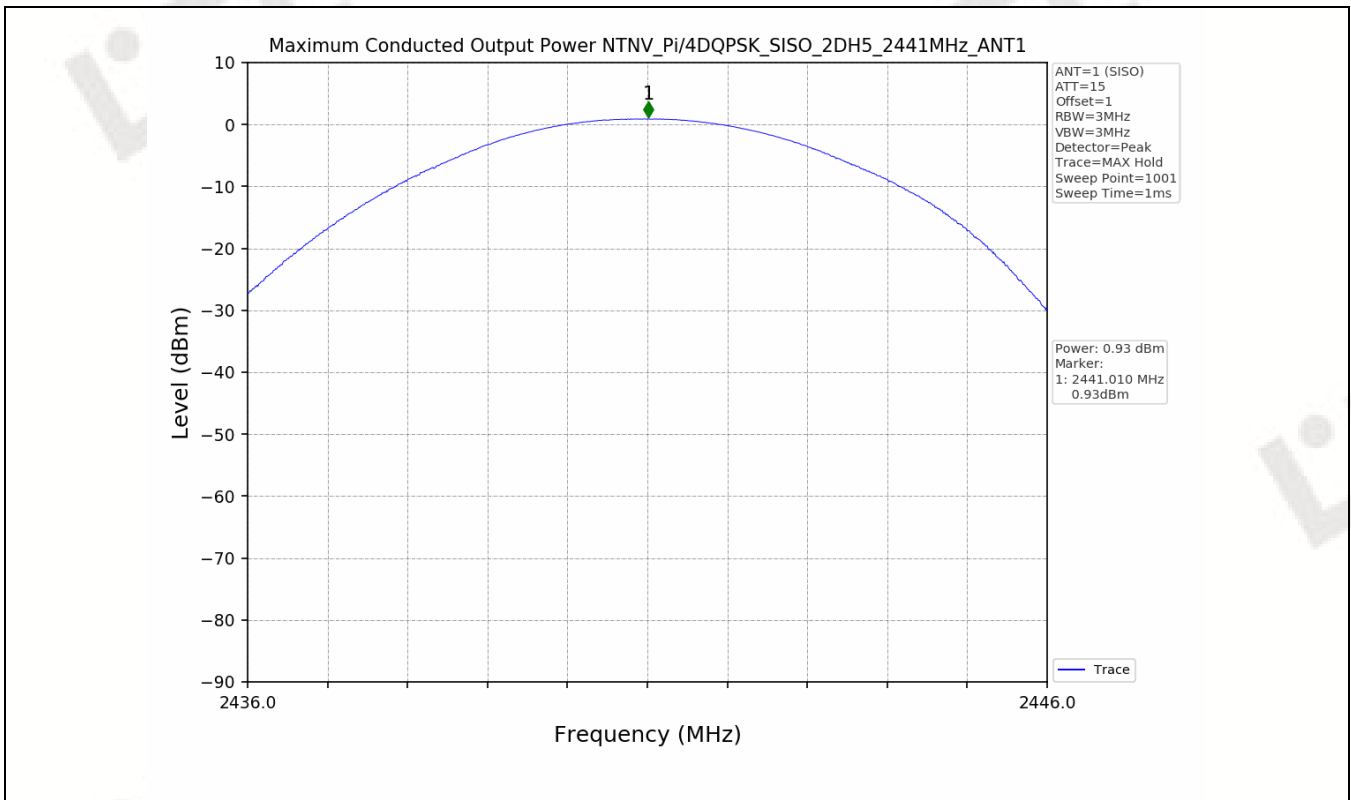
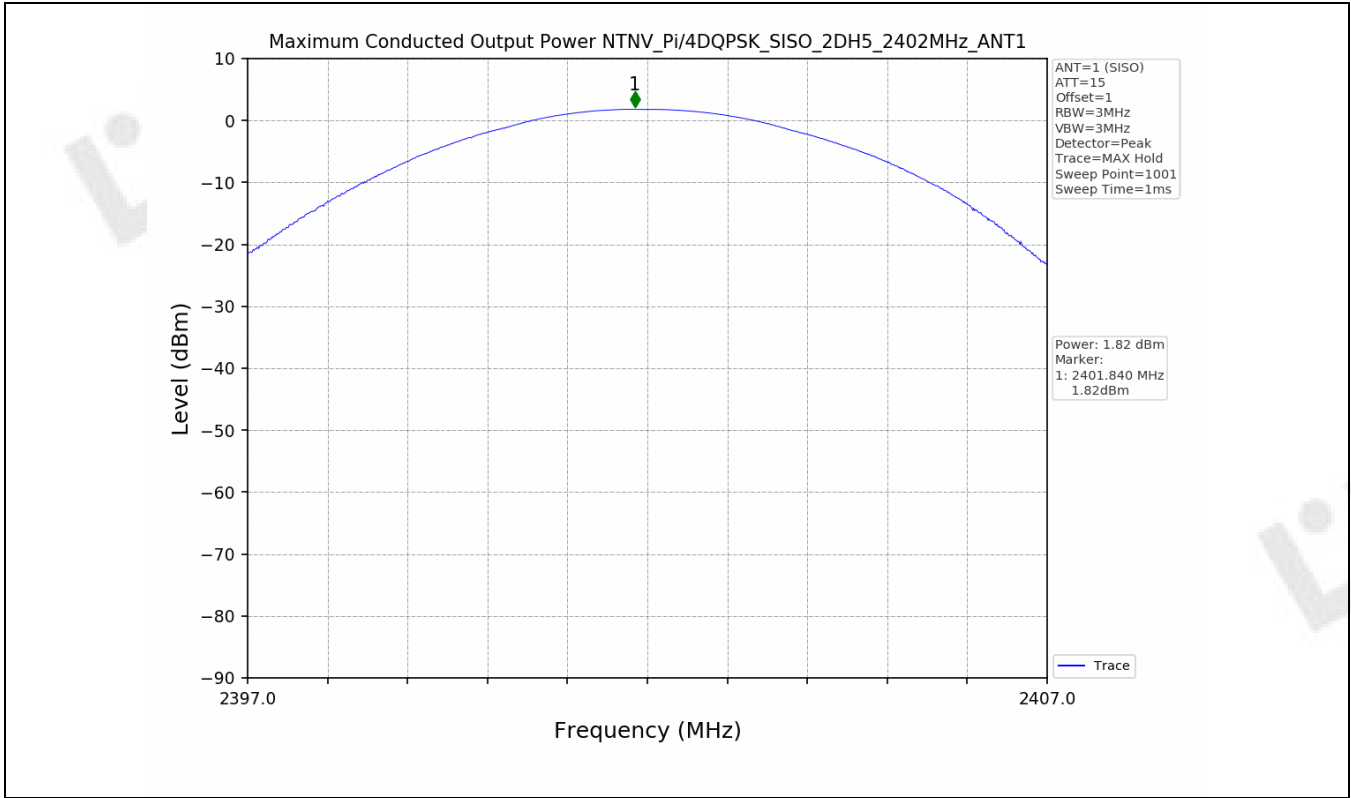
### 2.1 Test Result

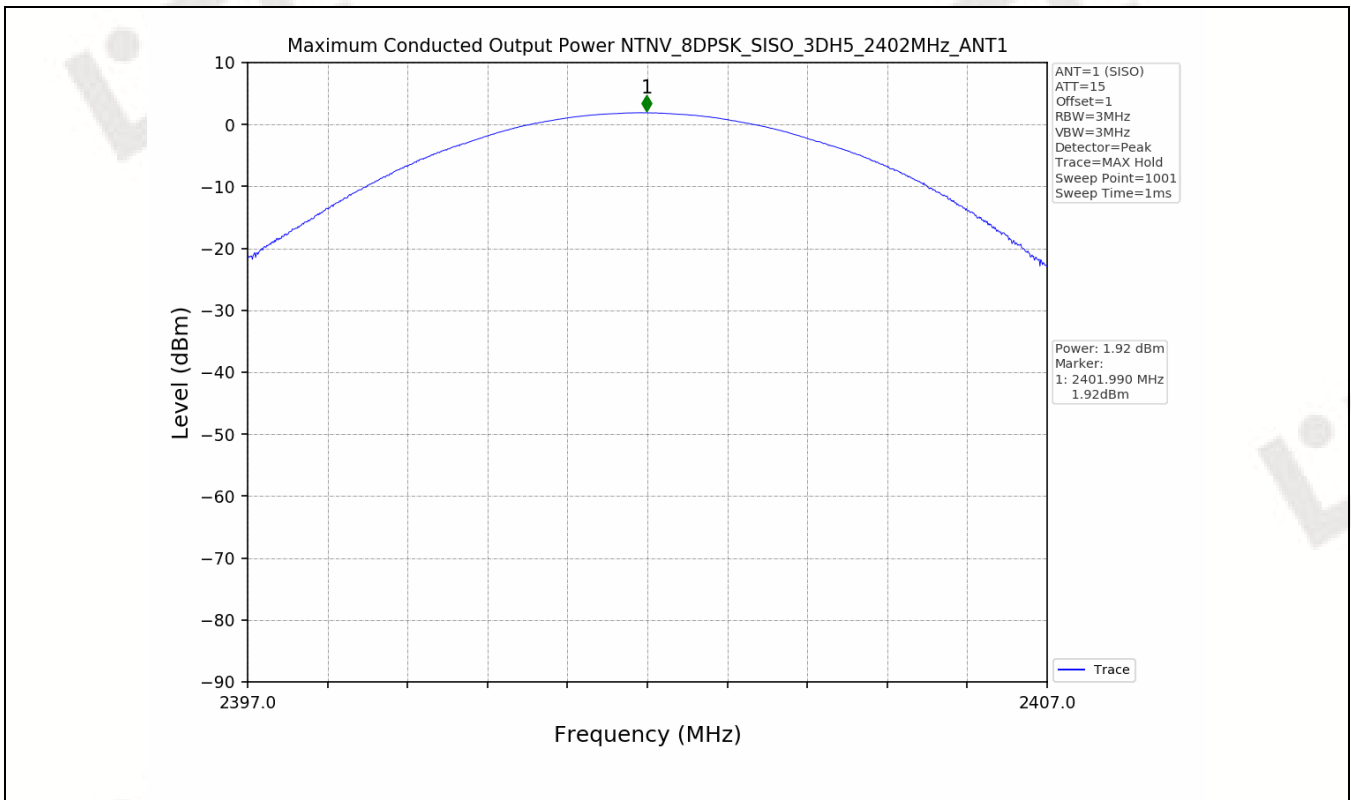
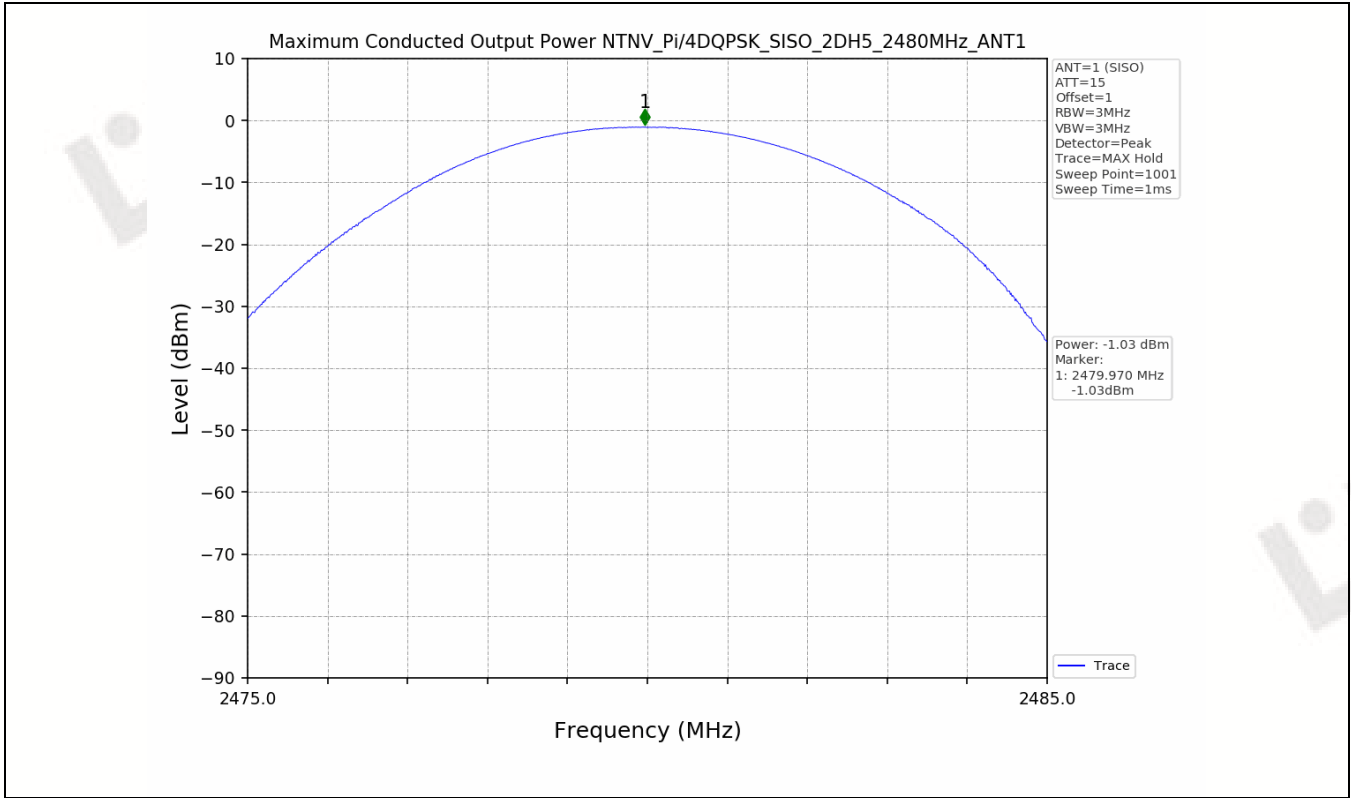
Test Mode	Frequency (MHz)	Tx Type	Measured Peak Output Power (dBm)	Limits (dBm)	Verdict
			Ant 1		
GFSK	2402	SISO	1.27	20.97	PASS
	2441	SISO	0.25	20.97	PASS
	2480	SISO	-1.81	20.97	PASS
Pi/4DQPSK	2402	SISO	1.82	20.97	PASS
	2441	SISO	0.93	20.97	PASS
	2480	SISO	-1.03	20.97	PASS
8DPSK	2402	SISO	1.92	20.97	PASS
	2441	SISO	1.10	20.97	PASS
	2480	SISO	-0.73	20.97	PASS

