

## Appendix for 15.247

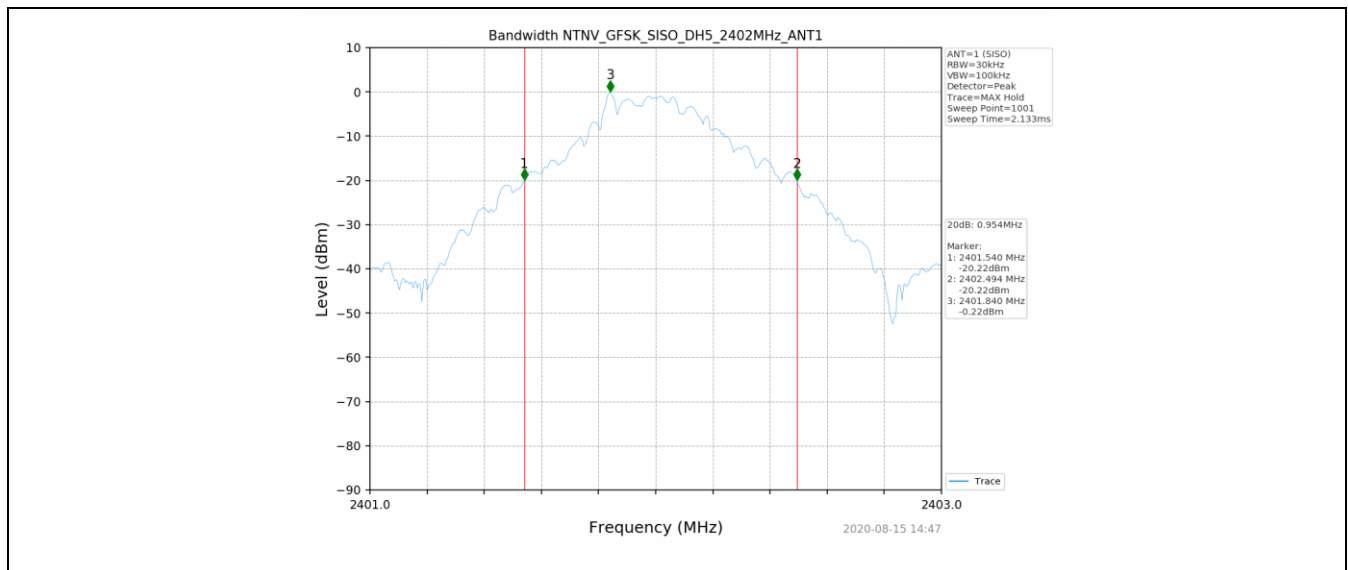
### 1. Bandwidth

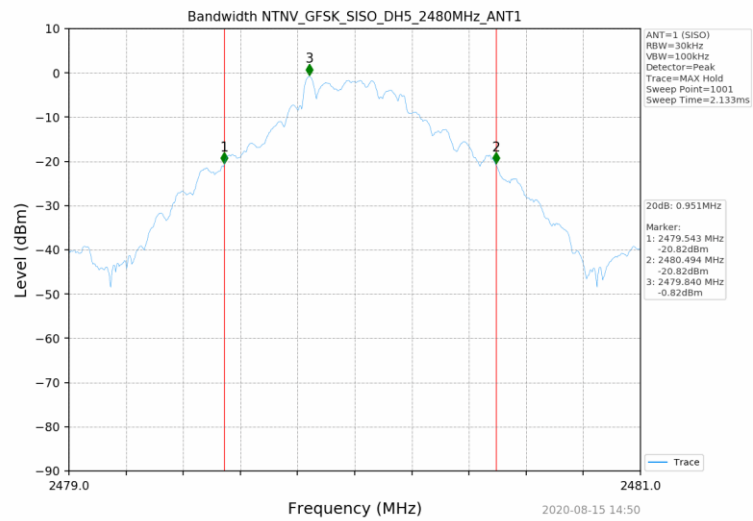
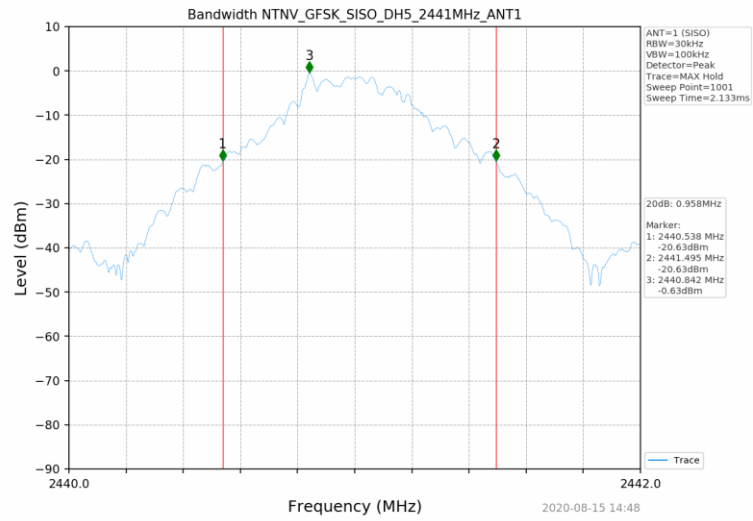
#### 1.1 Test Result

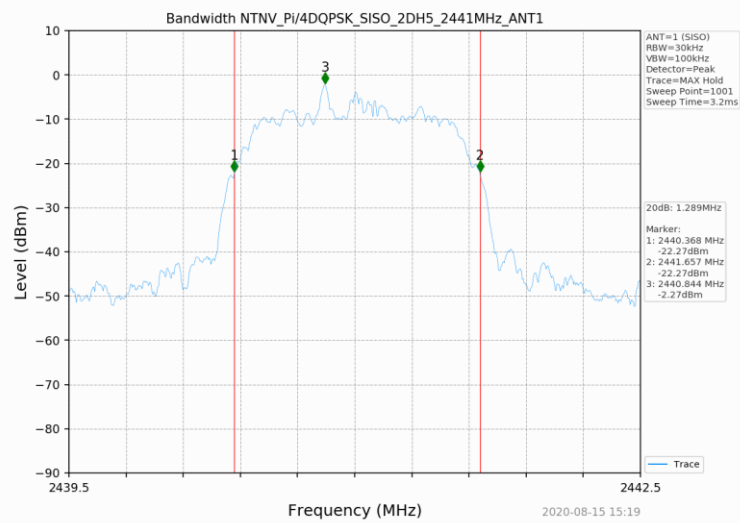
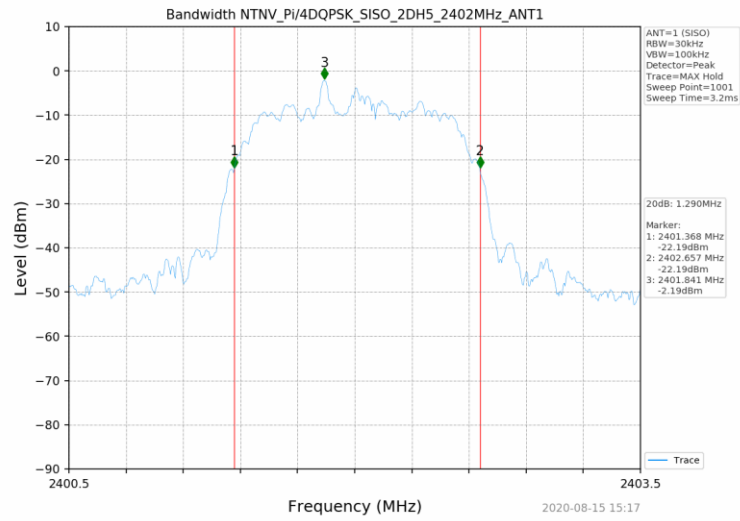
Test Mode	Frequency (MHz)	TX Type	ANT No.	20dB Bandwidth	Verdict
				Test Result (MHz)	
GFSK	2402	SISO	1	0.954	PASS
	2441	SISO	1	0.958	PASS
	2480	SISO	1	0.951	PASS
Pi/4DQPSK	2402	SISO	1	1.290	PASS
	2441	SISO	1	1.289	PASS
	2480	SISO	1	1.327	PASS
8DPSK	2402	SISO	1	1.298	PASS
	2441	SISO	1	1.297	PASS
	2480	SISO	1	1.301	PASS

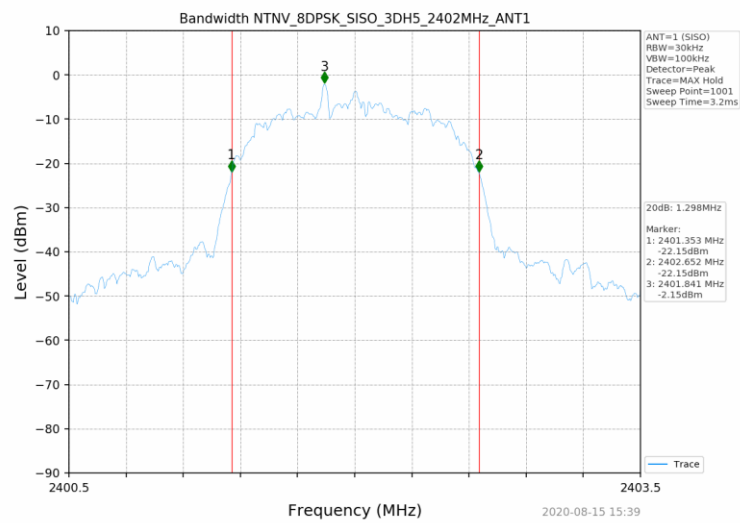
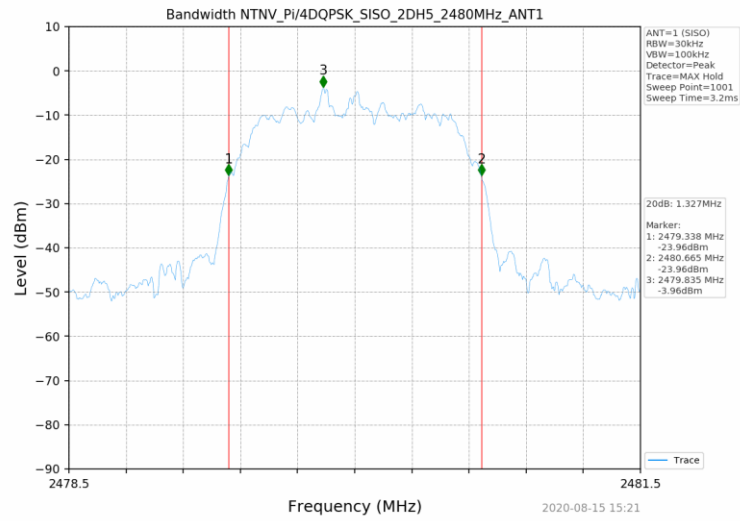
Test Mode	Frequency (MHz)	TX Type	ANT No.	99% Occupied Bandwidth	Verdict
				Test Result (MHz)	
GFSK	2402	SISO	1	0.885	Only for Report Use
	2441	SISO	1	0.890	Only for Report Use
	2480	SISO	1	0.887	Only for Report Use
Pi/4DQPSK	2402	SISO	1	1.181	Only for Report Use
	2441	SISO	1	1.179	Only for Report Use
	2480	SISO	1	1.179	Only for Report Use
8DPSK	2402	SISO	1	1.187	Only for Report Use
	2441	SISO	1	1.188	Only for Report Use
	2480	SISO	1	1.192	Only for Report Use

