

## Appendix for 15.247

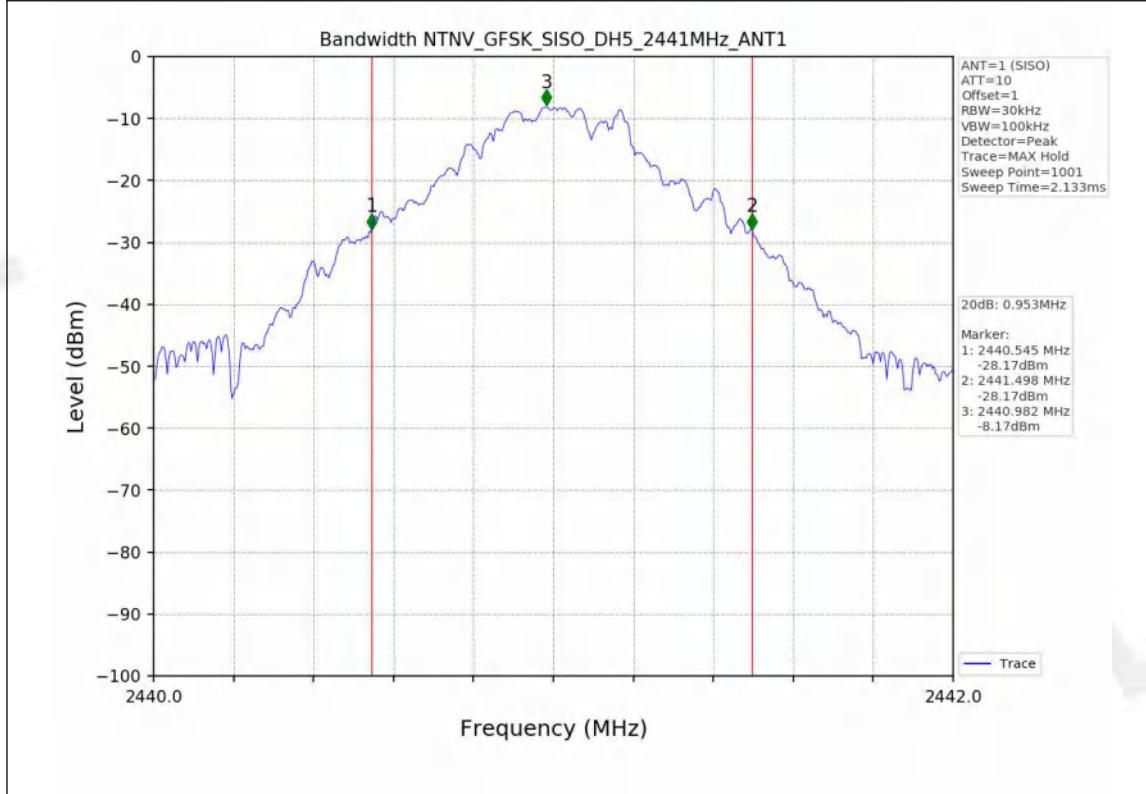
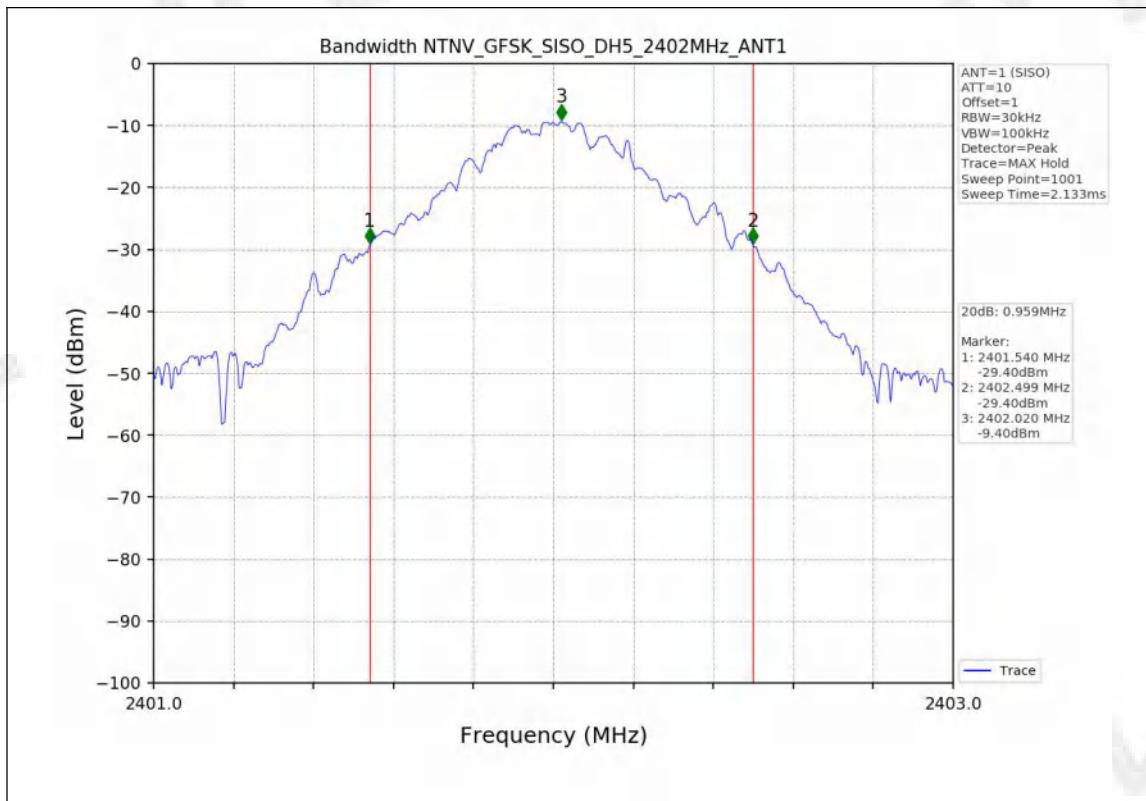
### 1. Bandwidth

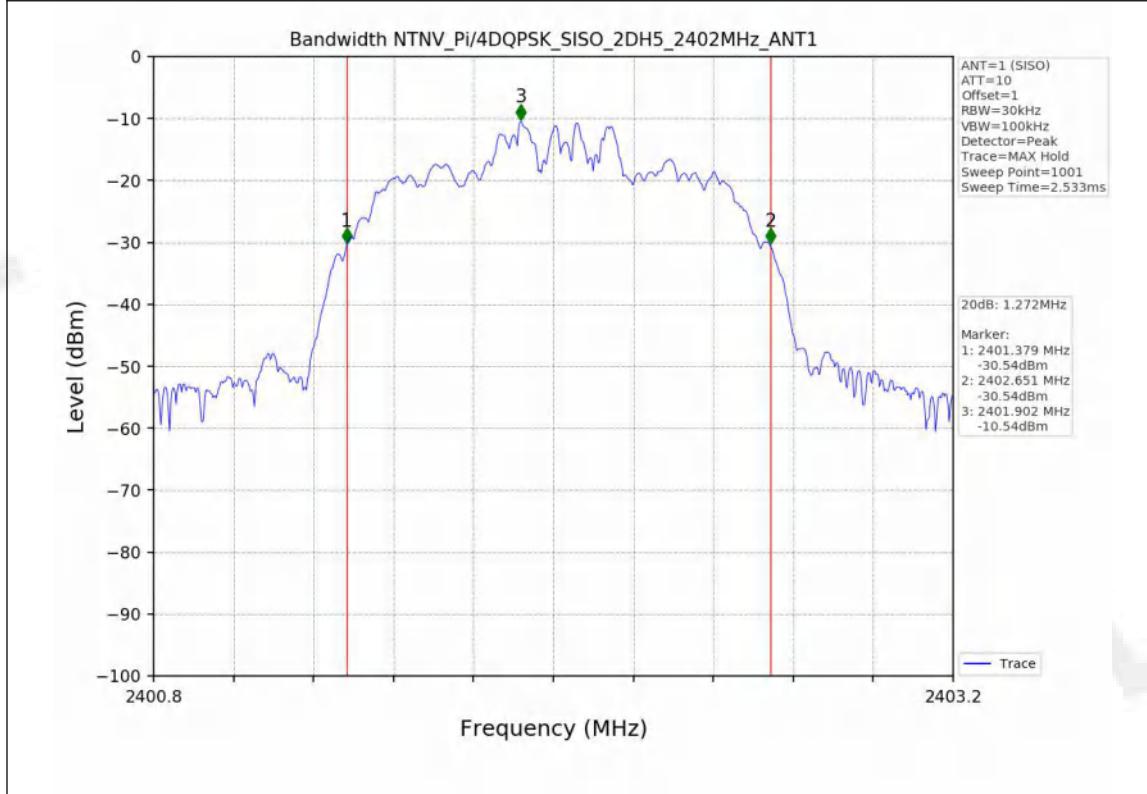
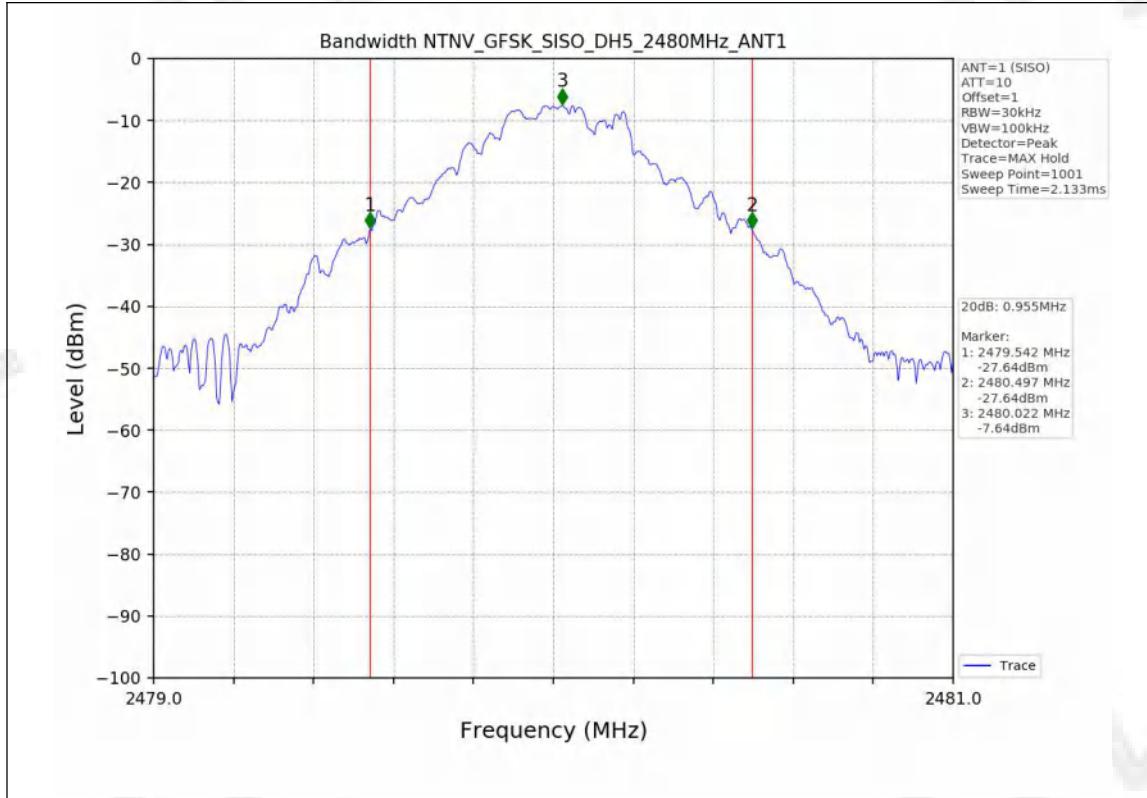
#### 1.1 Test Result

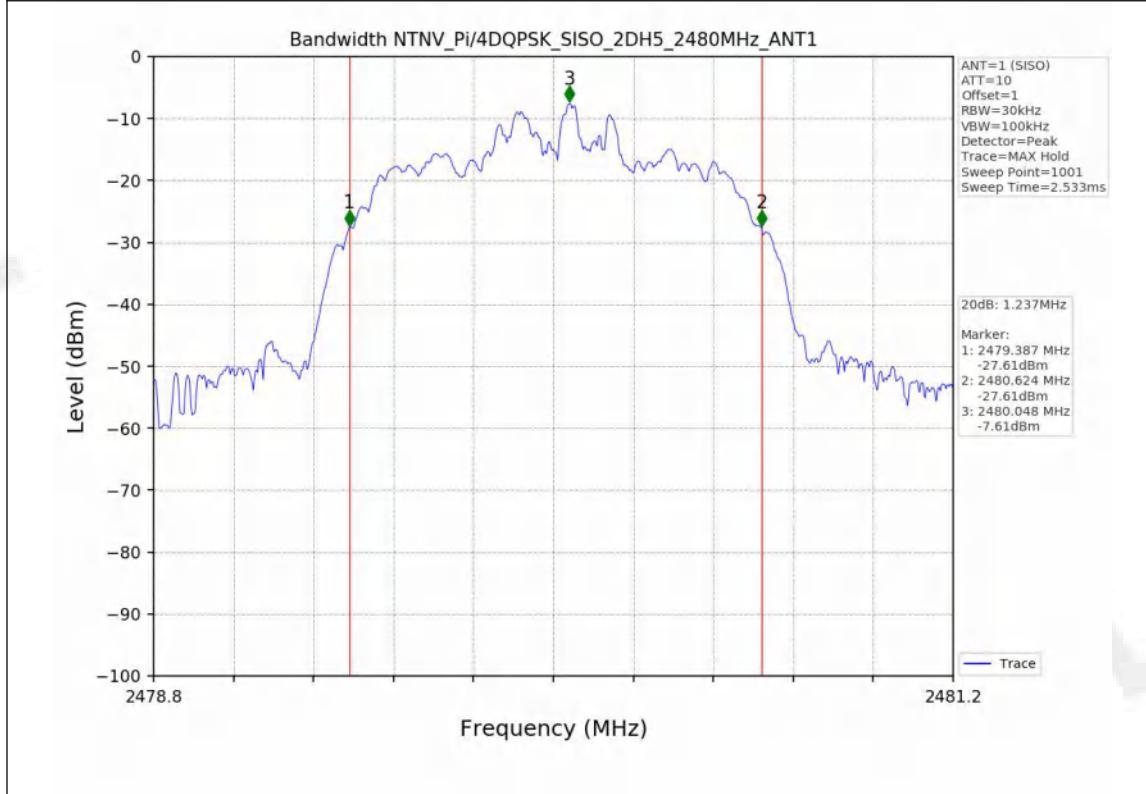
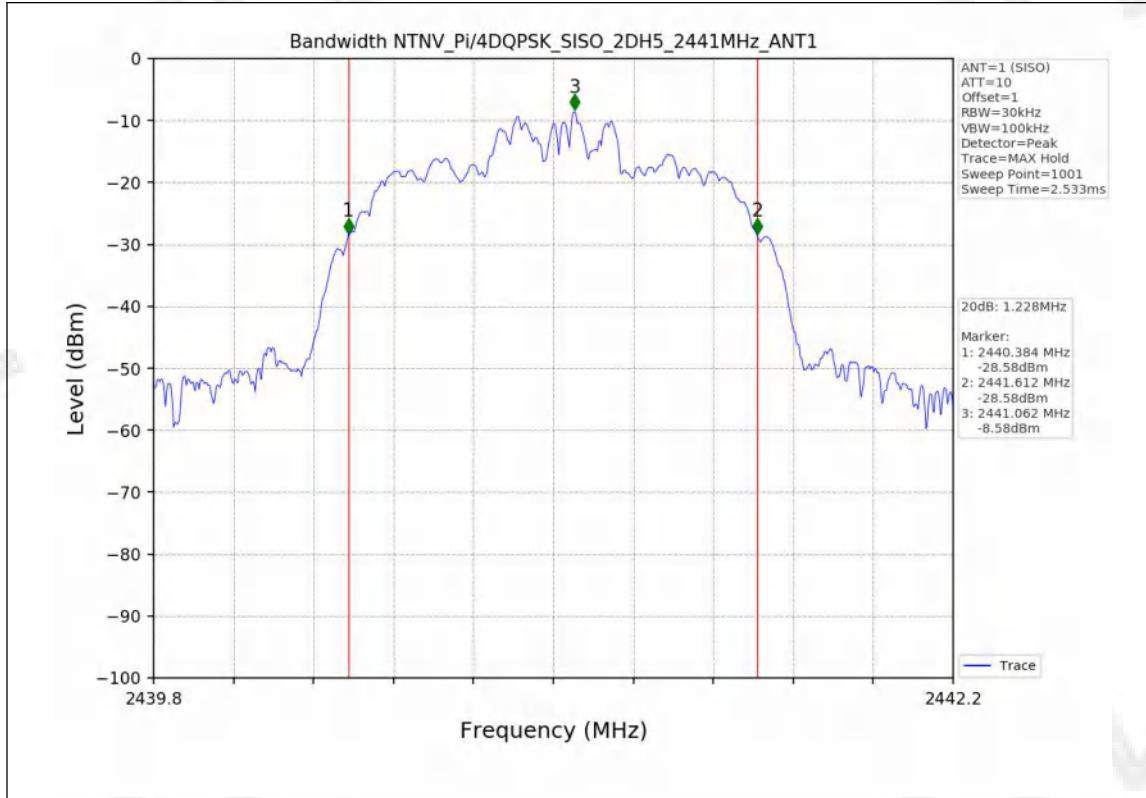
Test Mode	Frequency (MHz)	TX Type	ANT No.	20dB Bandwidth	Verdict
				Test Result (MHz)	
GFSK	2402	SISO	1	0.959	PASS
	2441	SISO	1	0.953	PASS
	2480	SISO	1	0.955	PASS
Pi/4DQPSK	2402	SISO	1	1.272	PASS
	2441	SISO	1	1.228	PASS
	2480	SISO	1	1.237	PASS
8DPSK	2402	SISO	1	1.257	PASS
	2441	SISO	1	1.249	PASS
	2480	SISO	1	1.250	PASS