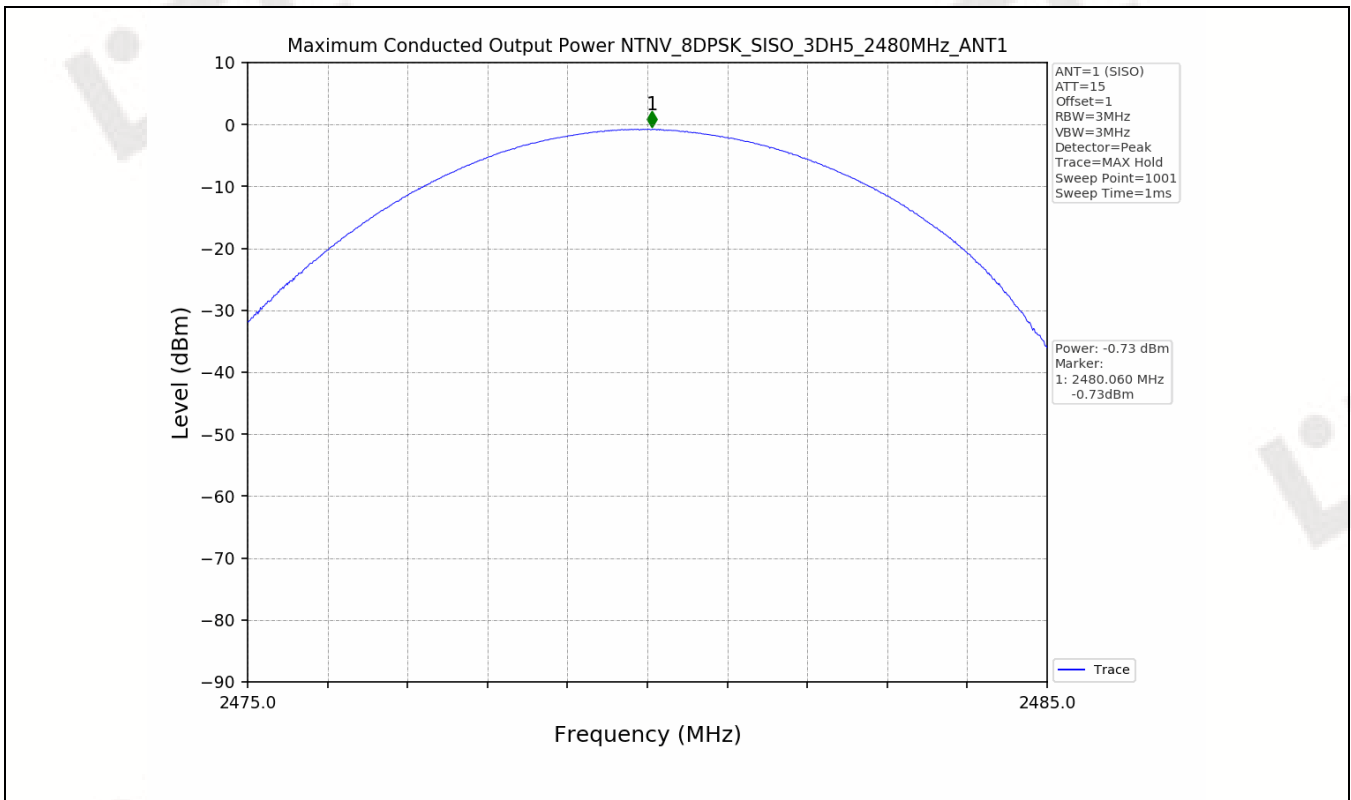
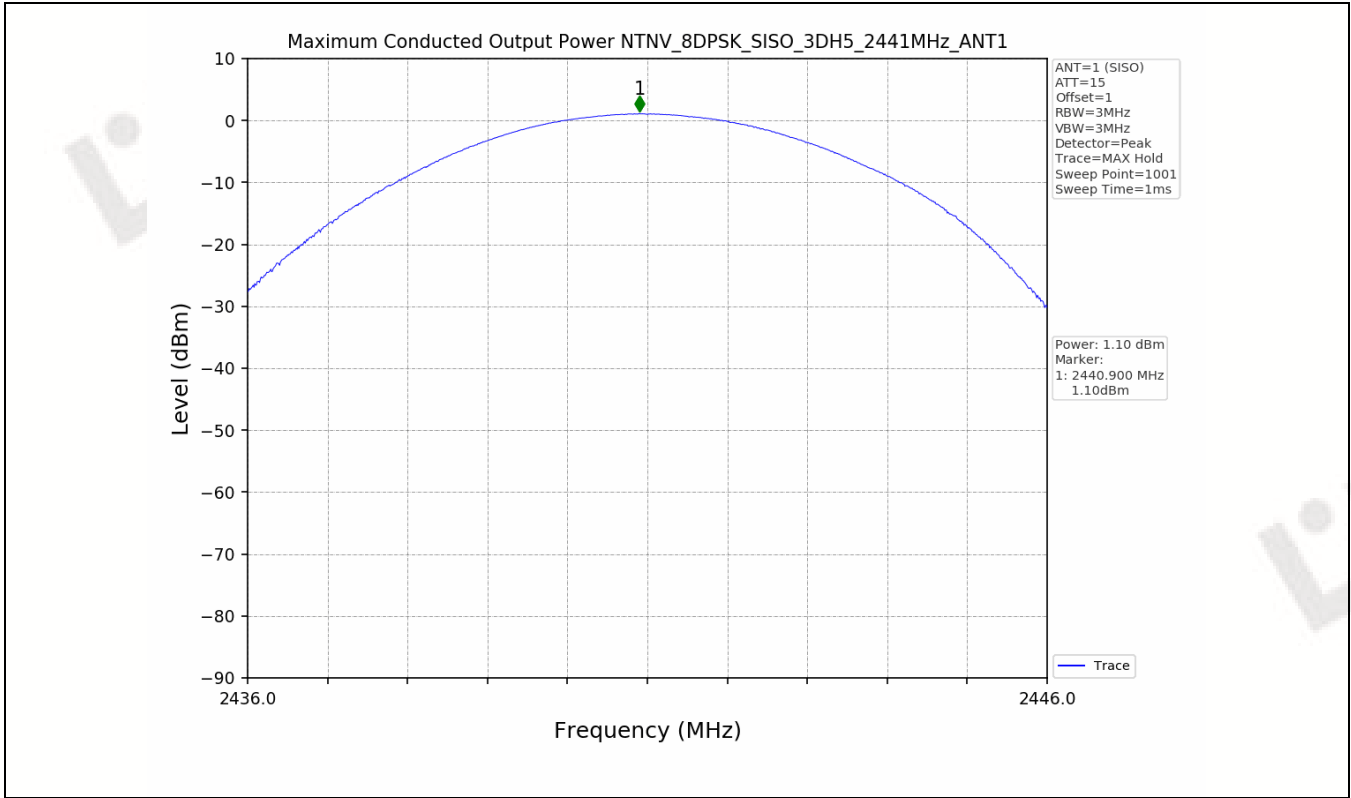
### 2.2 Test Graph