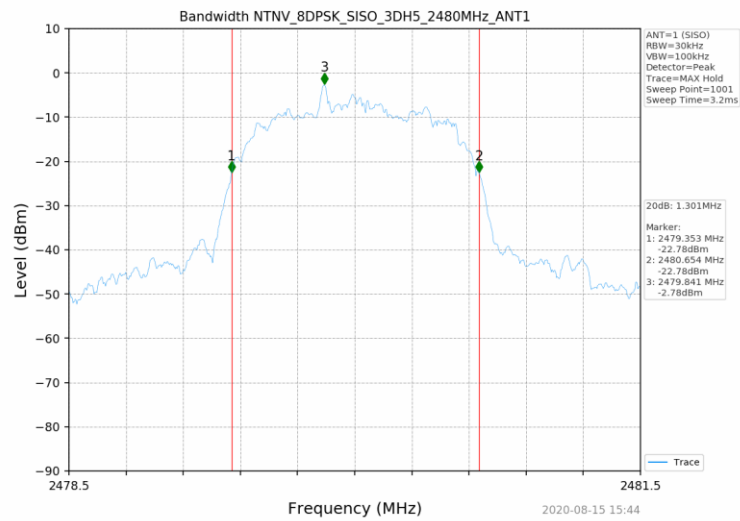
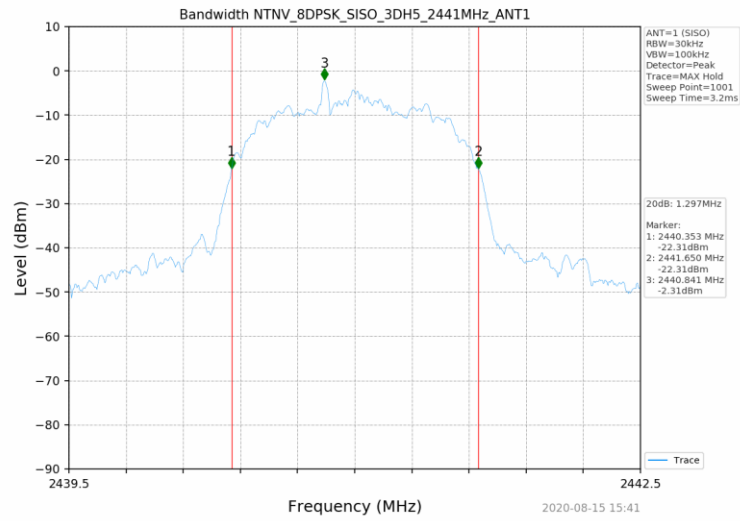
#### 1.2 Test Graph - 20dB Bandwidth



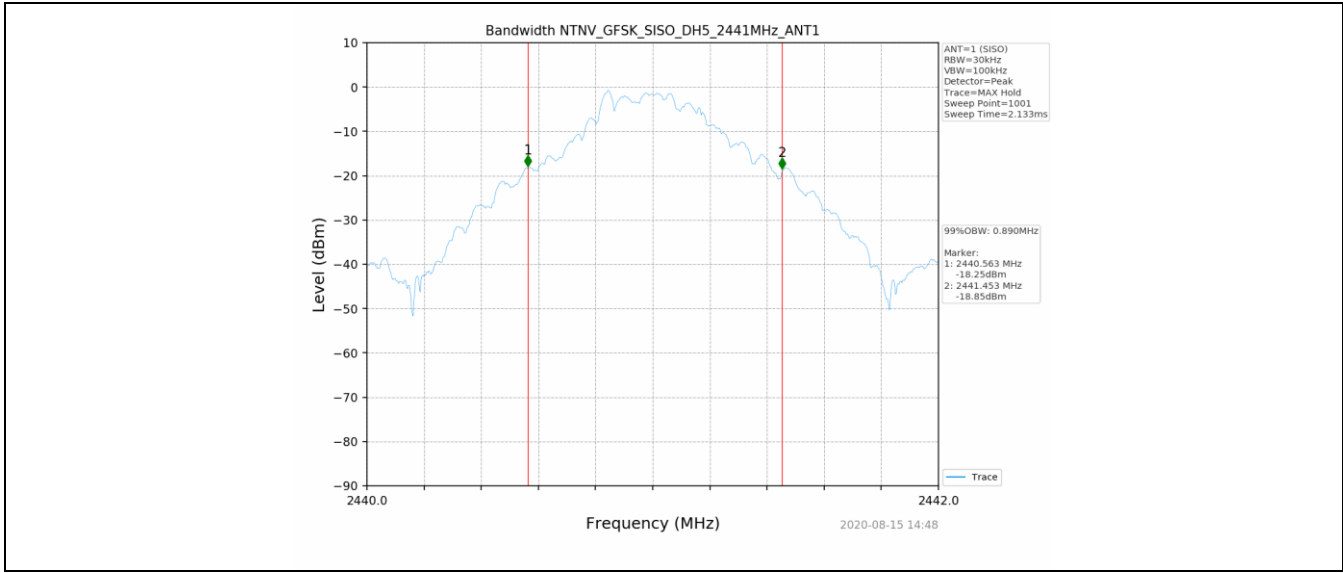
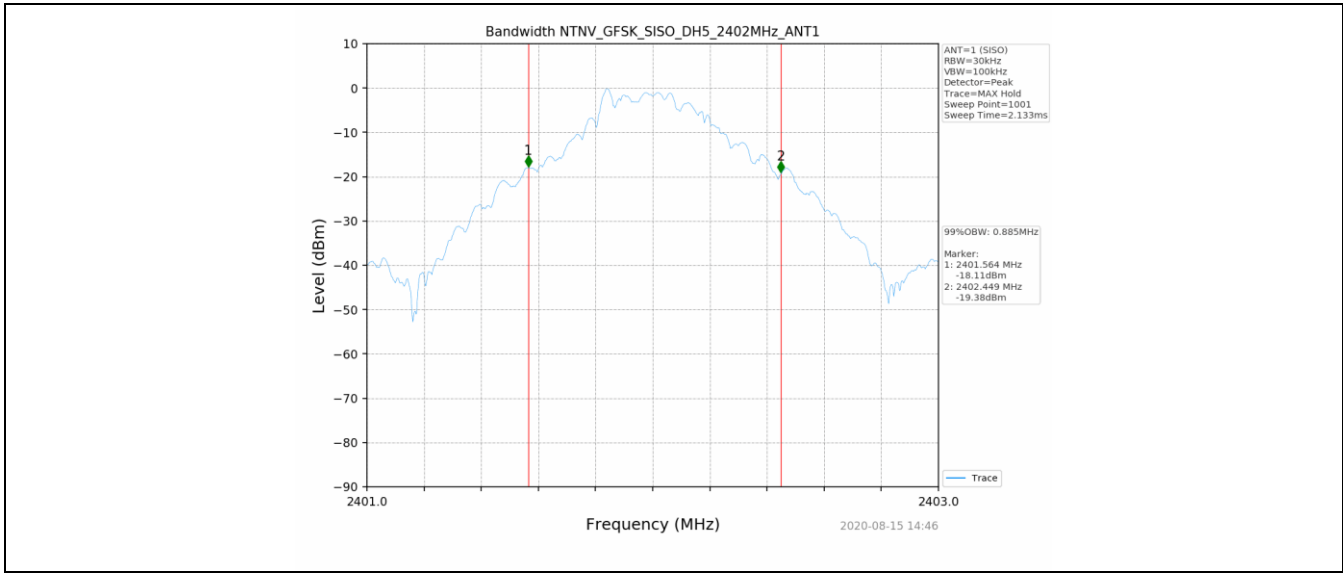


