

Appendix for 15.247

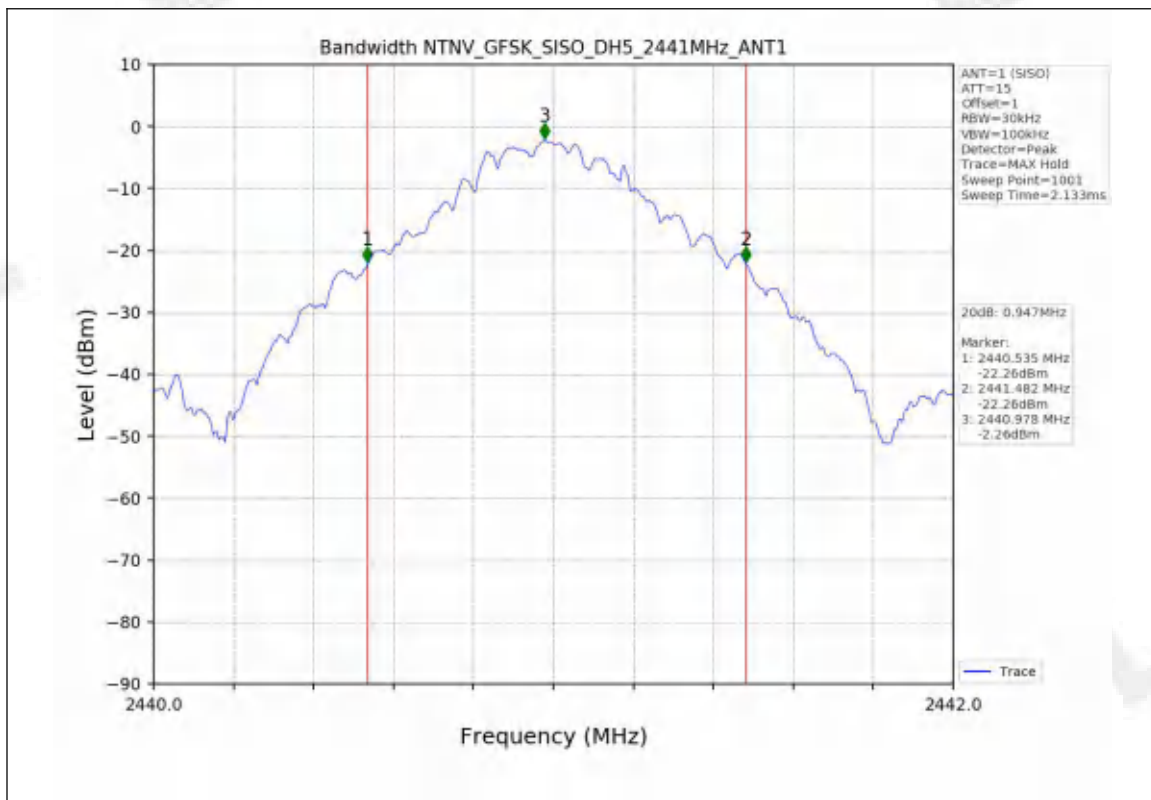
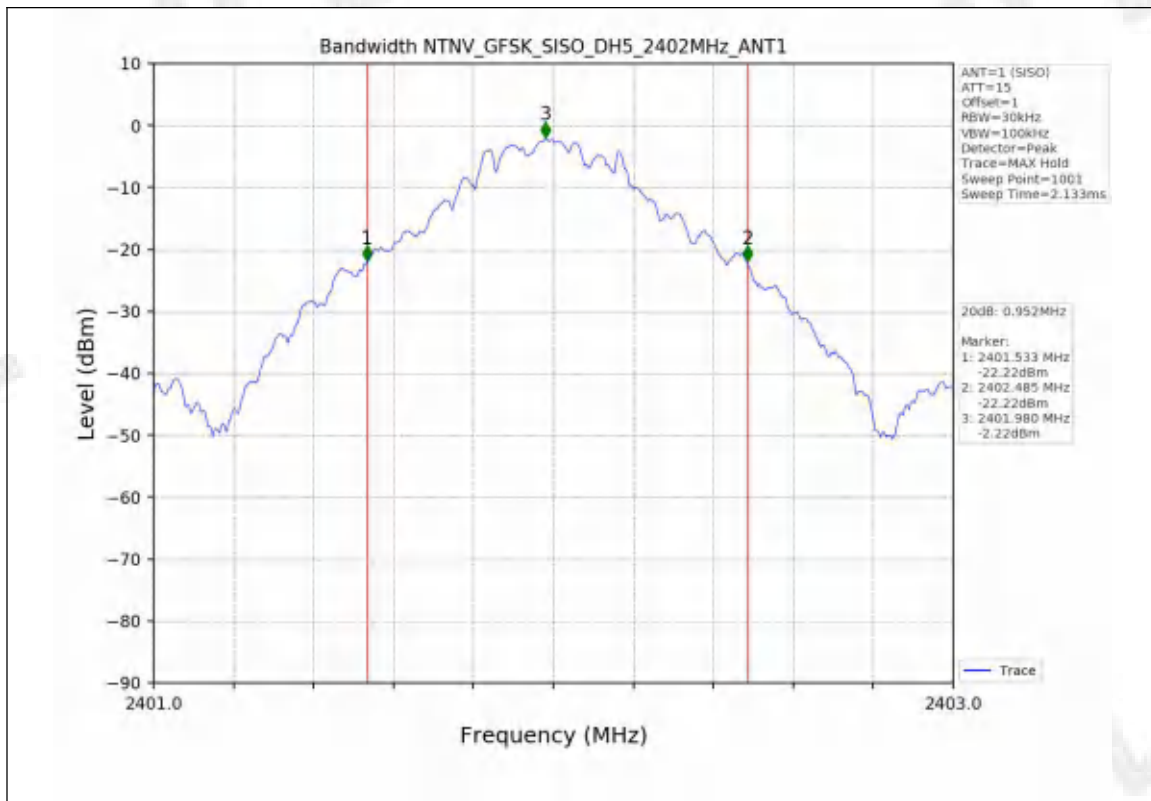
1. Bandwidth

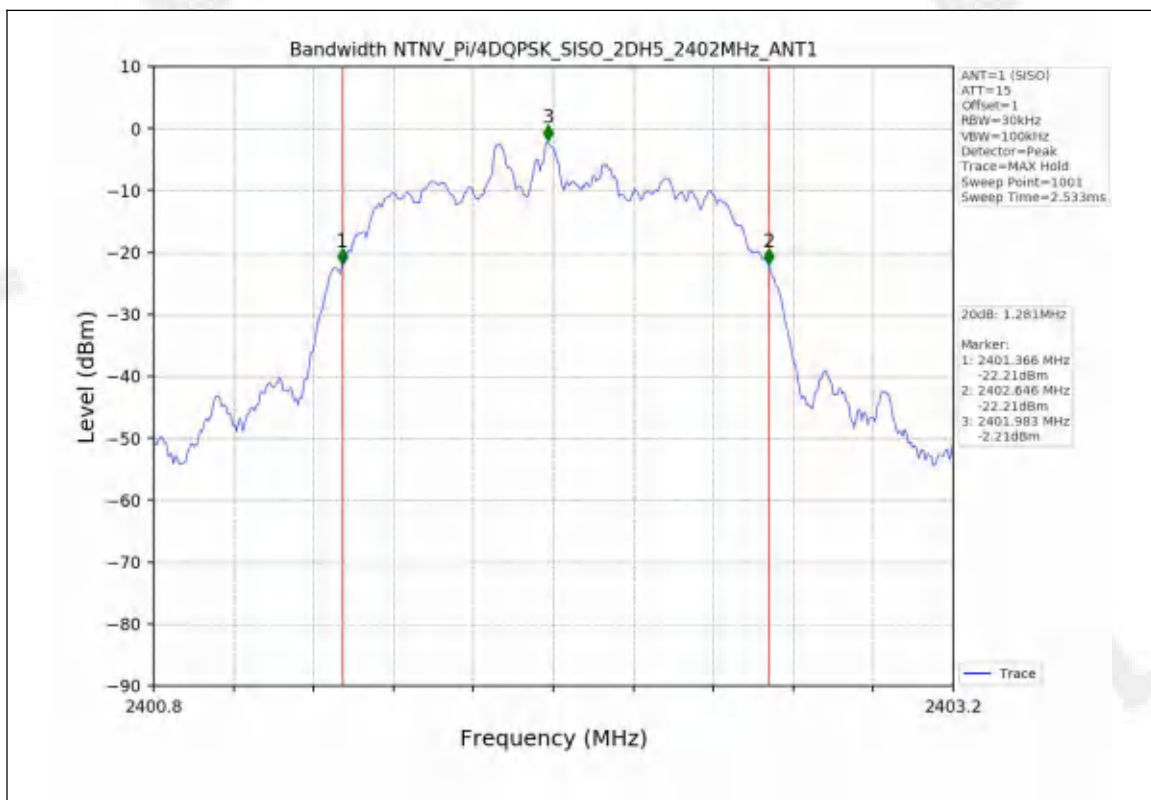
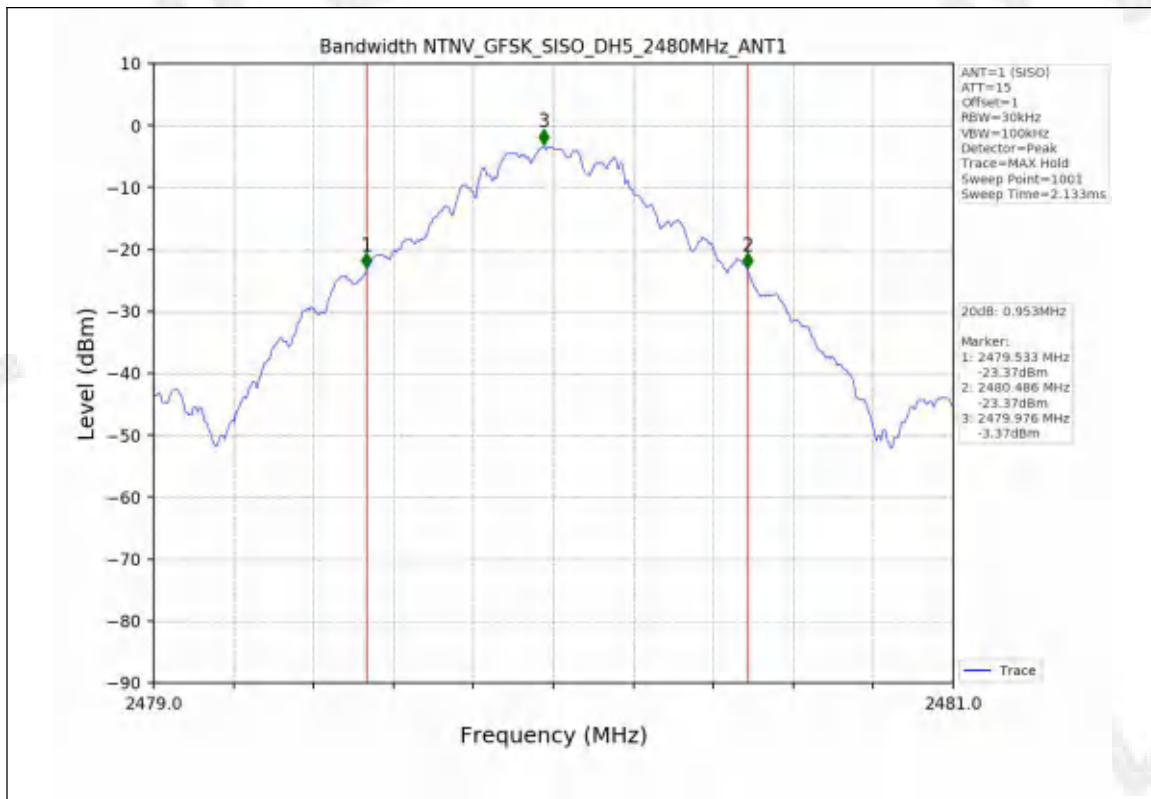
1.1 Test Result