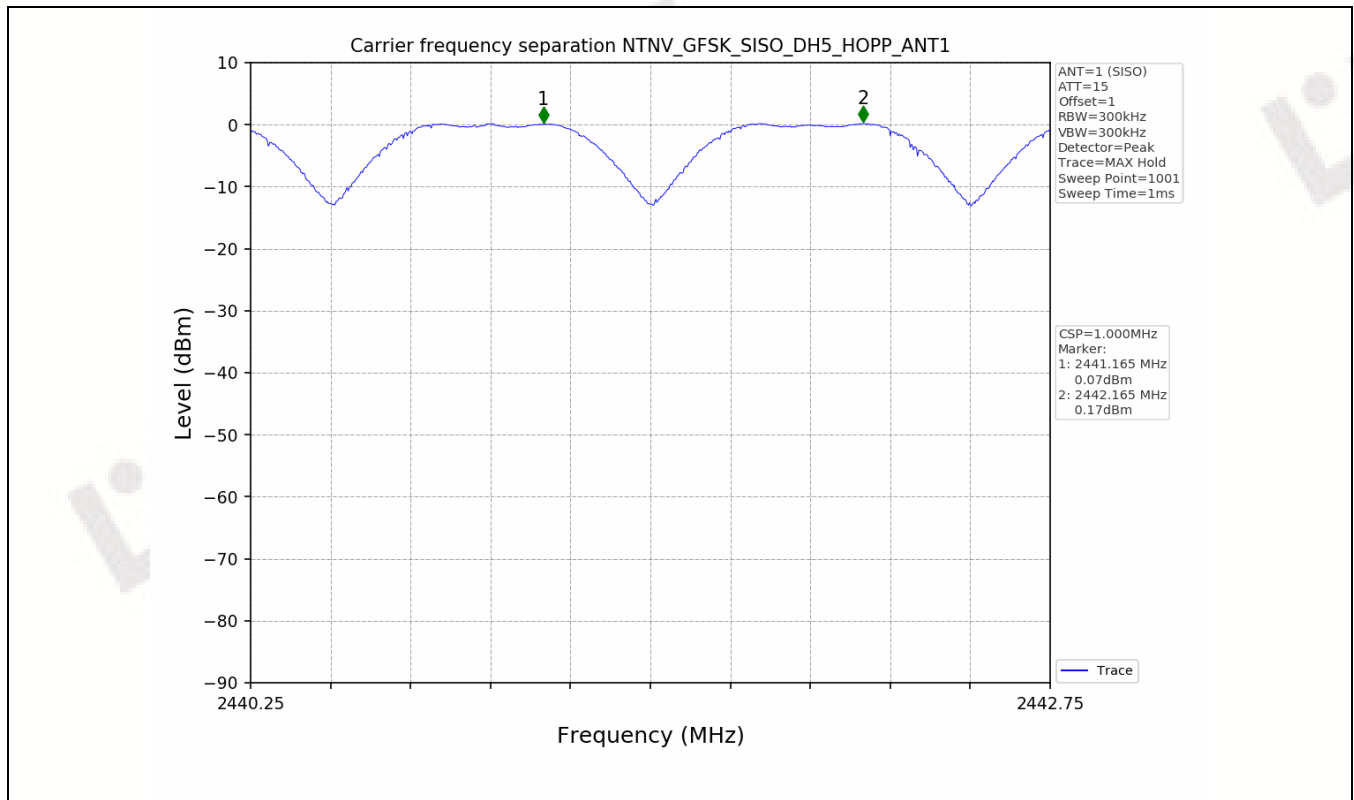


### 3. Carrier frequency separation

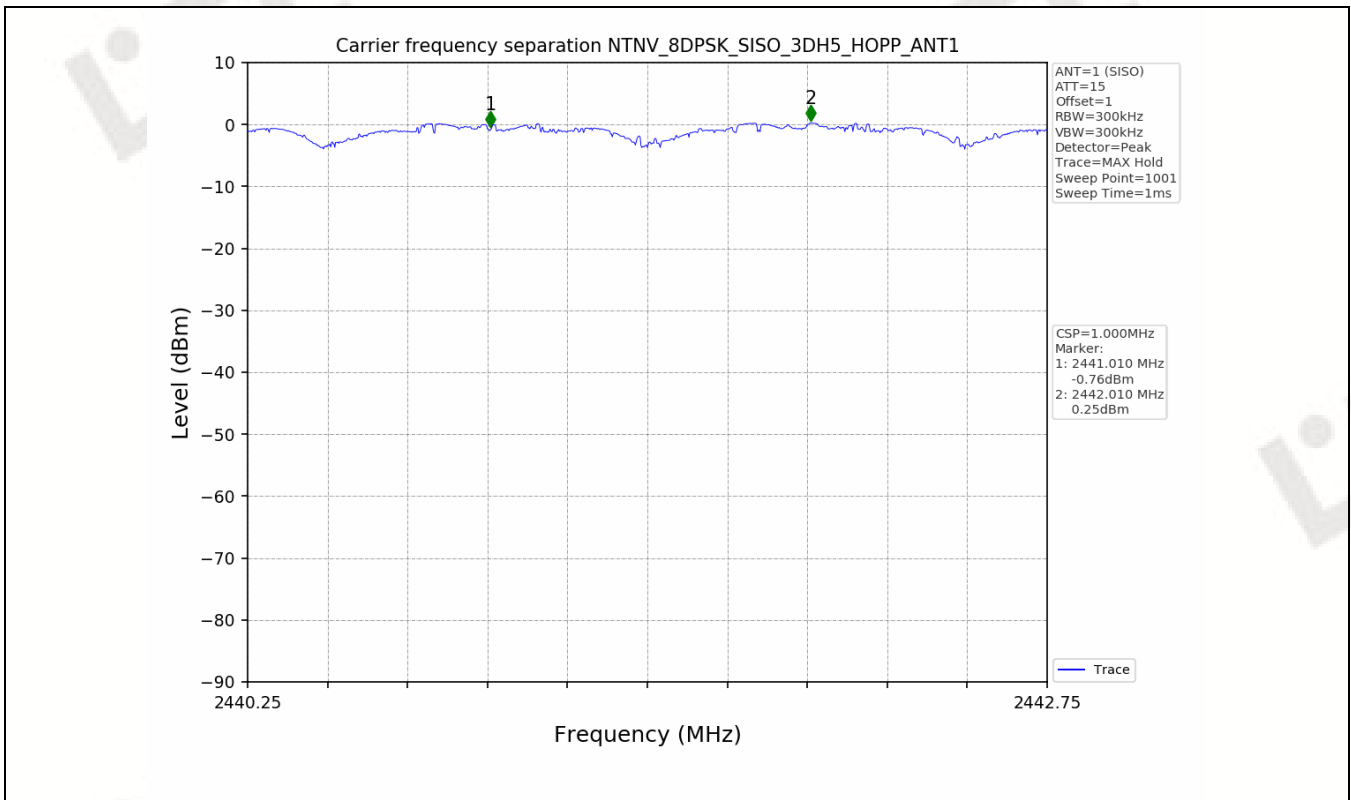
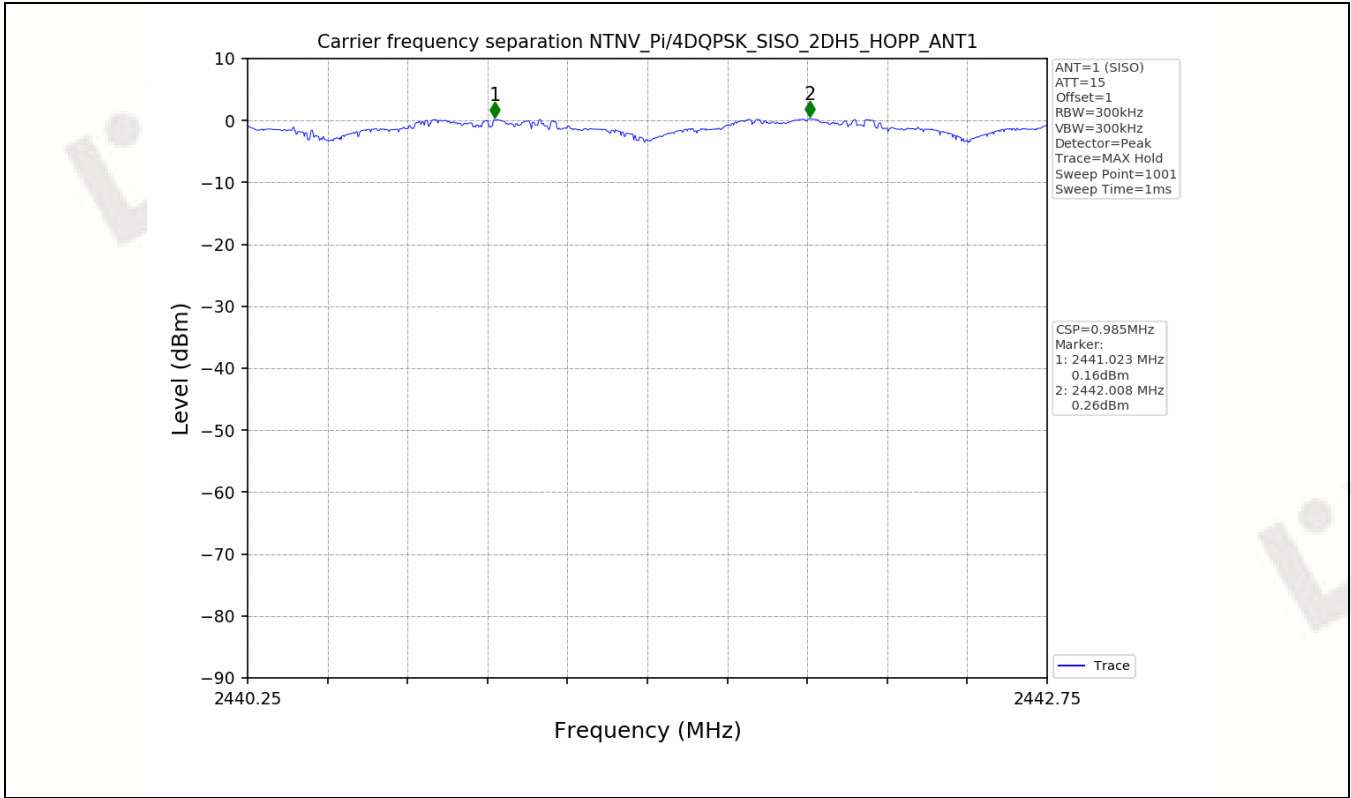
#### 3.1 Test Result

Test Mode	TX Type	ANT No.	Channel Separation (MHz)	20dB Bandwidth (MHz)	Limits (MHz)	Verdict
GFSK	SISO	1	1.000	1.028	$\geq 0.685$	PASS
Pi/4DQPSK	SISO	1	0.985	1.431	$\geq 0.954$	PASS
8DPSK	SISO	1	1.000	1.408	$\geq 0.939$	PASS

#### 3.2 Test Graph





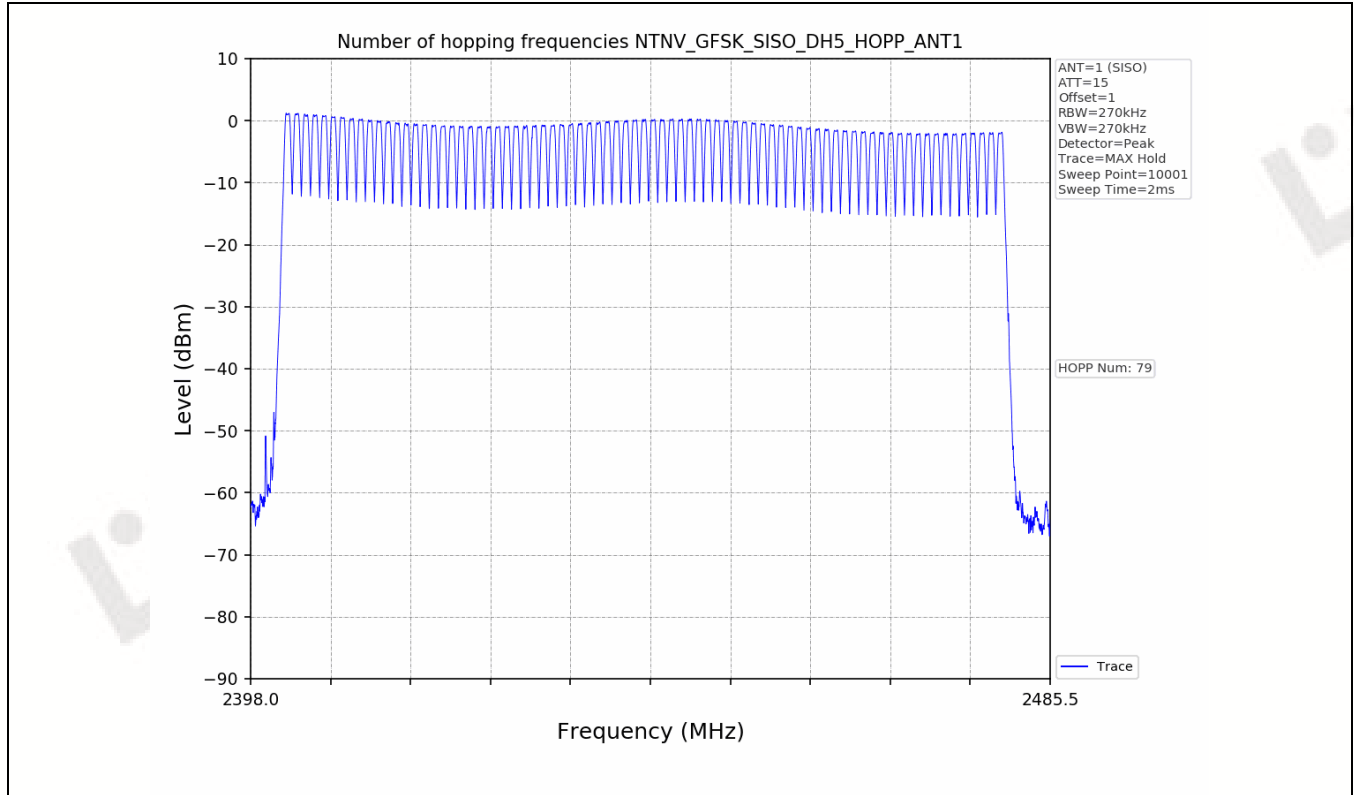


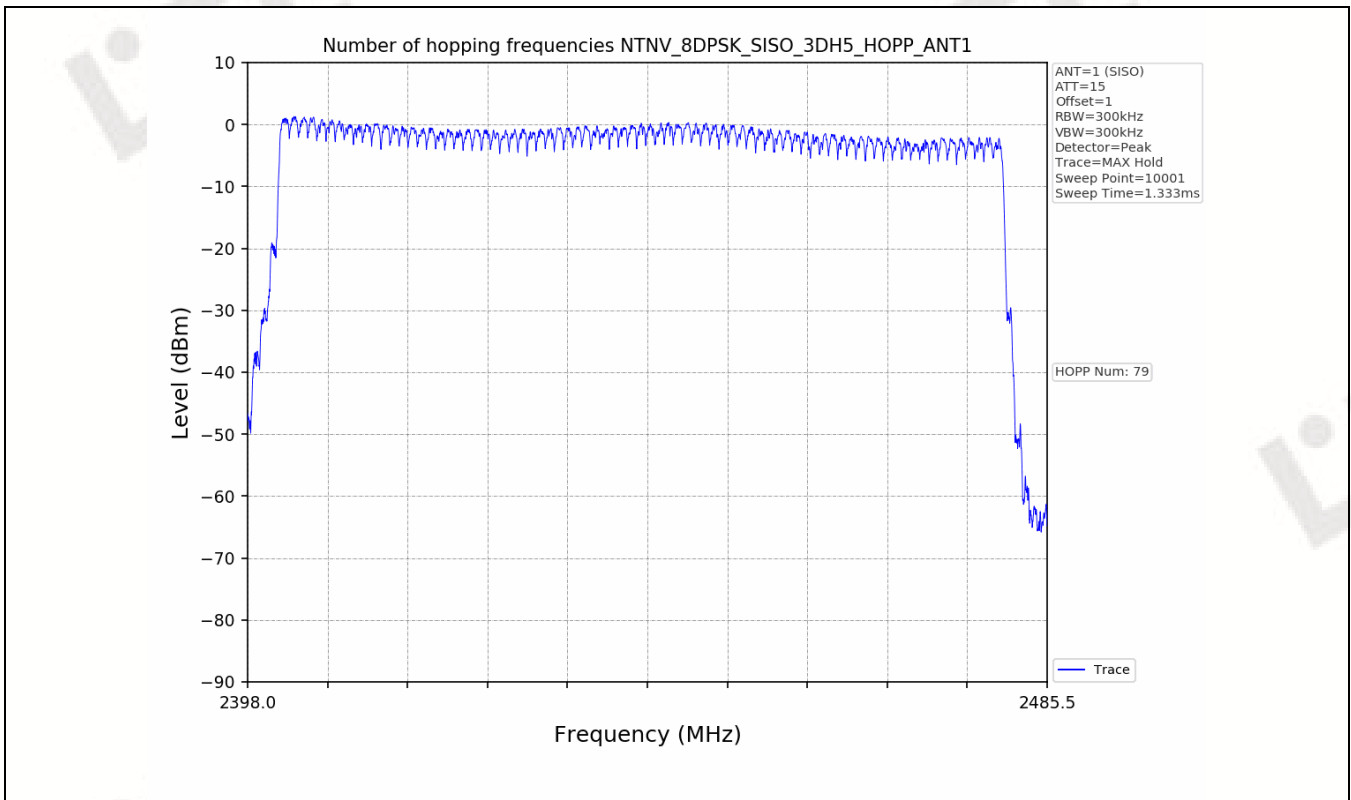
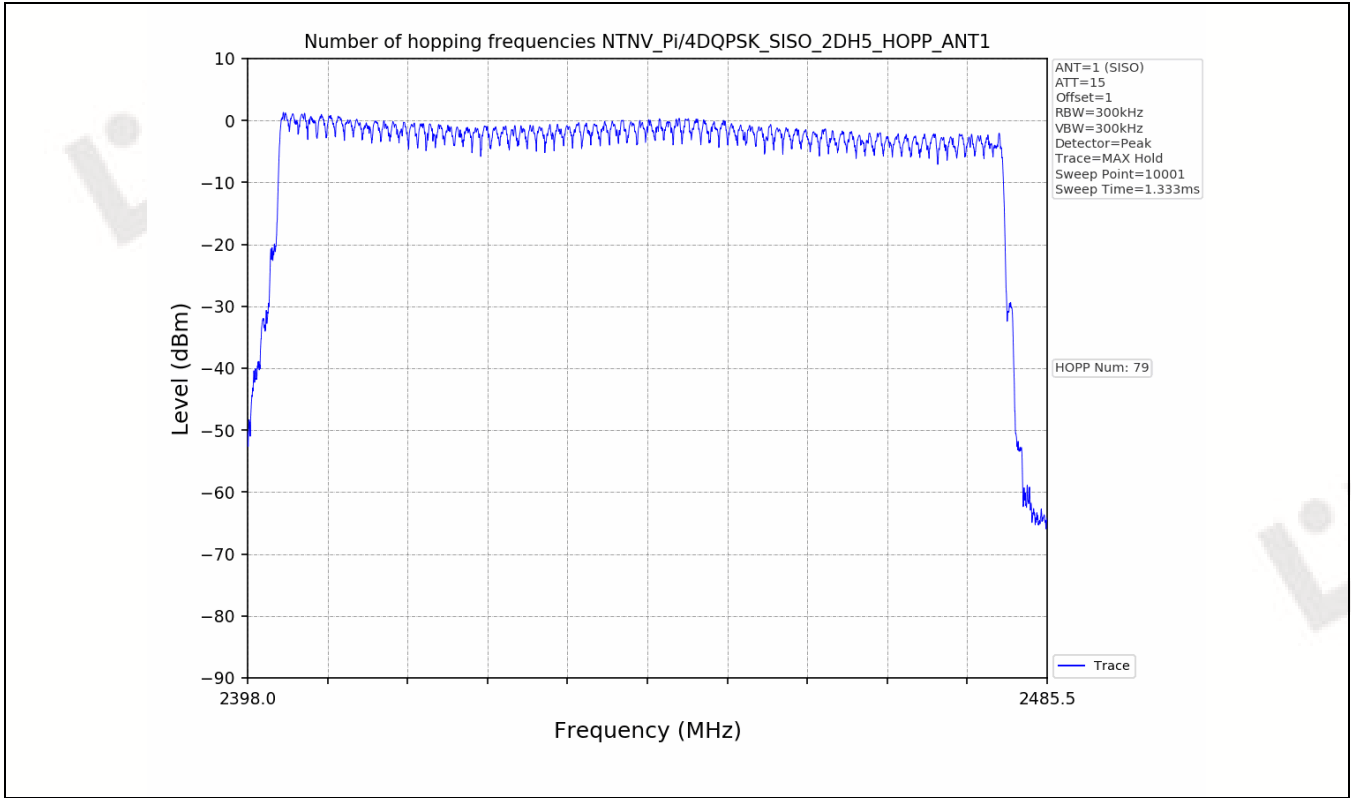
### 4. Number of hopping frequencies