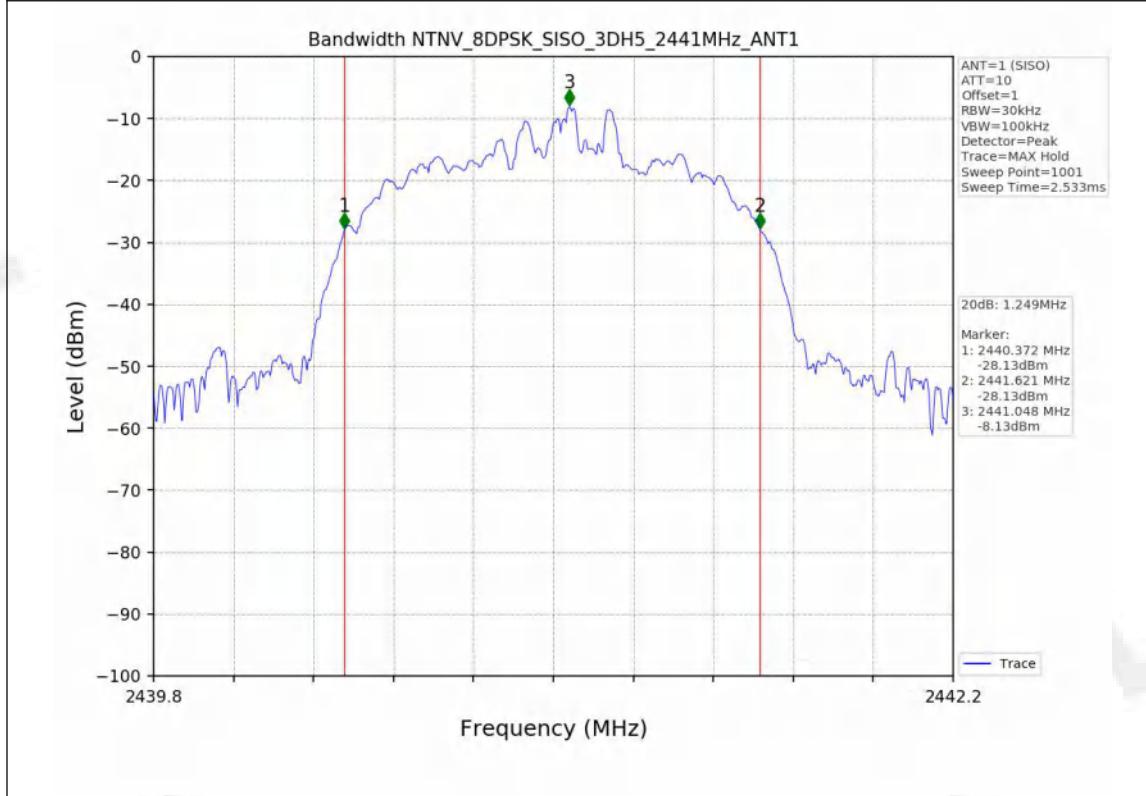
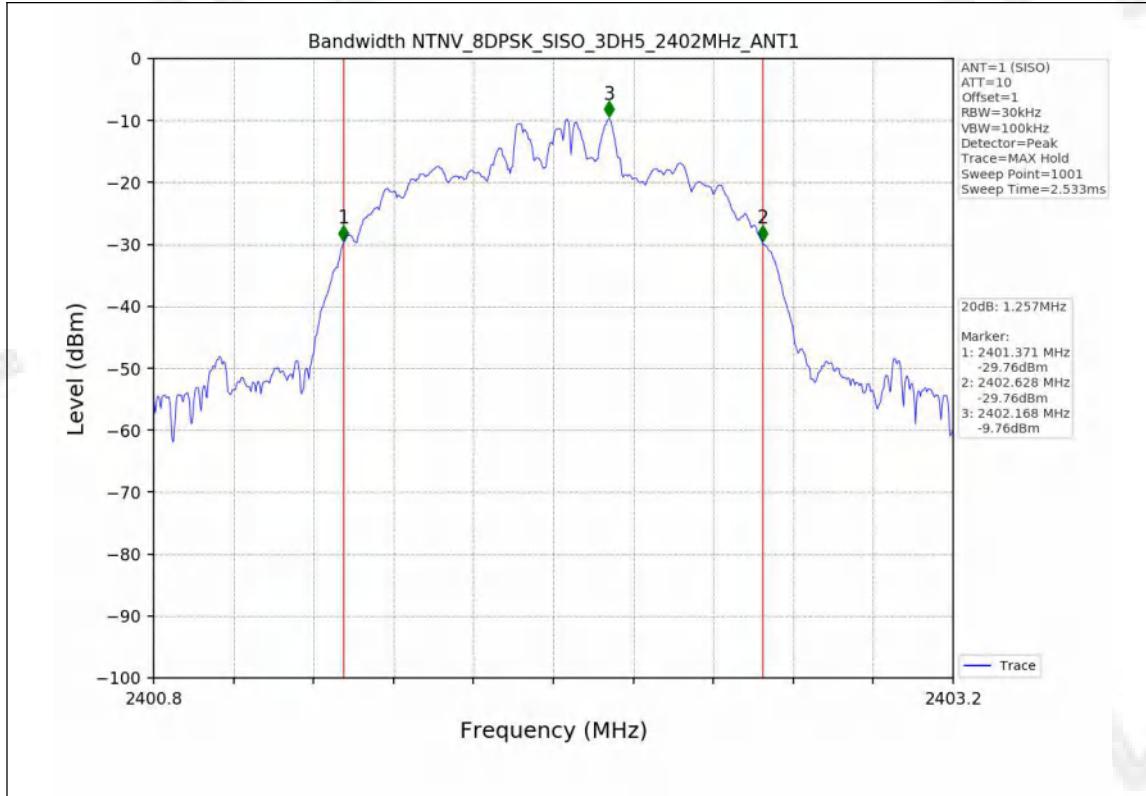
Test Mode	Frequency (MHz)	TX Type	ANT No.	99% Occupied Bandwidth	
				Test Result (MHz)	
GFSK	2402	SISO	1	0.852	Only for Report Use
	2441	SISO	1	0.854	Only for Report Use
	2480	SISO	1	0.860	Only for Report Use
Pi/4DQPSK	2402	SISO	1	1.142	Only for Report Use
	2441	SISO	1	1.144	Only for Report Use
	2480	SISO	1	1.140	Only for Report Use
8DPSK	2402	SISO	1	1.138	Only for Report Use
	2441	SISO	1	1.138	Only for Report Use
	2480	SISO	1	1.136	Only for Report Use

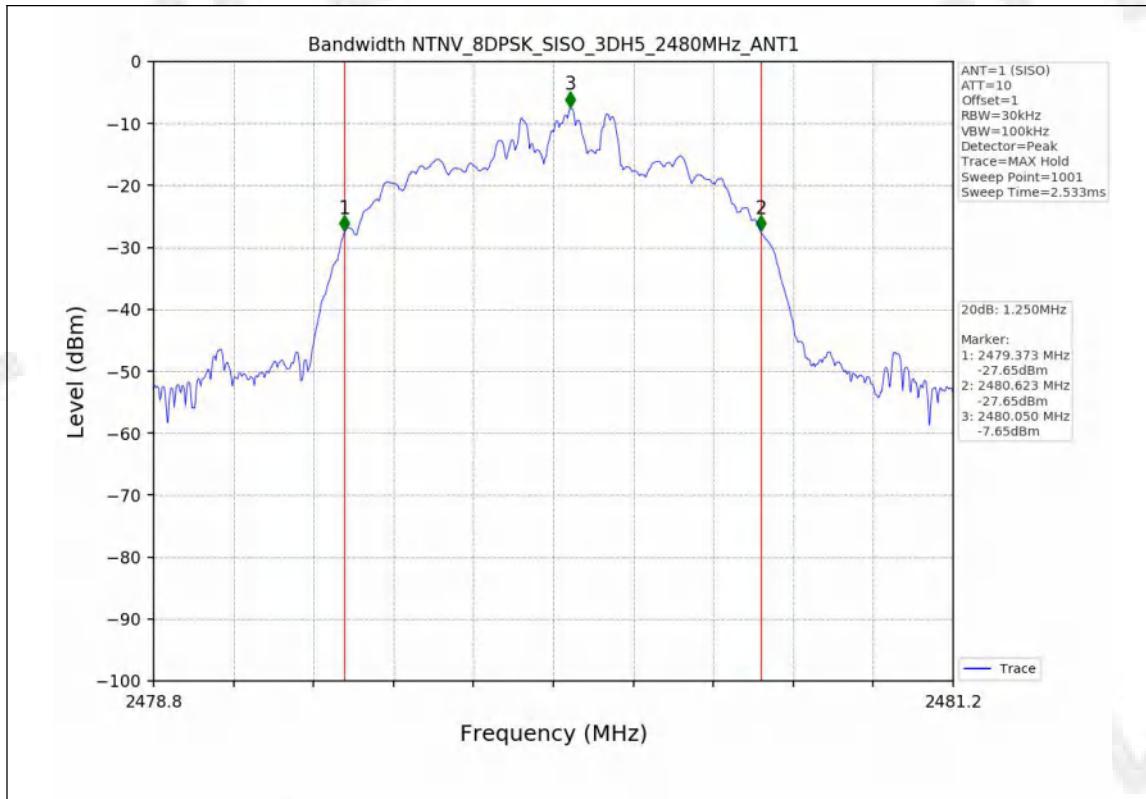
#### 1.2 Test Graph - 20dB Bandwidth



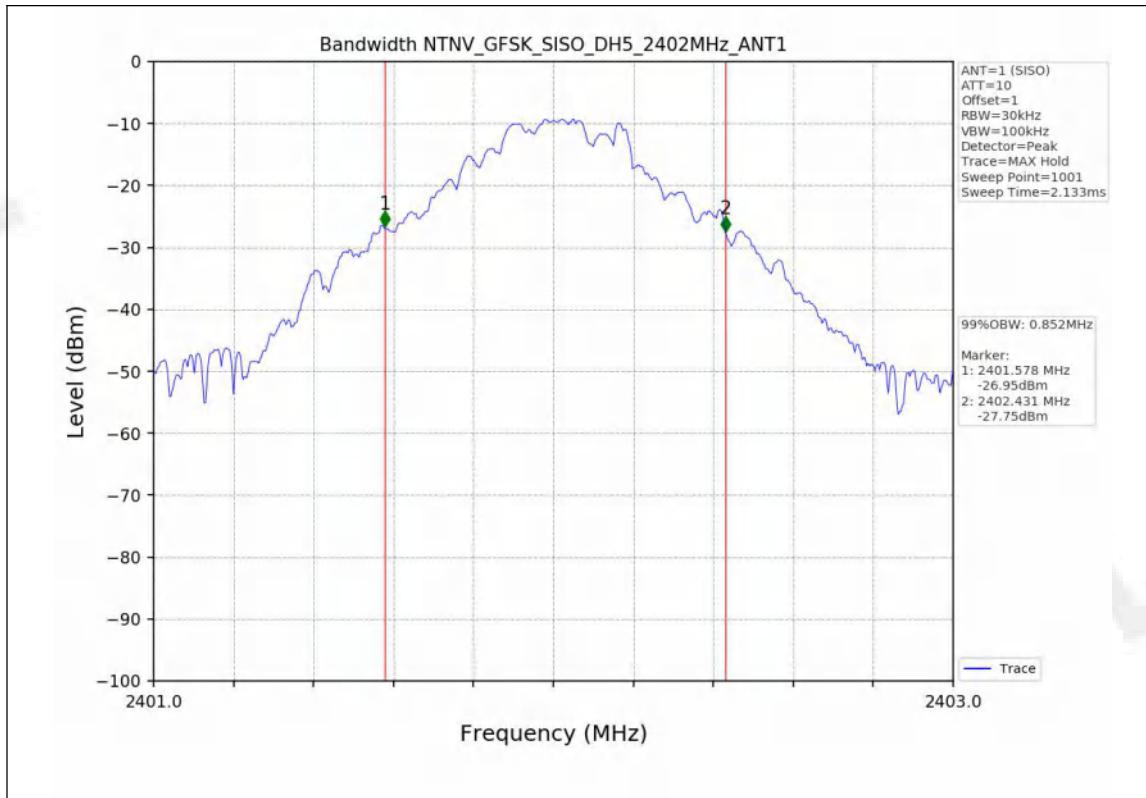


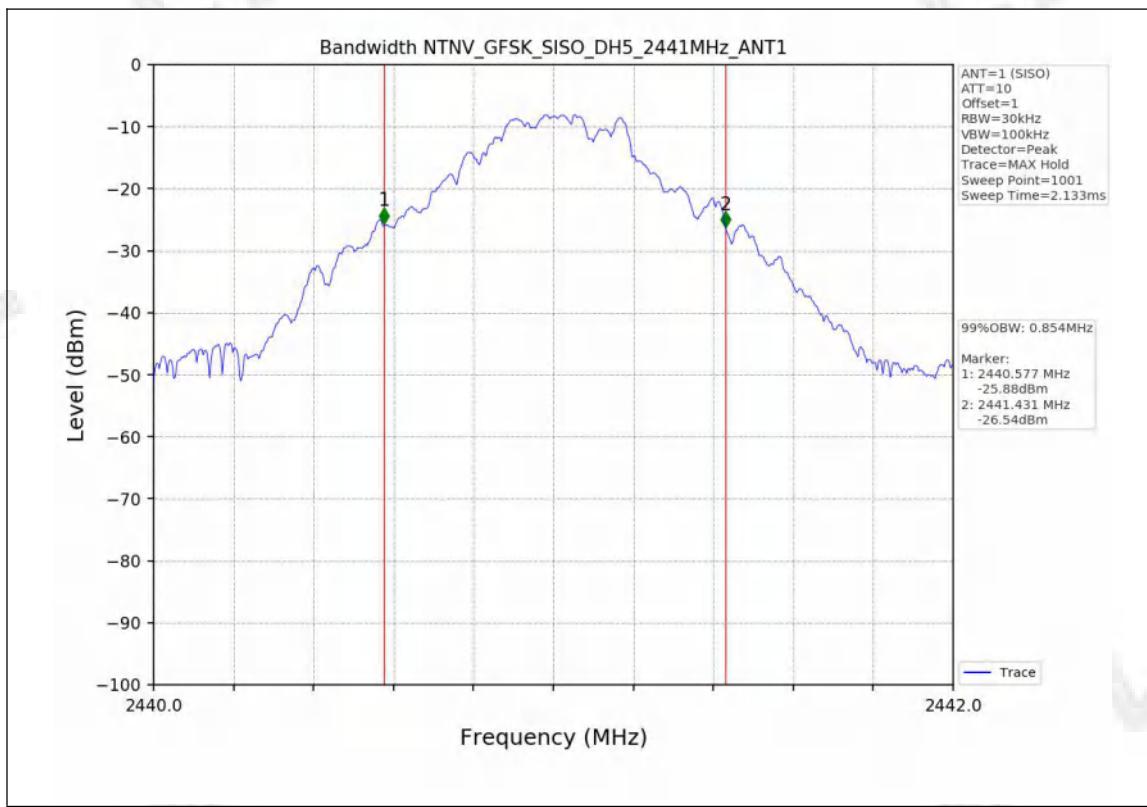


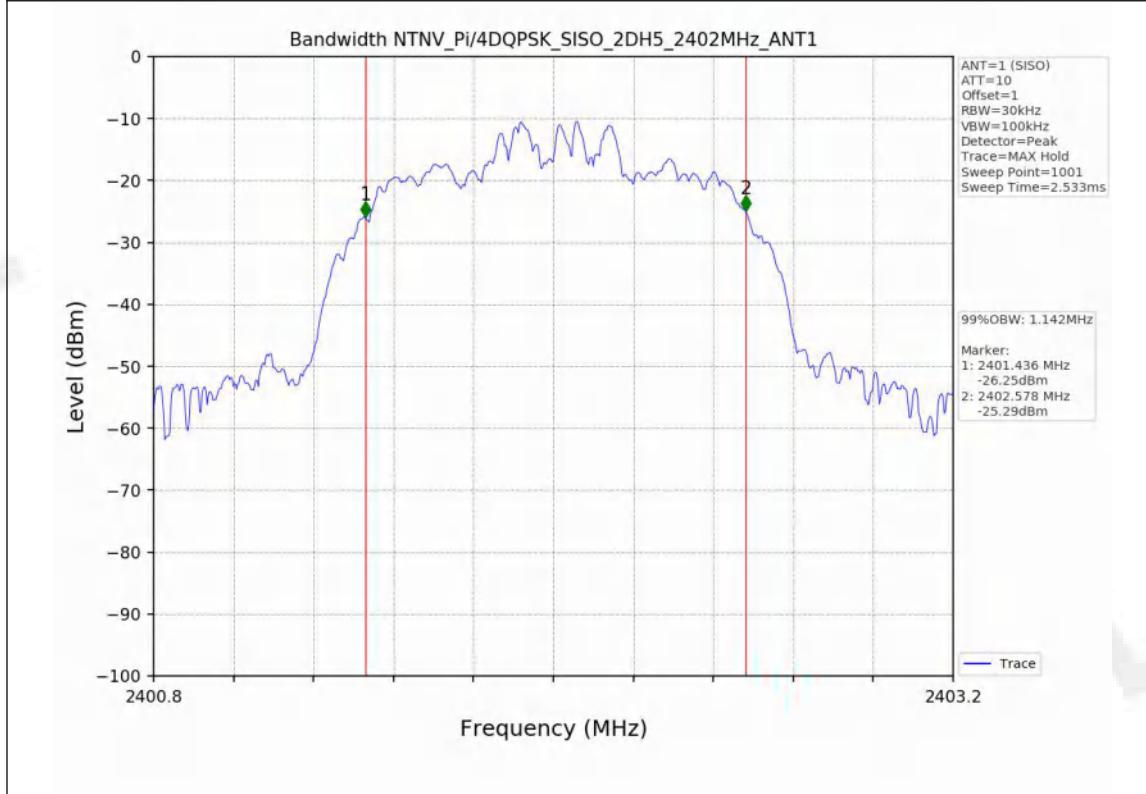
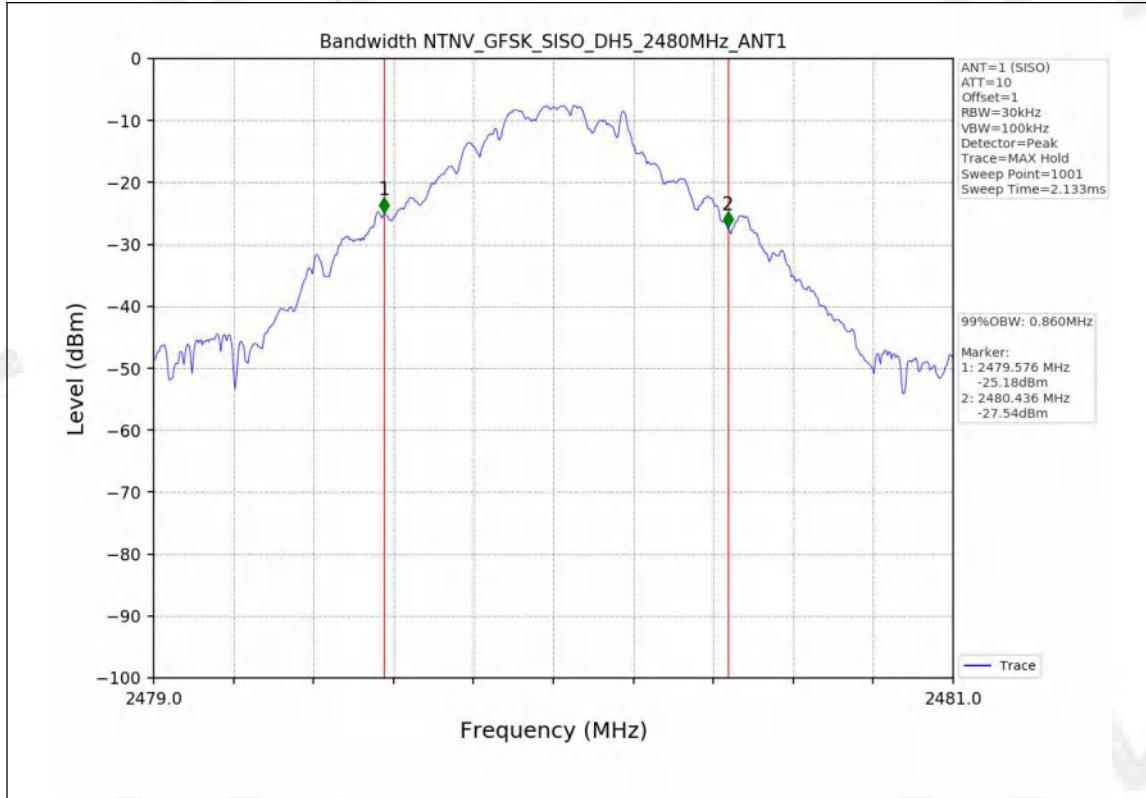


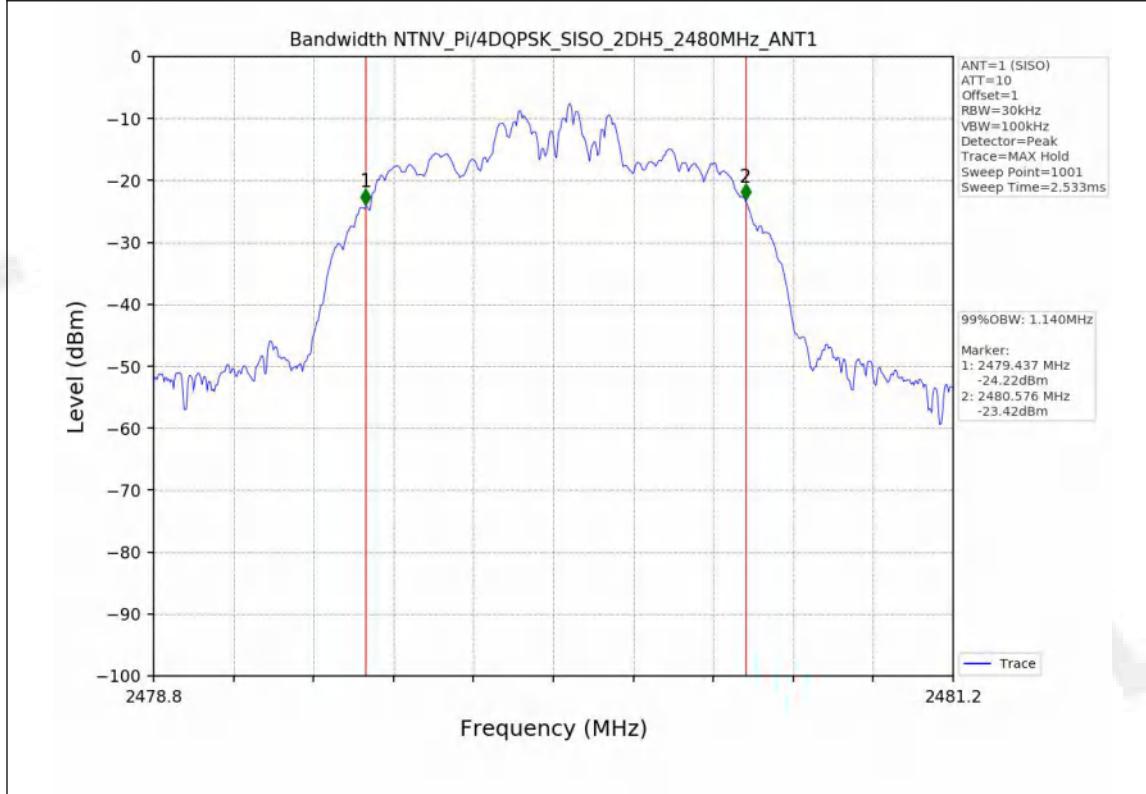
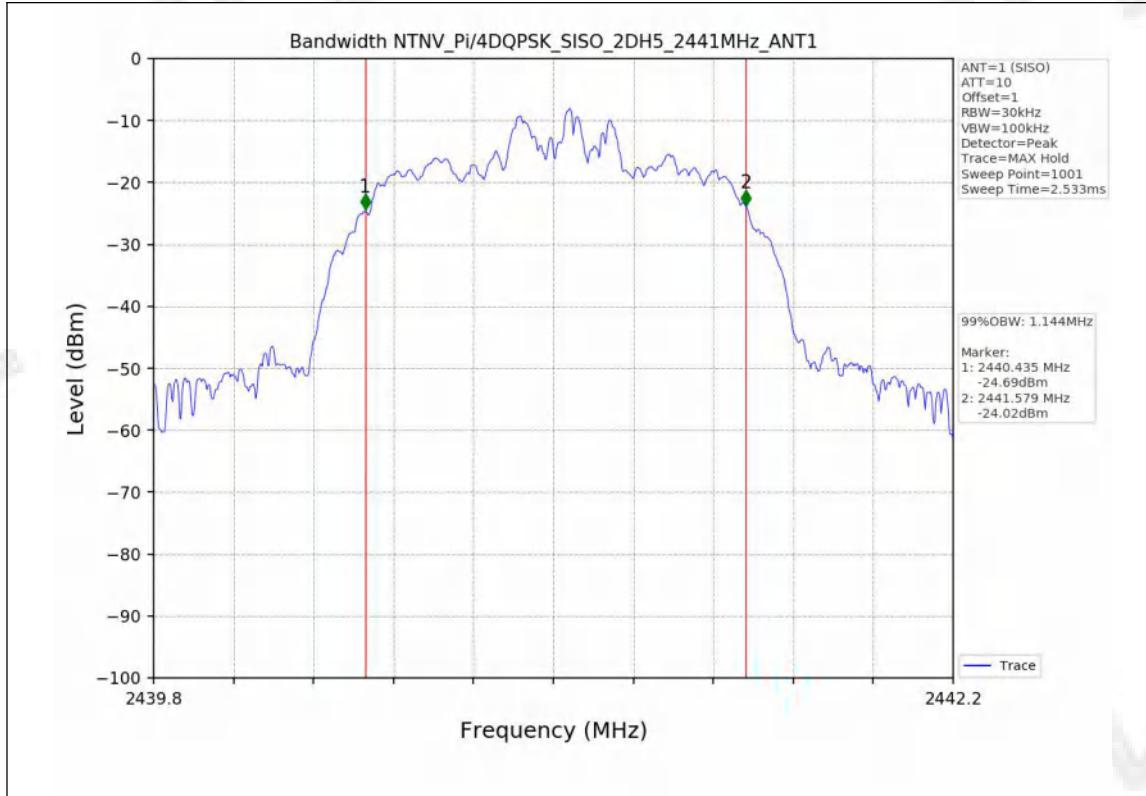