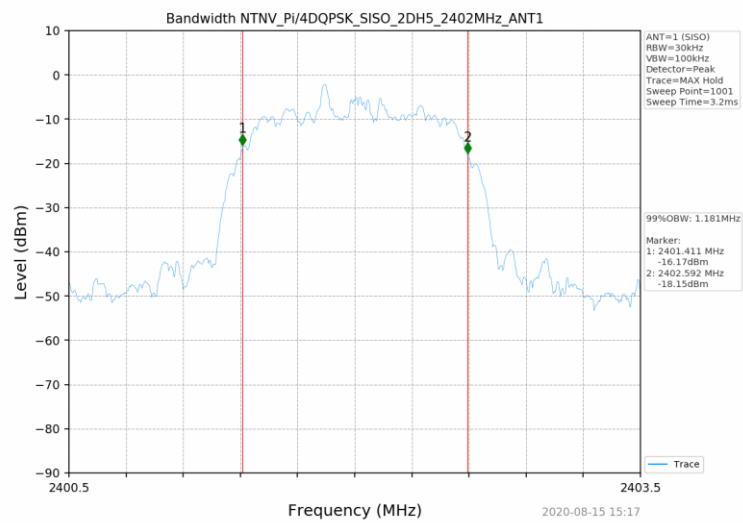
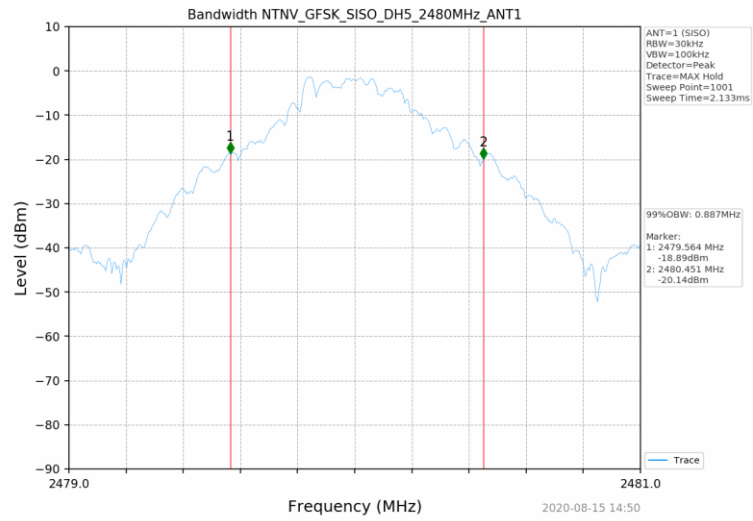


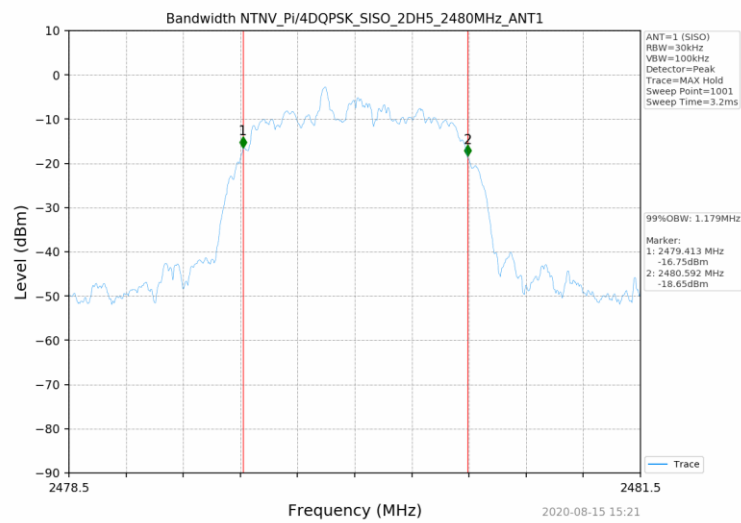
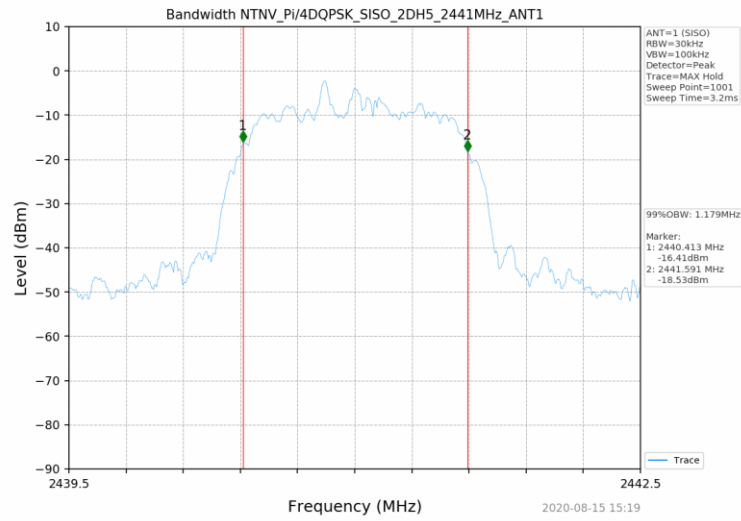




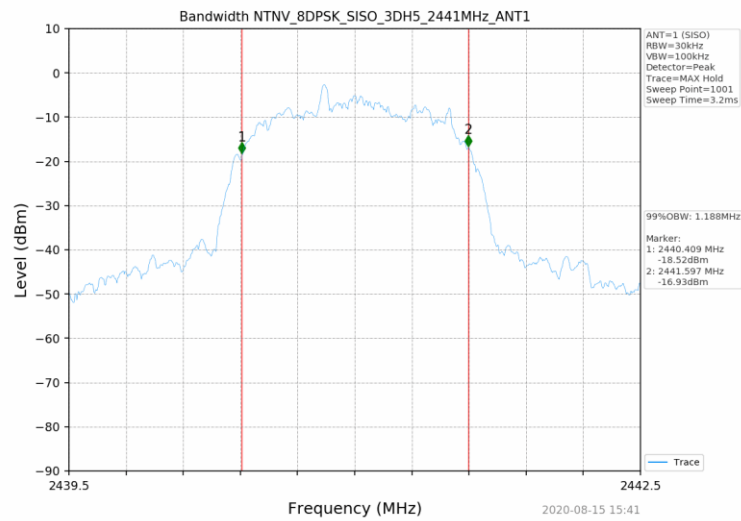
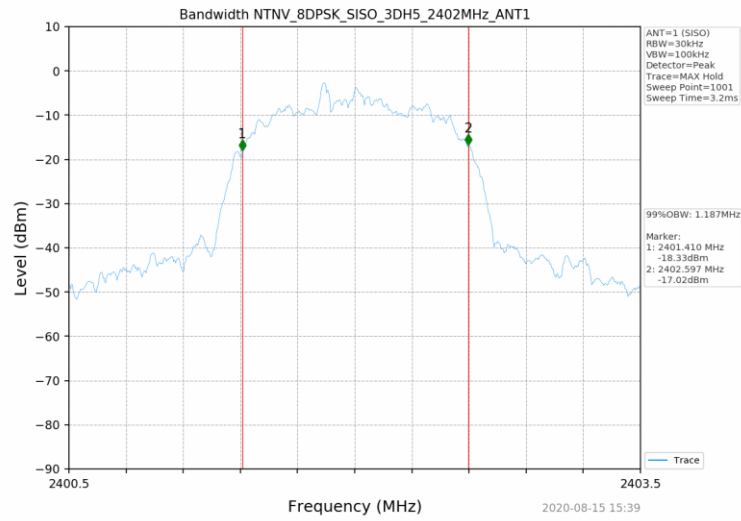
1.3 Test Graph - 99% Occupied Bandwidth