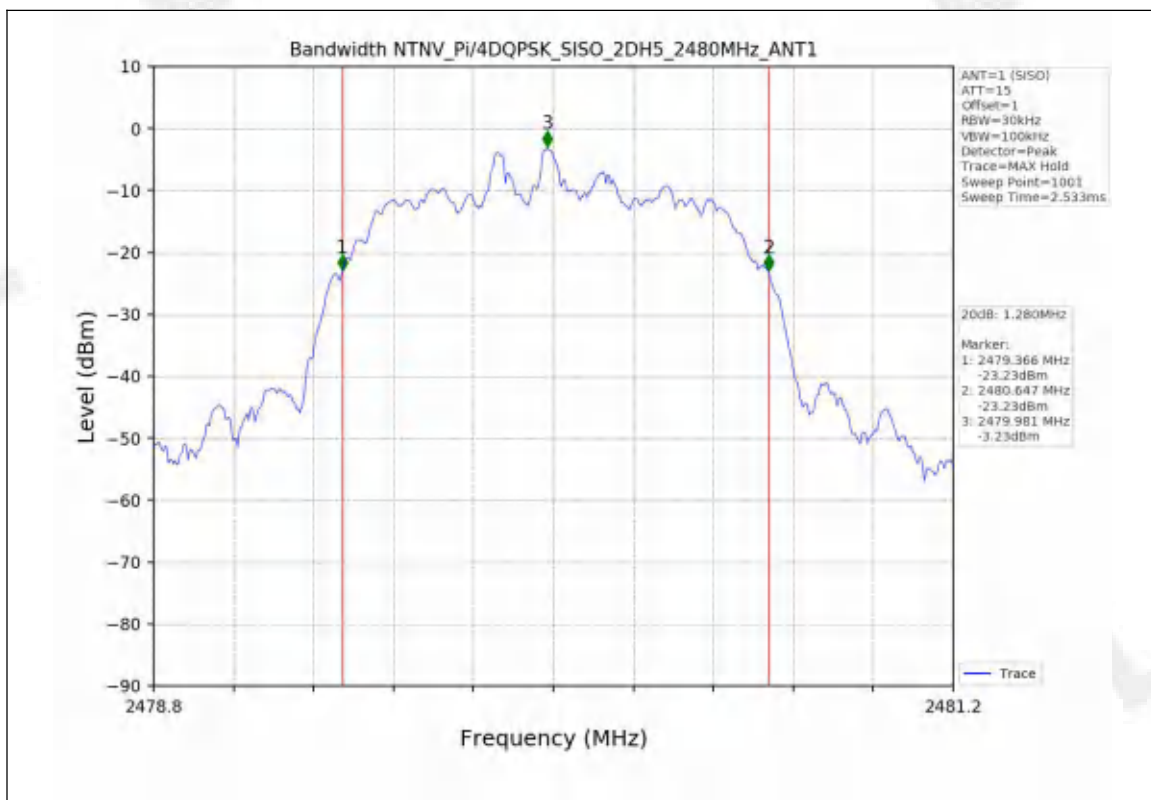
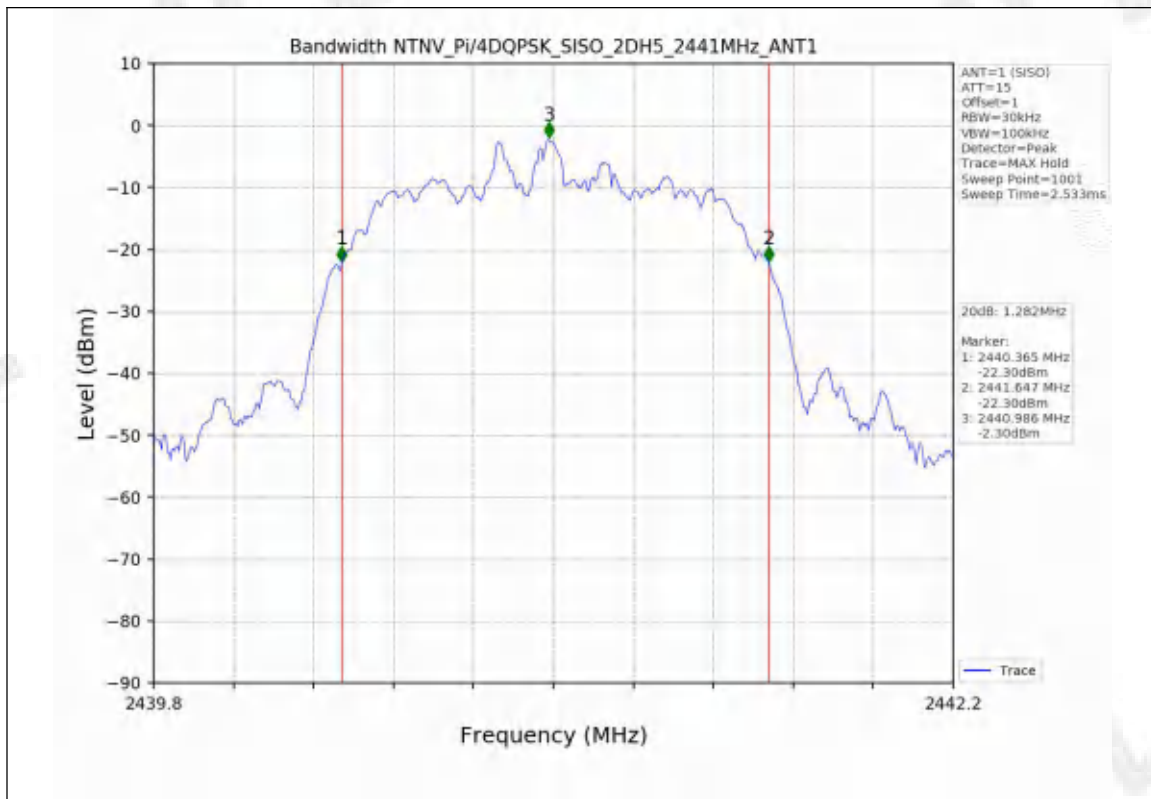
Test Mode	Frequency (MHz)	TX Type	ANT No.	20dB Bandwidth	Verdict
				Test Result (MHz)	
GFSK	2402	SISO	1	0.952	PASS
	2441	SISO	1	0.947	PASS
	2480	SISO	1	0.953	PASS
Pi/4DQPSK	2402	SISO	1	1.281	PASS
	2441	SISO	1	1.282	PASS
	2480	SISO	1	1.280	PASS
8DPSK	2402	SISO	1	1.280	PASS
	2441	SISO	1	1.277	PASS
	2480	SISO	1	1.277	PASS

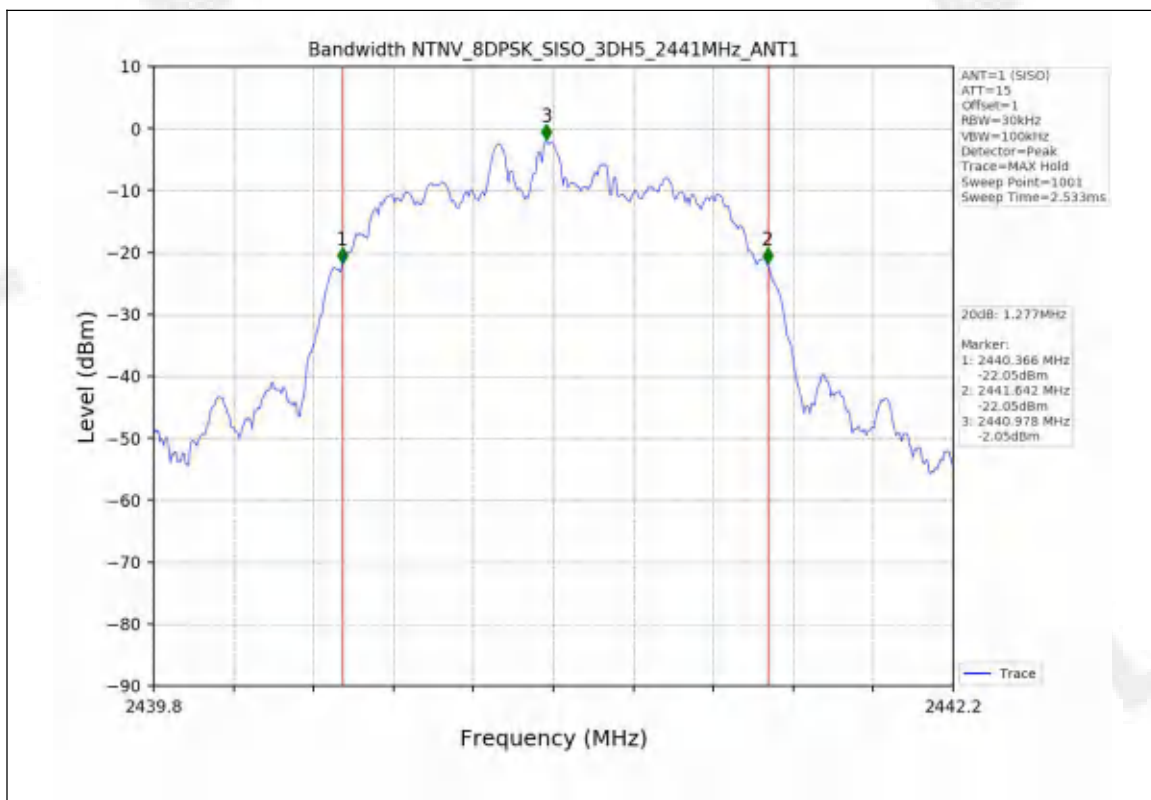
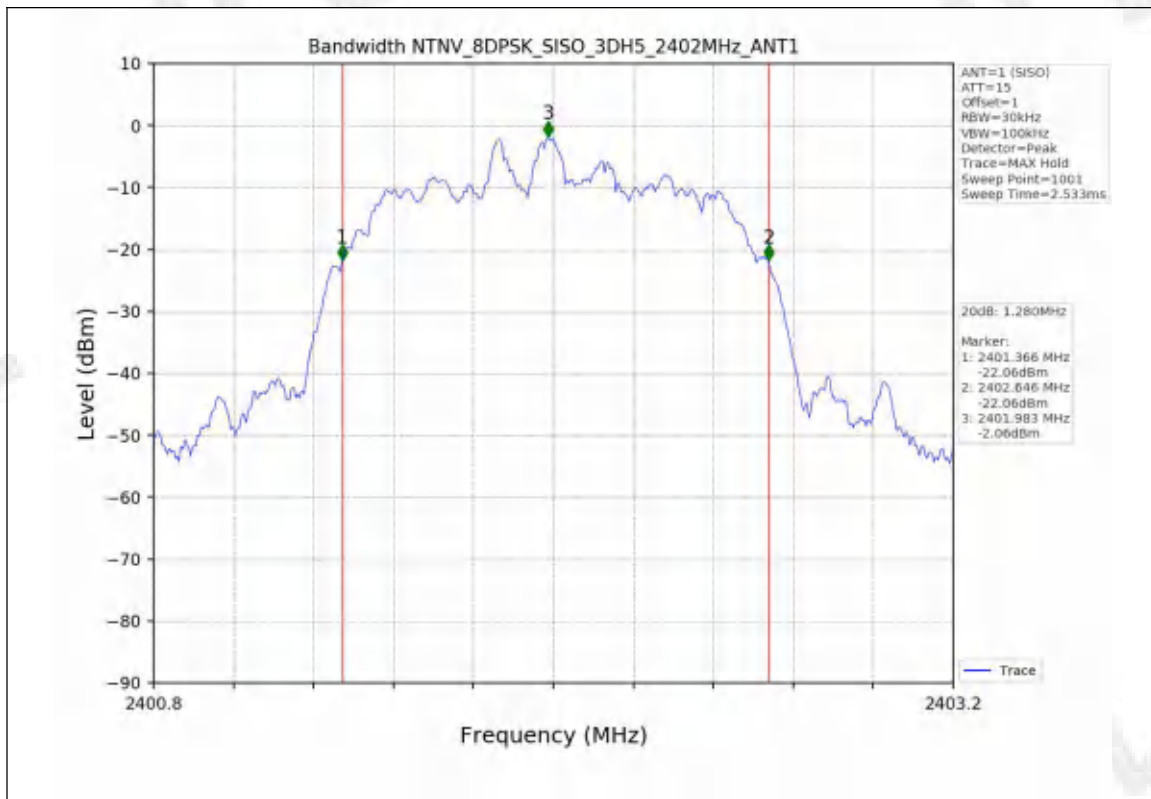
Test Mode	Frequency (MHz)	TX Type	ANT No.	99% Occupied Bandwidth	
				Test Result (MHz)	
GFSK	2402	SISO	1	0.852	Only for Report Use
	2441	SISO	1	0.852	Only for Report Use
	2480	SISO	1	0.858	Only for Report Use
Pi/4DQPSK	2402	SISO	1	1.180	Only for Report Use
	2441	SISO	1	1.172	Only for Report Use
	2480	SISO	1	1.171	Only for Report Use
8DPSK	2402	SISO	1	1.165	Only for Report Use
	2441	SISO	1	1.162	Only for Report Use
	2480	SISO	1	1.164	Only for Report Use