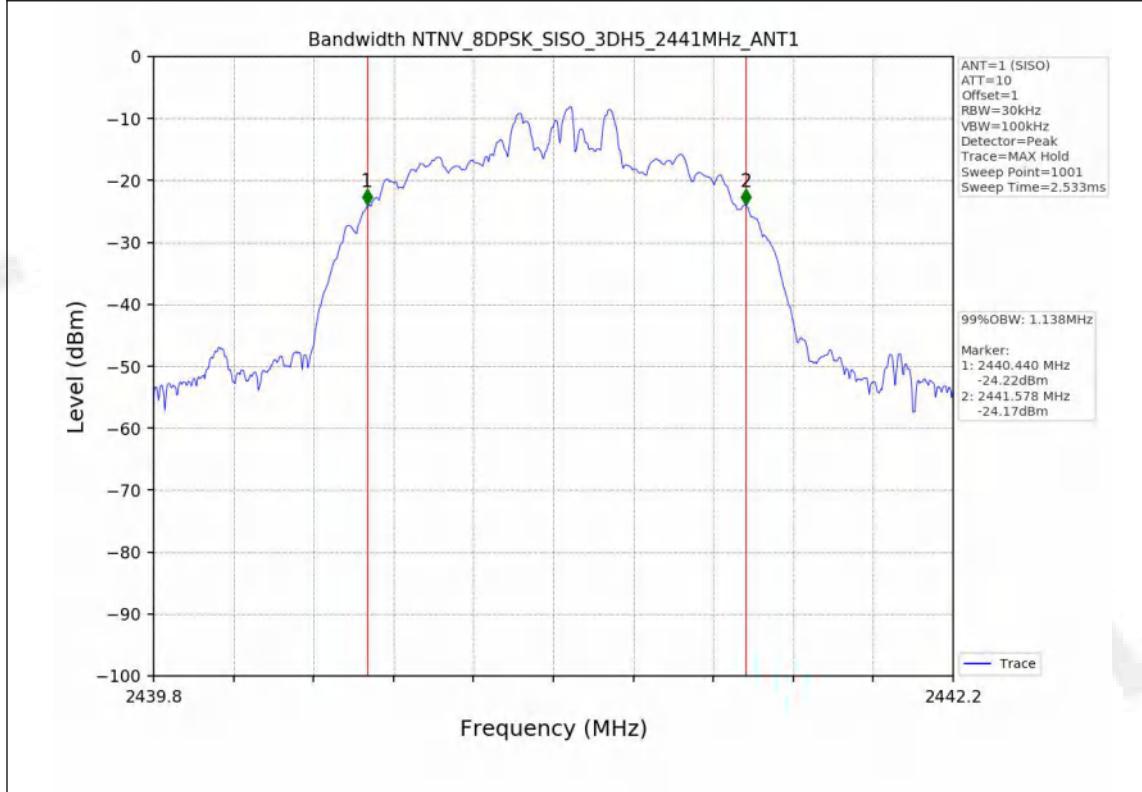
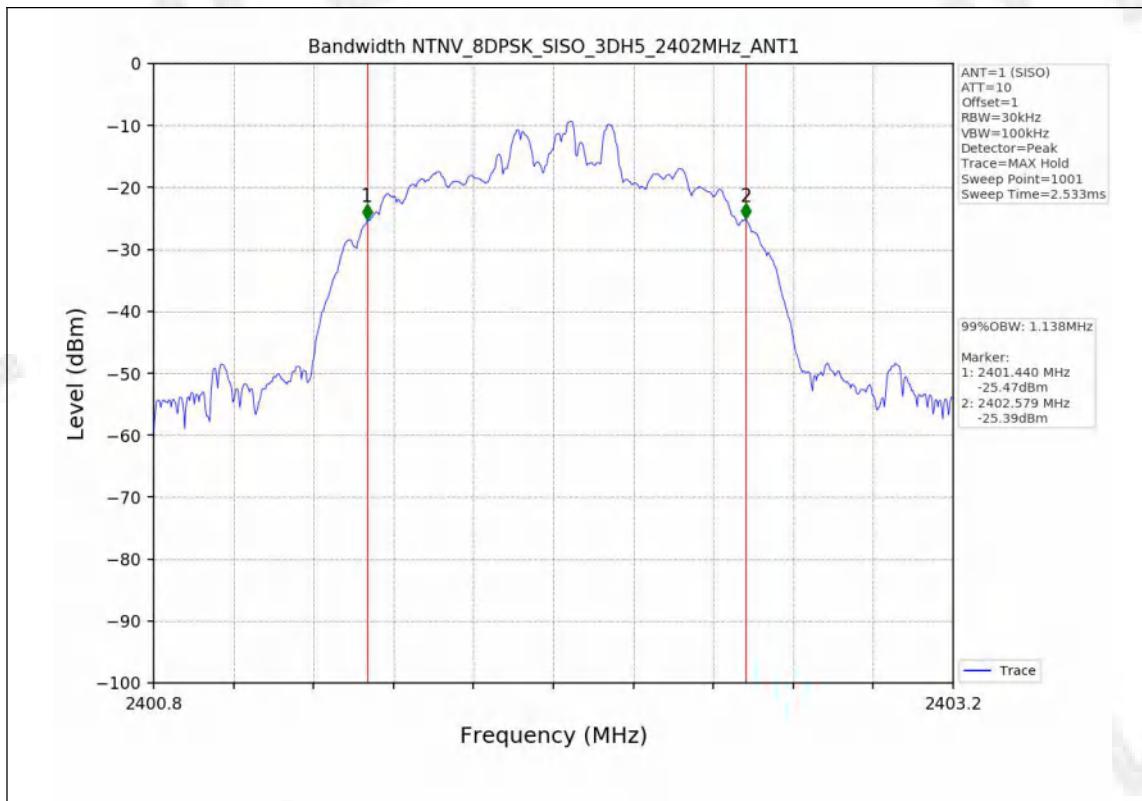
### 1.3 Test Graph - 99% Occupied Bandwidth

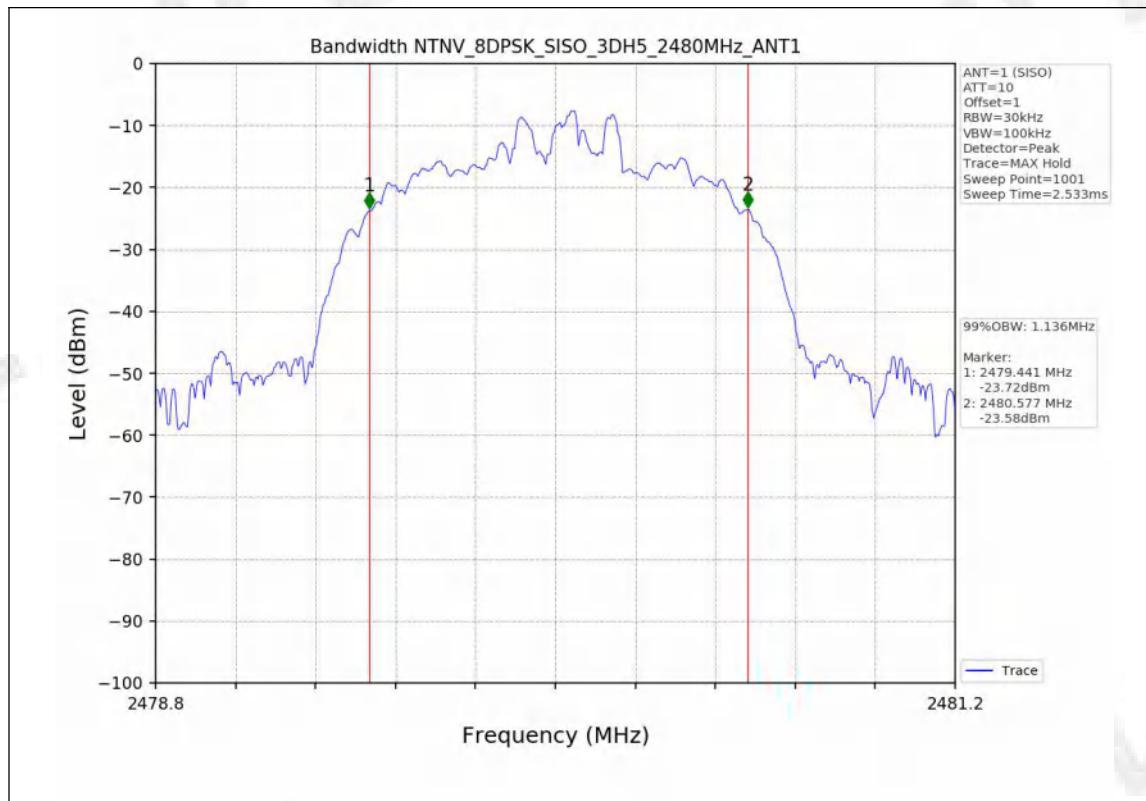










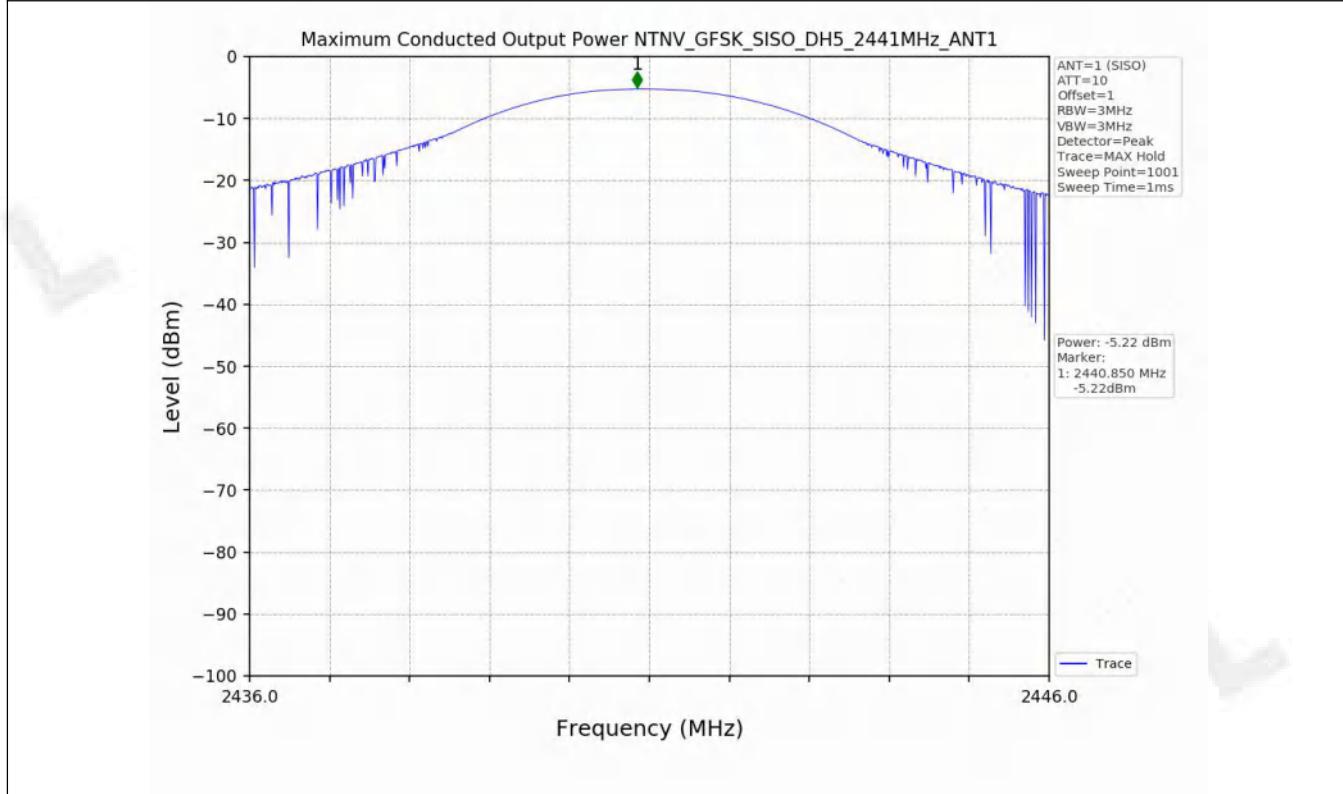
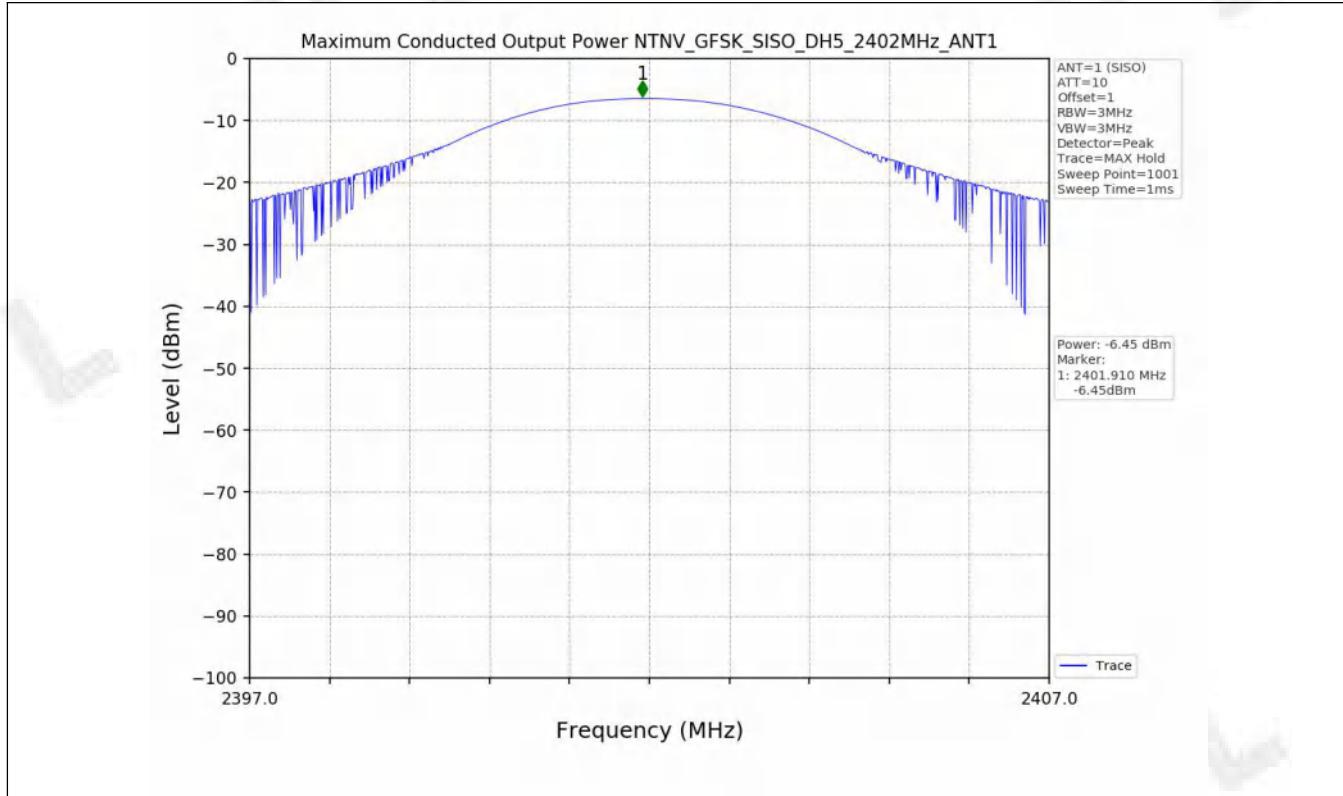