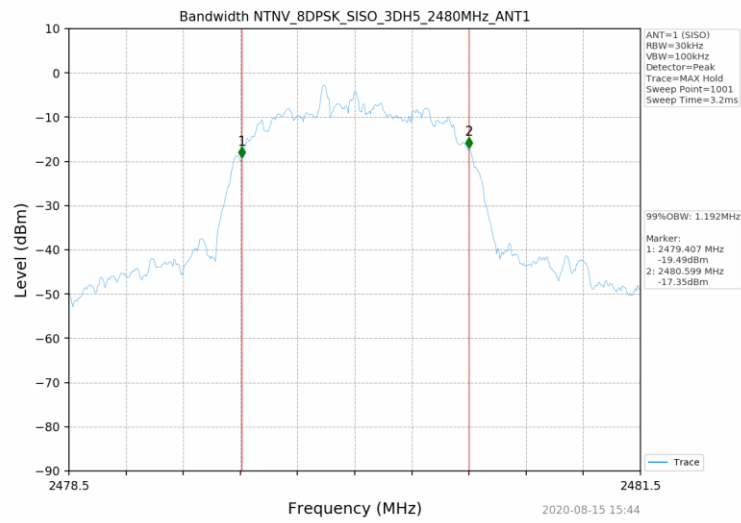










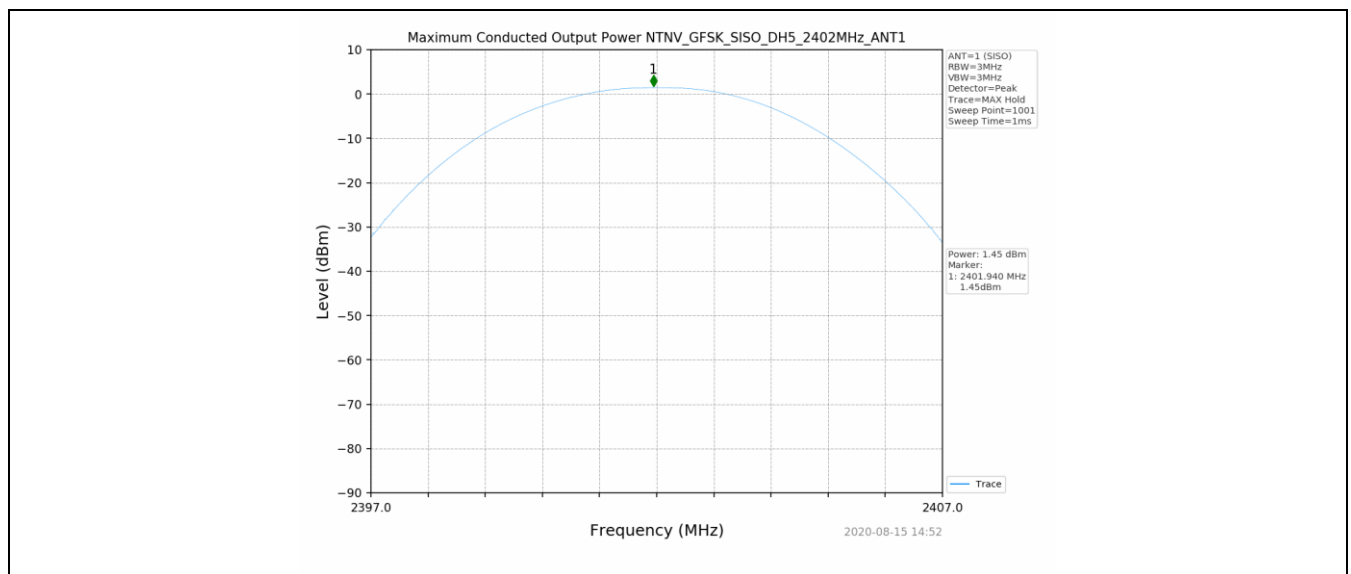


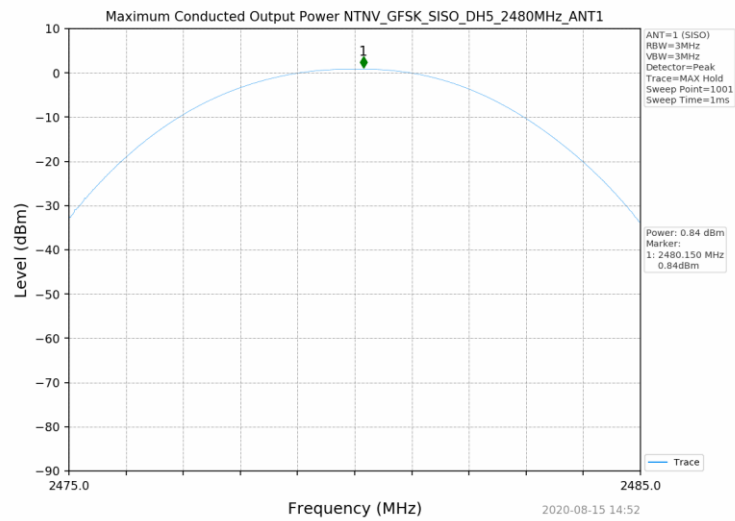
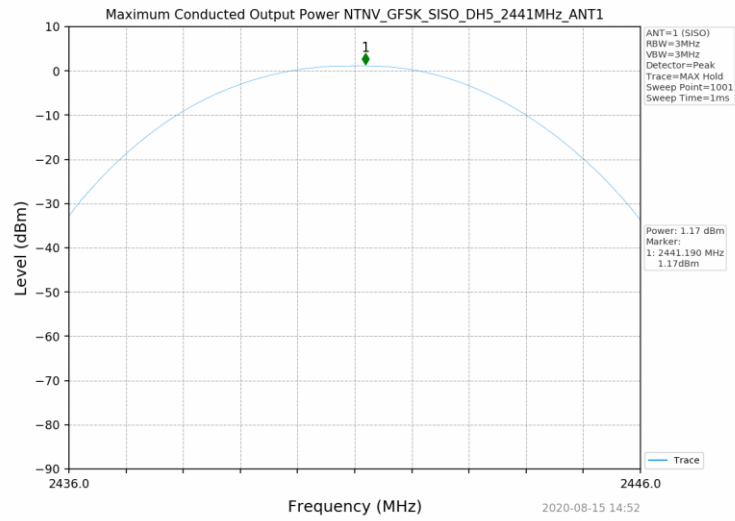
## 2. Maximum Conducted Output Power

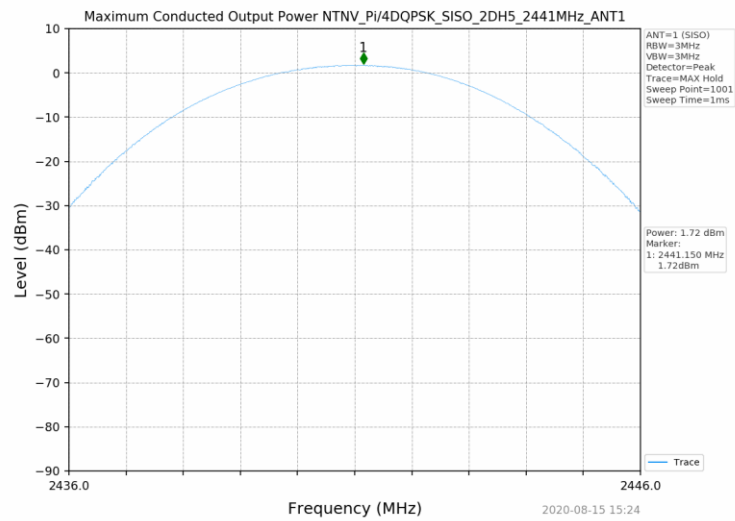
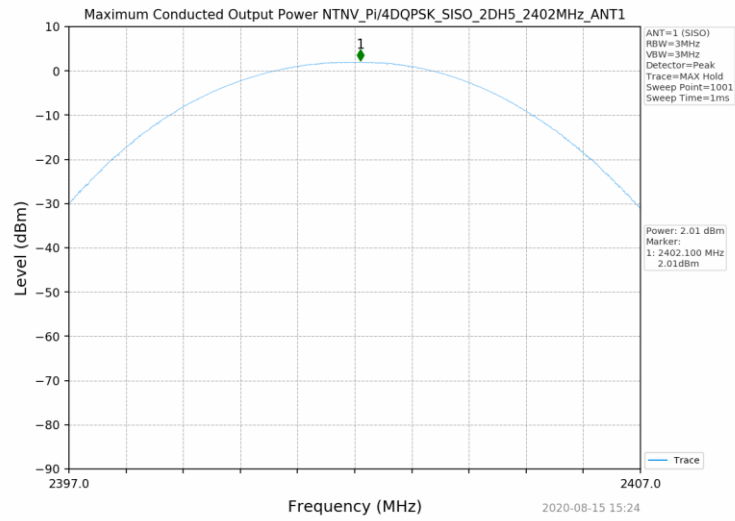
### 2.1 Test Result

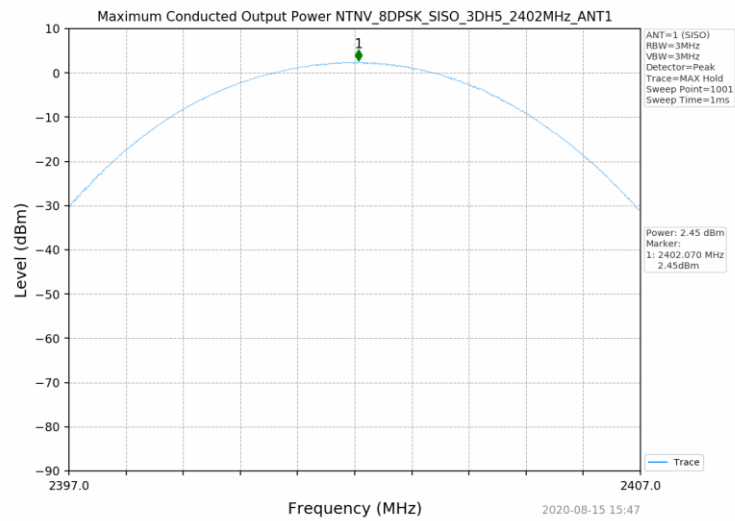
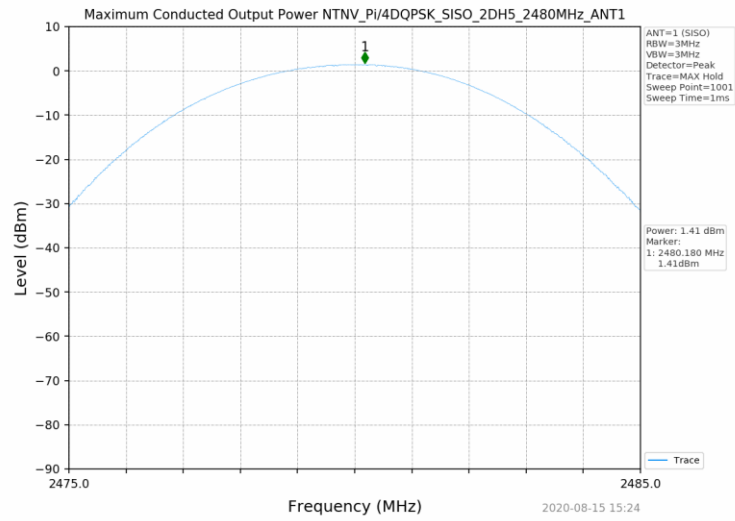
Test Mode	Frequency (MHz)	Tx Type	Measured Peak Output Power (dBm)	Limits (dBm)	Verdict
			Ant 1		
GFSK	2402	SISO	1.45	30	PASS
	2441	SISO	1.17	30	PASS
	2480	SISO	0.84	30	PASS
Pi/4DQPSK	2402	SISO	2.01	20.97	PASS
	2441	SISO	1.72	20.97	PASS
	2480	SISO	1.41	20.97	PASS
8DPSK	2402	SISO	2.45	20.97	PASS
	2441	SISO	2.25	20.97	PASS
	2480	SISO	1.93	20.97	PASS