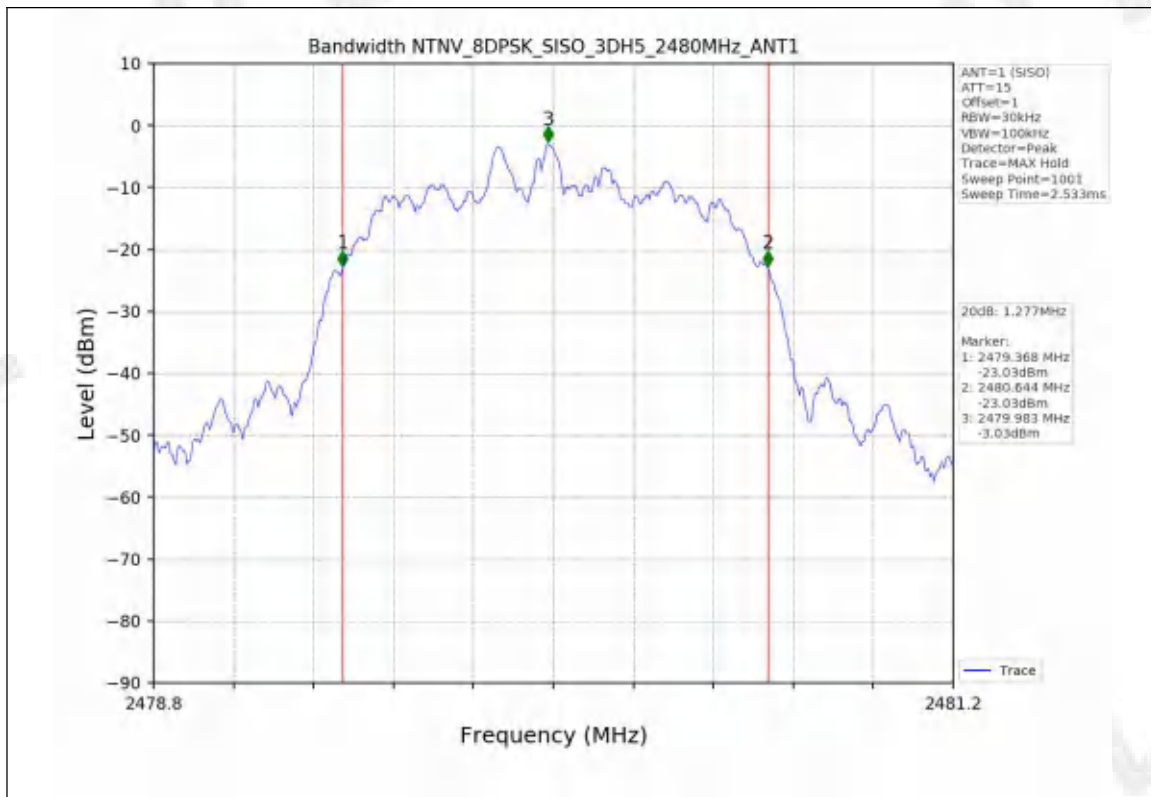
1.2 Test Graph - 20dB Bandwidth



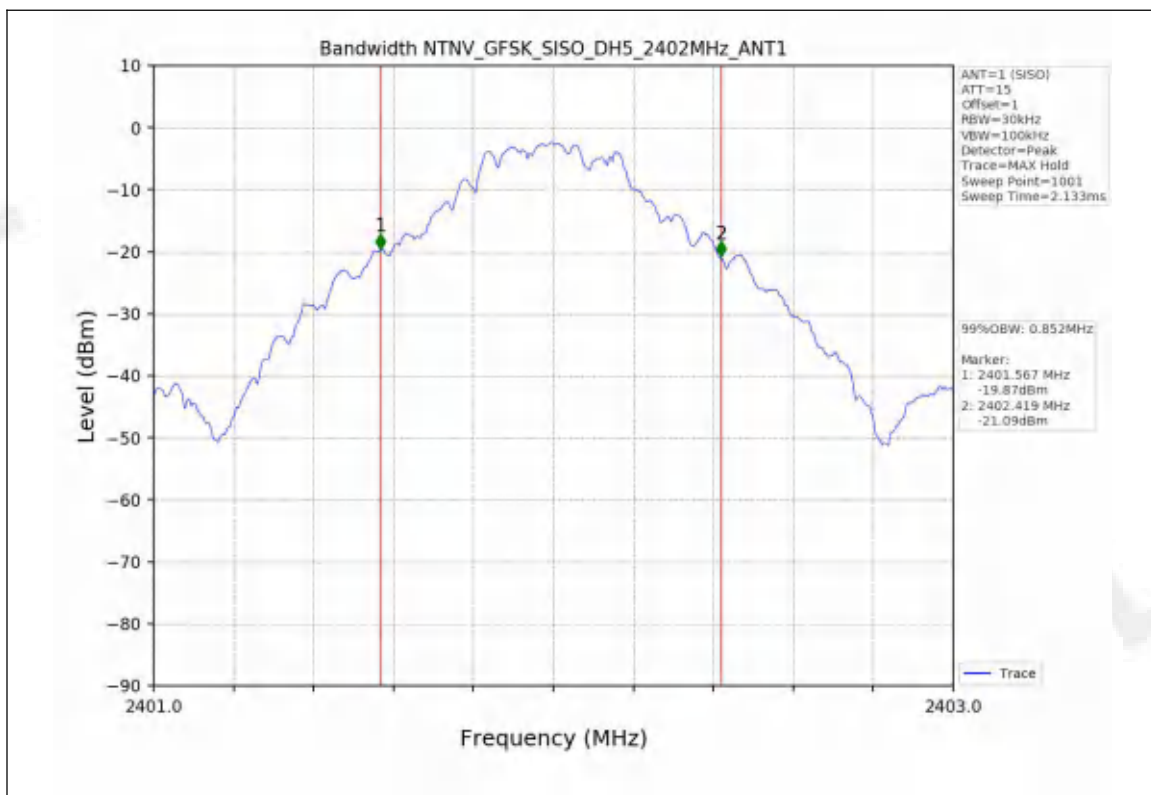


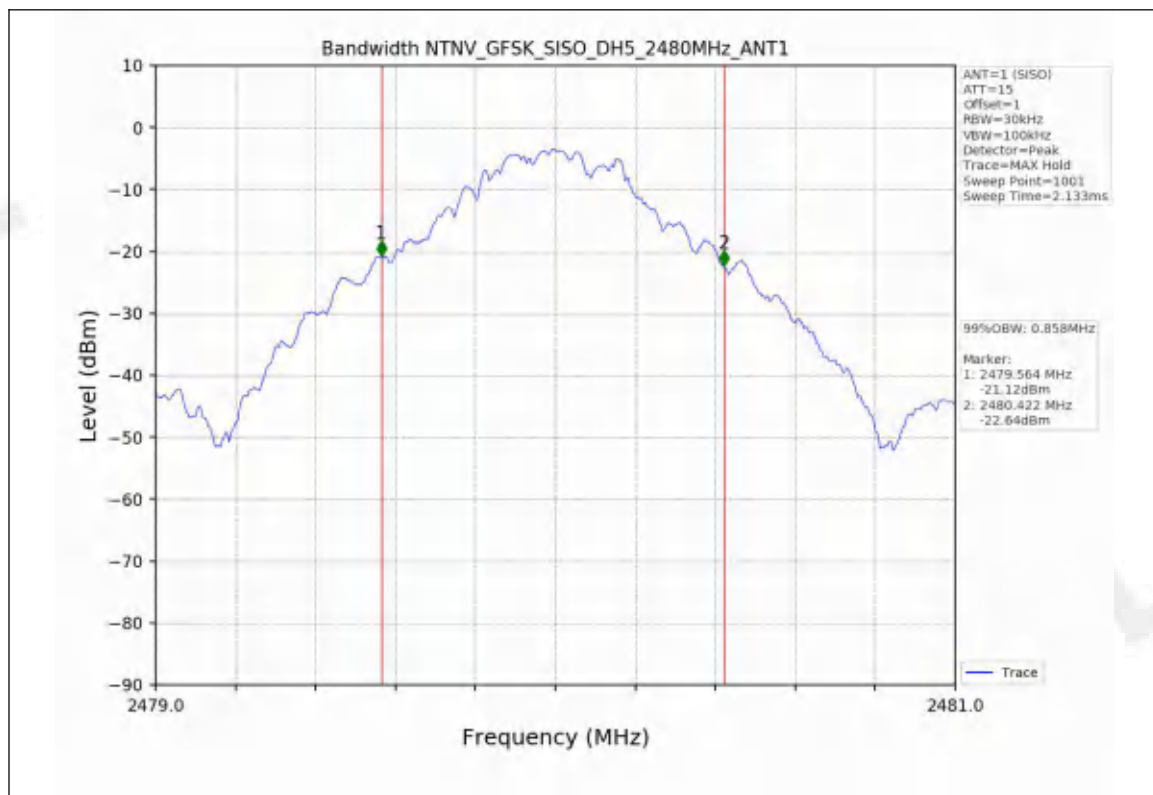
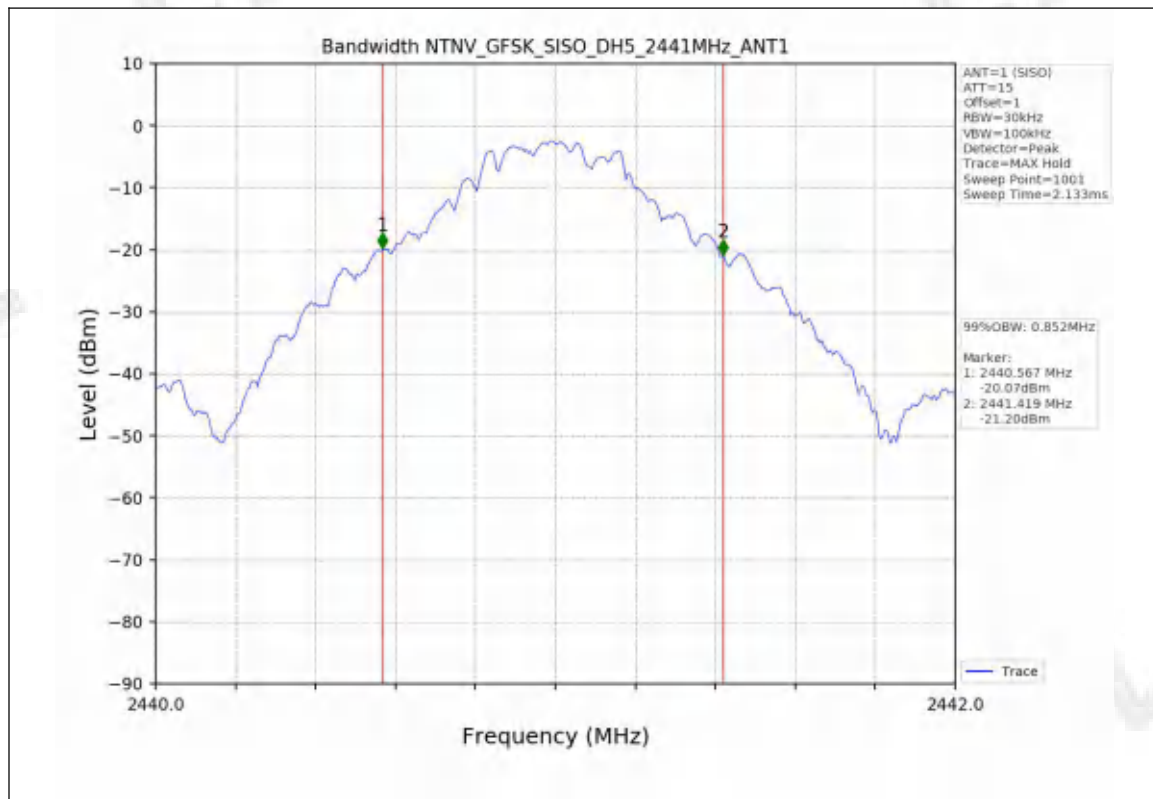