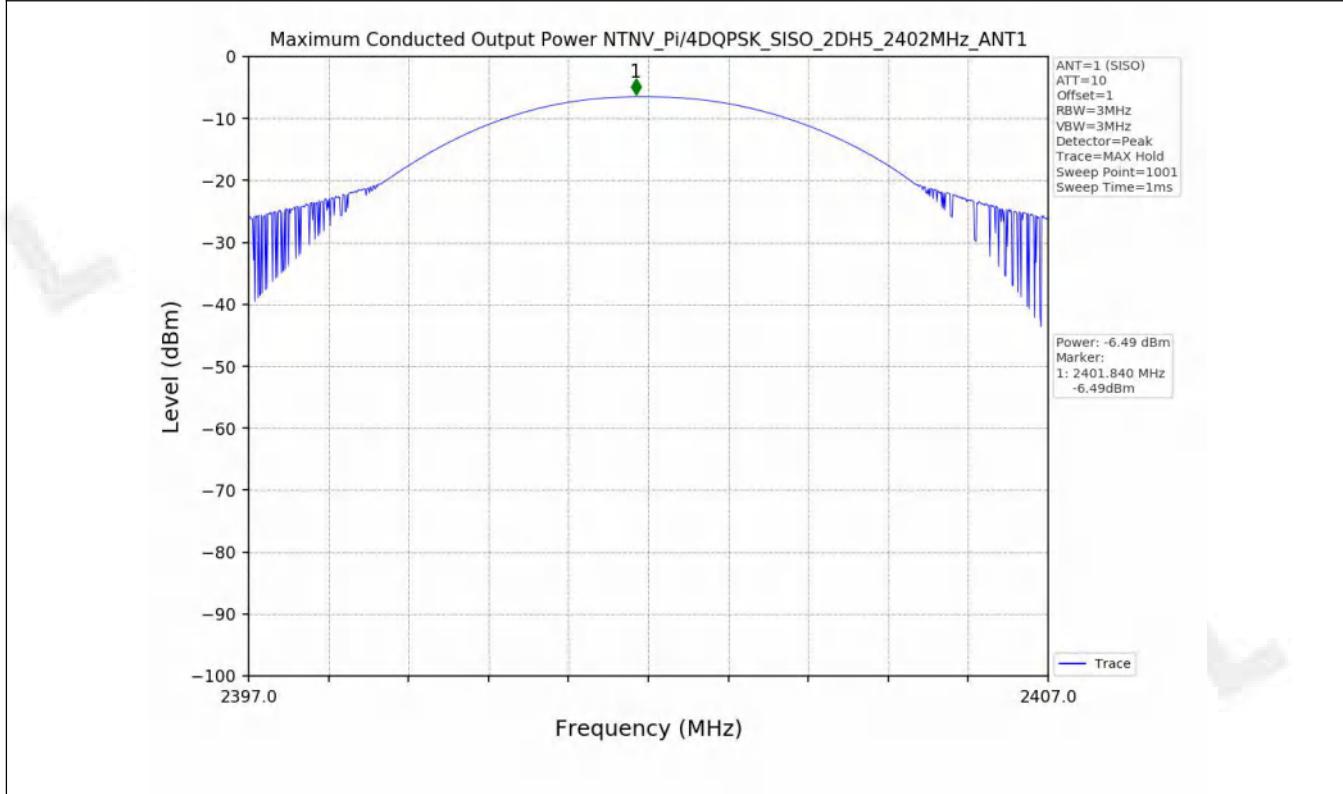
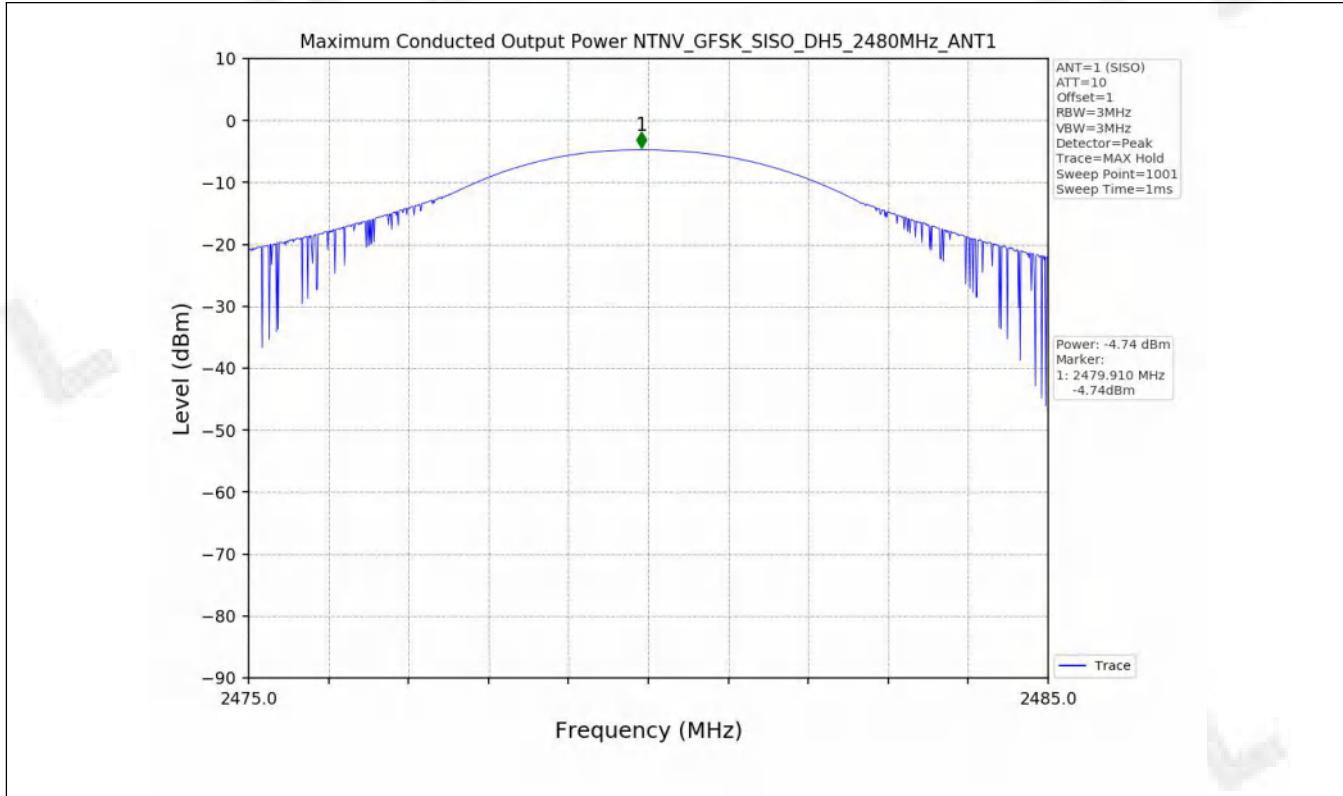
## 2. Maximum Conducted Output Power

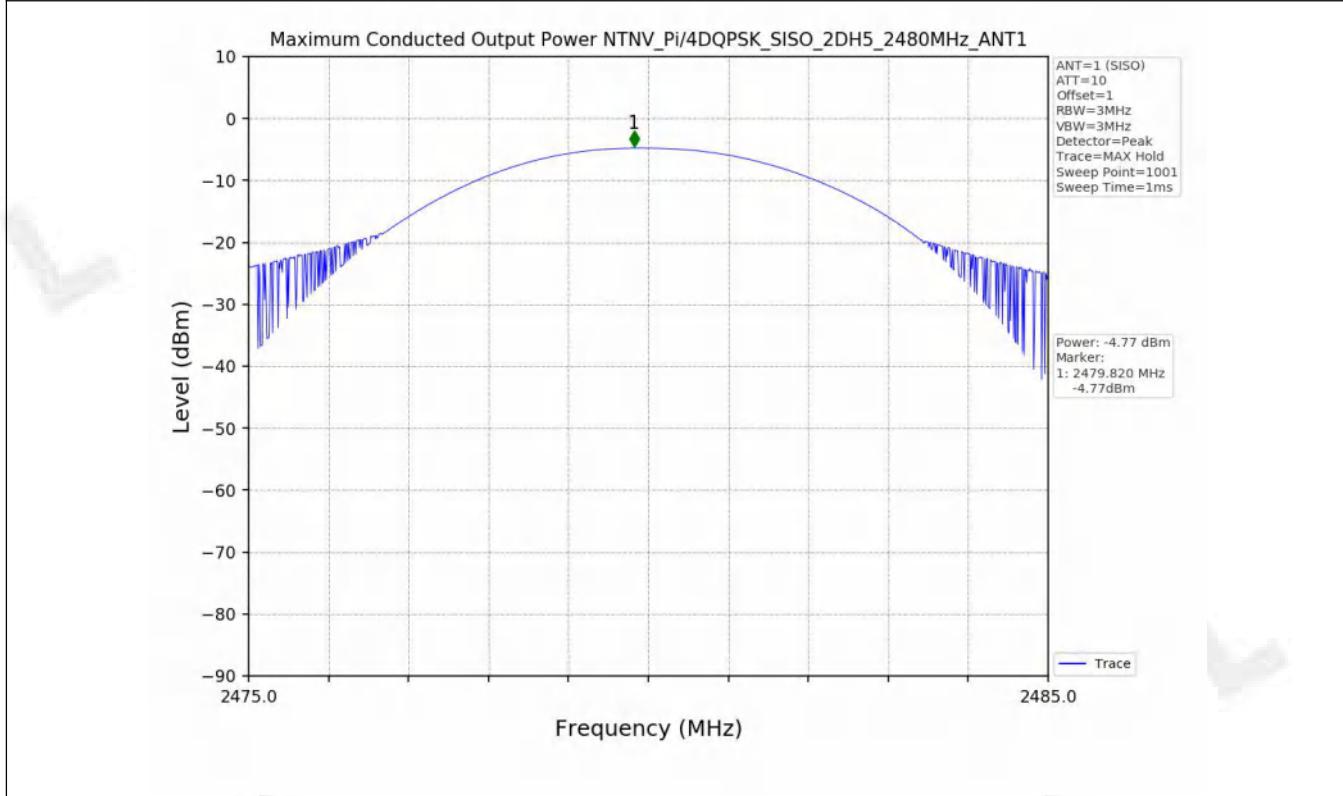
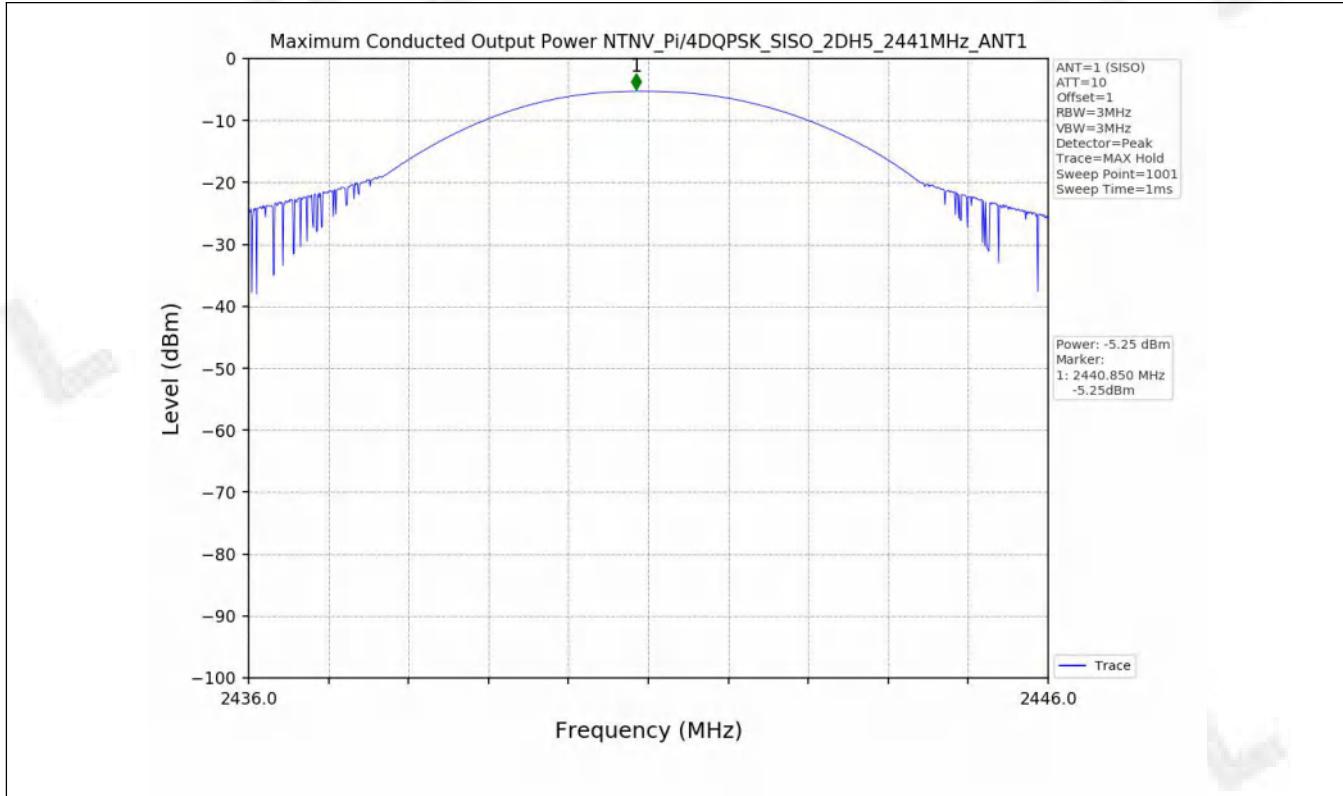
### 2.1 Test Result

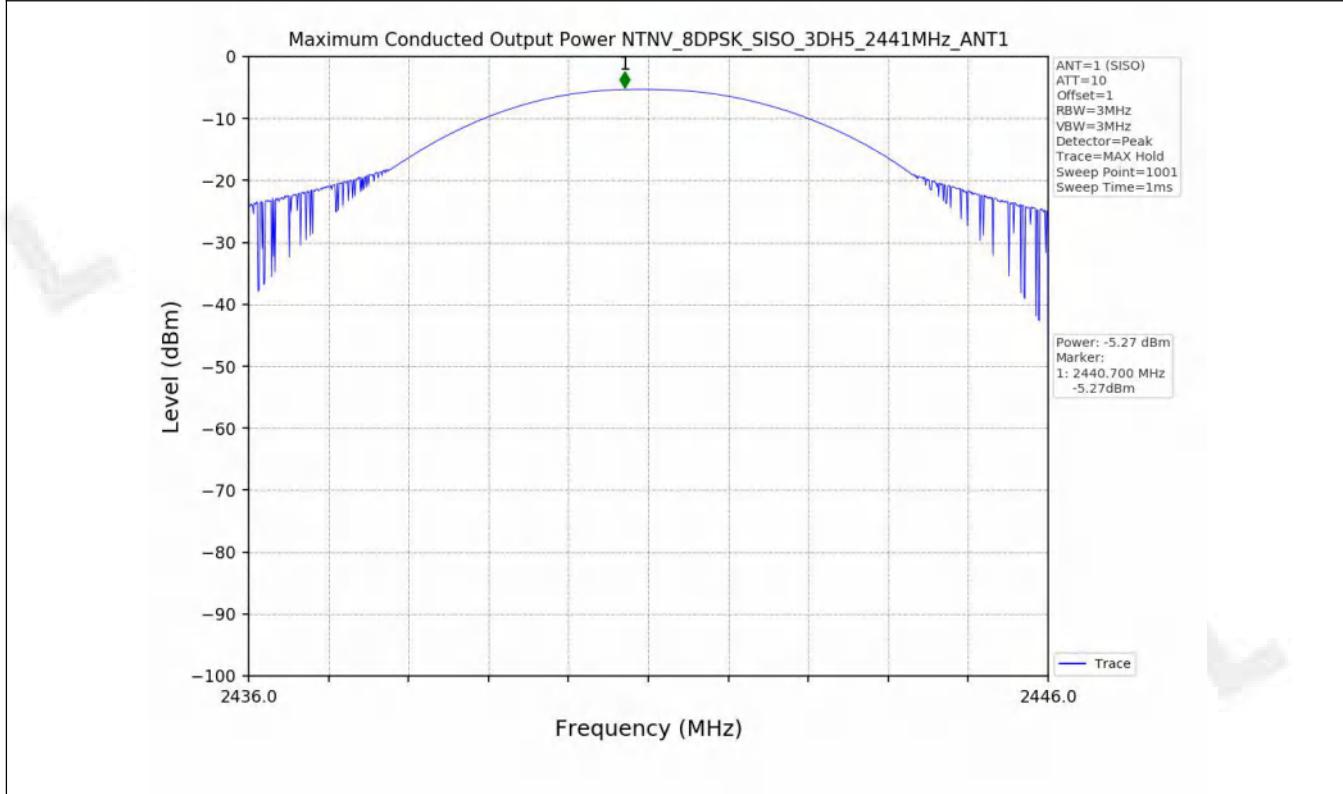
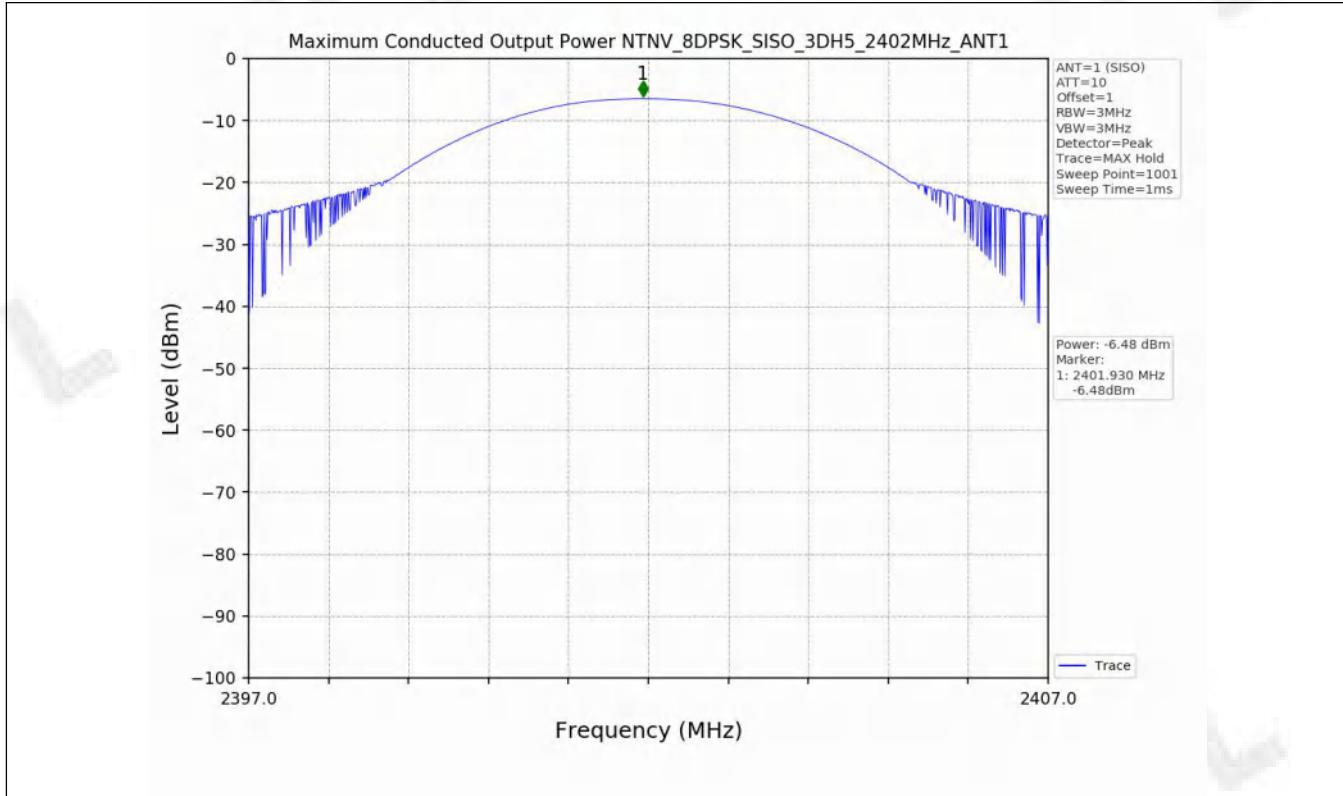
Test Mode	Frequency (MHz)	Tx Type	Measured Peak Output Power (dBm)	Limits (dBm)	Verdict
			Ant 1		
GFSK	2402	SISO	-6.45	30	PASS
	2441	SISO	-5.22	30	PASS
	2480	SISO	-4.74	30	PASS
Pi/4DQPSK	2402	SISO	-6.49	20.97	PASS
	2441	SISO	-5.25	20.97	PASS
	2480	SISO	-4.77	20.97	PASS
8DPSK	2402	SISO	-6.48	20.97	PASS
	2441	SISO	-5.27	20.97	PASS
	2480	SISO	-4.78	20.97	PASS