#### 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



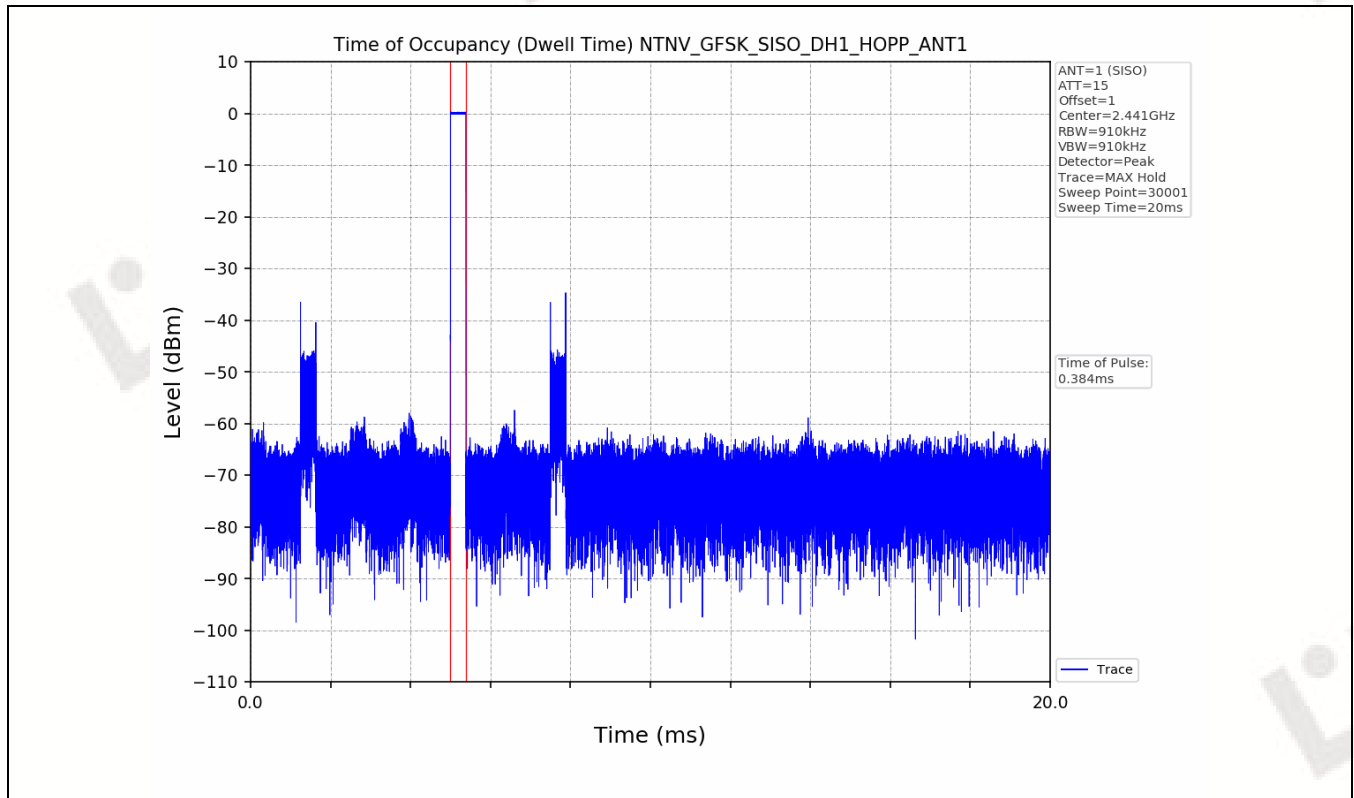


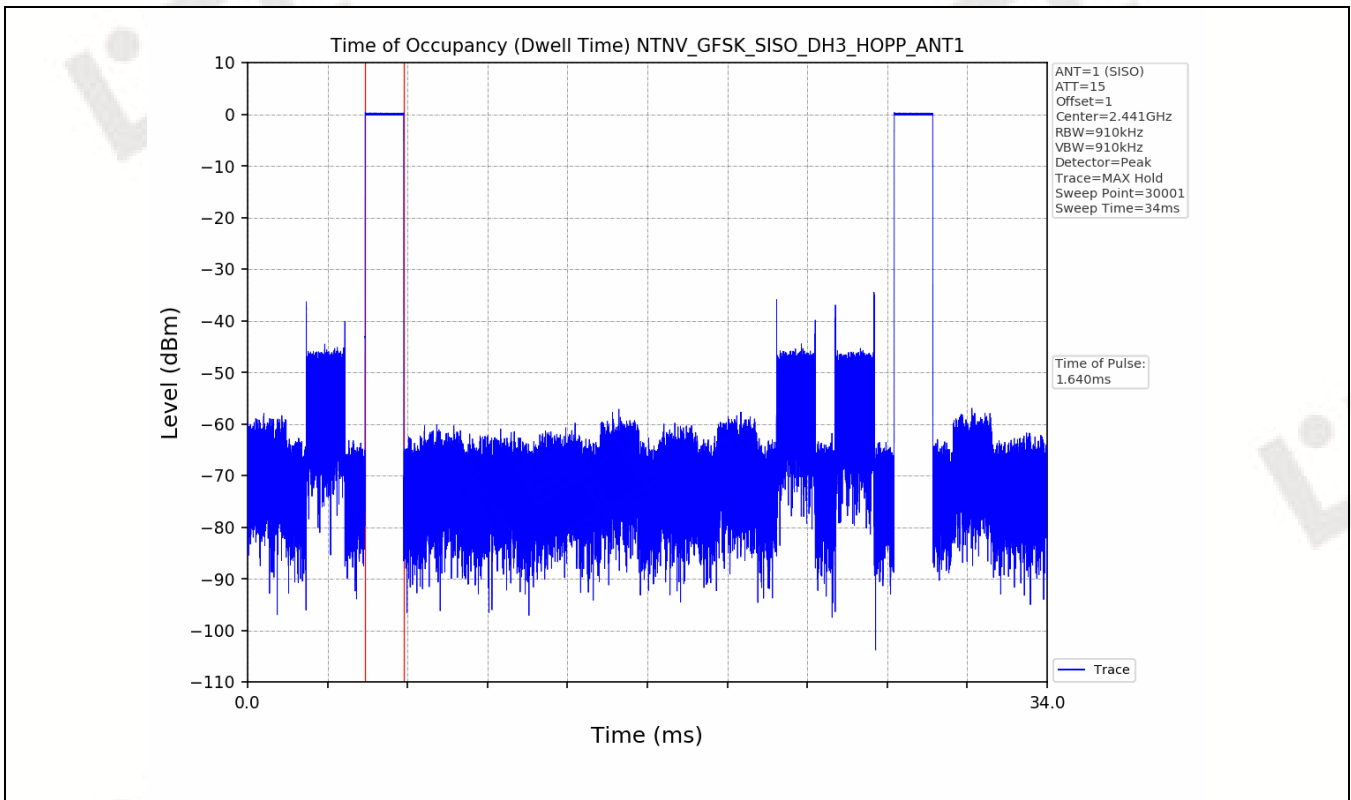
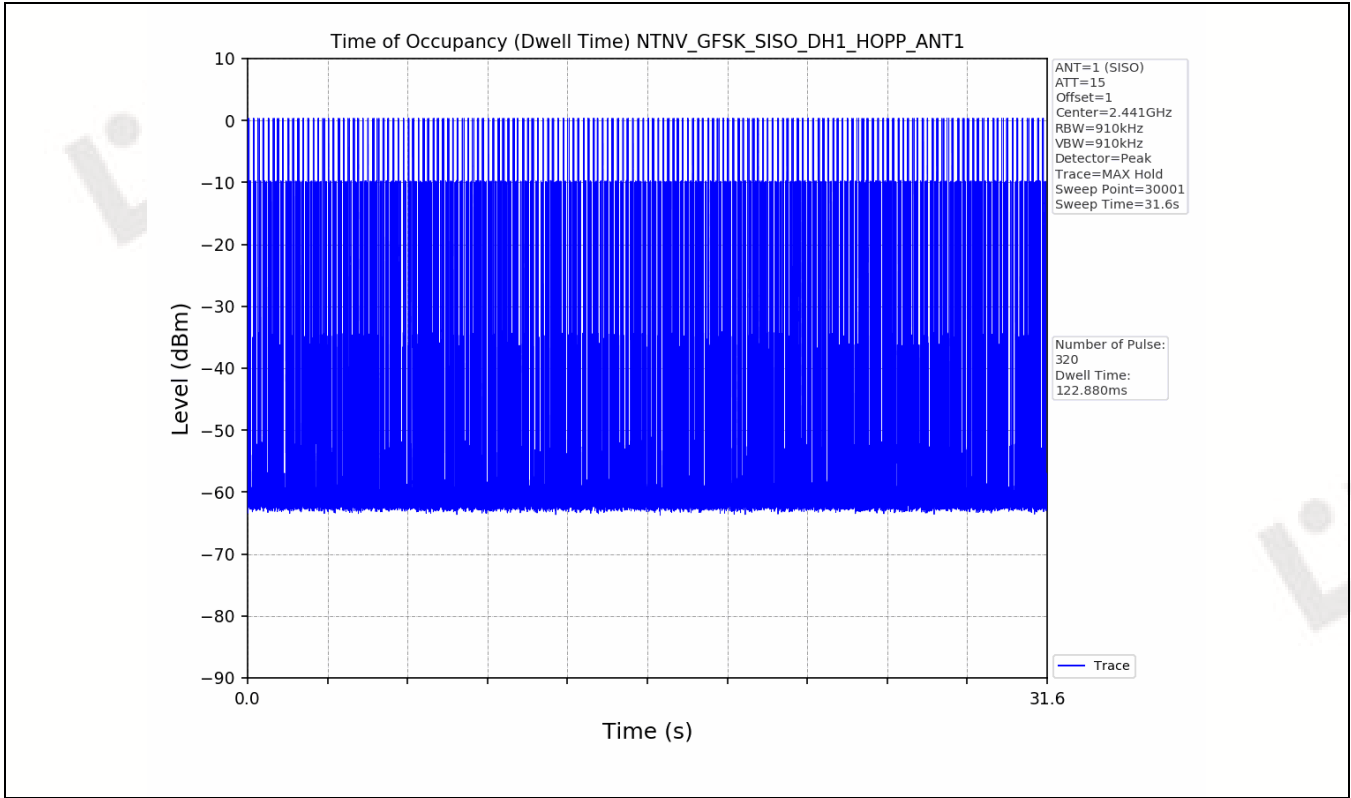
### 5. Time of Occupancy (Dwell Time)