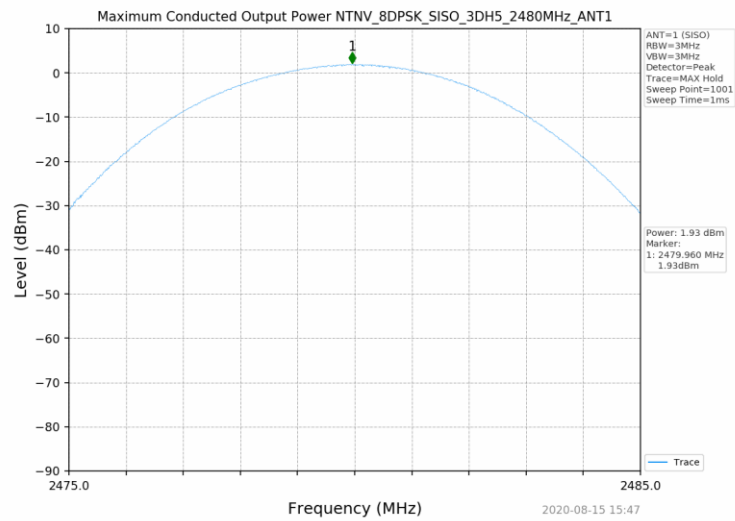
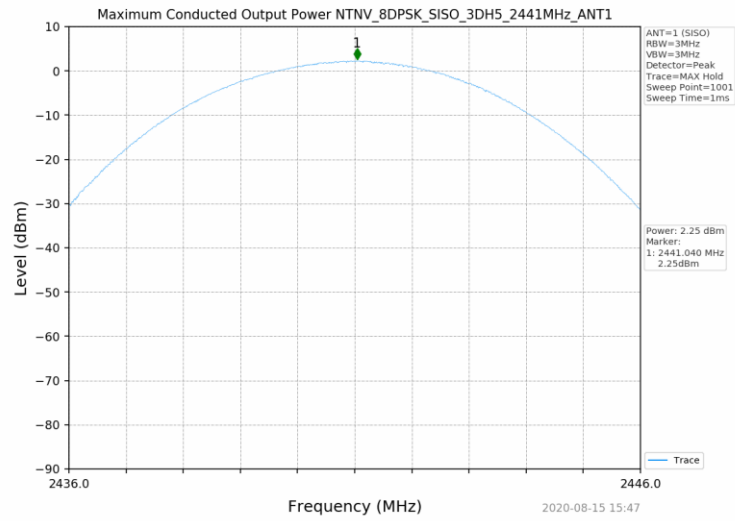
### 2.2 Test Graph









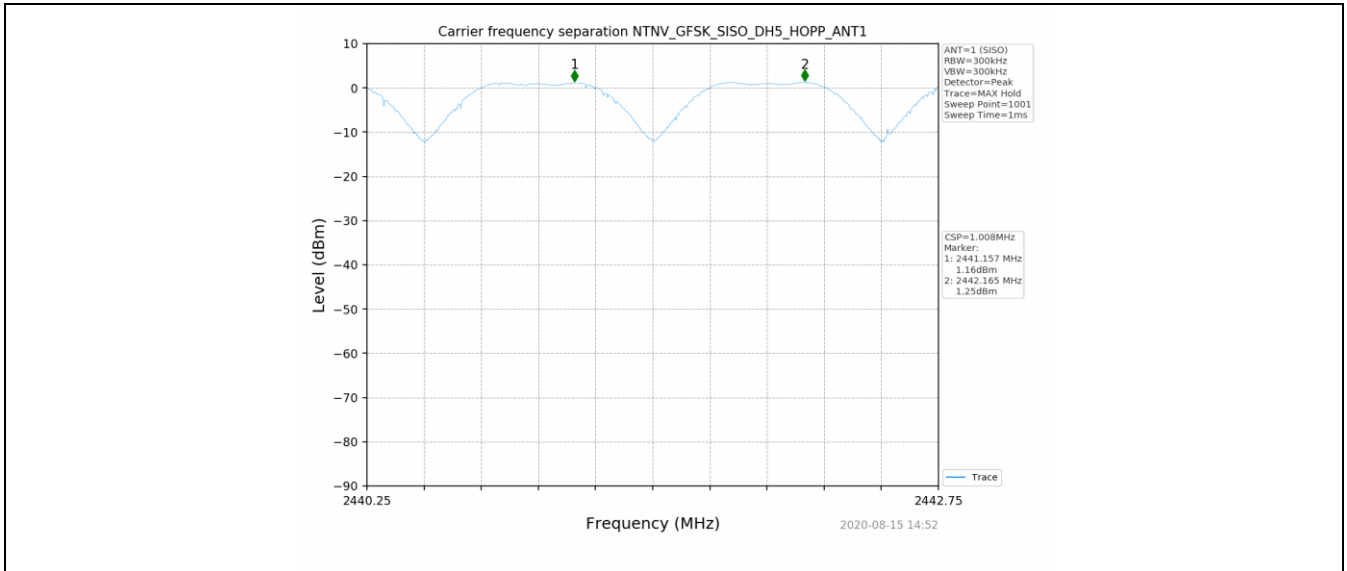


### 3. Carrier frequency separation

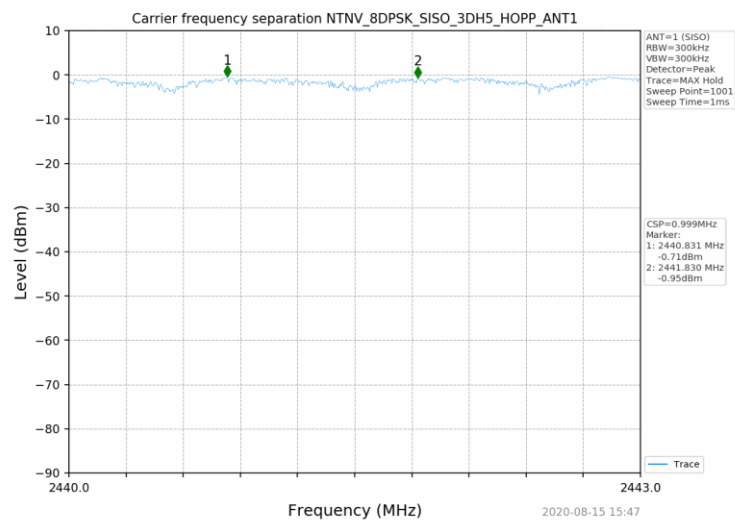
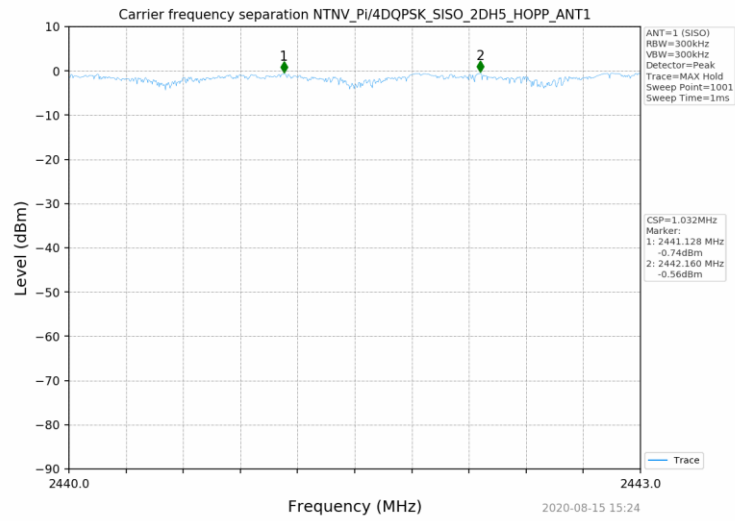
#### 3.1 Test Result

Test Mode	TX Type	ANT No.	Channel Separation (MHz)	20dB Bandwidth (MHz)	Limits (MHz)	Verdict
GFSK	SISO	1	1.008	0.958	$\geq 0.958$	PASS
Pi/4DQPSK	SISO	1	1.032	1.327	$\geq 0.885$	PASS
8DPSK	SISO	1	0.999	1.301	$\geq 0.867$	PASS

#### 3.2 Test Graph





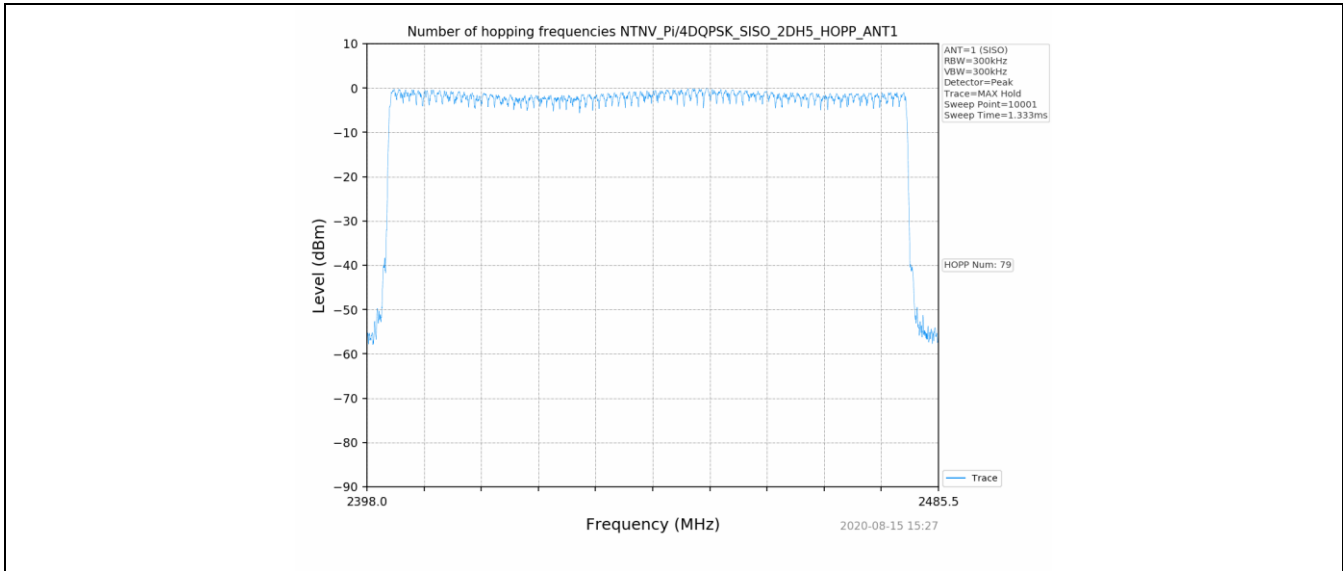
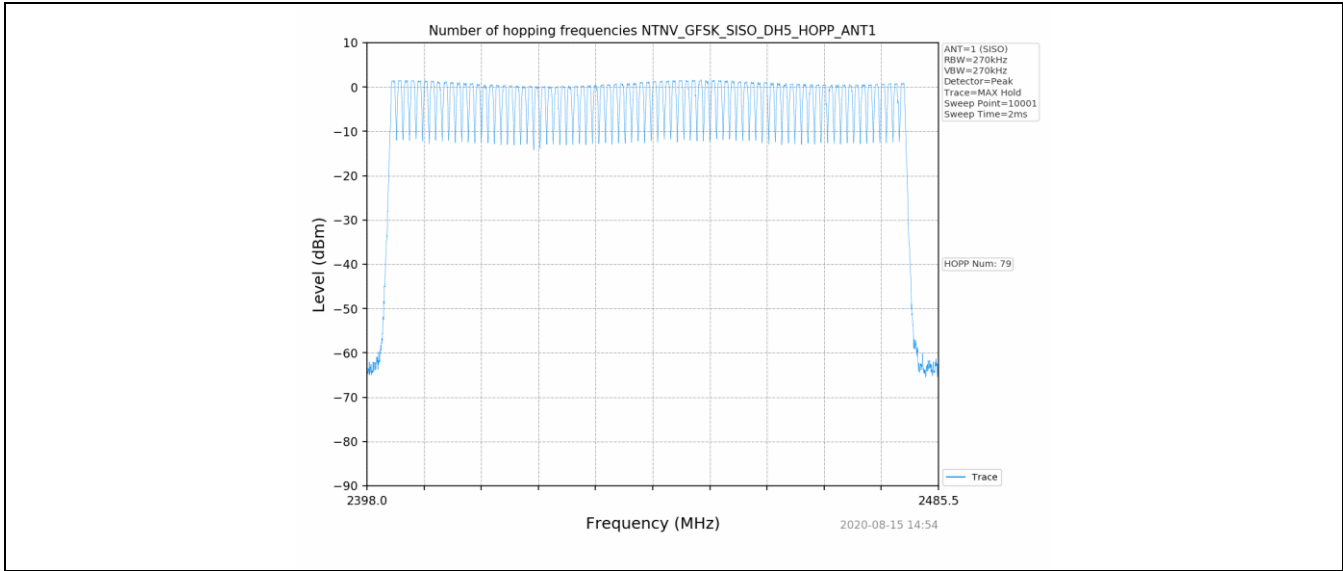