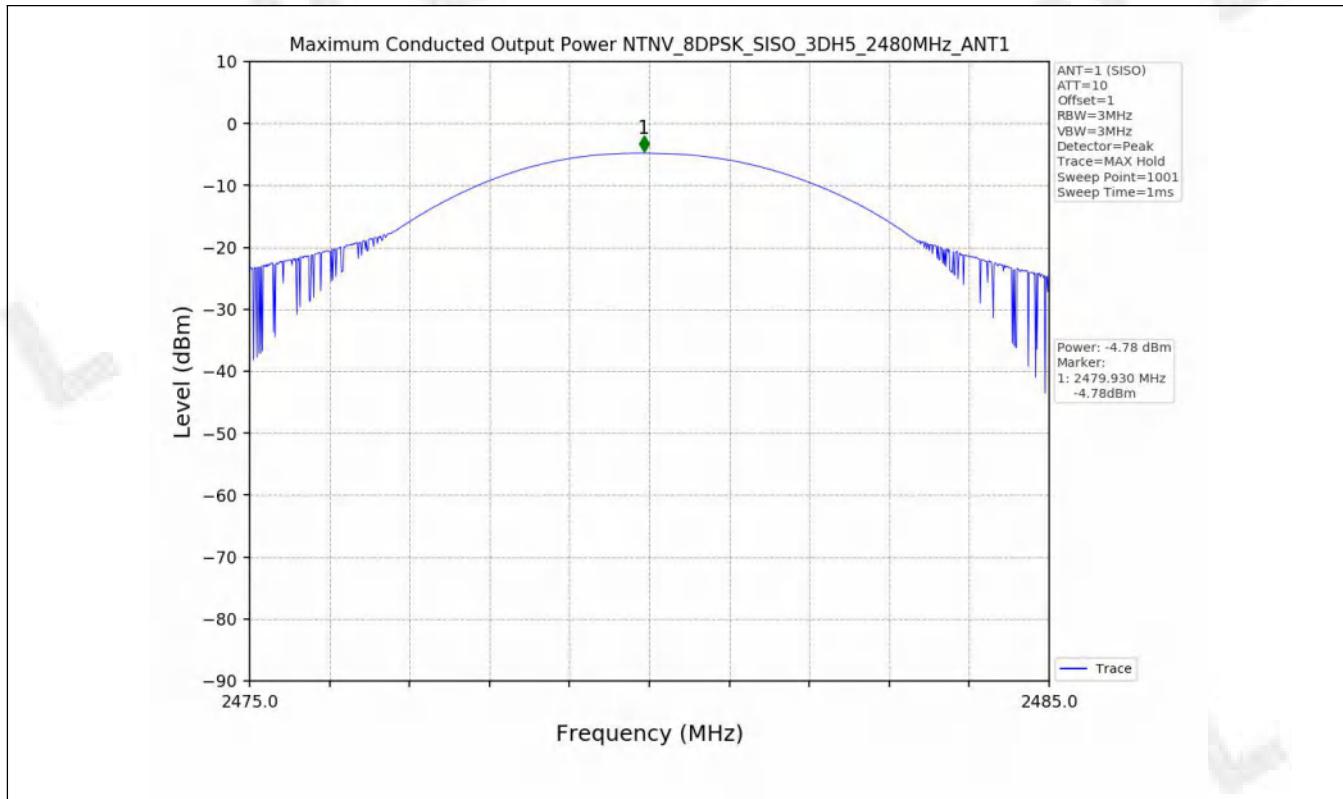
### 2.2 Test Graph









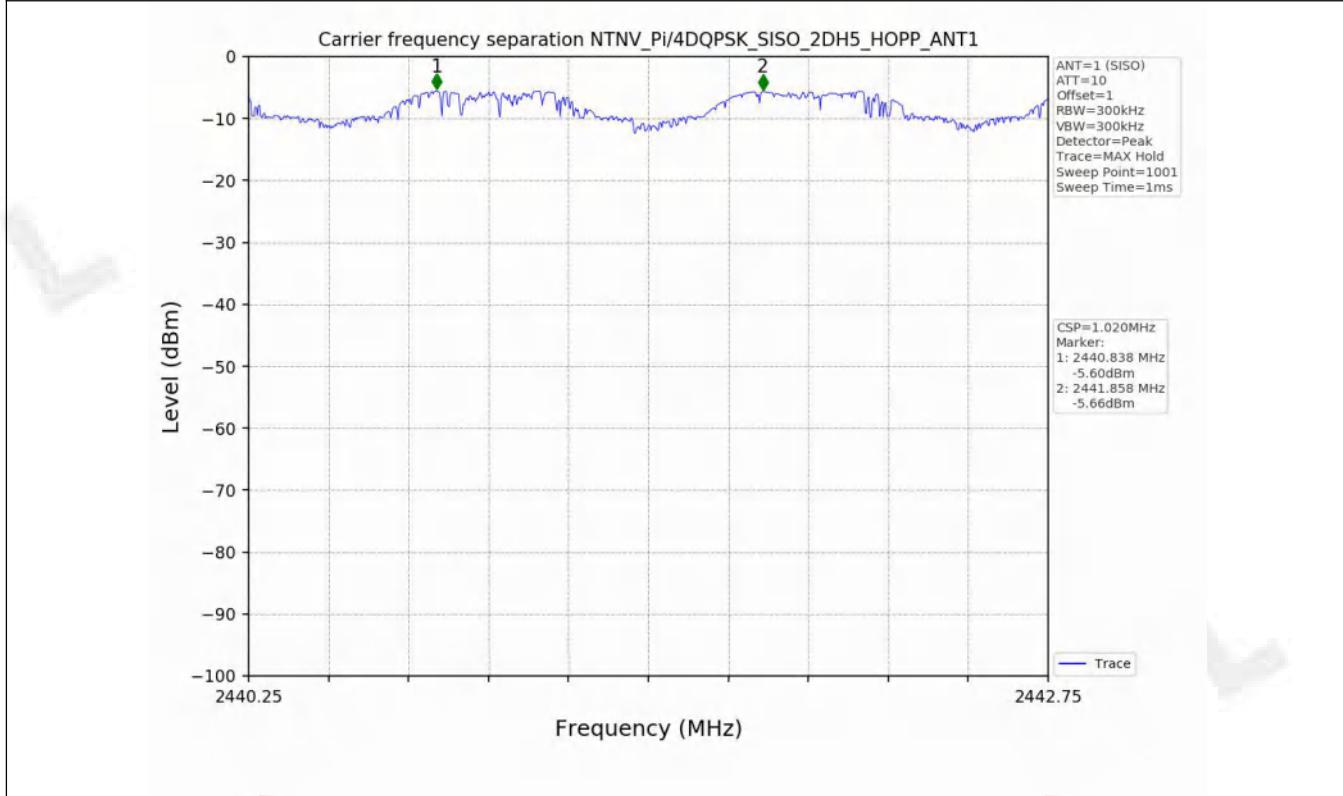
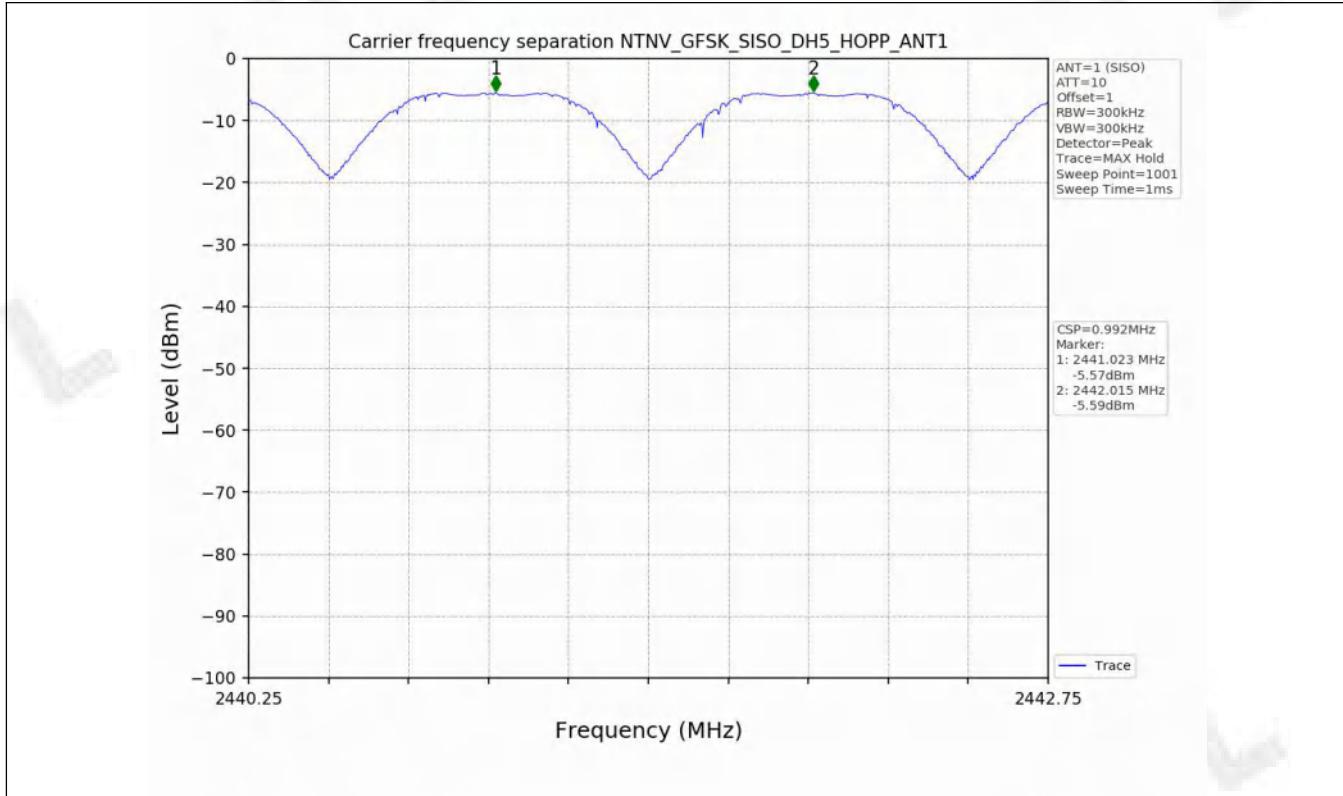


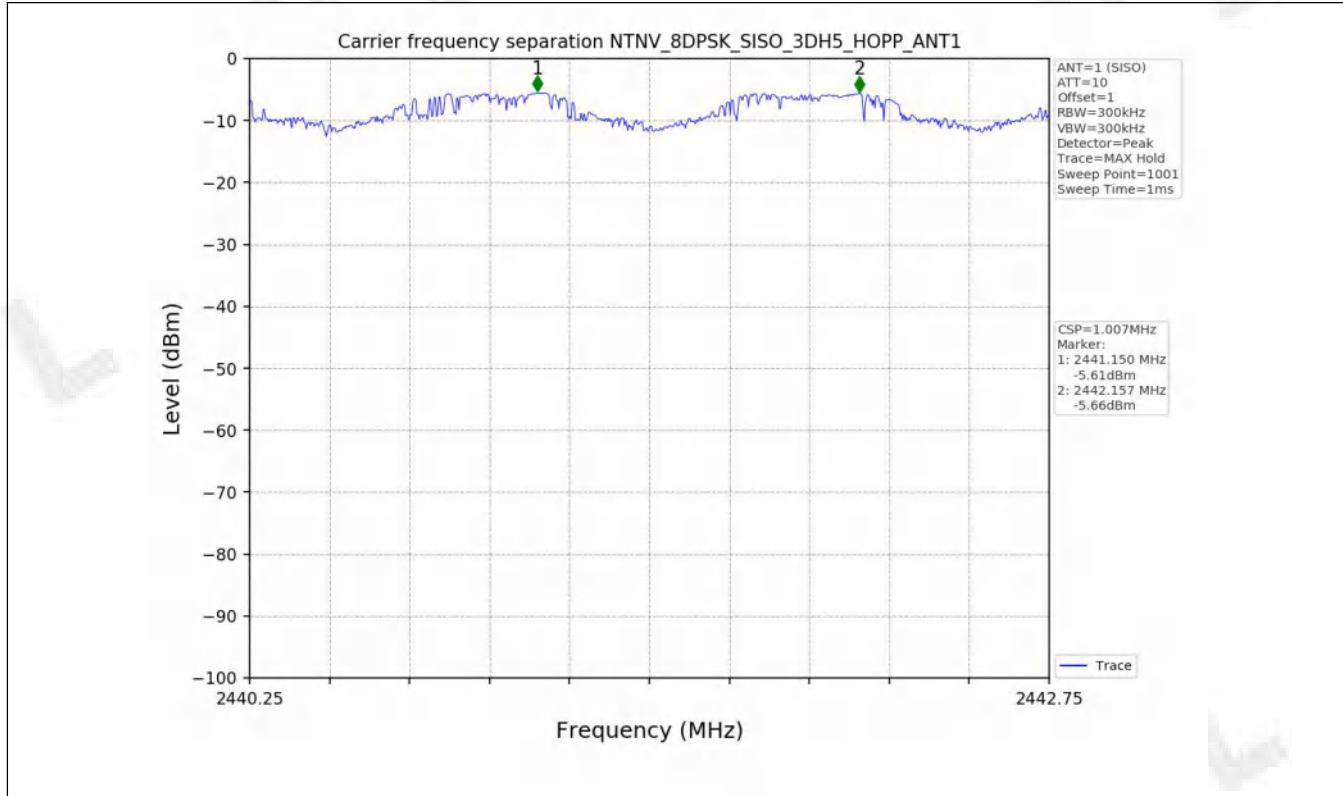
### 3. Carrier frequency separation

#### 3.1 Test Result

Test Mode	TX Type	ANT No.	Channel Separation (MHz)	20dB Bandwidth (MHz)	Limits (MHz)	Verdict
GFSK	SISO	1	0.992	0.959	$\geq 0.959$	PASS
Pi/4DQPSK	SISO	1	1.020	1.272	$\geq 0.848$	PASS
8DPSK	SISO	1	1.007	1.257	$\geq 0.838$	PASS

#### 3.2 Test Graph



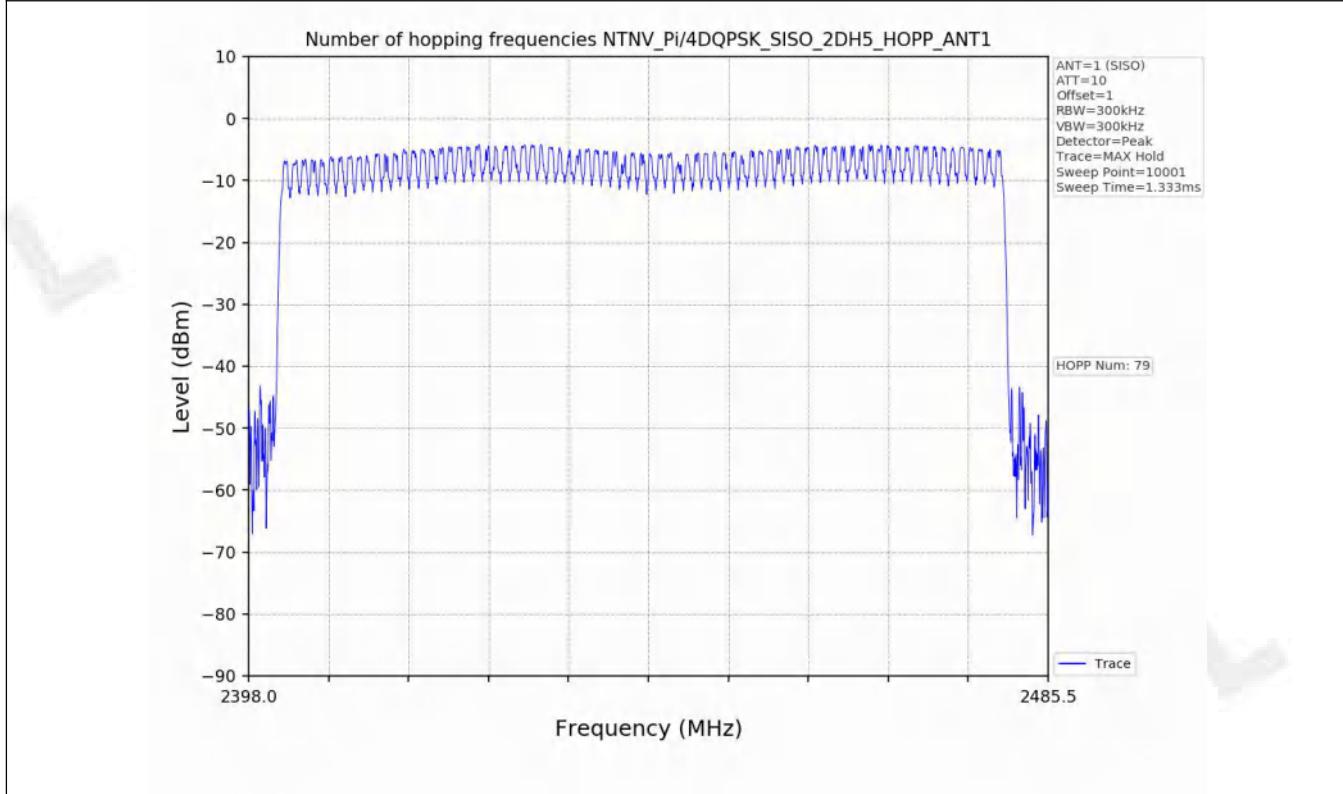
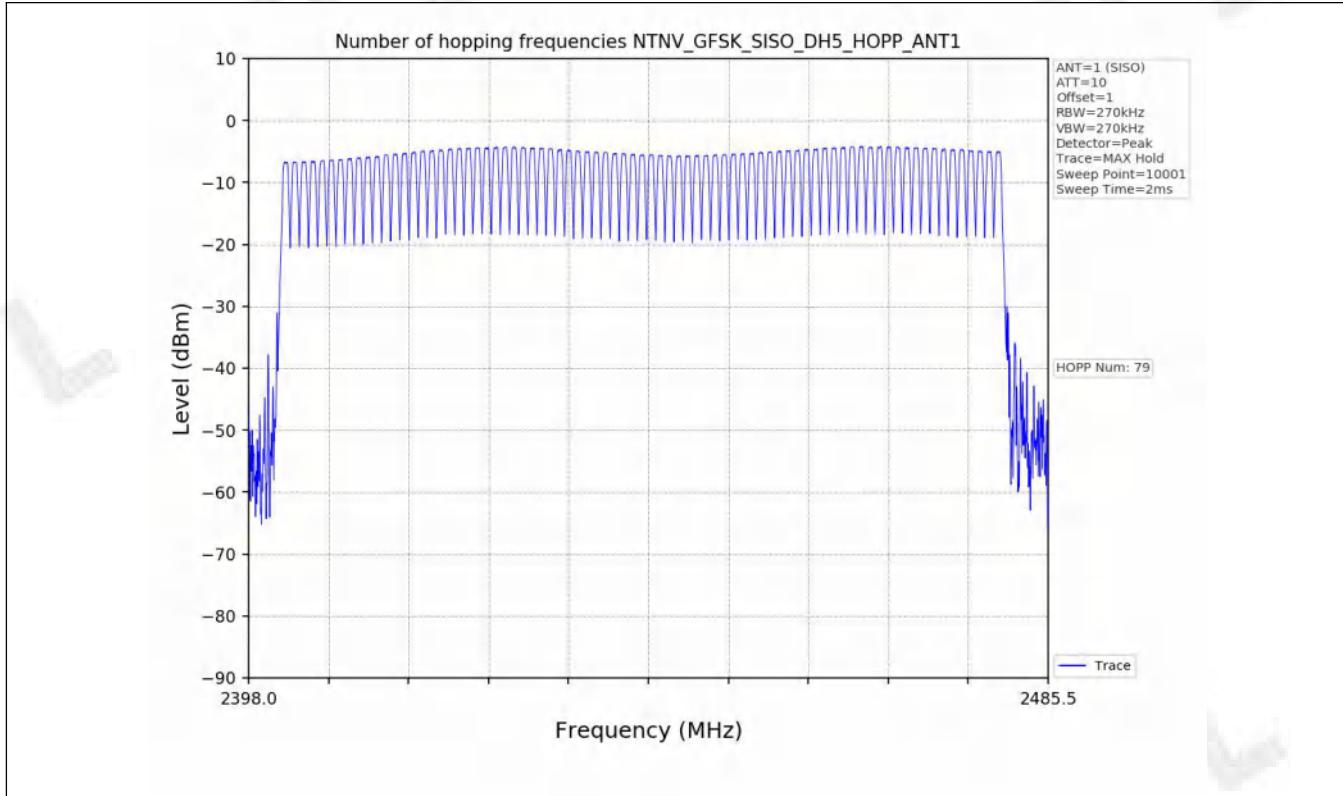