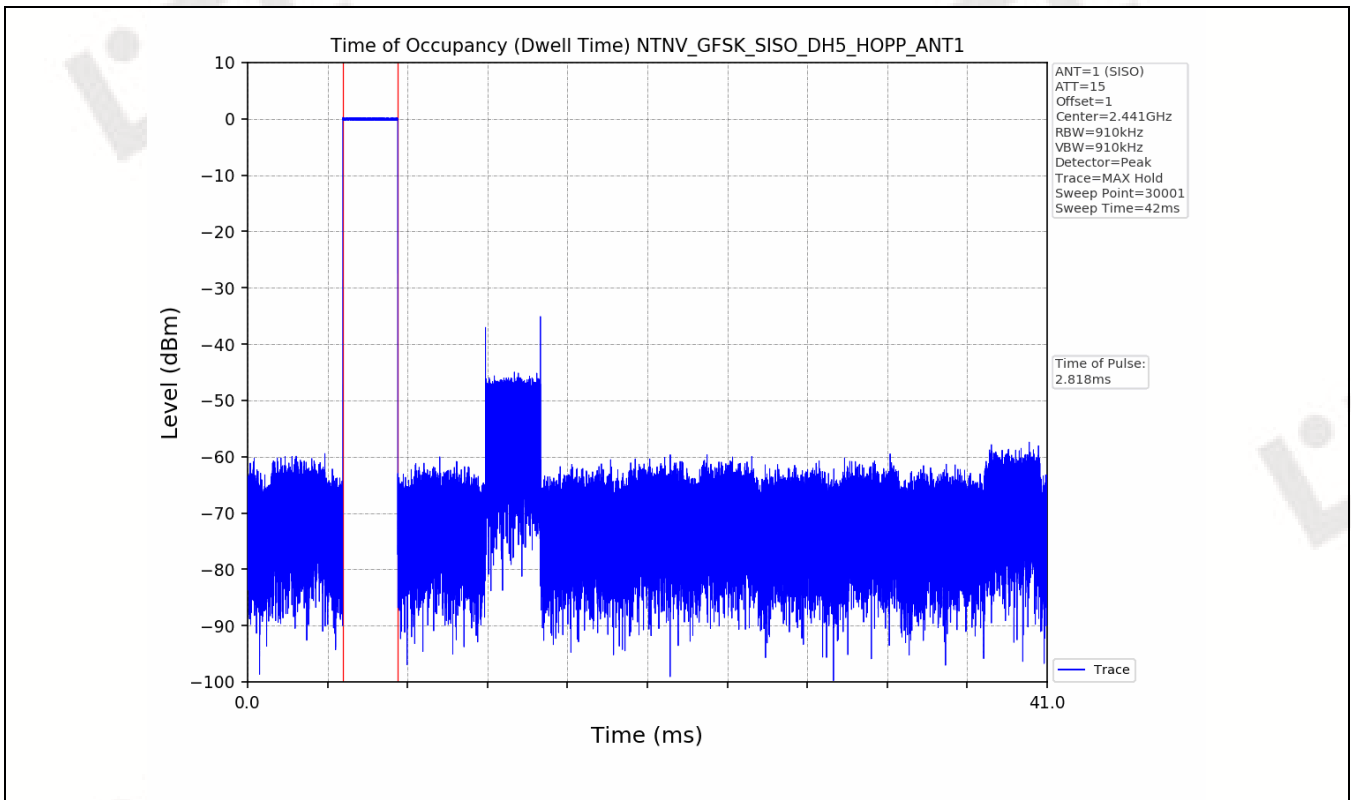
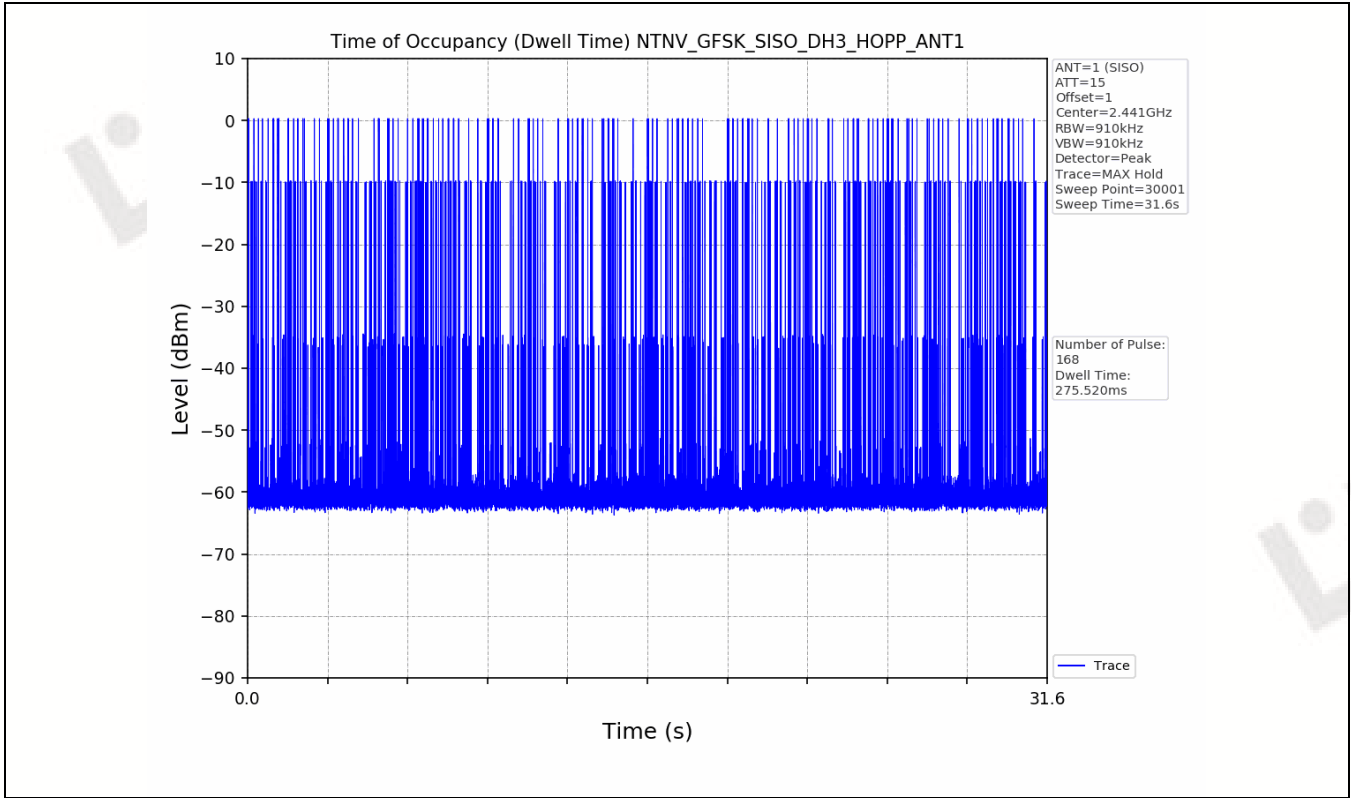
#### 5.1 Test Result

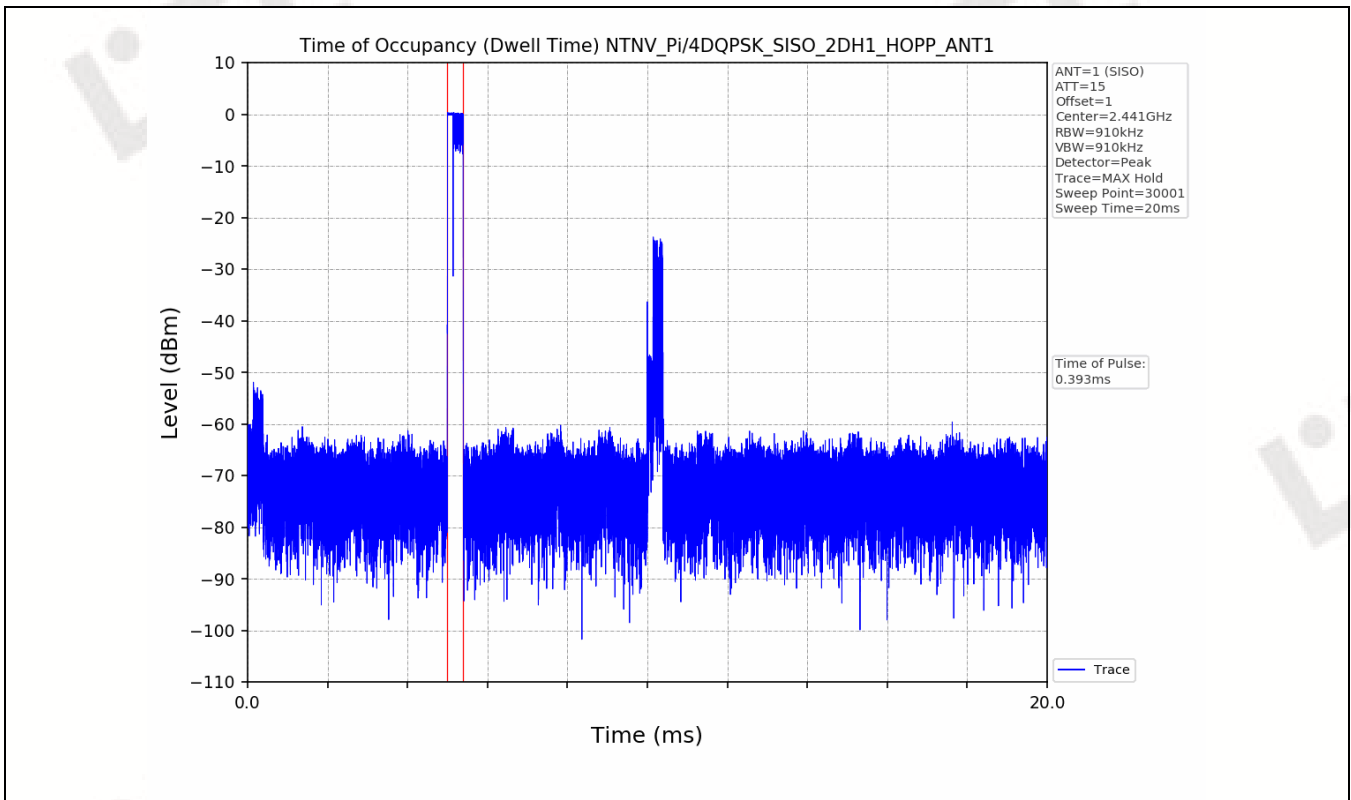
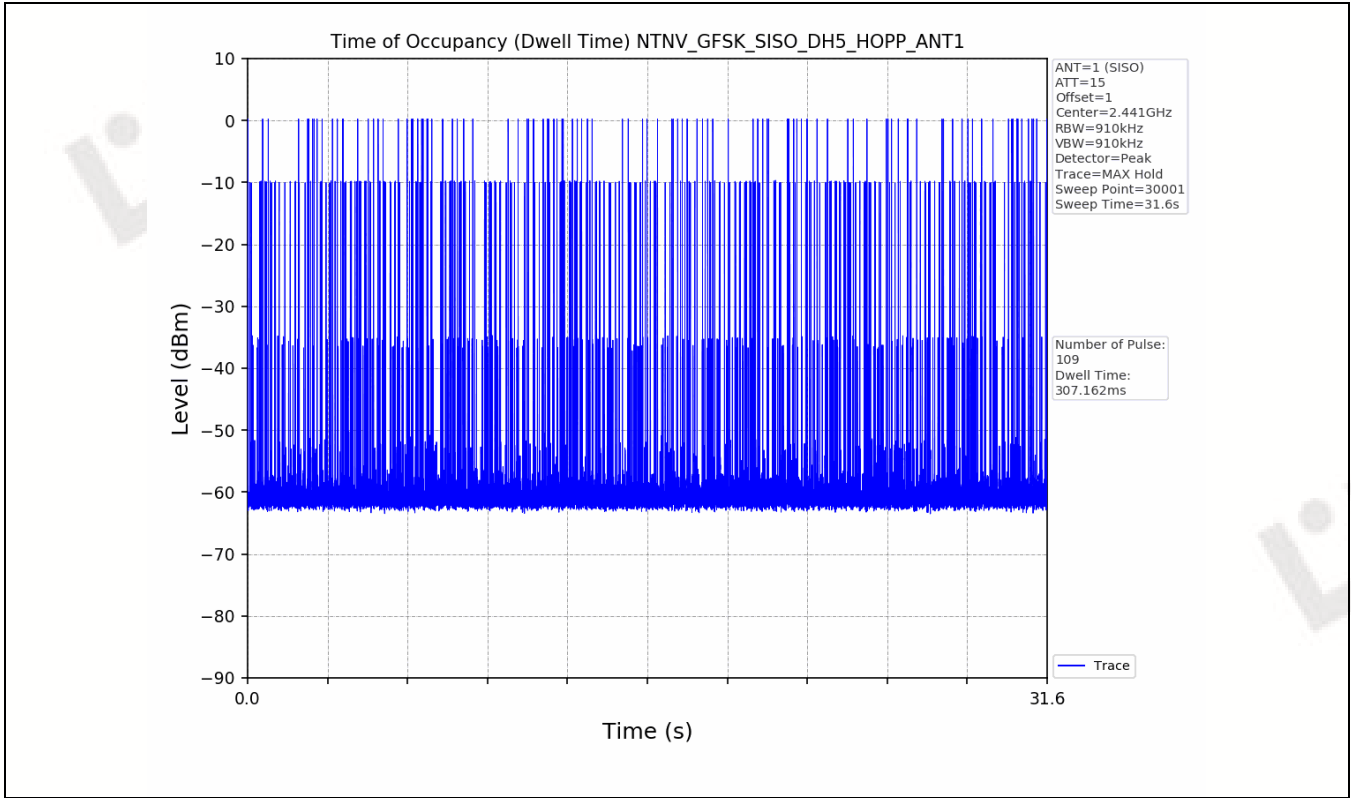
Test Mode	Packet Type	TX Type	ANT No.	Duration of Single Pulse (ms)	Obeservation Period (s)	Num of Pulse in Observation Period	Dwell Time (ms)	Limits (ms)	Verdict
GFSK	DH1	SISO	1	0.384	31.6	320	122.880	≤400	PASS
	DH3	SISO	1	1.640	31.6	168	275.520	≤400	PASS
	DH5	SISO	1	2.818	31.6	109	307.162	≤400	PASS
Pi/4DQ PSK	2DH1	SISO	1	0.393	31.6	320	125.760	≤400	PASS
	2DH3	SISO	1	1.598	31.6	157	250.886	≤400	PASS
	2DH5	SISO	1	2.893	31.6	104	300.872	≤400	PASS
8DPSK	3DH1	SISO	1	0.394	31.6	320	126.080	≤400	PASS
	3DH3	SISO	1	1.643	31.6	159	261.237	≤400	PASS
	3DH5	SISO	1	2.895	31.6	112	324.240	≤400	PASS