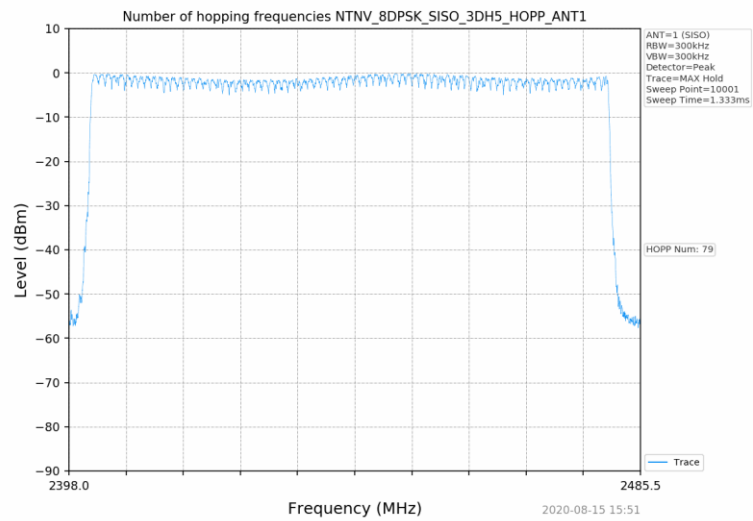
## 4. Number of hopping frequencies

### 4.1 Test Result

Test Mode	TX Type	ANT No.	Num of Hopping Frequencies	Limits	Verdict
GFSK	SISO	1	79	$\geq 15$	PASS
Pi/4DQPSK	SISO	1	79	$\geq 15$	PASS
8DPSK	SISO	1	79	$\geq 15$	PASS

### 4.2 Test Graph



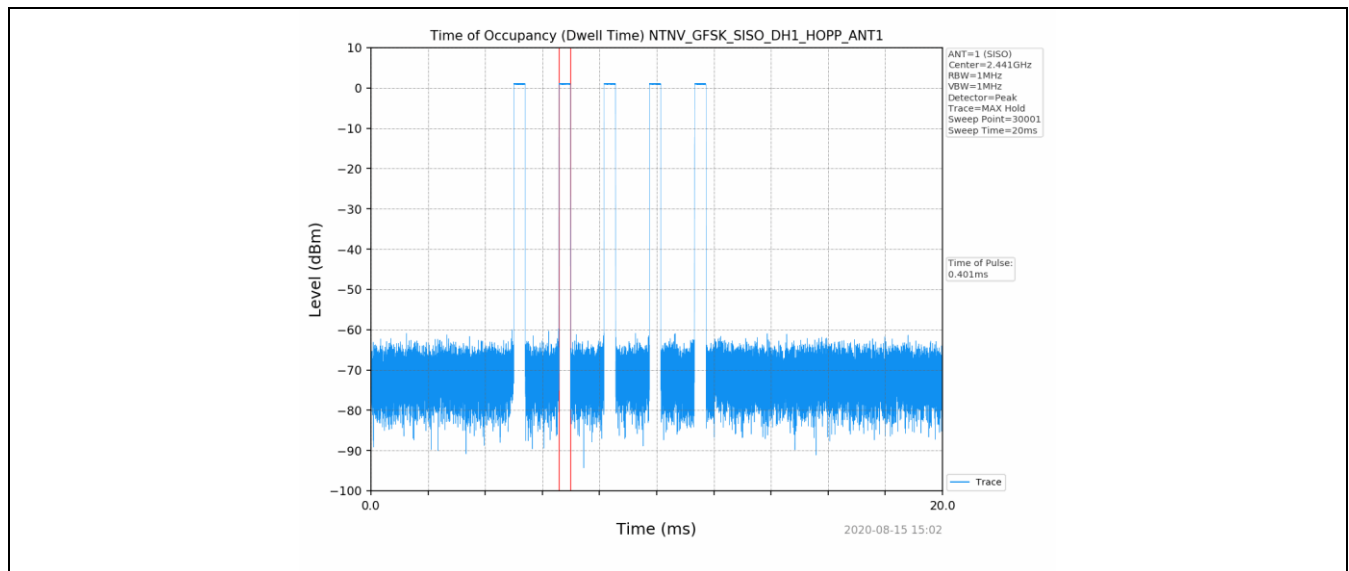


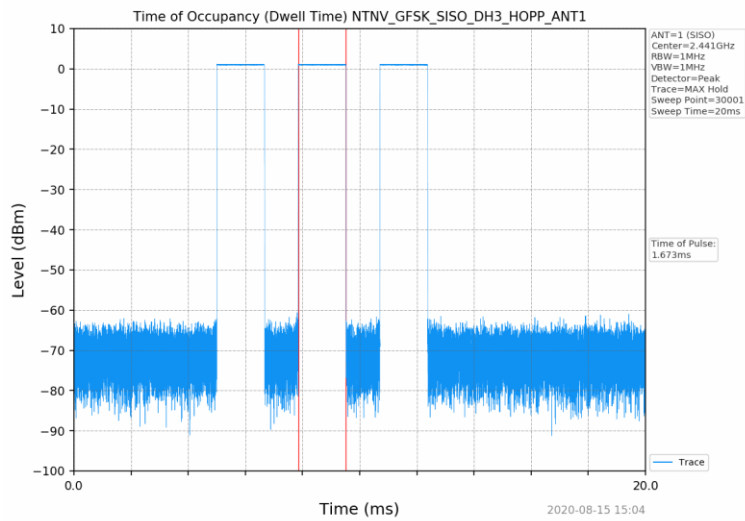
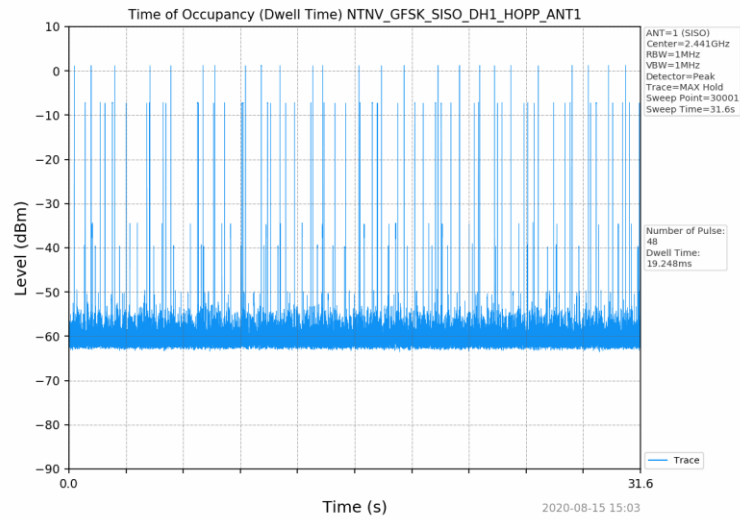
## 5. Time of Occupancy (Dwell Time)