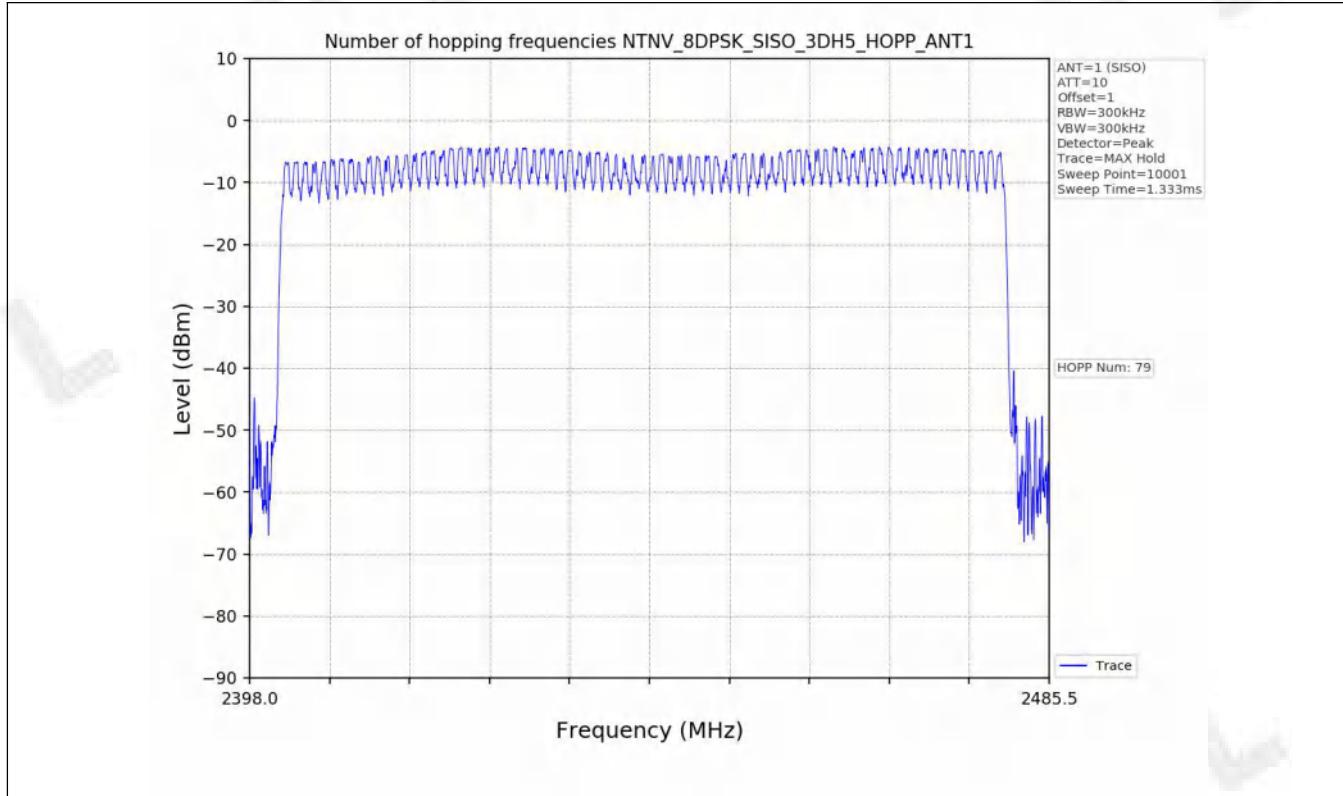
## 4. Number of hopping frequencies

### 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



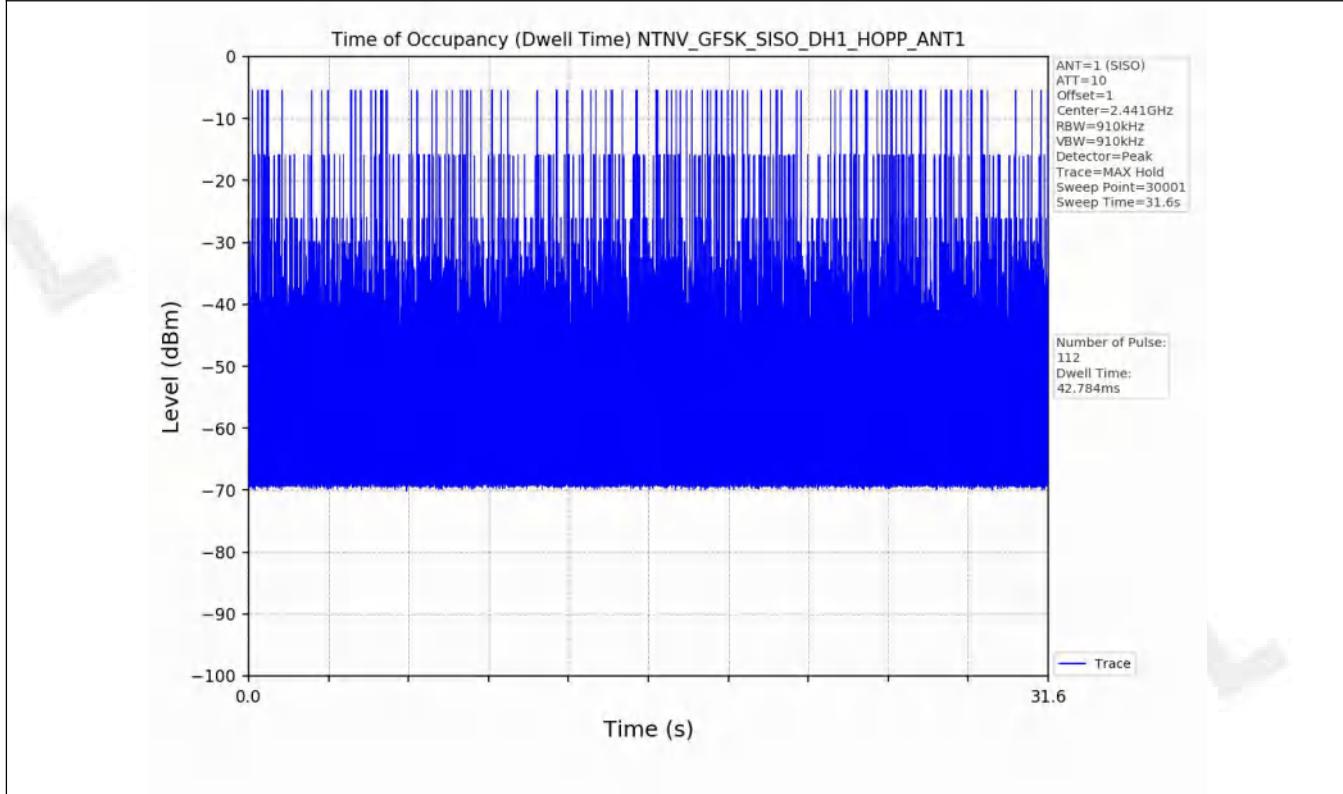
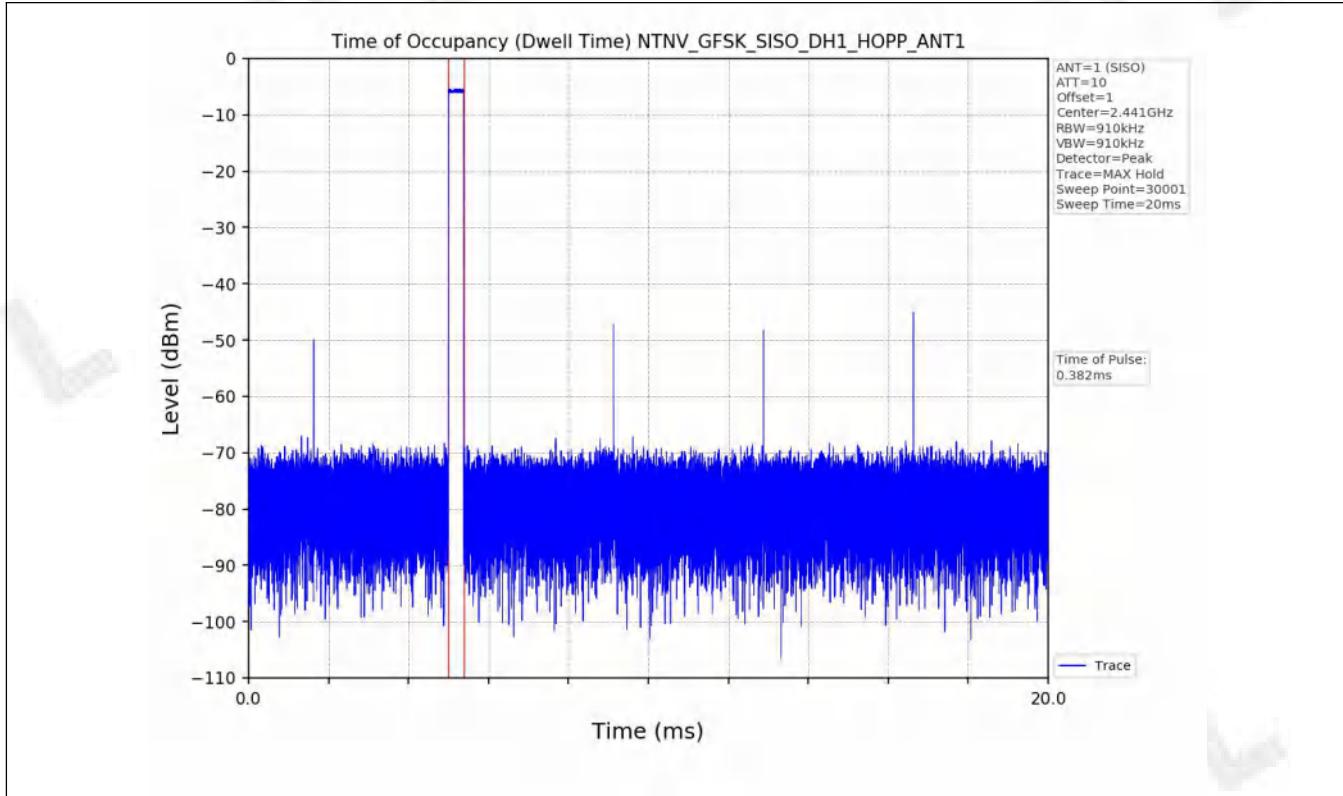


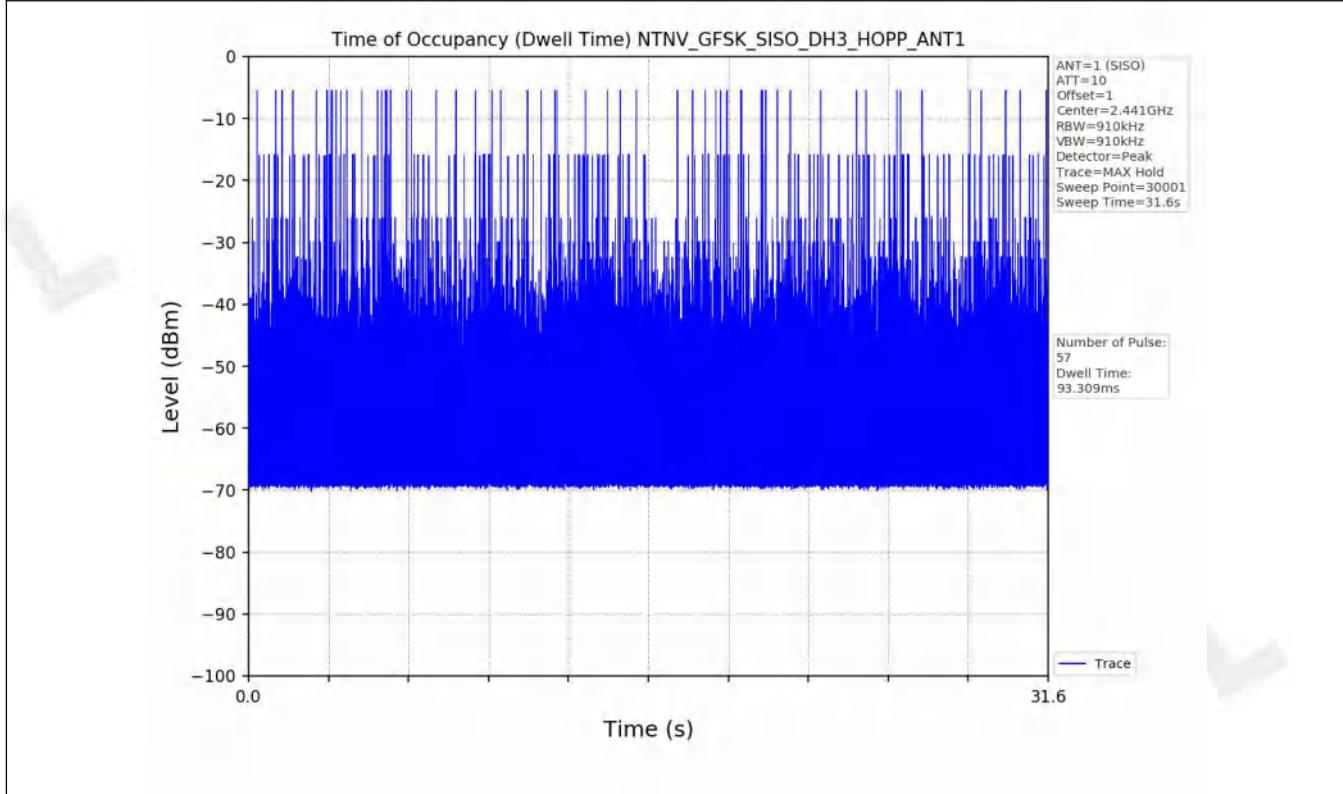
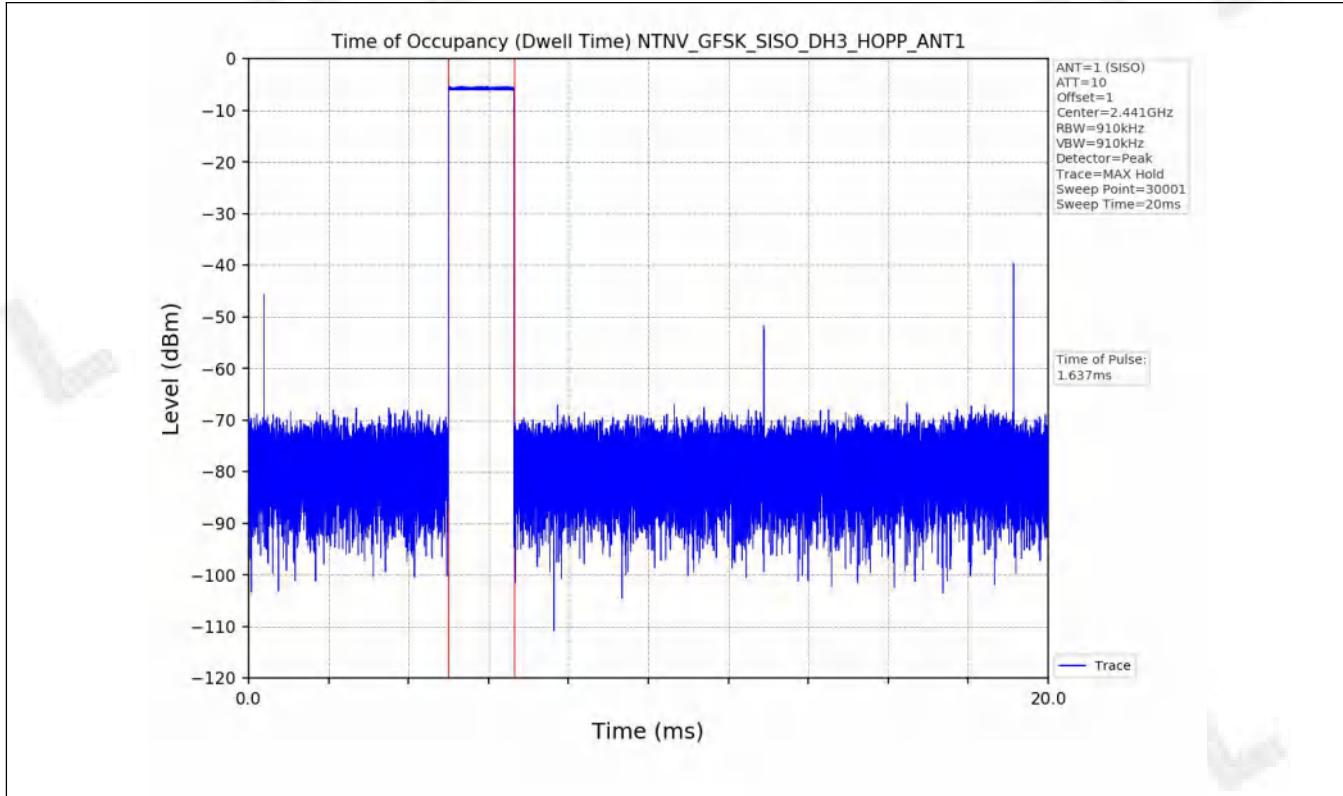
## 5. Time of Occupancy (Dwell Time)

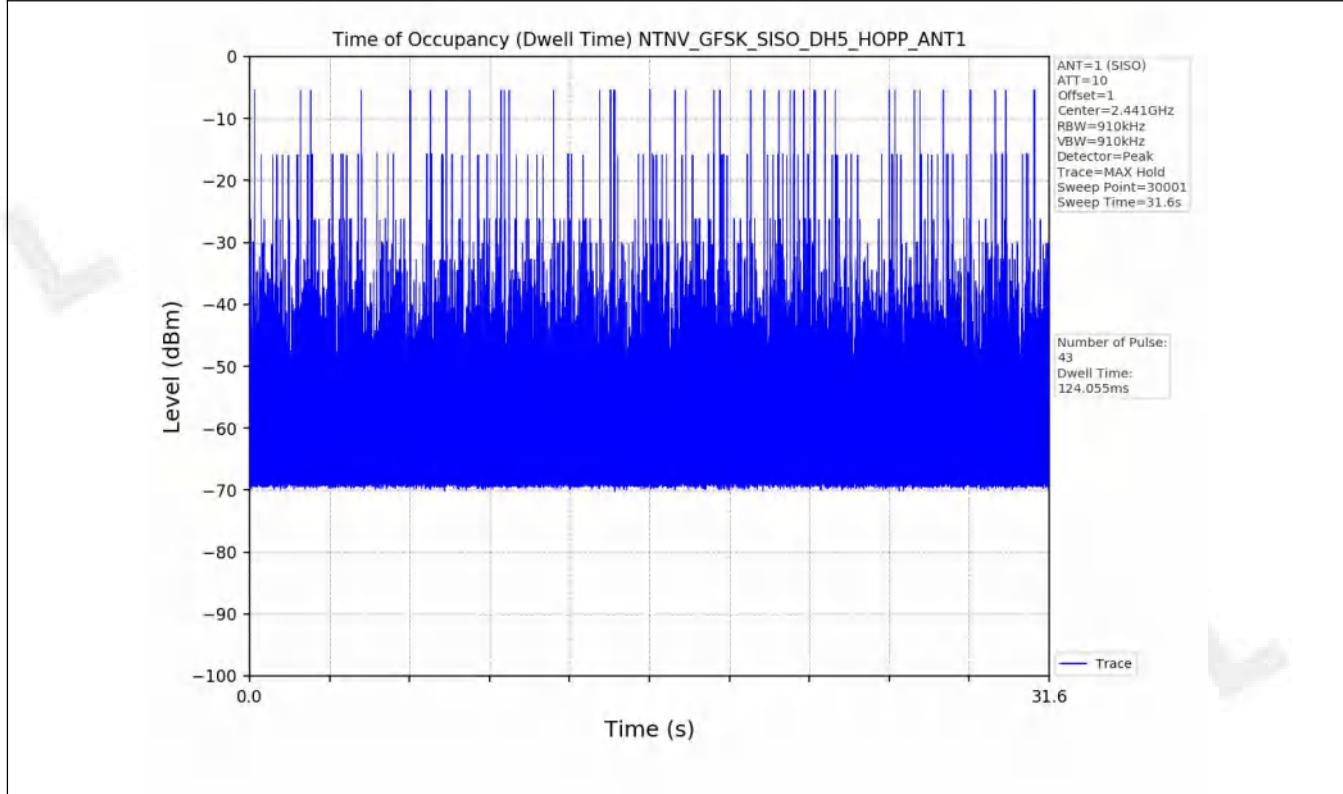
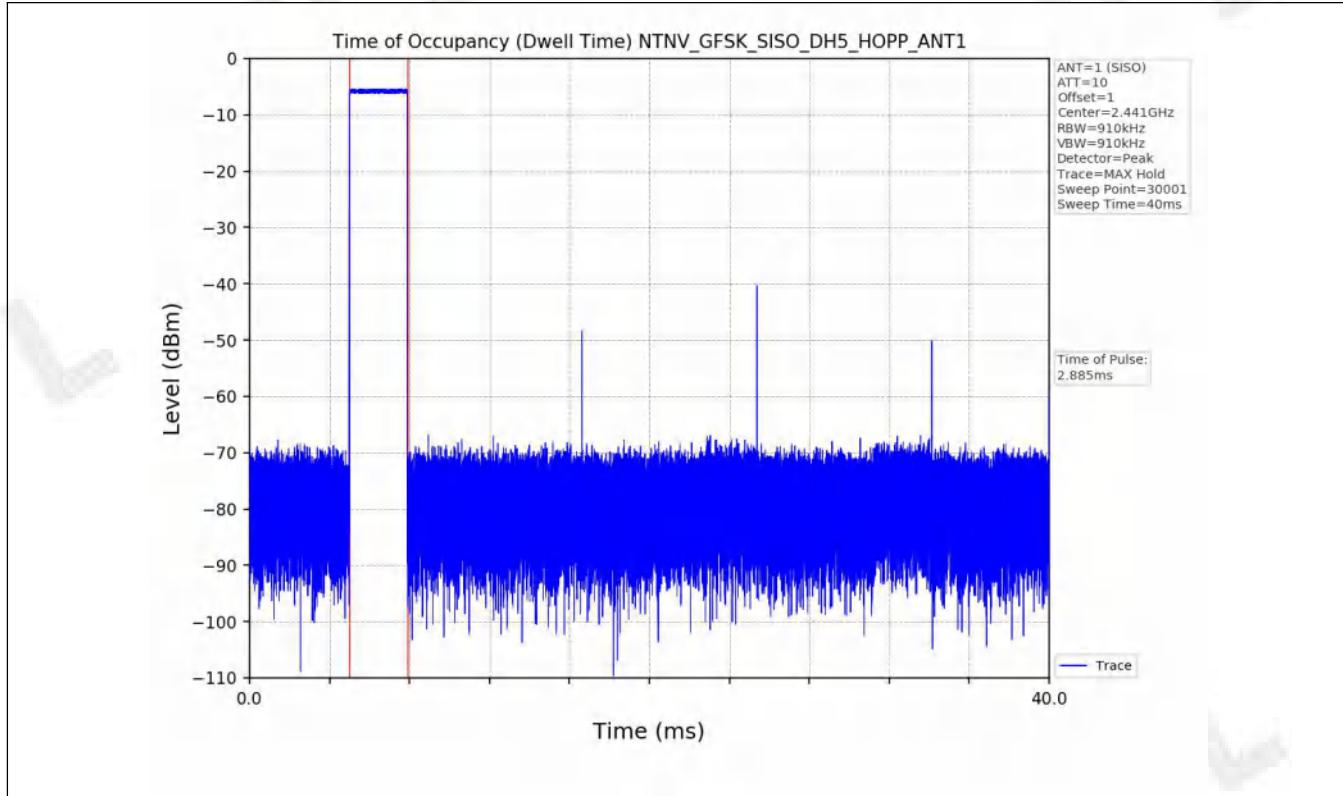
### 5.1 Test Result