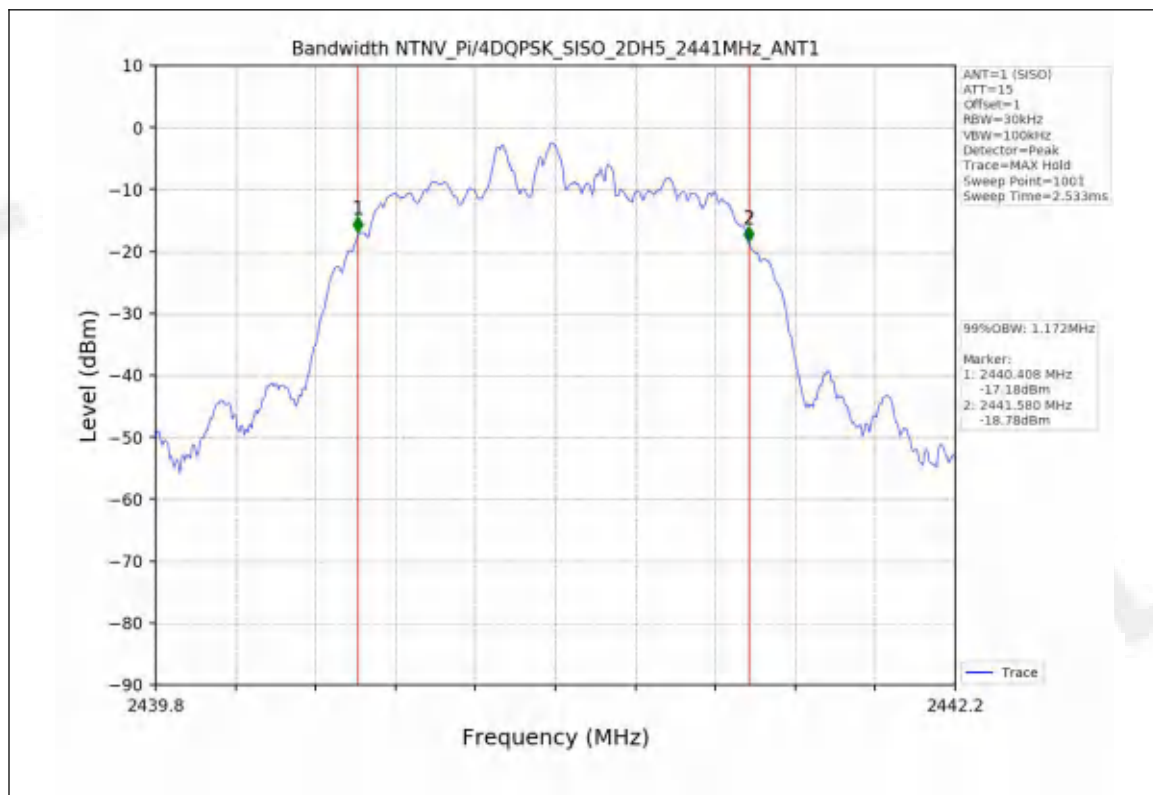
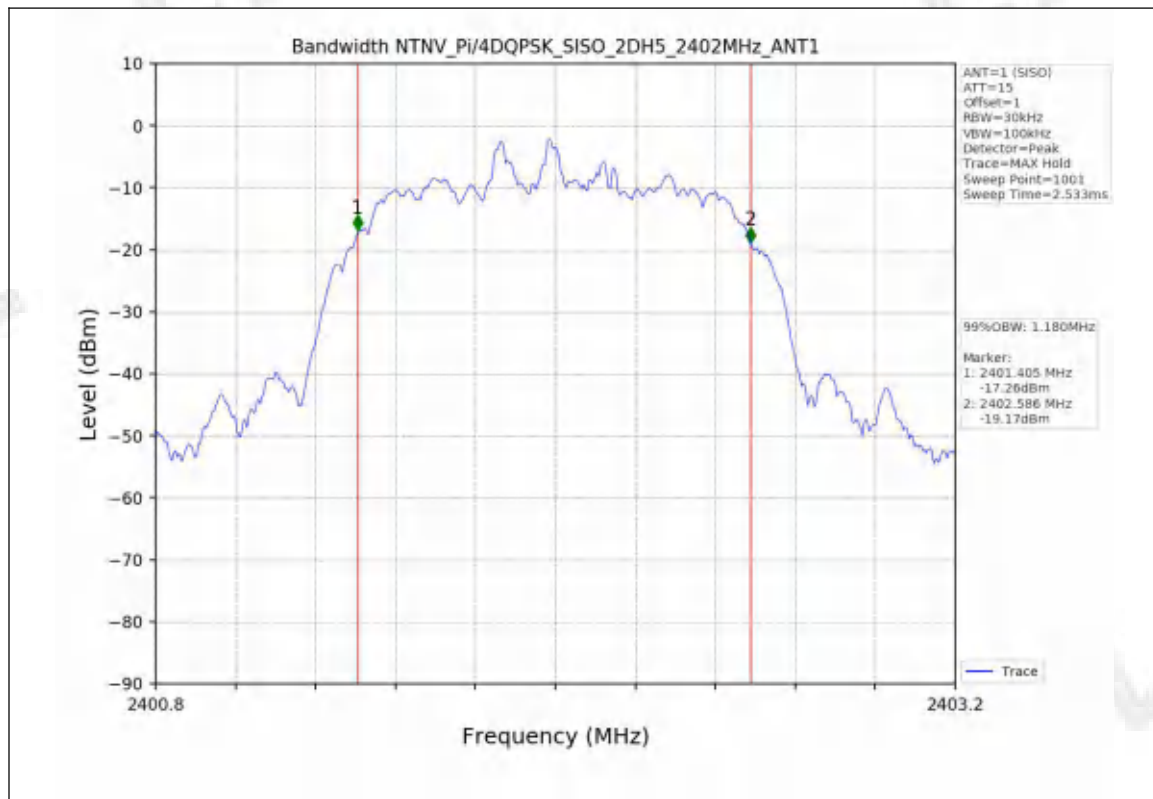


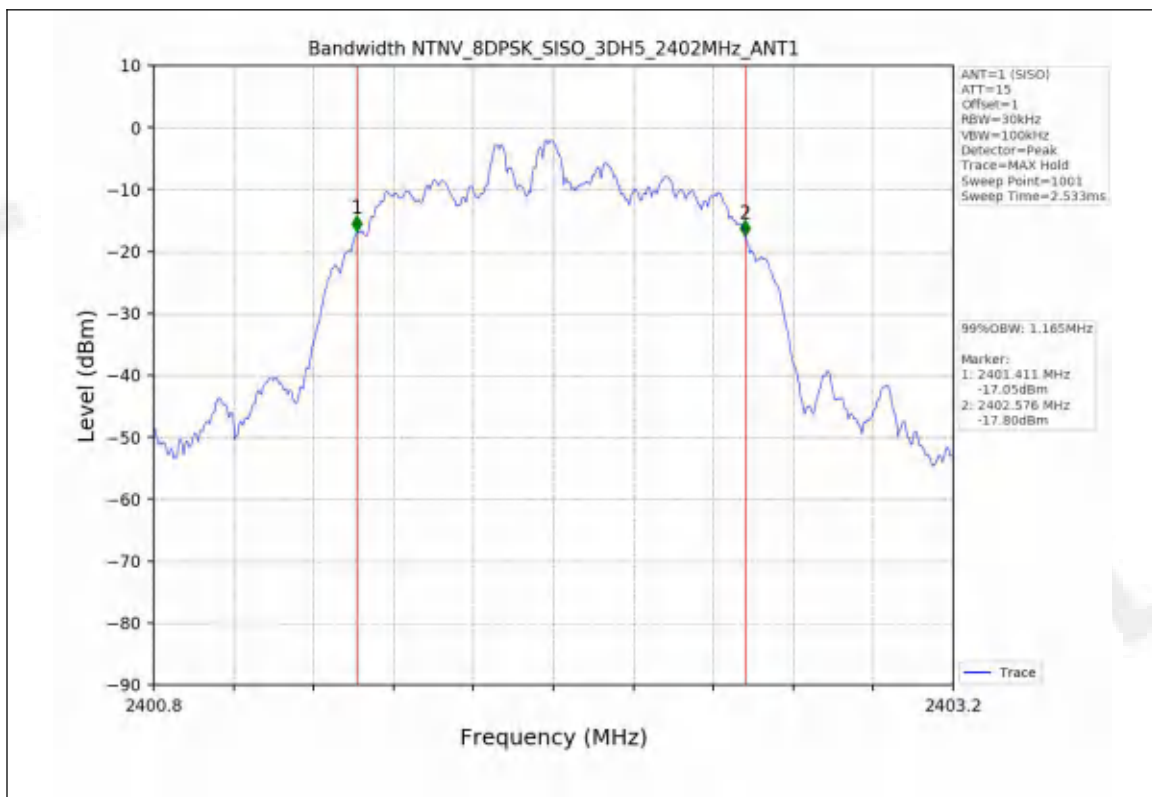
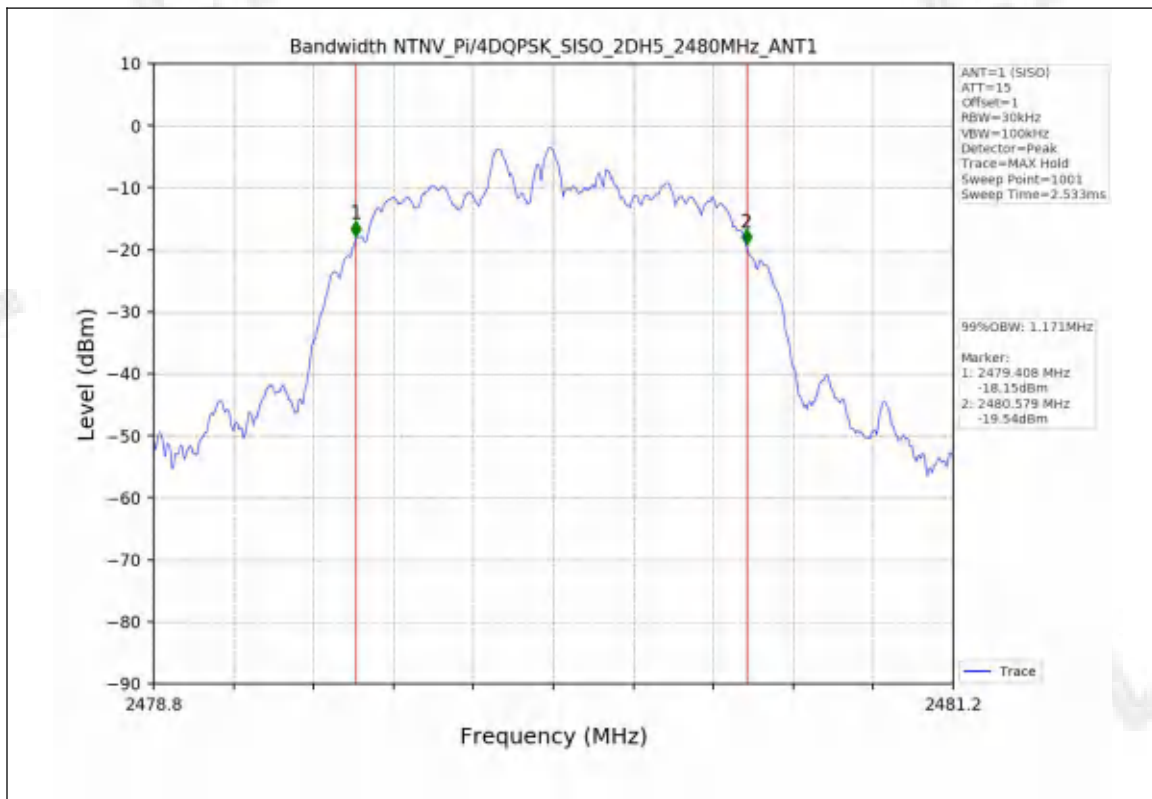