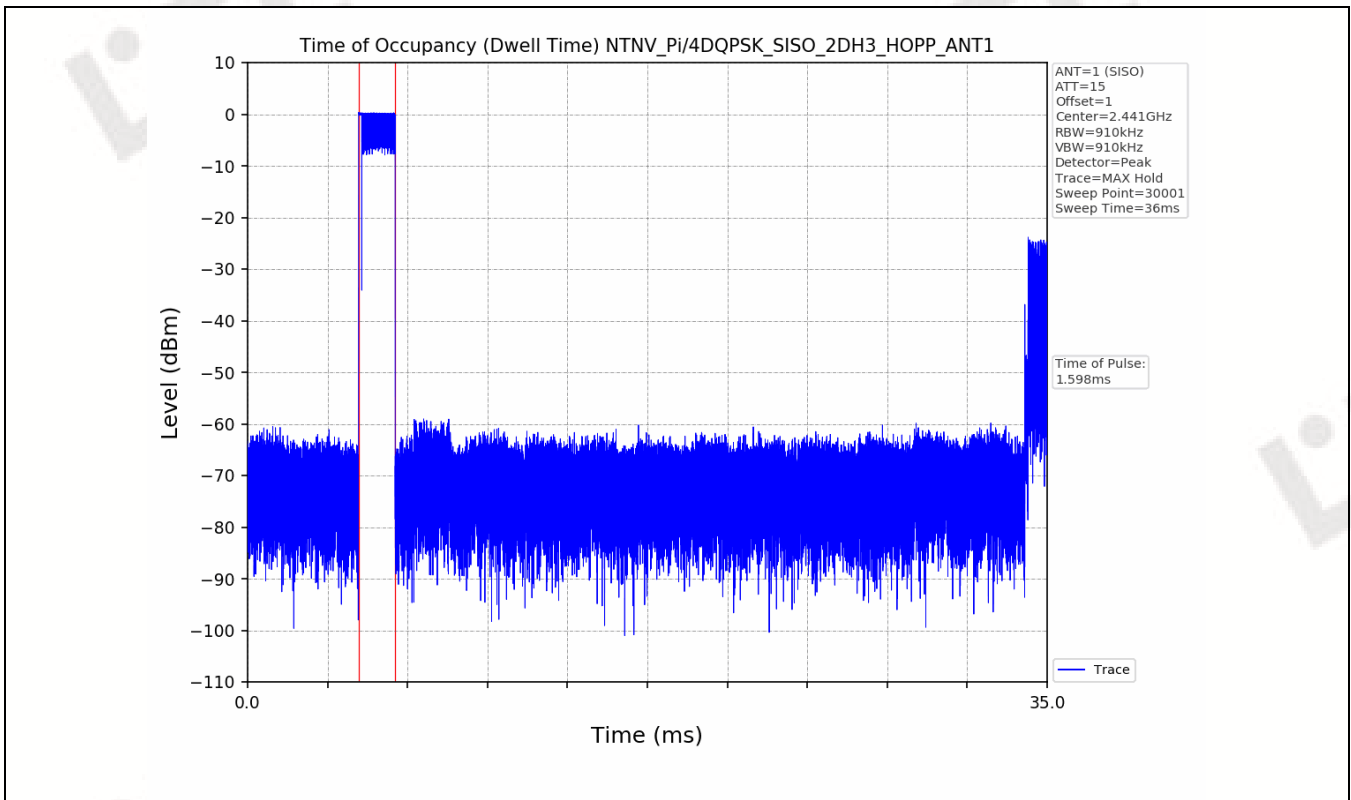
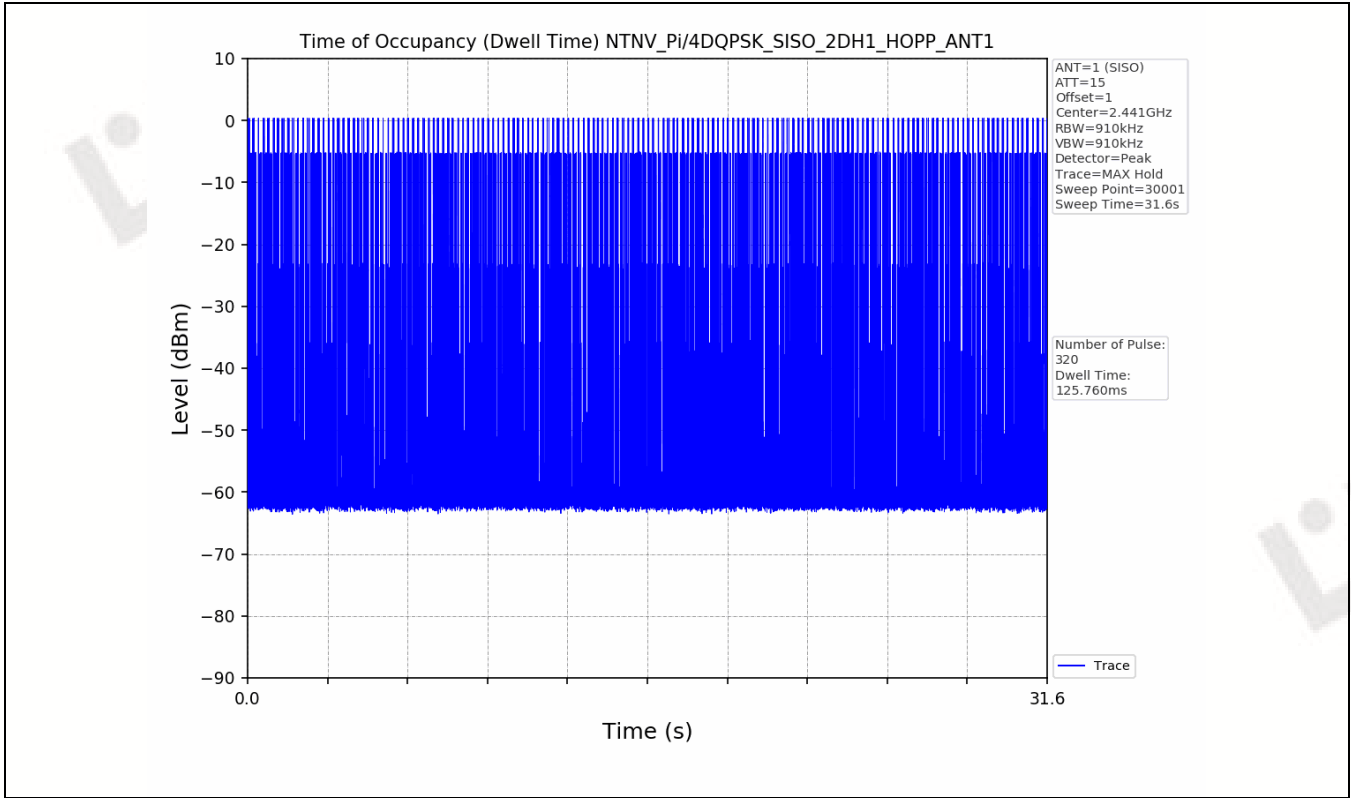
#### 5.2 Test Graph



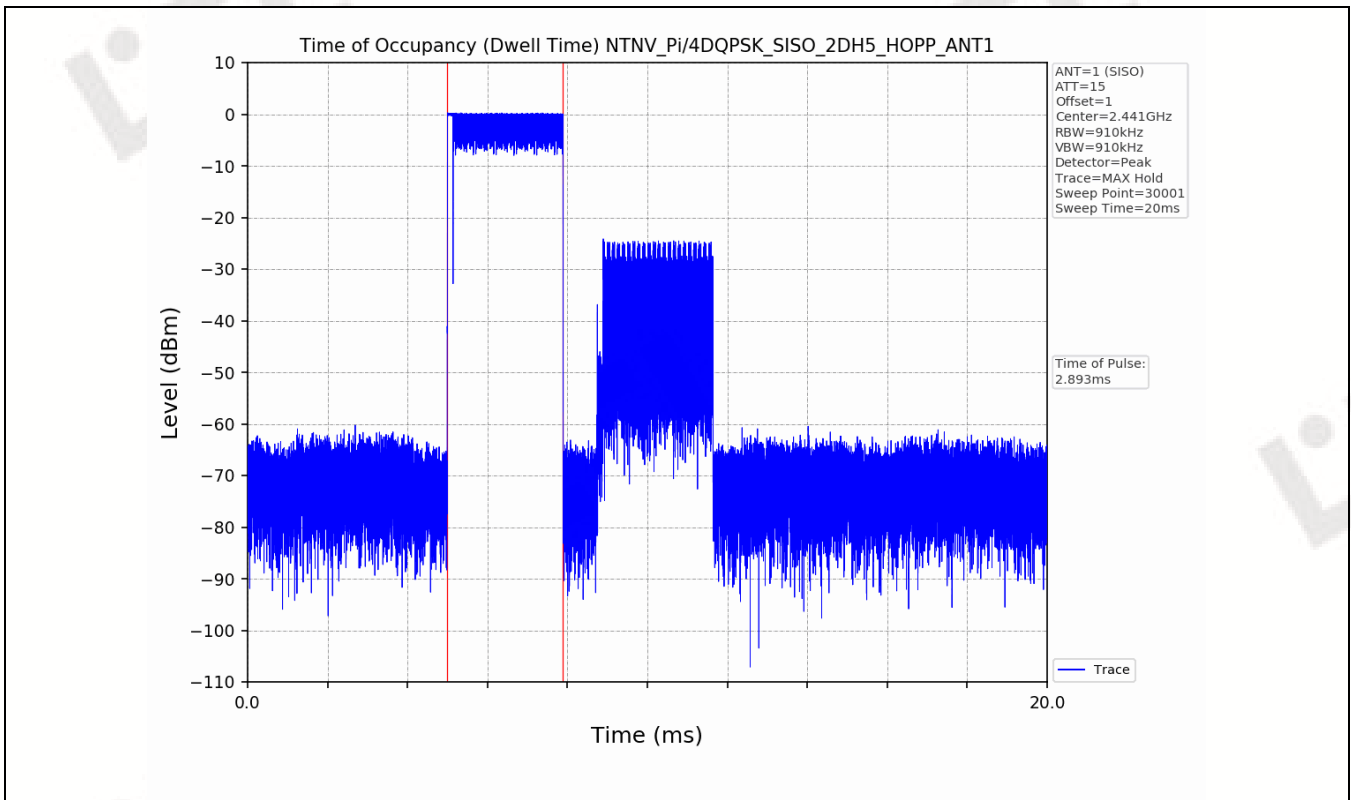
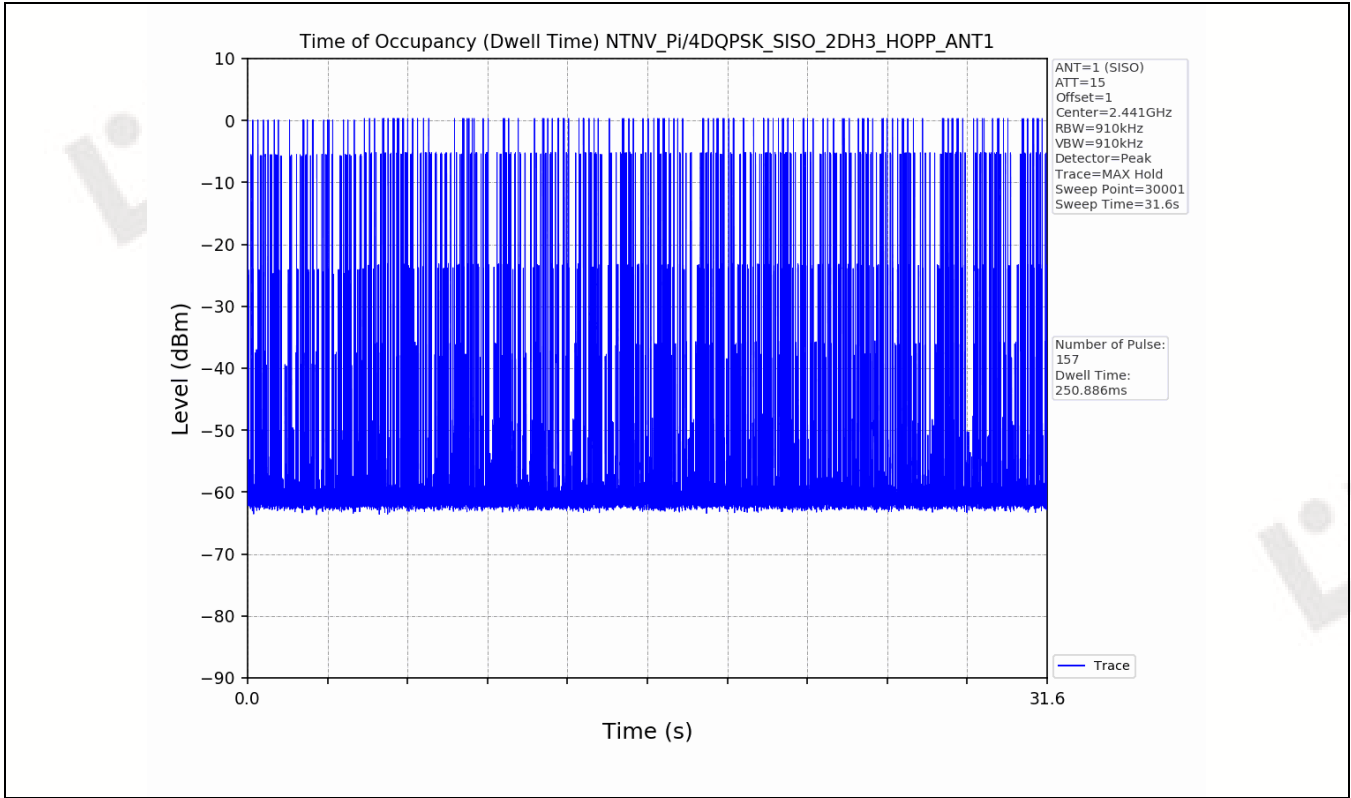