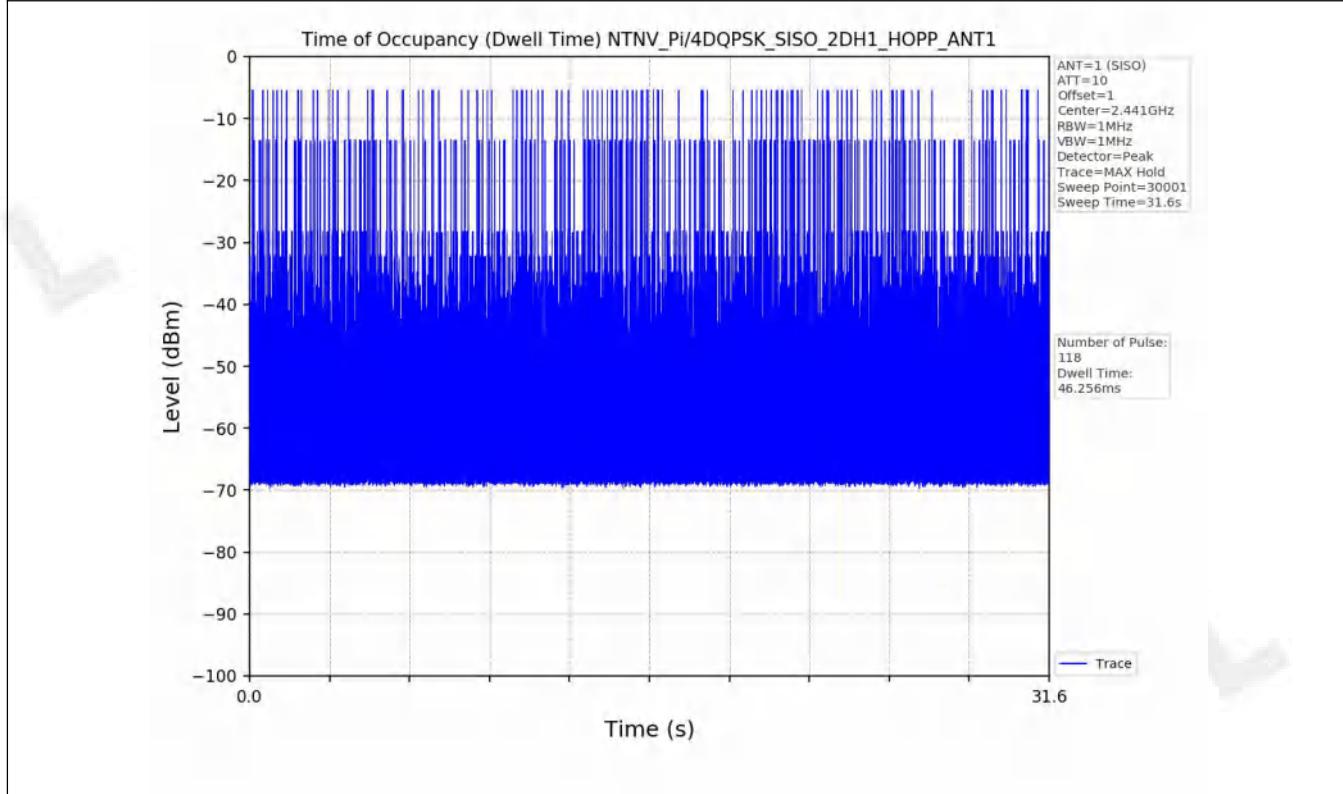
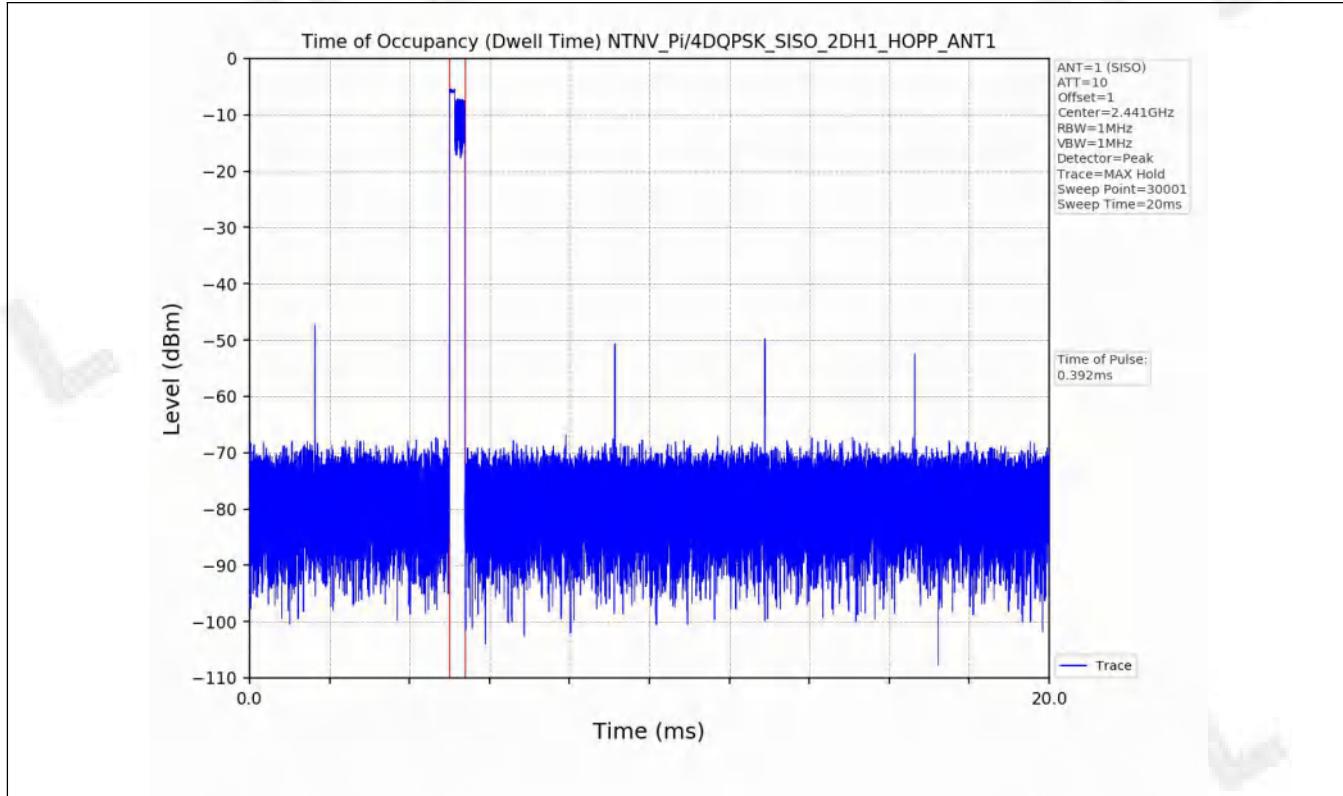
Test Mode	Packet Type	TX Type	ANT No.	Duration of Single Pulse (ms)	Observation Period (s)	Num of Pulse in Observation Period	Dwell Time (ms)	Limits (ms)	Verdict
GFSK	DH1	SISO	1	0.382	31.6	112	42.784	≤400	PASS
	DH3	SISO	1	1.637	31.6	57	93.309	≤400	PASS
	DH5	SISO	1	2.885	31.6	43	124.055	≤400	PASS
Pi/4DQPSK	2DH1	SISO	1	0.392	31.6	118	46.256	≤400	PASS
	2DH3	SISO	1	1.644	31.6	62	101.928	≤400	PASS
	2DH5	SISO	1	2.892	31.6	43	124.356	≤400	PASS
8DPSK	3DH1	SISO	1	0.393	31.6	107	42.051	≤400	PASS
	3DH3	SISO	1	1.643	31.6	58	95.294	≤400	PASS
	3DH5	SISO	1	2.893	31.6	56	162.008	≤400	PASS

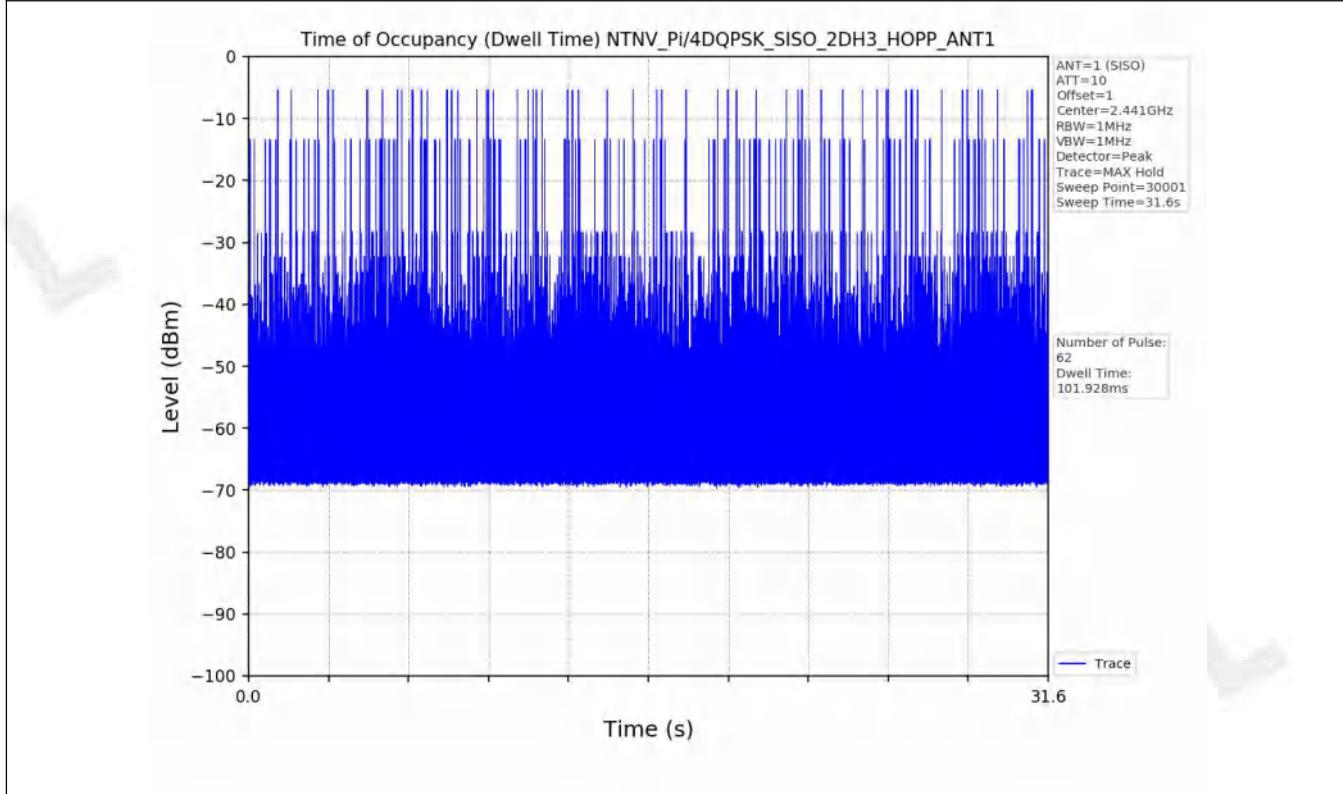
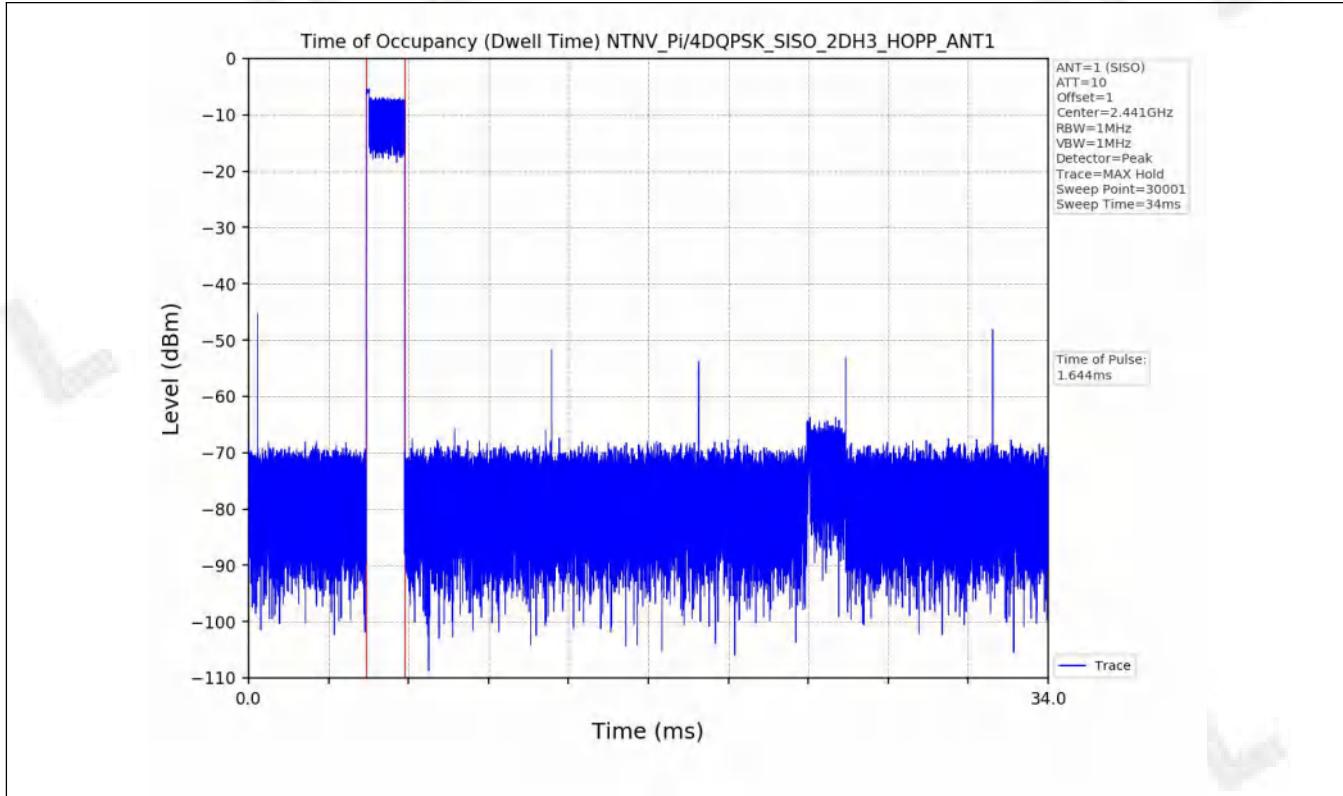
### 5.2 Test Graph

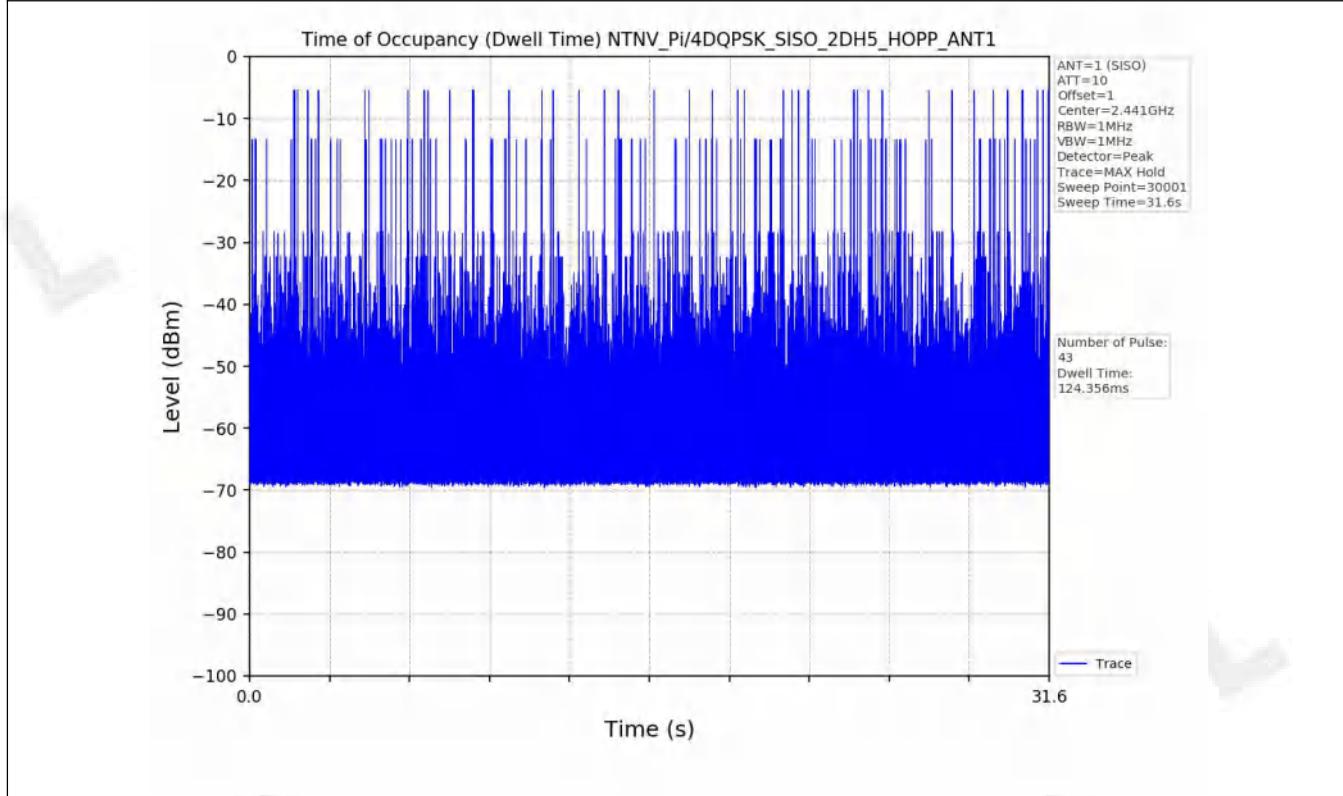
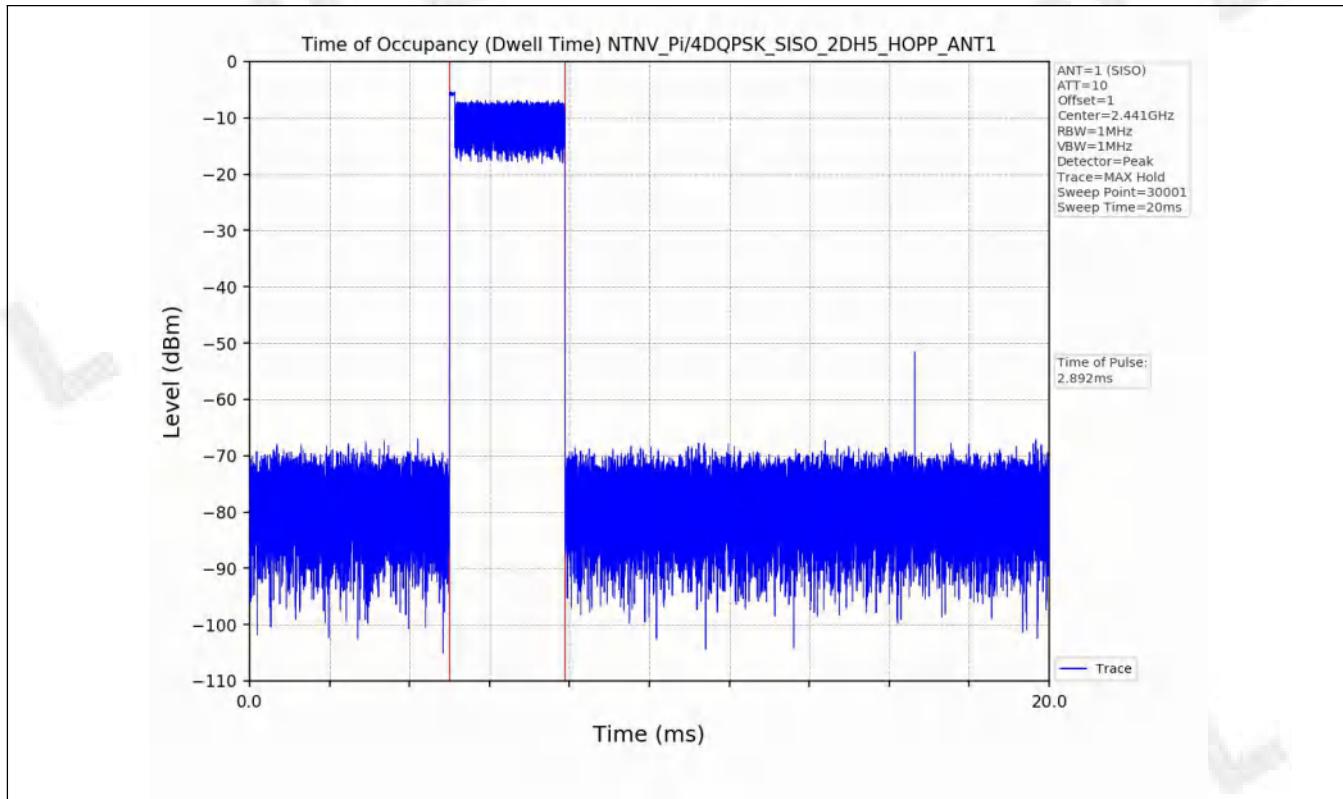