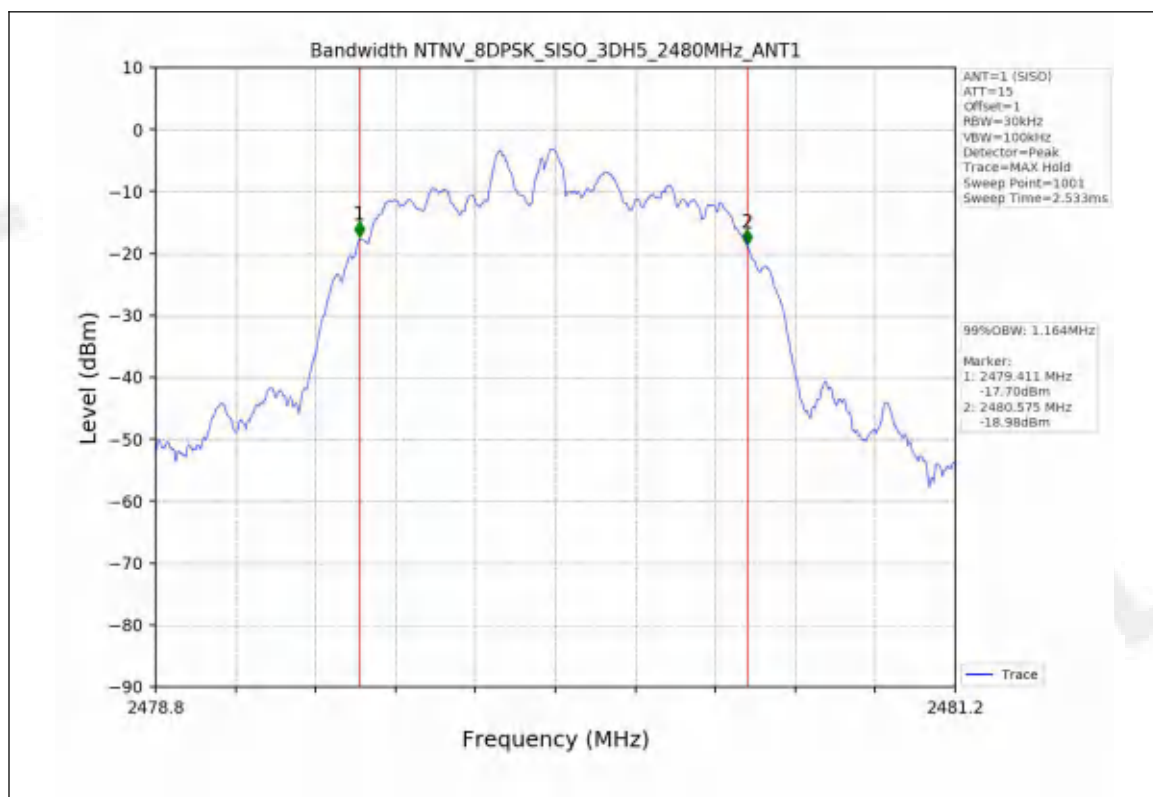
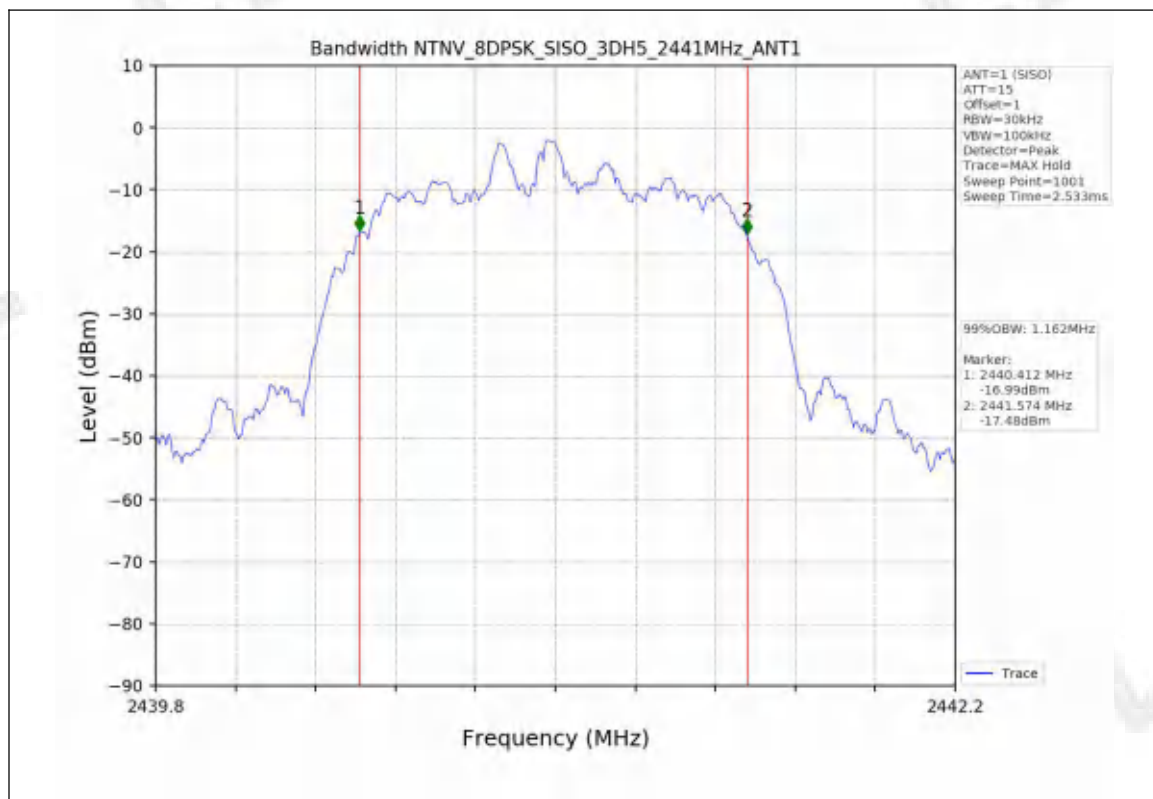
1.3 Test Graph - 99% Occupied Bandwidth









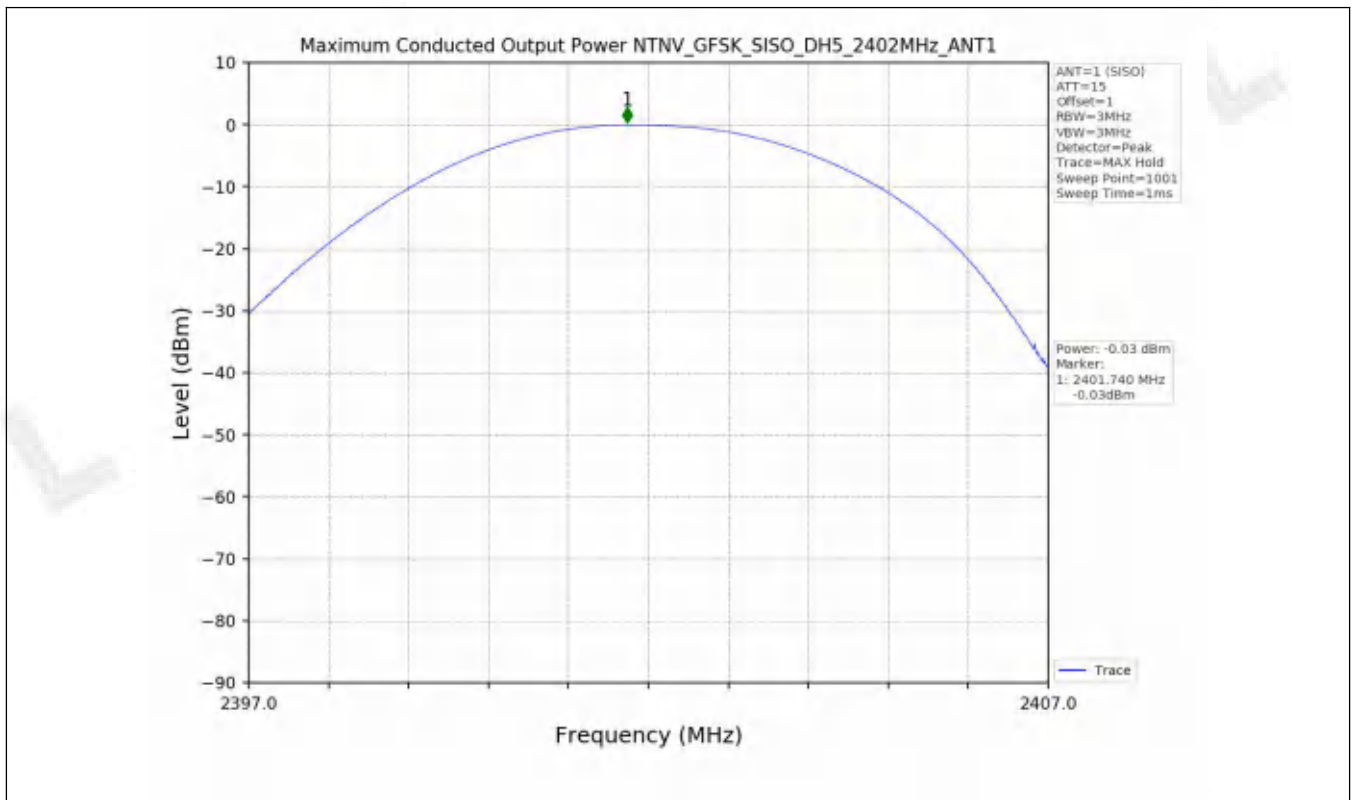


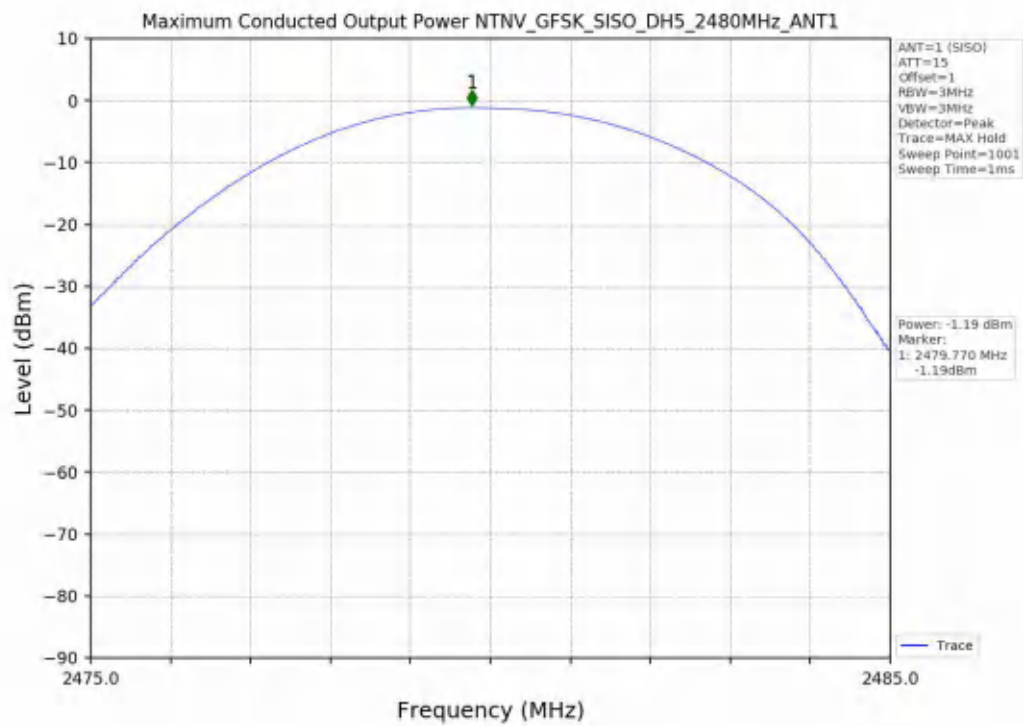
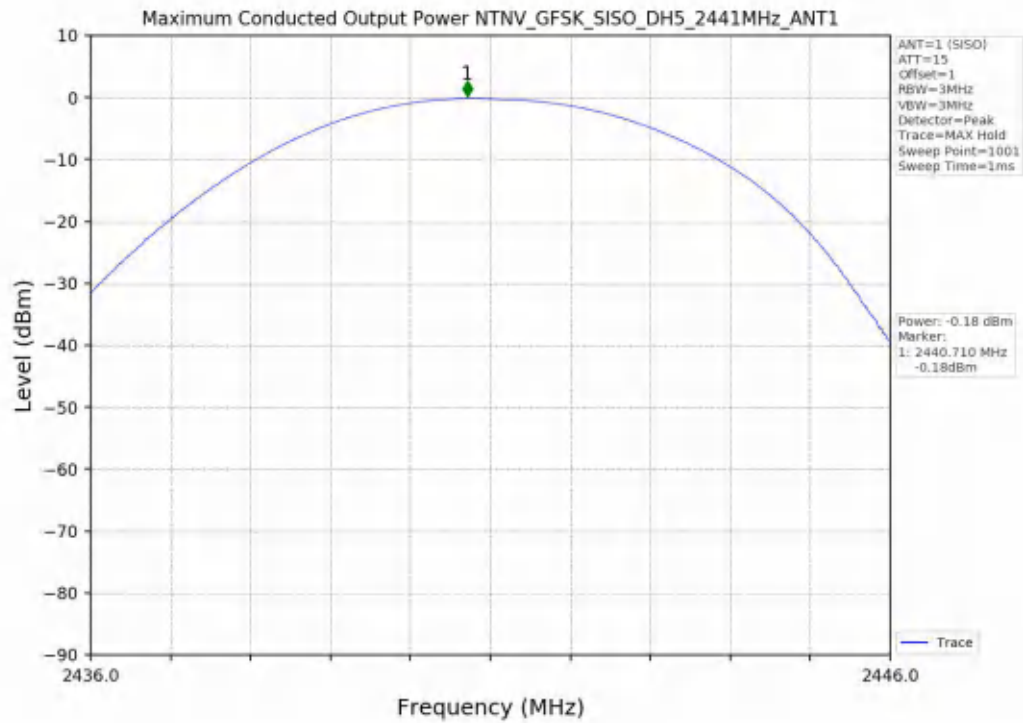
2. Maximum Conducted Output Power