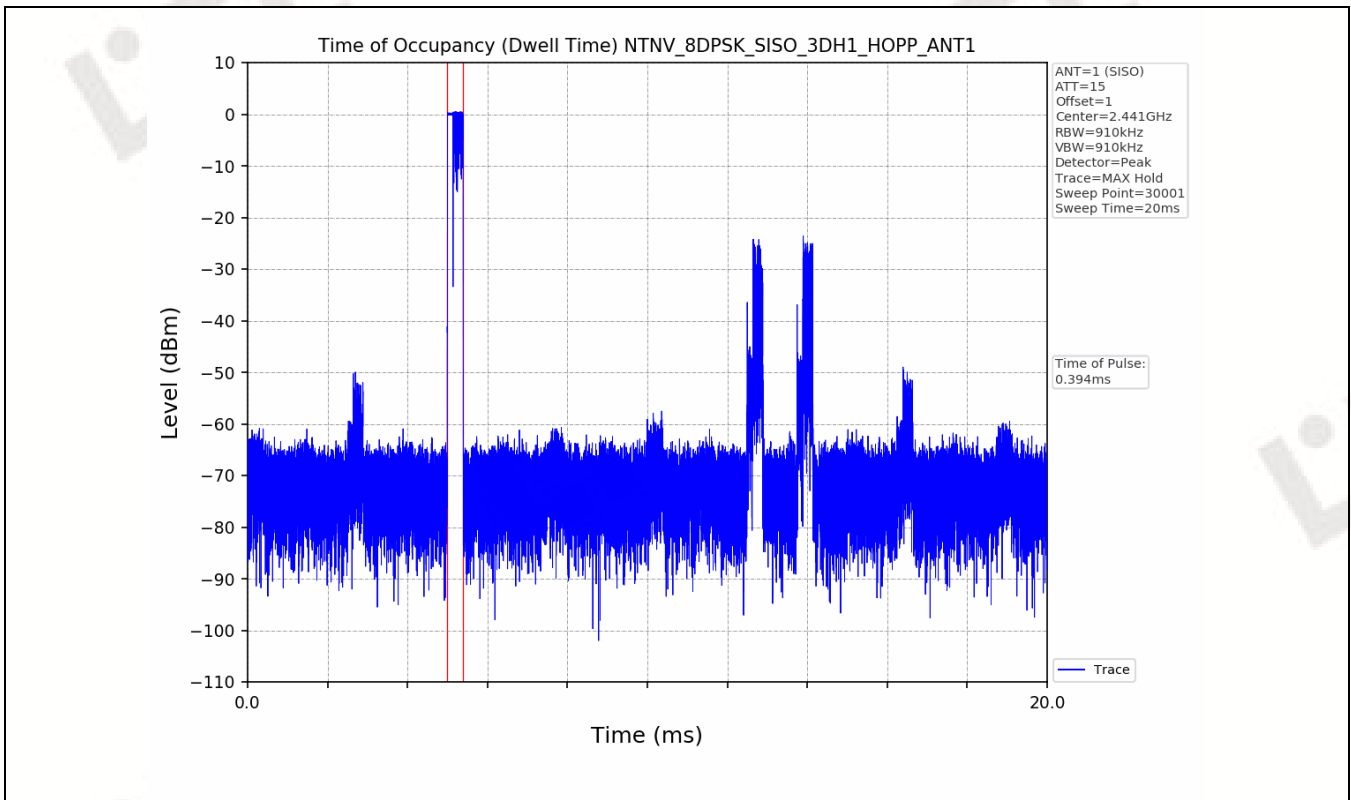
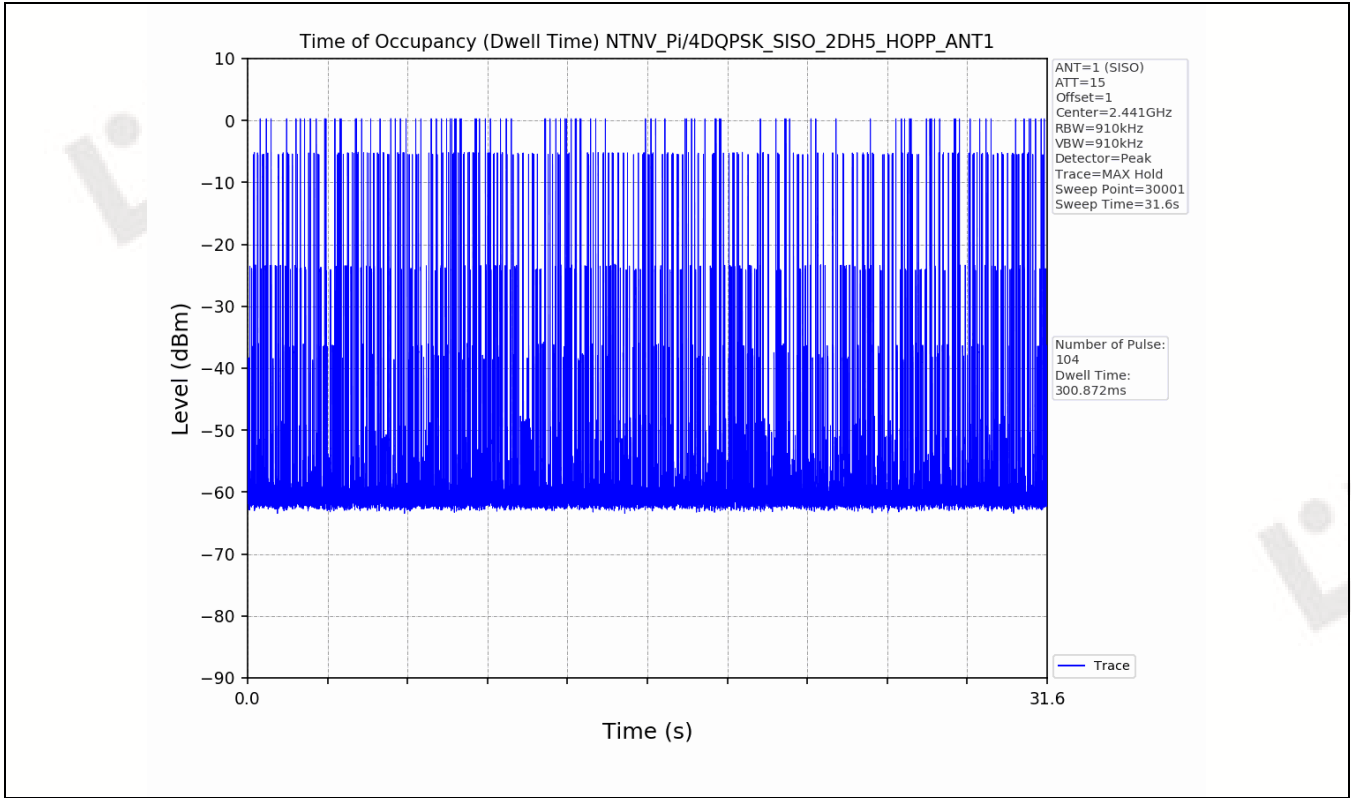


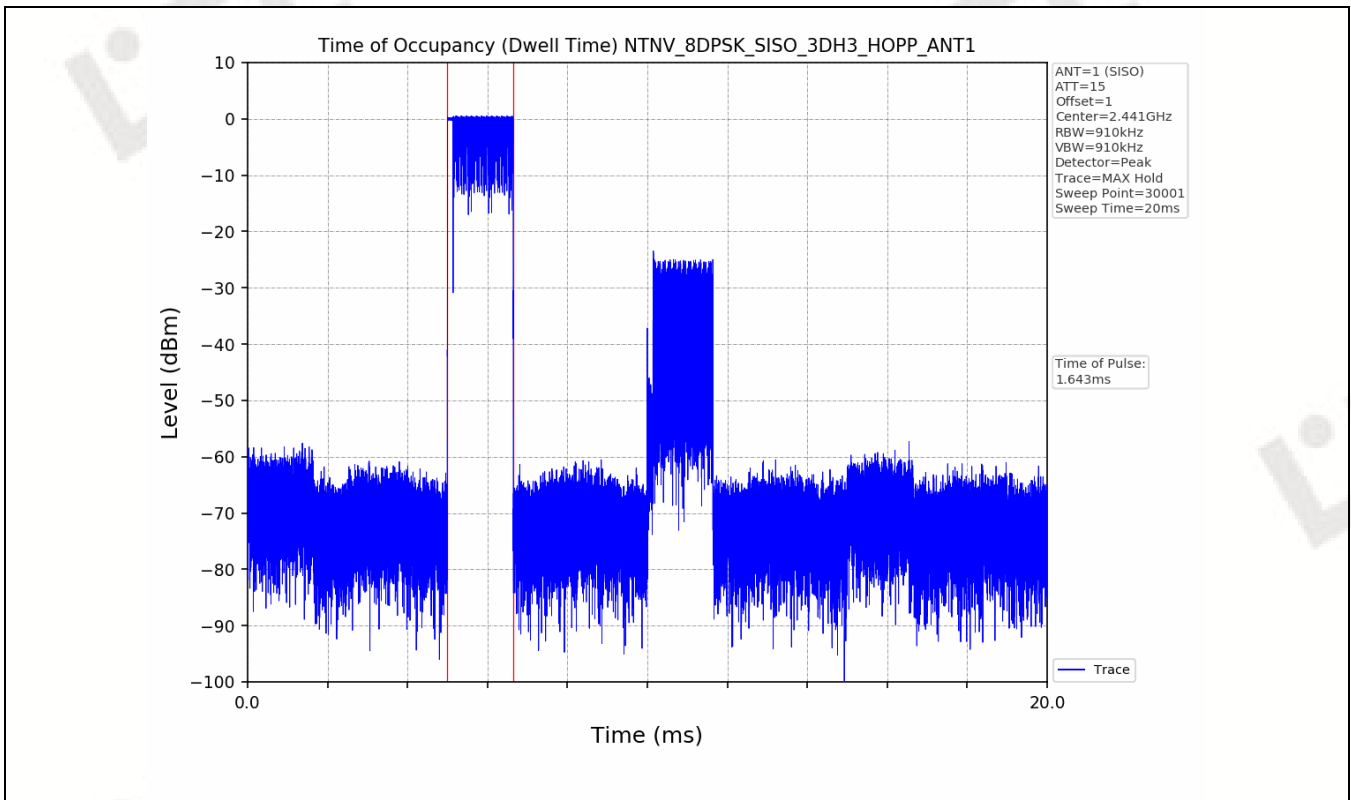
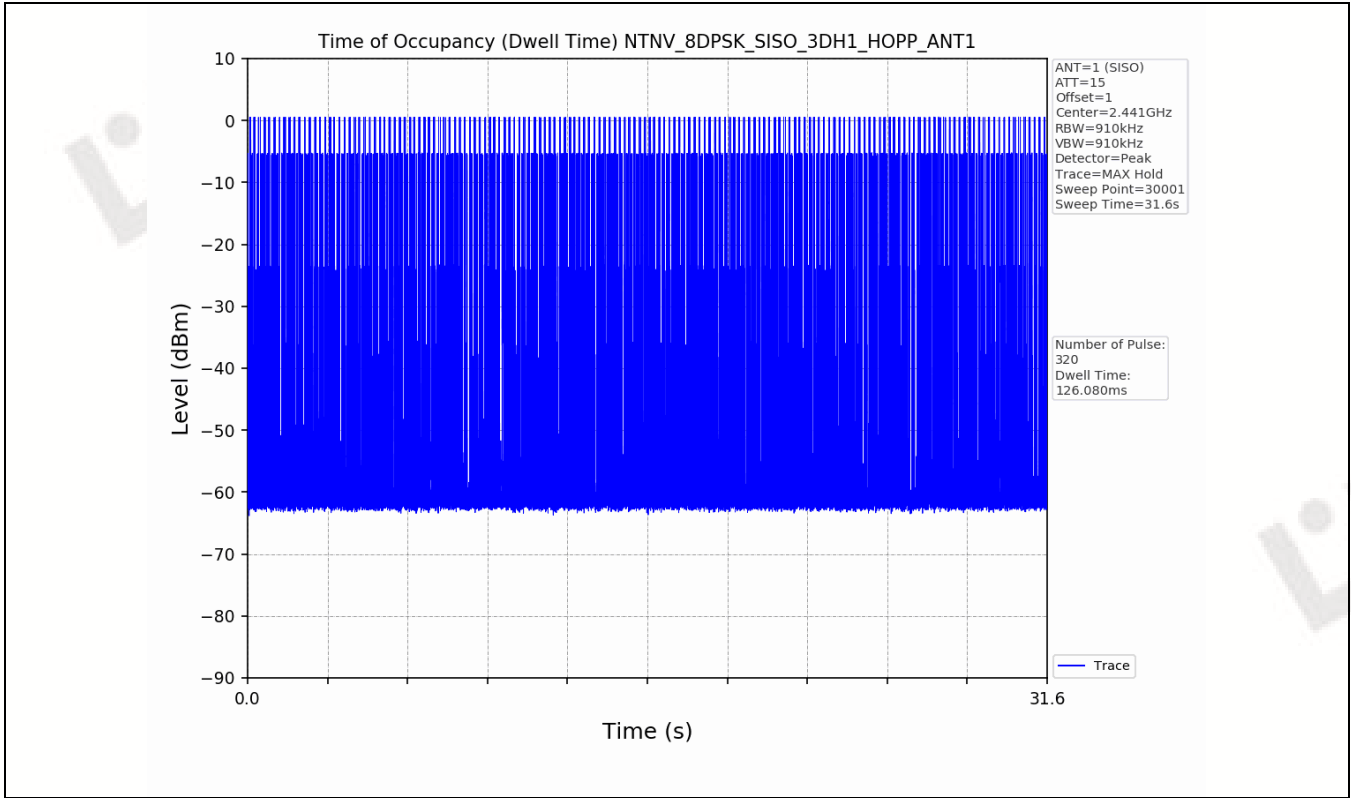