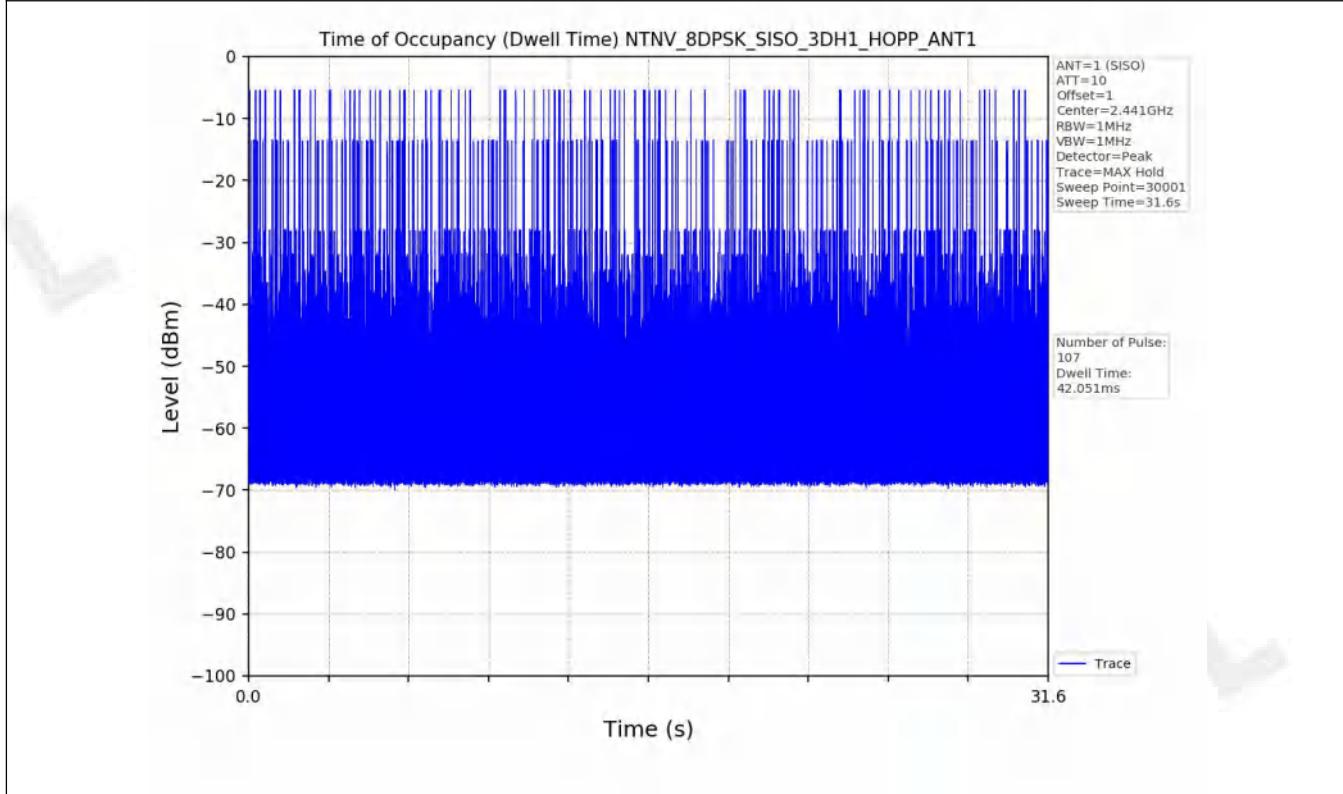
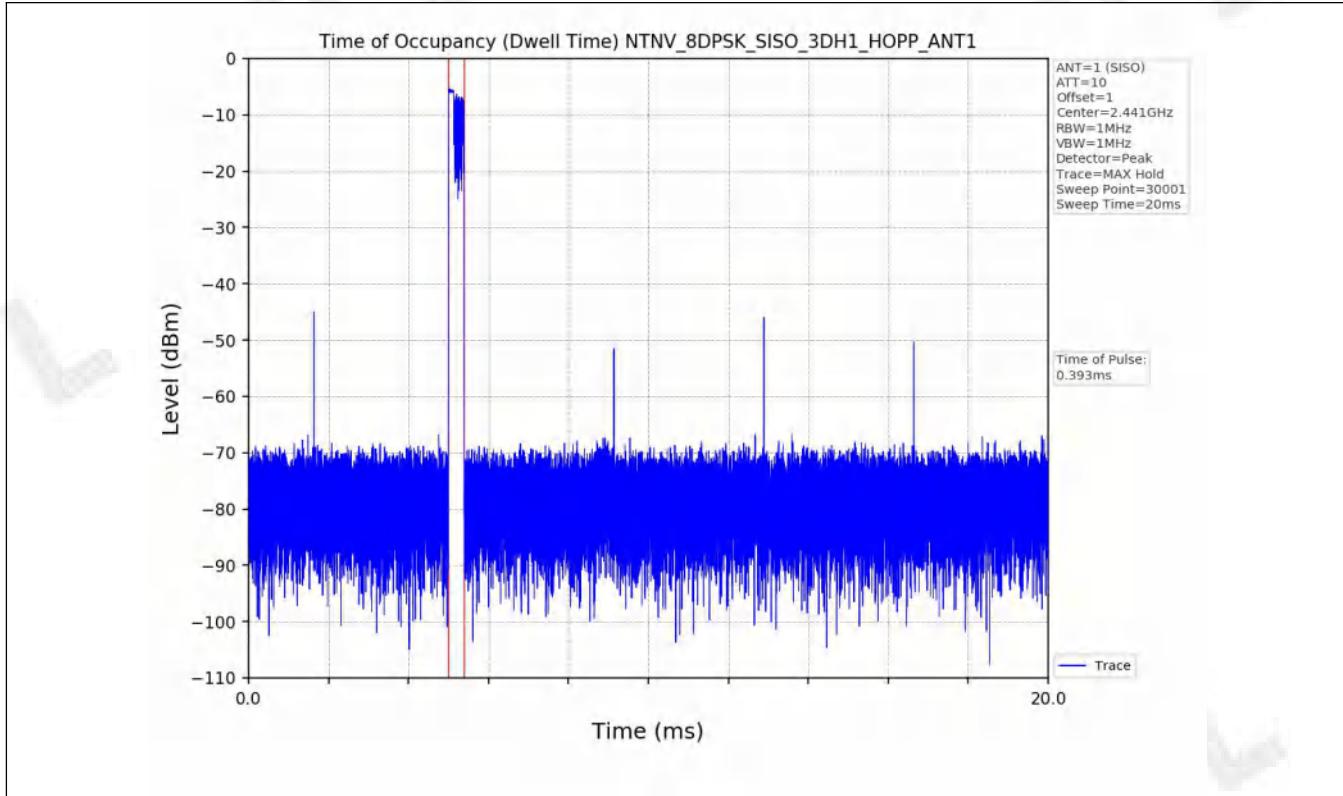


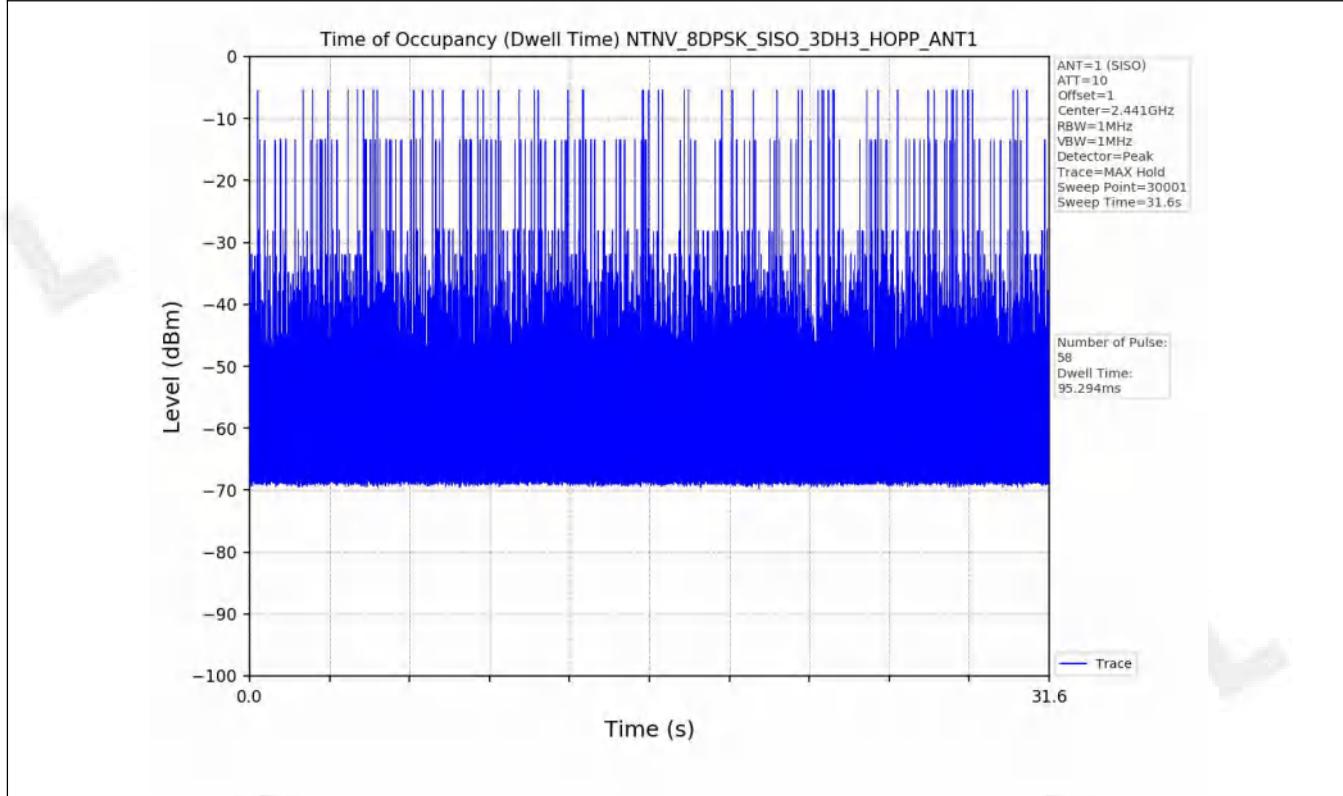
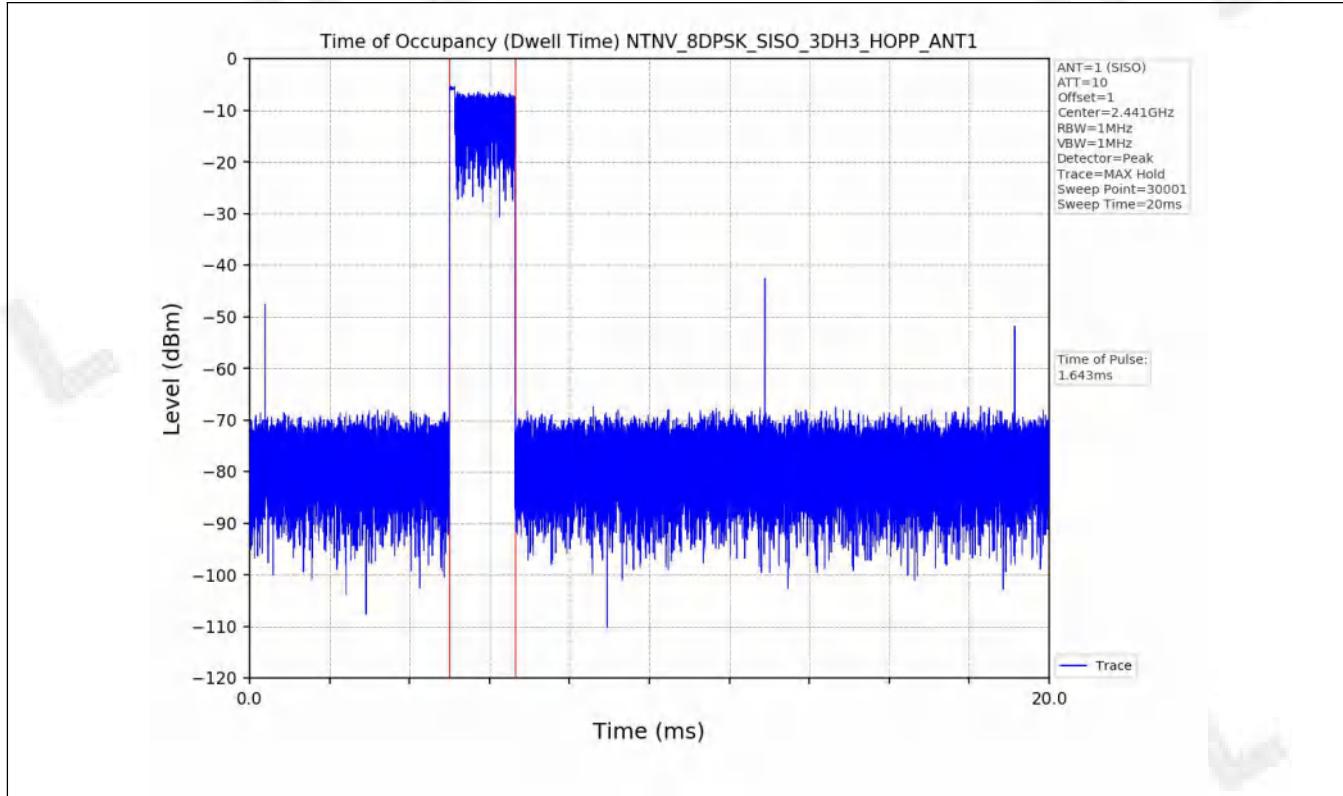


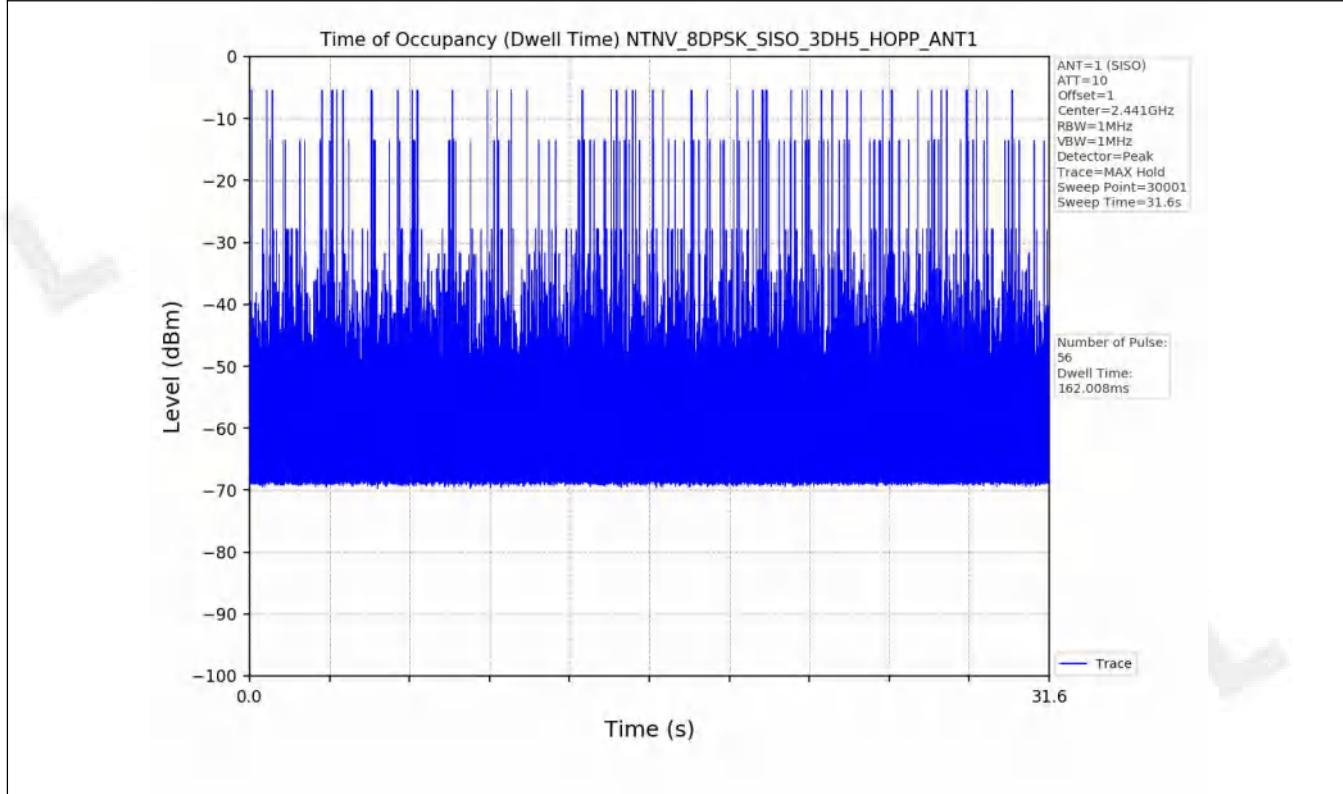
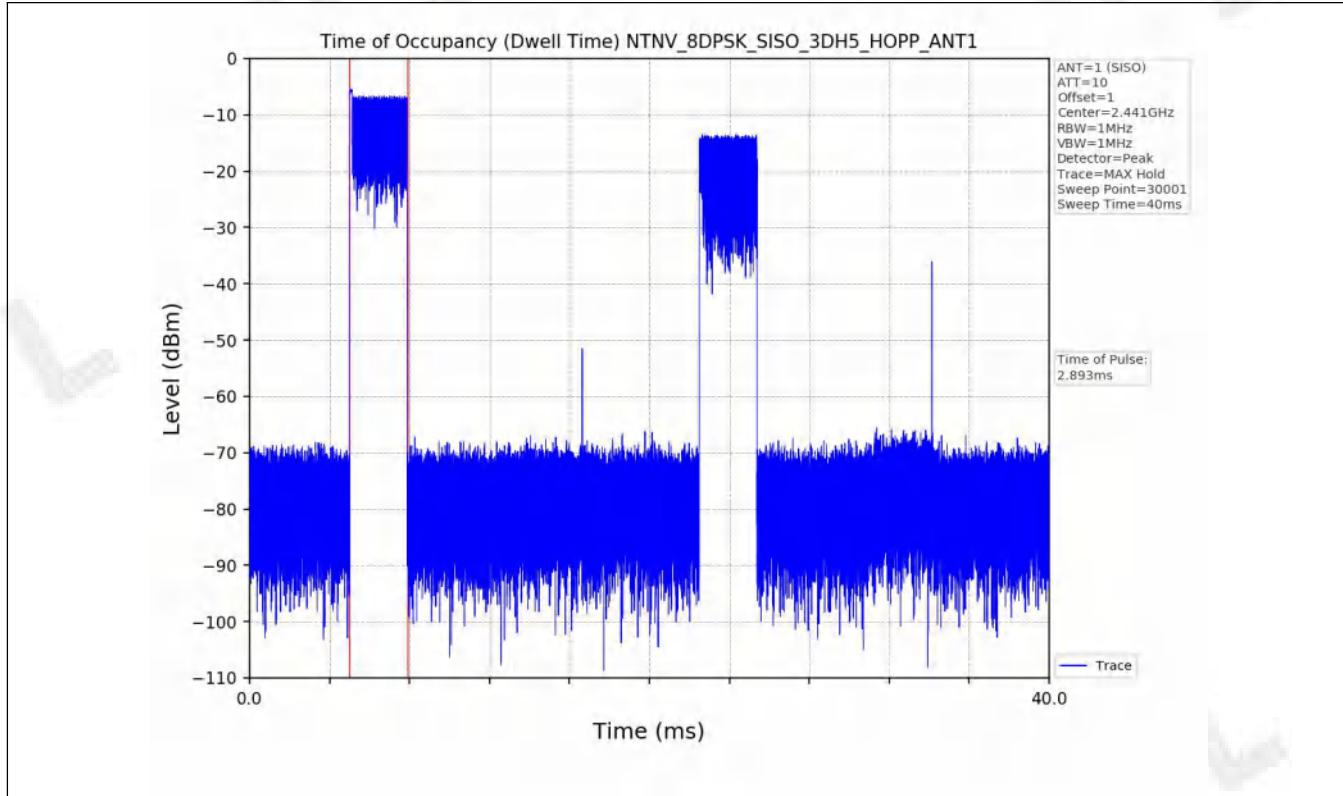












## 6. Unwanted Emissions in Non-restricted Frequency Bands

### 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	-25.29	PASS
	2441	SISO	1	Refer to test graph	-25.29	PASS
	2480	SISO	1	Refer to test graph	-25.29	PASS
	Hopping	SISO	1	Refer to test graph	-25.29	PASS
Pi/4DQPSK	2402	SISO	1	Refer to test graph	-25.49	PASS
	2441	SISO	1	Refer to test graph	-25.49	PASS
	2480	SISO	1	Refer to test graph	-25.49	PASS
	Hopping	SISO	1	Refer to test graph	-25.49	PASS
8DPSK	2402	SISO	1	Refer to test graph	-25.30	PASS
	2441	SISO	1	Refer to test graph	-25.30	PASS
	2480	SISO	1	Refer to test graph	-25.30	PASS
	Hopping	SISO	1	Refer to test graph	-25.30	PASS

### 6.2 Test Graph