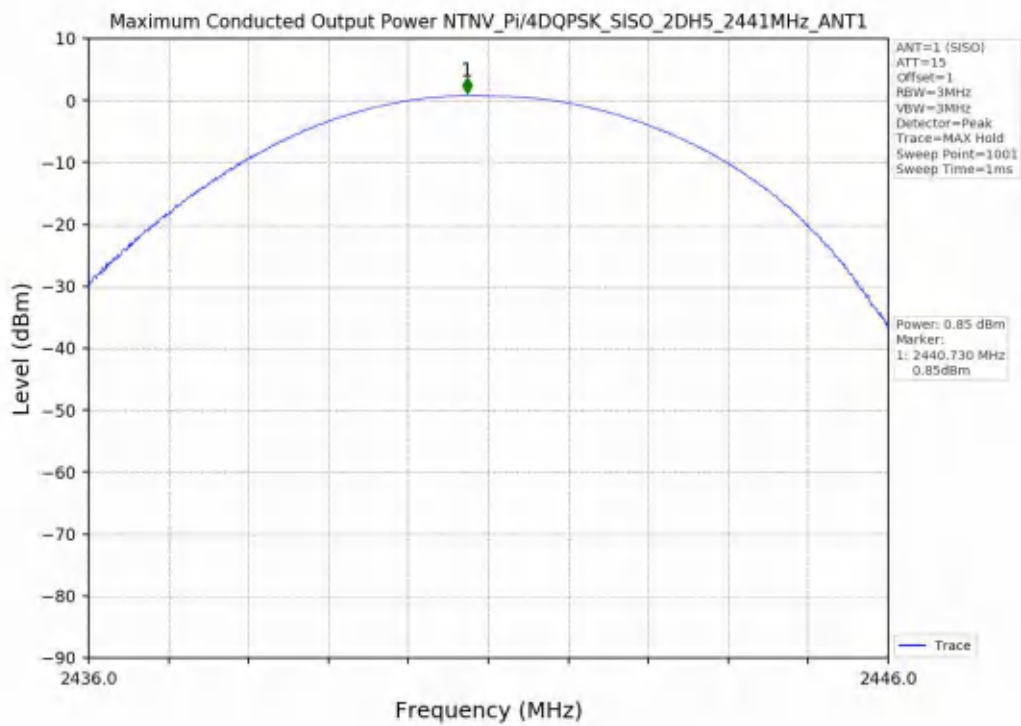
2.1 Test Result

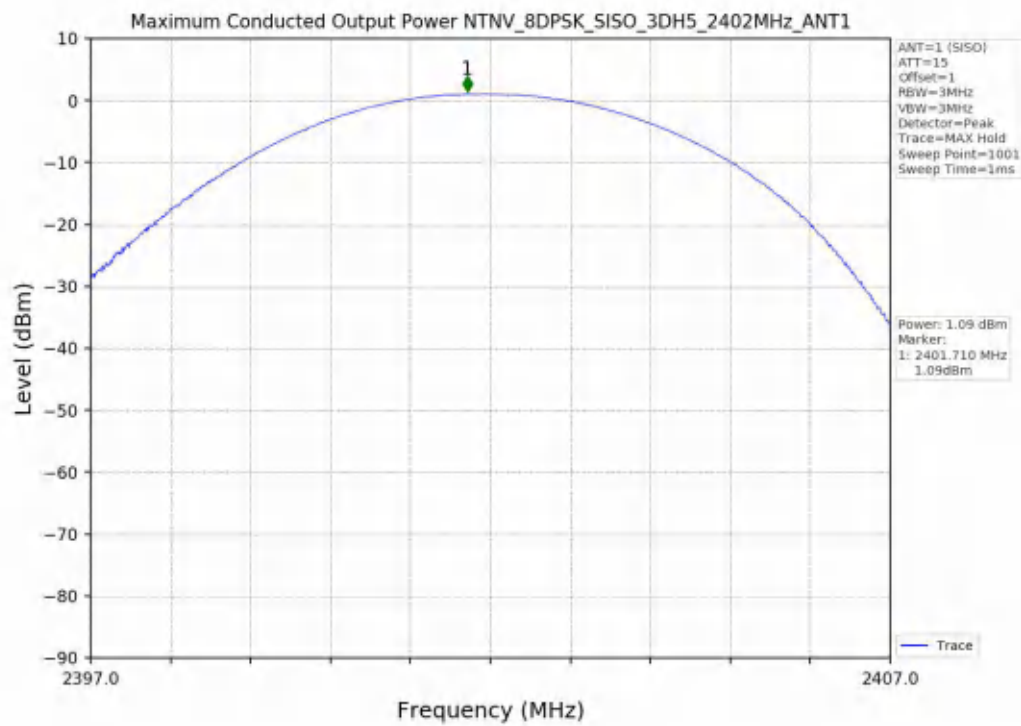
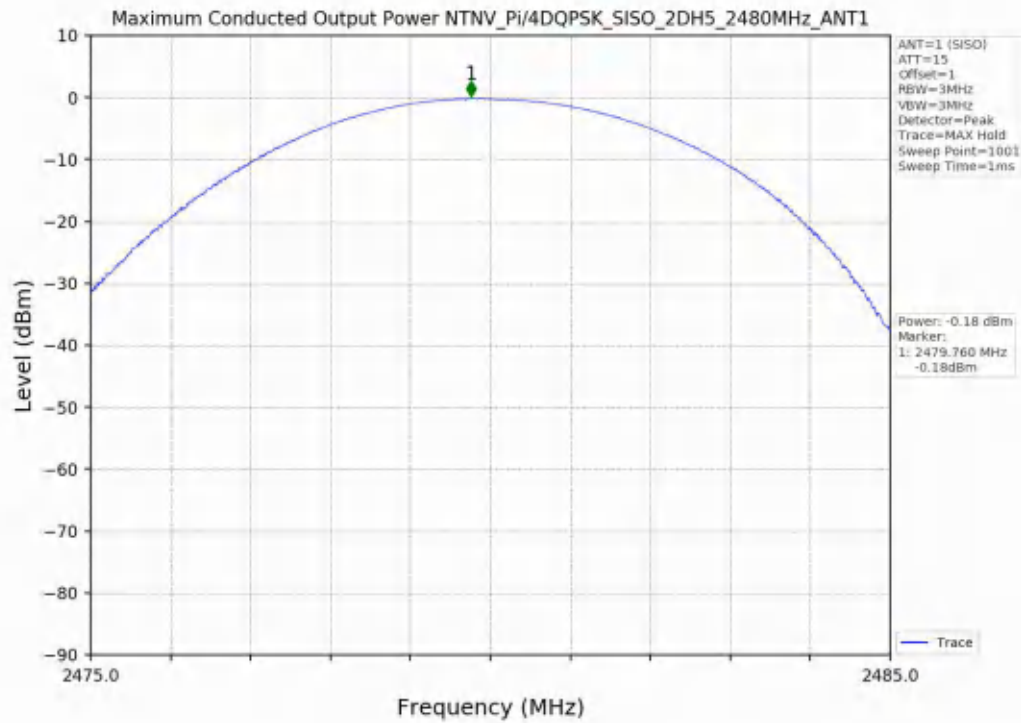
Test Mode	Frequency (MHz)	Tx Type	Measured Peak Output Power (dBm)	Limits (dBm)	Verdict
			Ant 1		
GFSK	2402	SISO	-0.03	30	PASS
	2441	SISO	-0.18	30	PASS
	2480	SISO	-1.19	30	PASS
Pi/4DQPSK	2402	SISO	0.98	20.97	PASS
	2441	SISO	0.85	20.97	PASS
	2480	SISO	-0.18	20.97	PASS
8DPSK	2402	SISO	1.09	20.97	PASS
	2441	SISO	1.01	20.97	PASS
	2480	SISO	-0.02	20.97	PASS