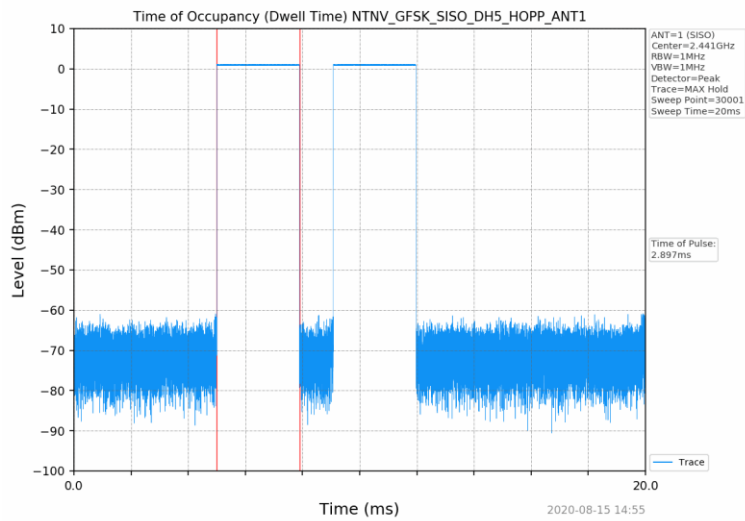
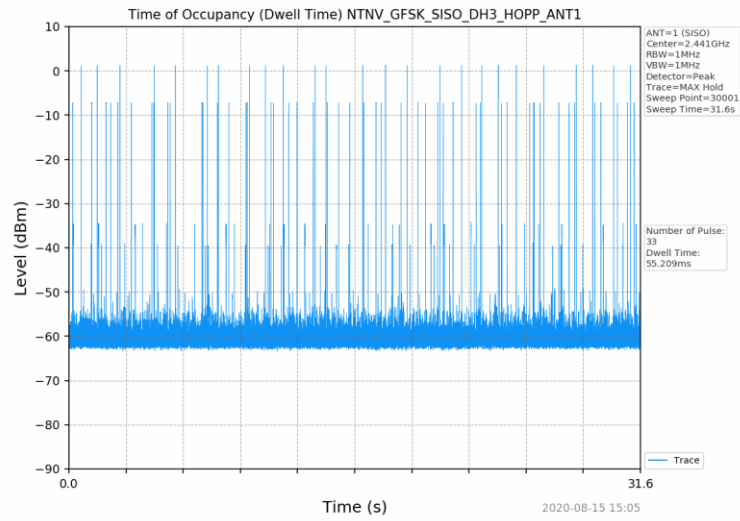
### 5.1 Test Result

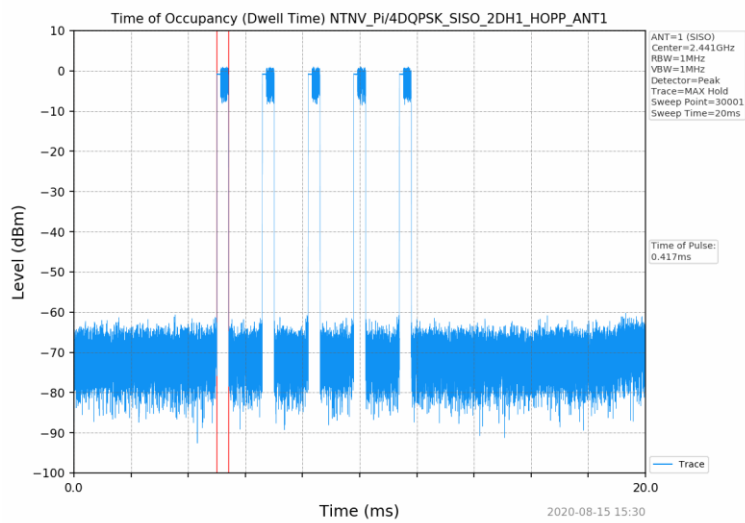
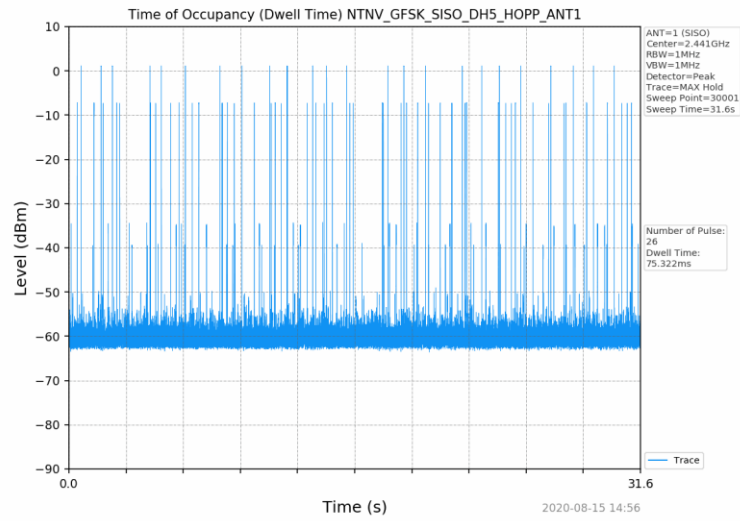
Test Mode	Pack et Type	TX Type	ANT No.	Duration of Single Pulse (ms)	Obeser vation Period (s)	Num of Pulse in Observation Period	Dwell Time (ms)	Limits (ms)	Verdict
GFSK	DH1	SISO	1	0.401	31.6	48	19.248	≤400	PASS
	DH3	SISO	1	1.673	31.6	33	55.209	≤400	PASS
	DH5	SISO	1	2.897	31.6	26	75.322	≤400	PASS
Pi/4DQ PSK	2DH1	SISO	1	0.417	31.6	41	17.097	≤400	PASS
	2DH3	SISO	1	1.689	31.6	29	48.981	≤400	PASS
	2DH5	SISO	1	2.914	31.6	29	84.506	≤400	PASS
8DPSK	3DH1	SISO	1	0.417	31.6	38	15.846	≤400	PASS
	3DH3	SISO	1	1.689	31.6	35	59.115	≤400	PASS
	3DH5	SISO	1	2.913	31.6	26	75.738	≤400	PASS

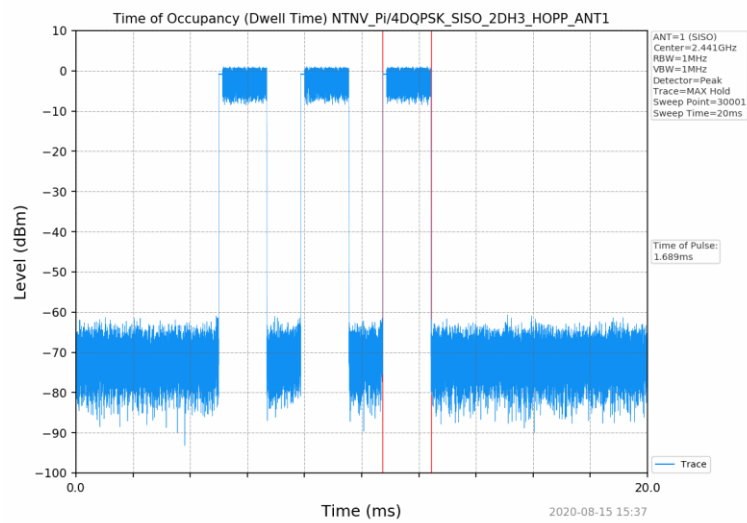
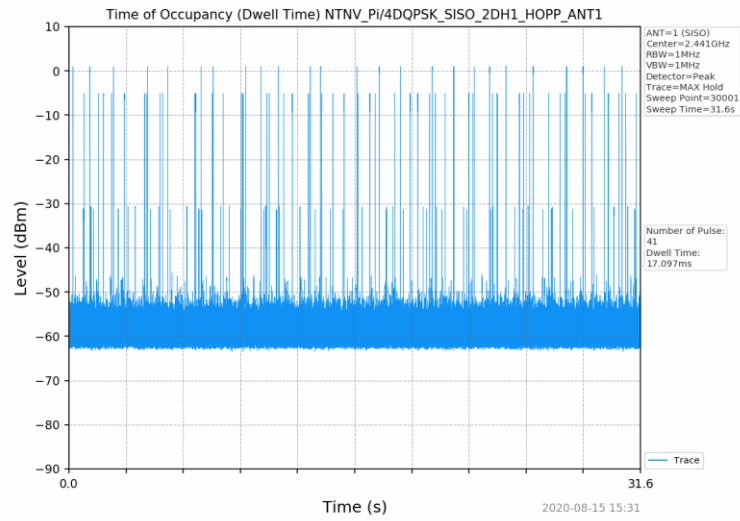
### 5.2 Test Graph



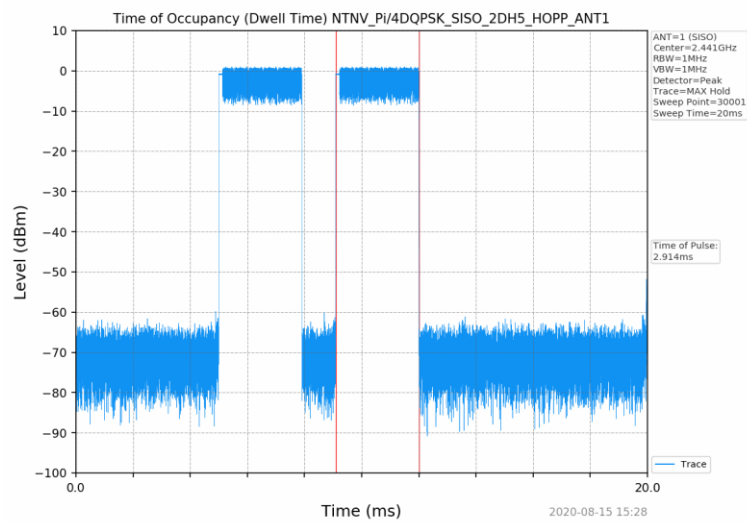
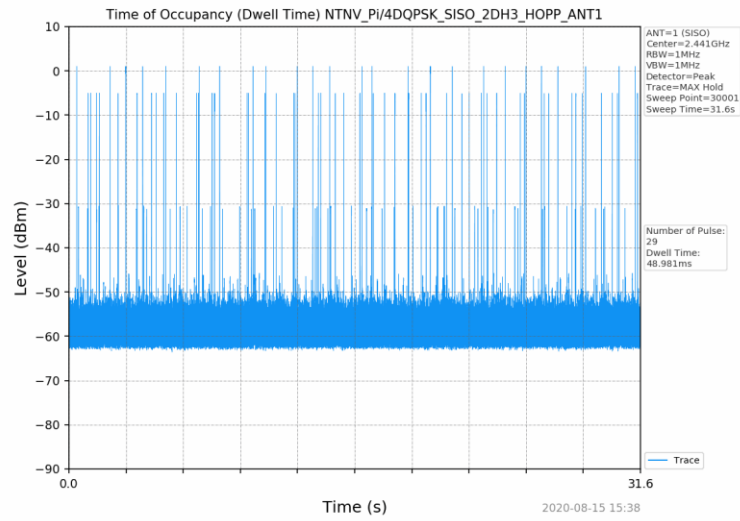