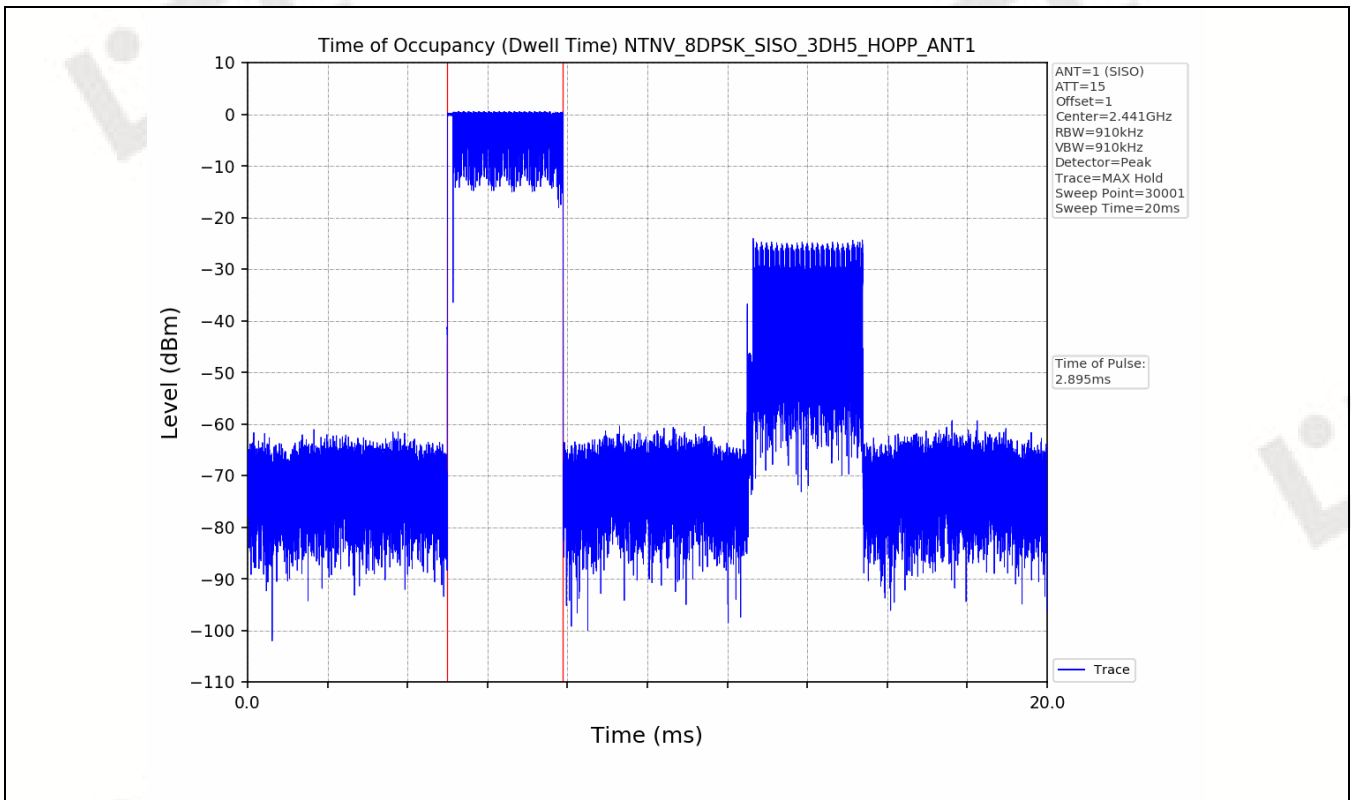
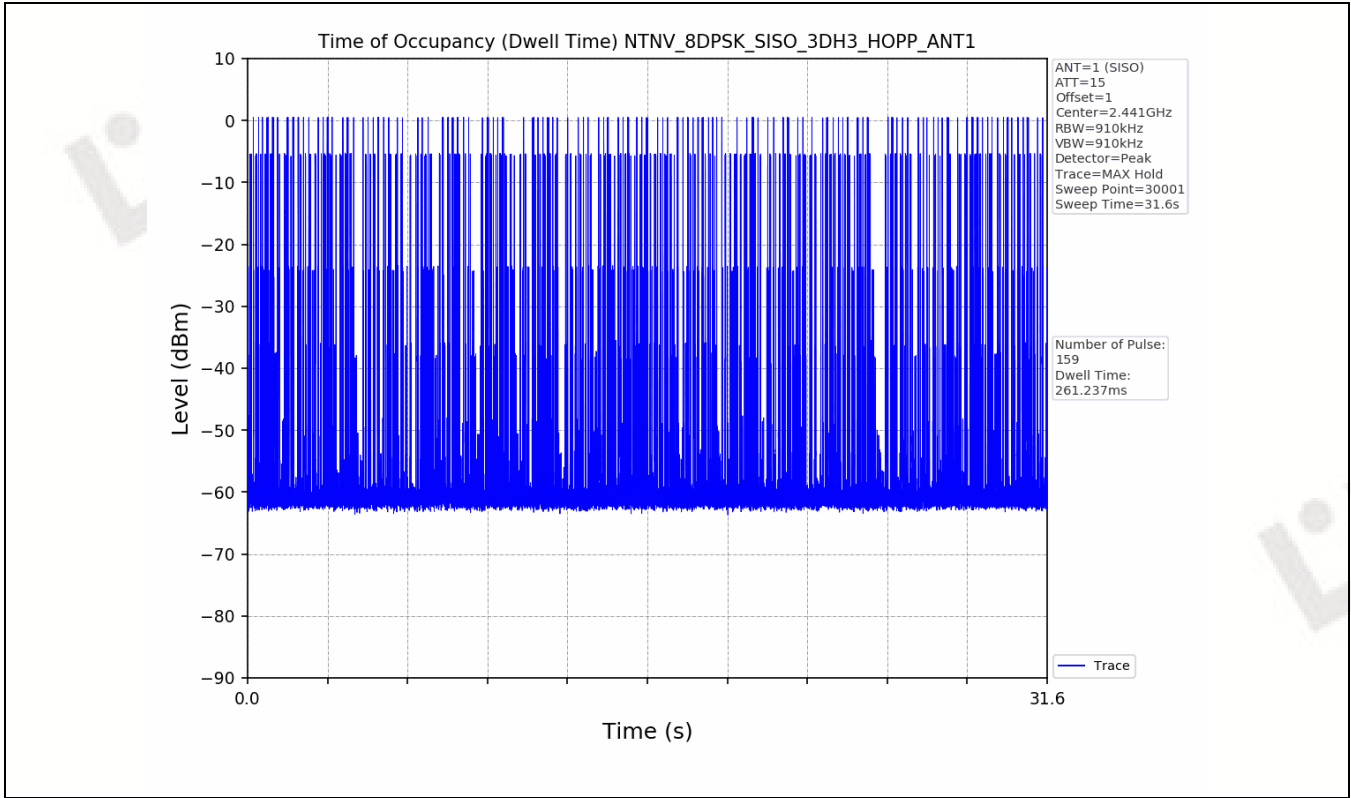


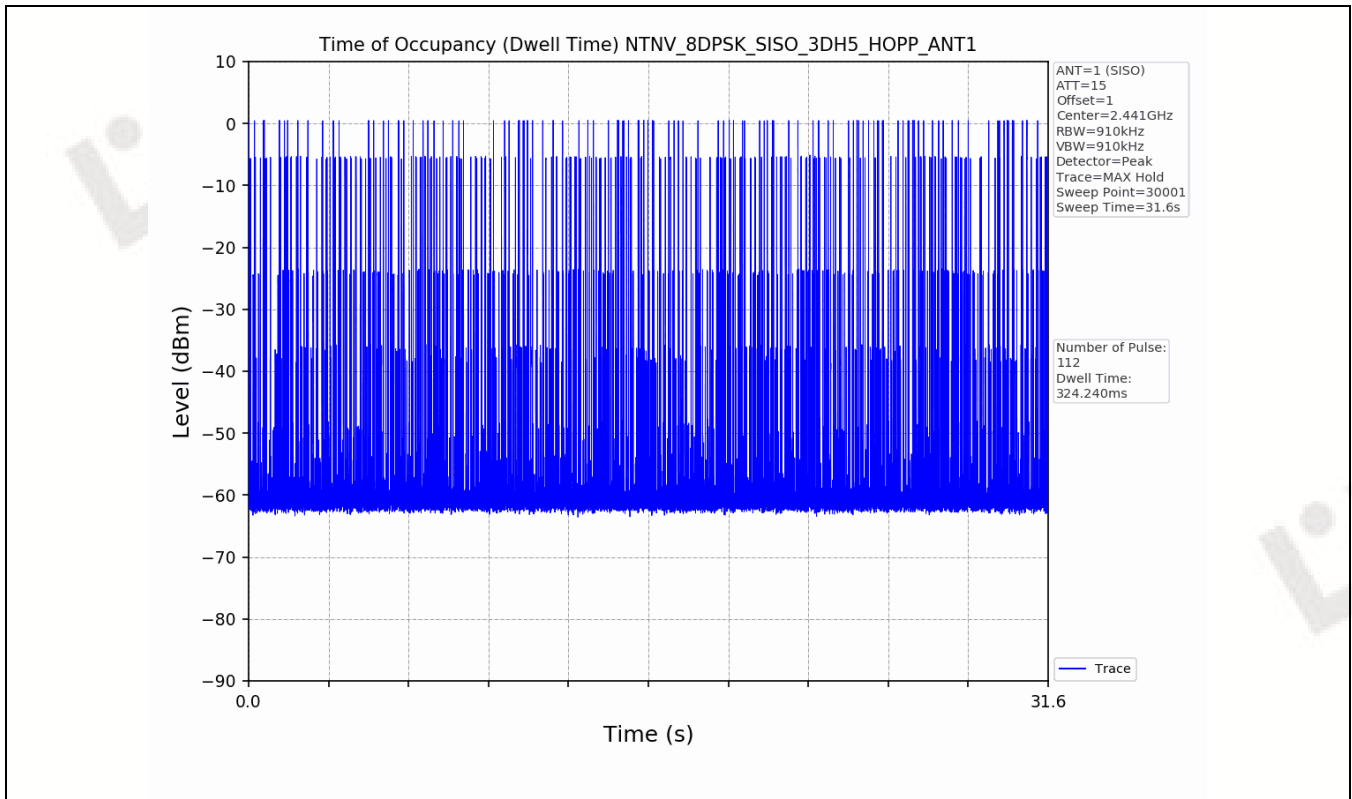












### 6. Unwanted Emissions in Non-restricted Frequency Bands

#### 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	-19.48	PASS
	2441	SISO	1	Refer to test graph	-19.48	PASS
	2480	SISO	1	Refer to test graph	-19.48	PASS
	Hopping	SISO	1	Refer to test graph	-19.48	PASS
Pi/4DQPSK	2402	SISO	1	Refer to test graph	-20.81	PASS
	2441	SISO	1	Refer to test graph	-20.81	PASS
	2480	SISO	1	Refer to test graph	-20.81	PASS
	Hopping	SISO	1	Refer to test graph	-20.81	PASS
8DPSK	2402	SISO	1	Refer to test graph	-20.77	PASS
	2441	SISO	1	Refer to test graph	-20.77	PASS
	2480	SISO	1	Refer to test graph	-20.77	PASS
	Hopping	SISO	1	Refer to test graph	-20.77	PASS

#### 6.2 Test Graph