2.2 Test Graph









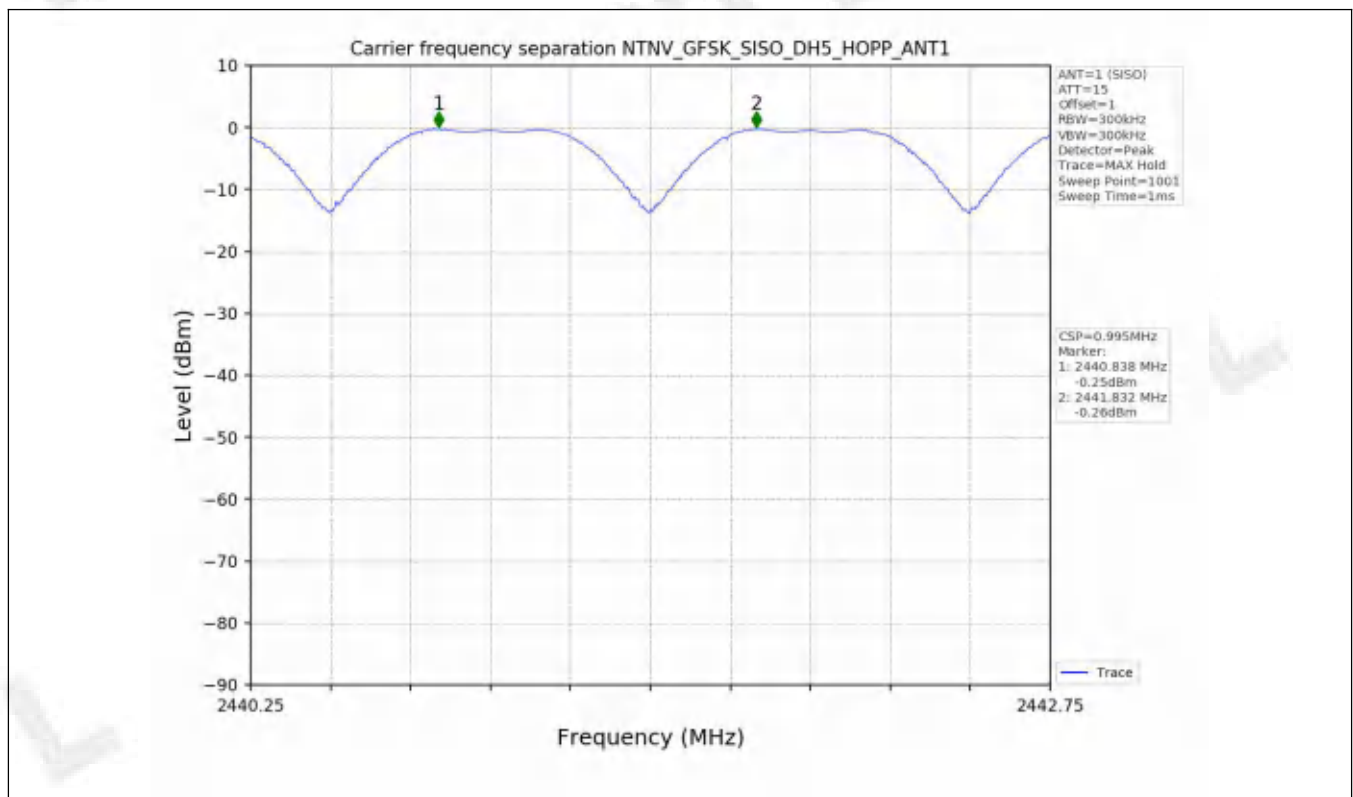


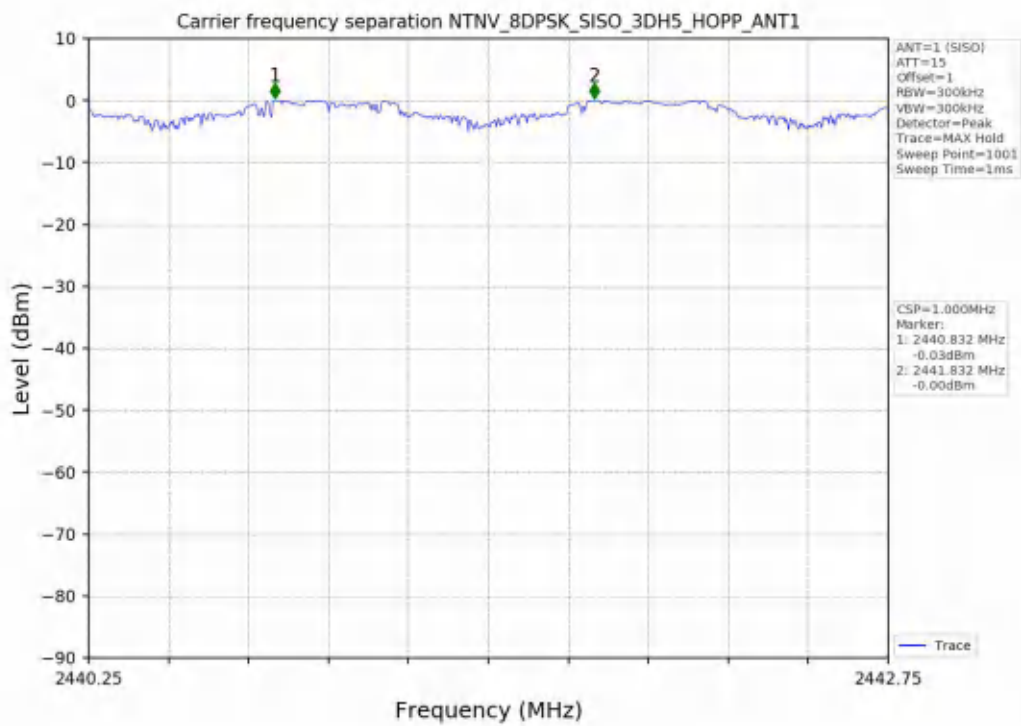
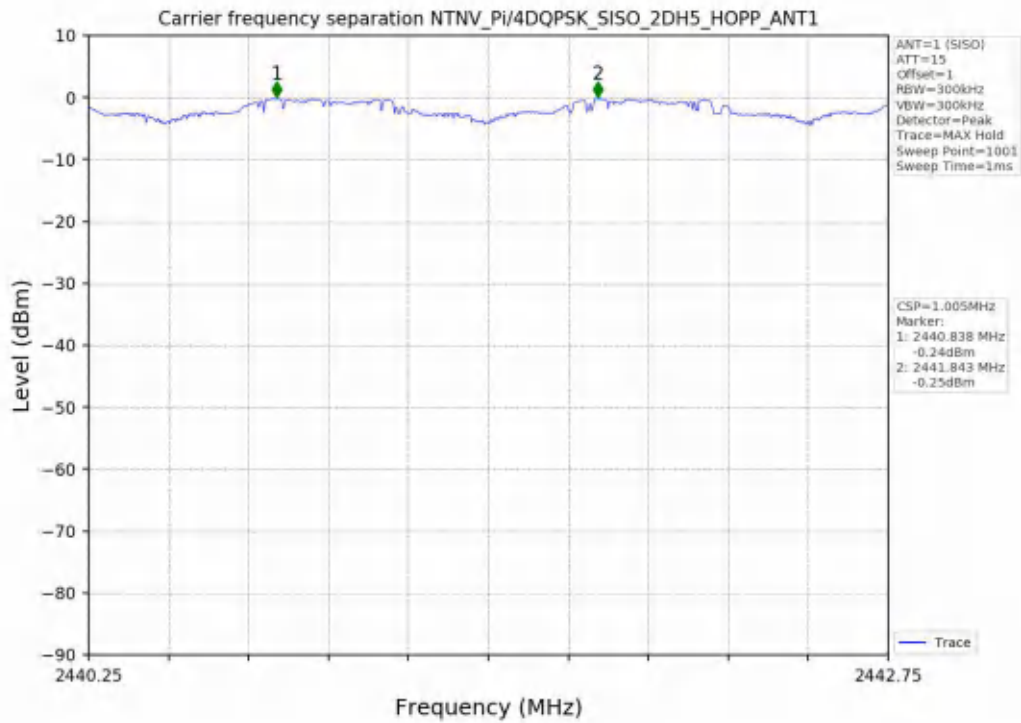
3. Carrier frequency separation

3.1 Test Result

Test Mode	TX Type	ANT No.	Channel Separation (MHz)	20dB Bandwidth (MHz)	Limits (MHz)	Verdict
GFSK	SISO	1	0.995	0.953	≥ 0.953	PASS
Pi/4DQPSK	SISO	1	1.005	1.282	≥ 0.855	PASS
8DPSK	SISO	1	1.000	1.280	≥ 0.853	PASS

3.2 Test Graph



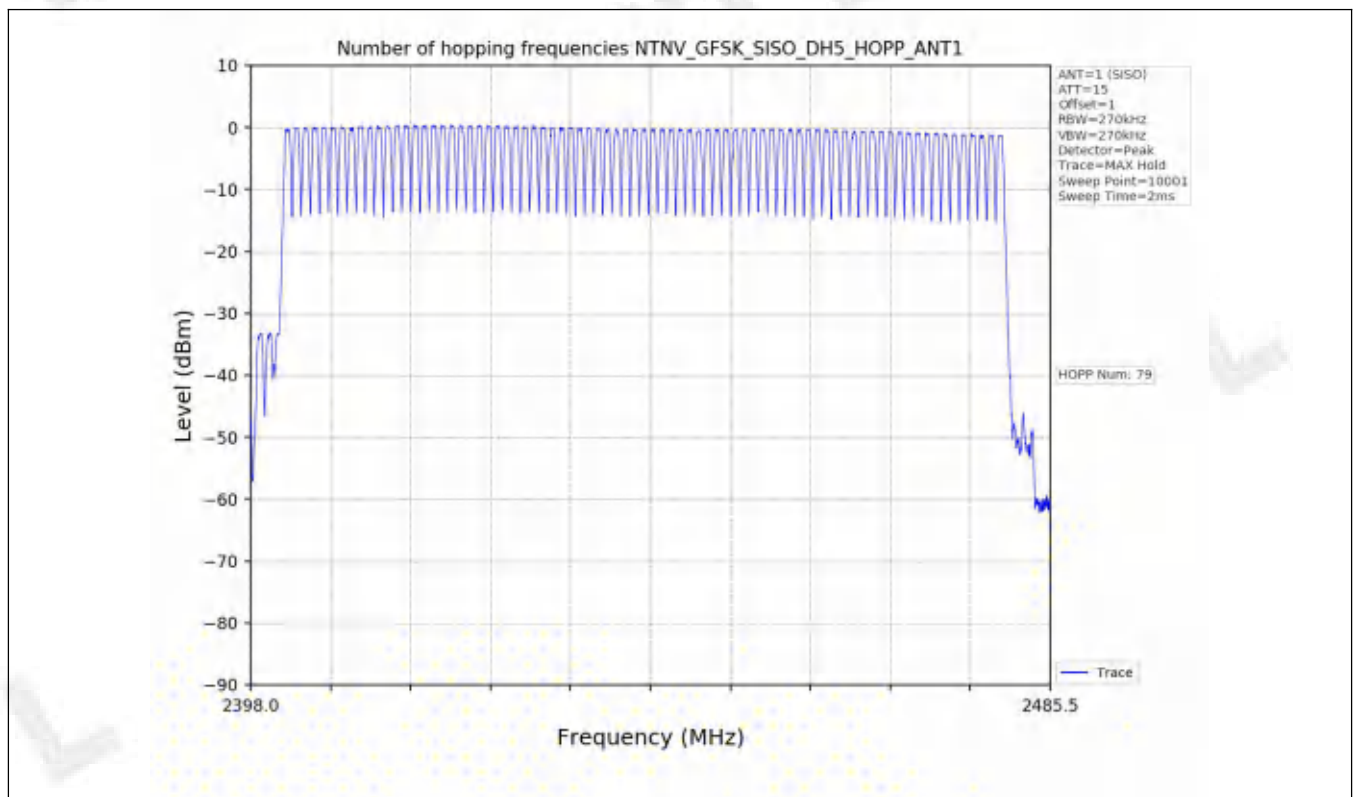


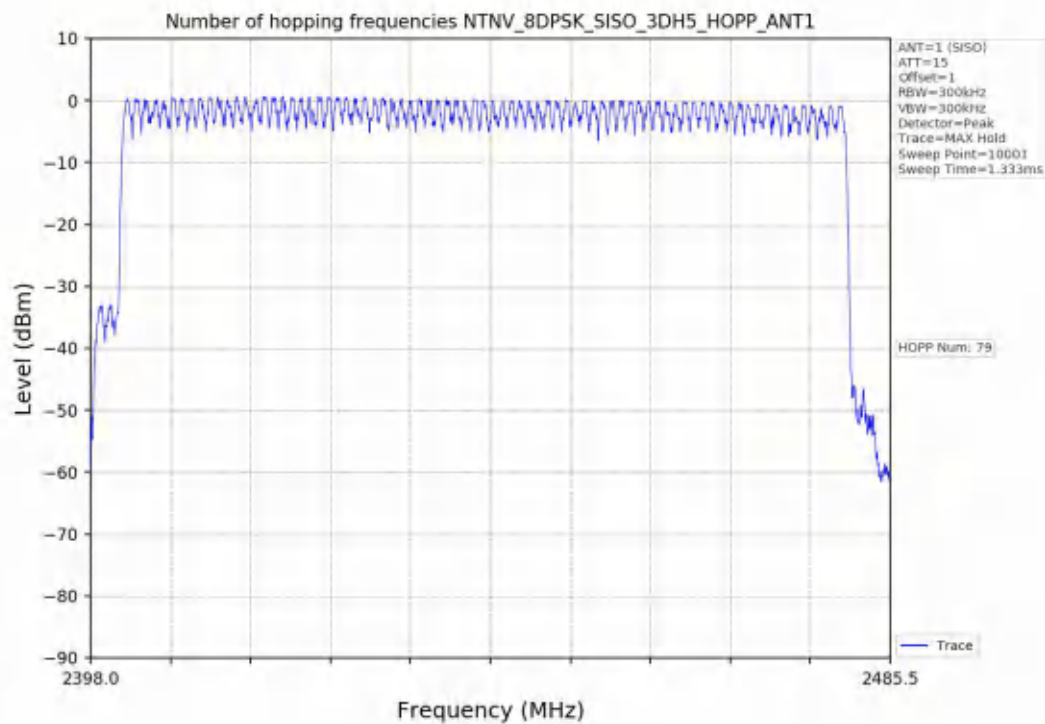
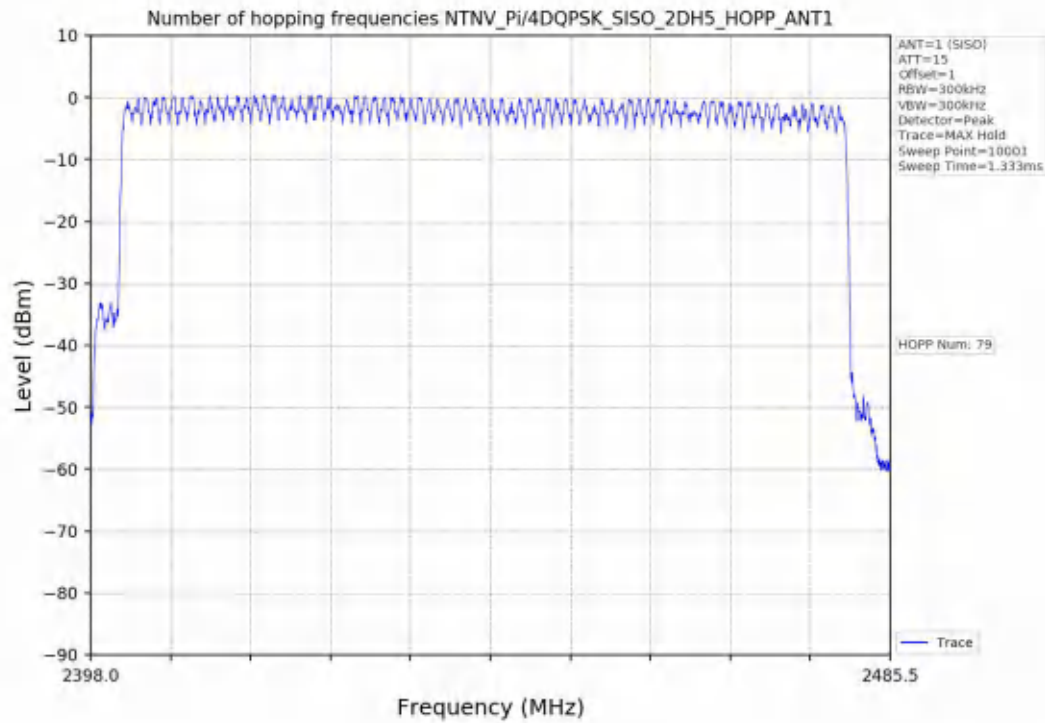
4. Number of hopping frequencies