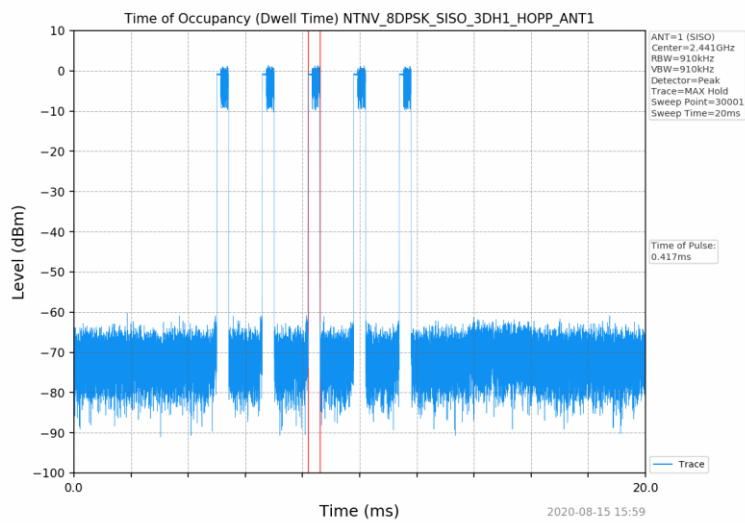
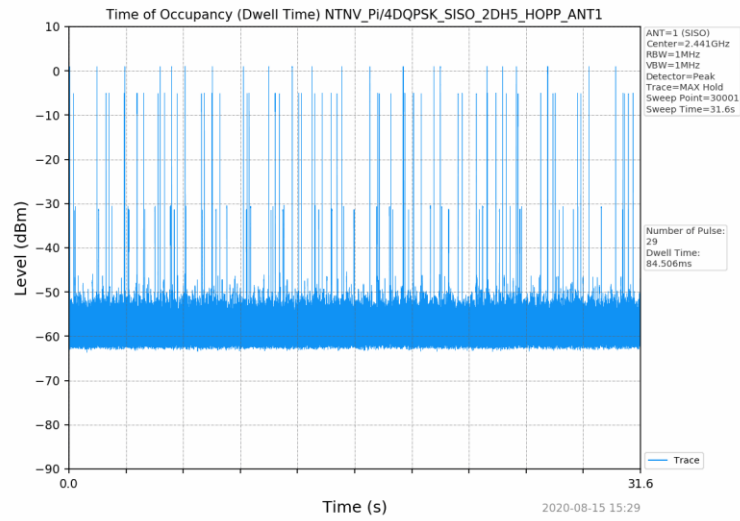


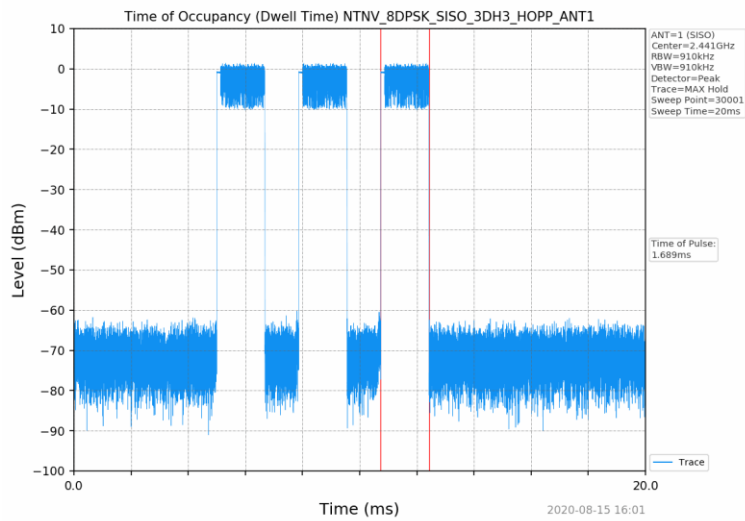
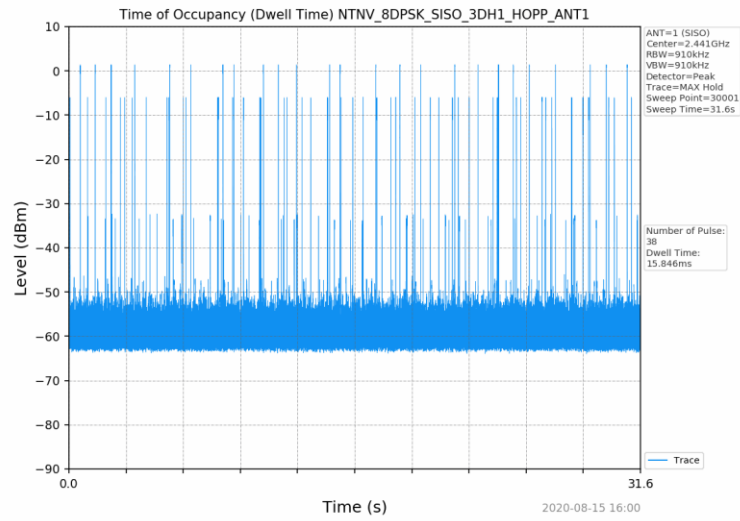


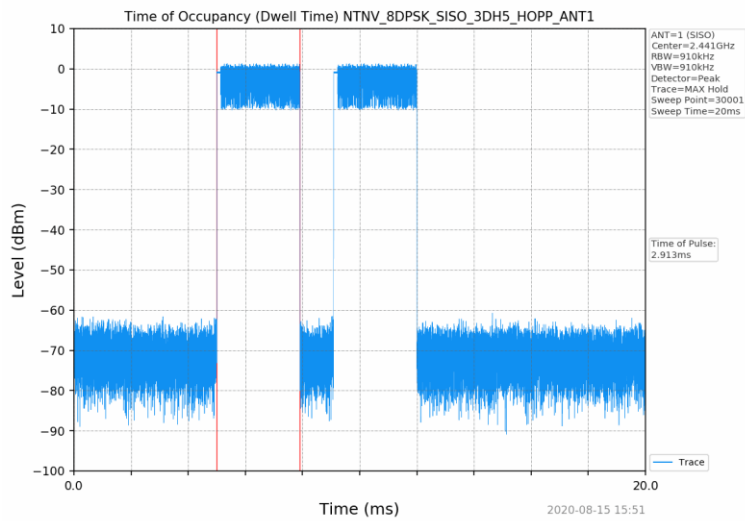
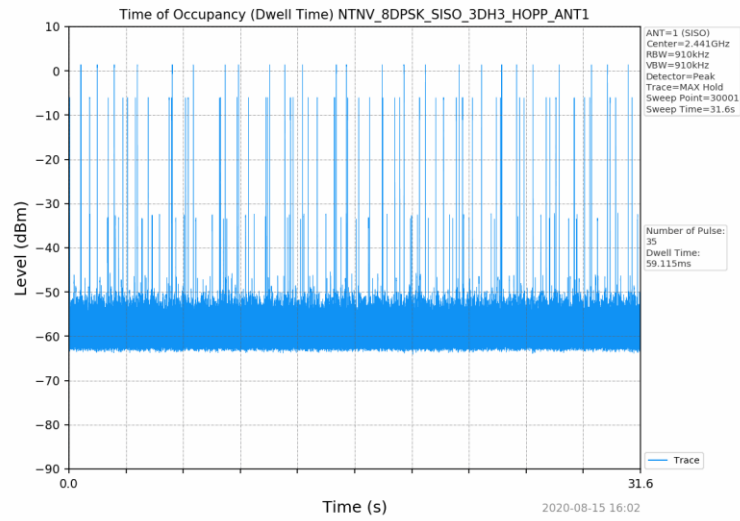


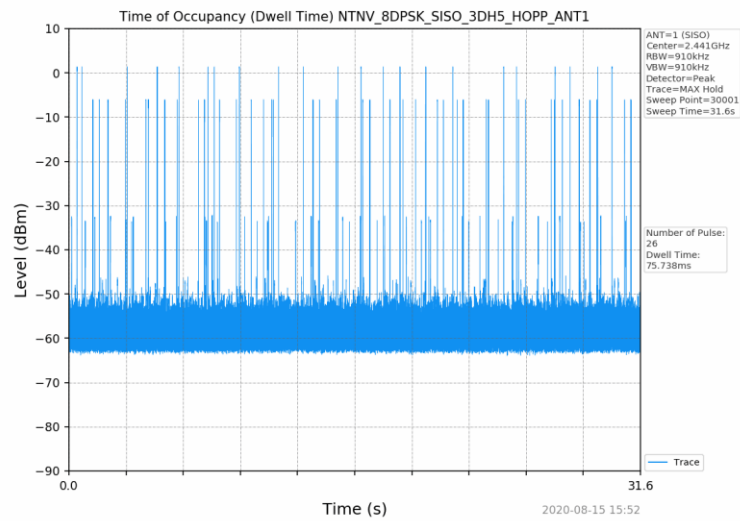












## 6. Unwanted Emissions in Non-restricted Frequency Bands

### 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	-18.54	PASS
	2441	SISO	1	Refer to test graph	-18.54	PASS
	2480	SISO	1	Refer to test graph	-18.54	PASS
	Hopping	SISO	1	Refer to test graph	-18.54	PASS
Pi/4DQPSK	2402	SISO	1	Refer to test graph	-20.39	PASS
	2441	SISO	1	Refer to test graph	-20.39	PASS
	2480	SISO	1	Refer to test graph	-20.39	PASS
	Hopping	SISO	1	Refer to test graph	-20.39	PASS
8DPSK	2402	SISO	1	Refer to test graph	-20.67	PASS
	2441	SISO	1	Refer to test graph	-20.67	PASS
	2480	SISO	1	Refer to test graph	-20.67	PASS
	Hopping	SISO	1	Refer to test graph	-20.67	PASS

### 6.2 Test Graph