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



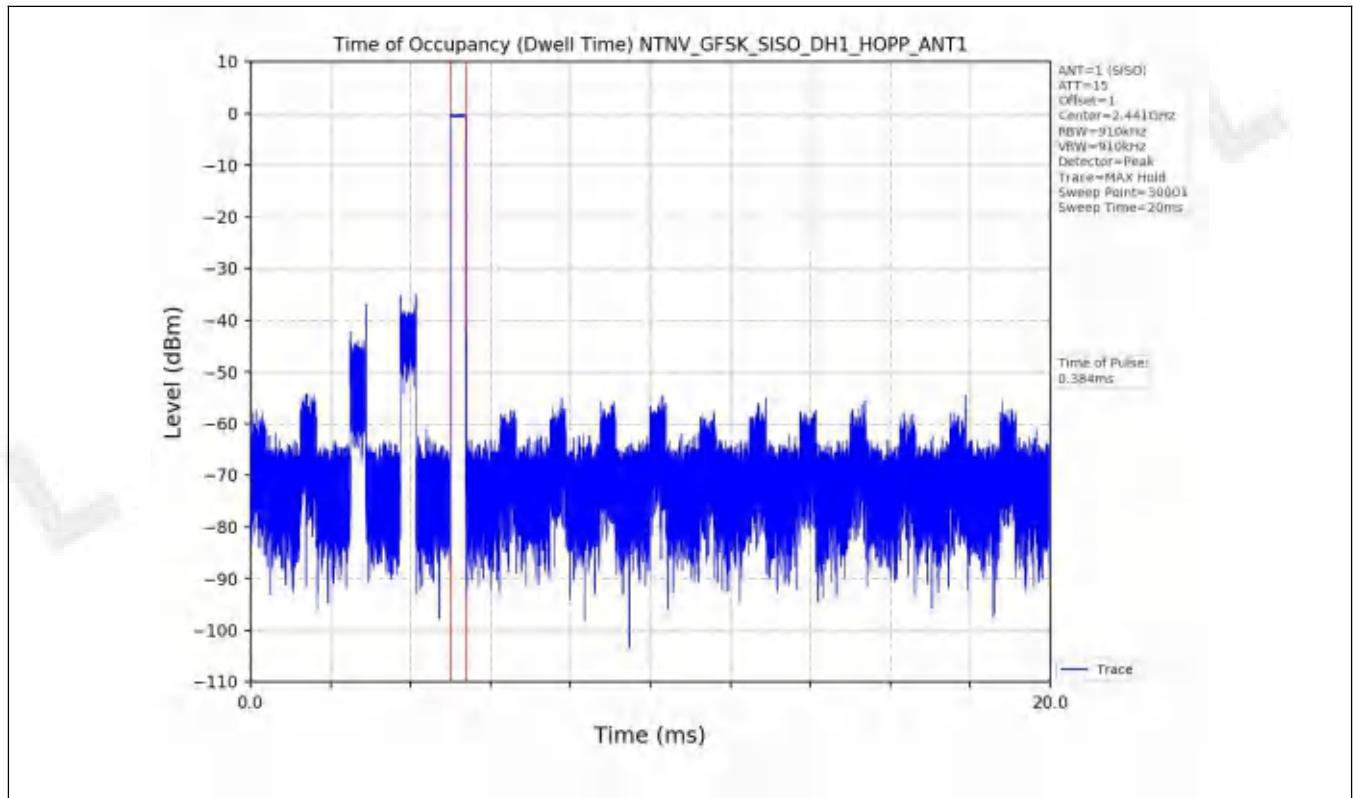


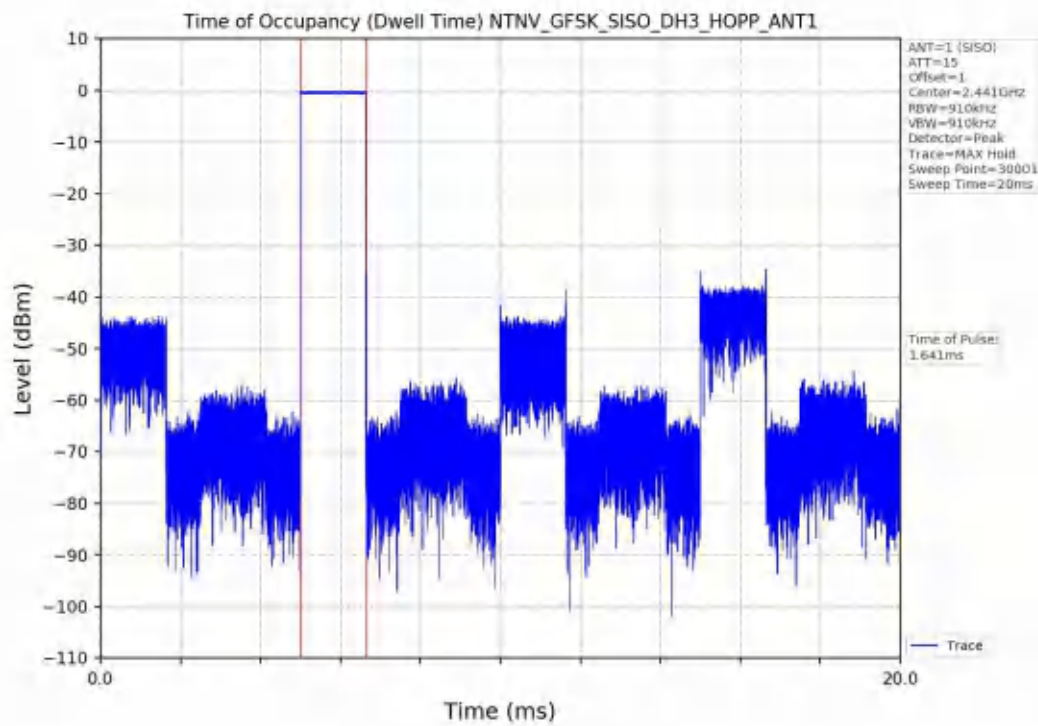
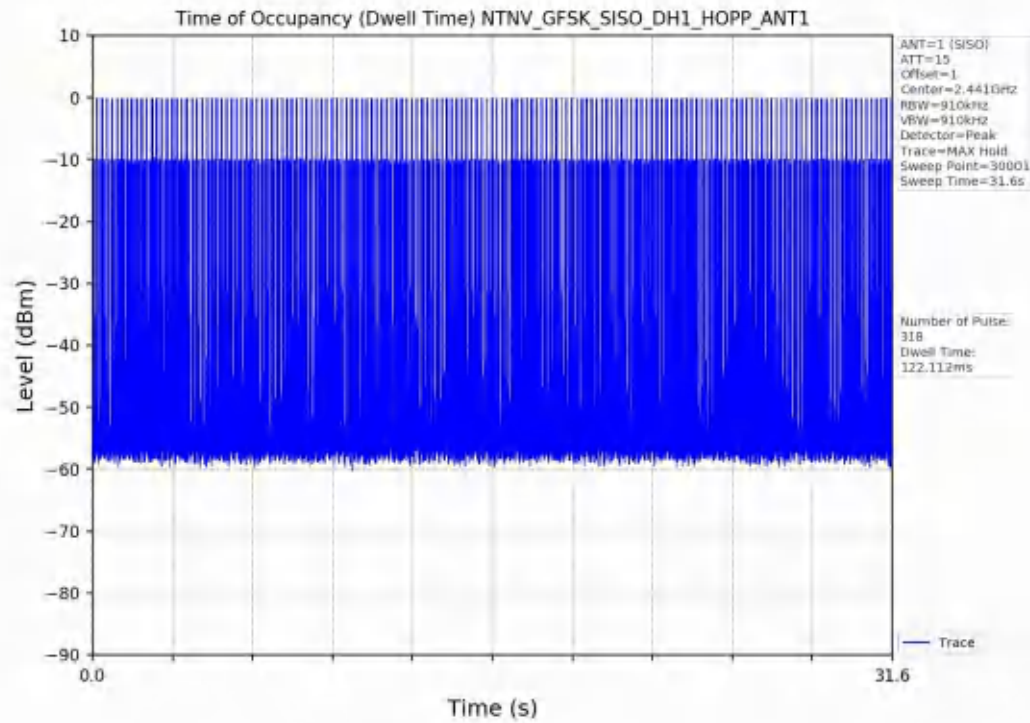
5. Time of Occupancy (Dwell Time)

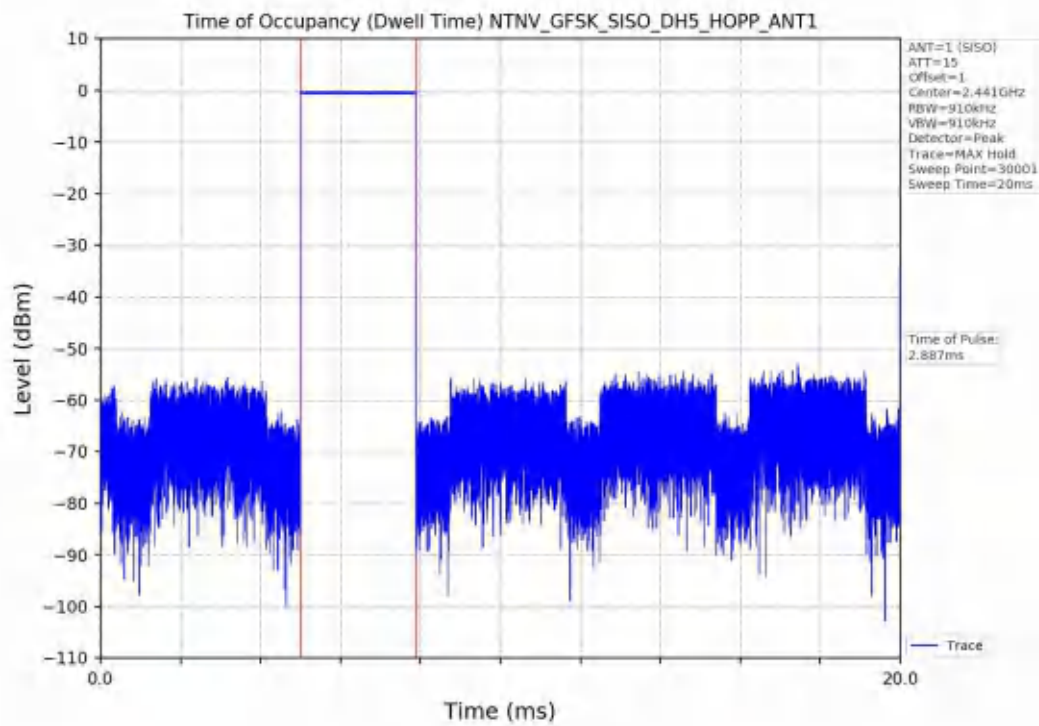
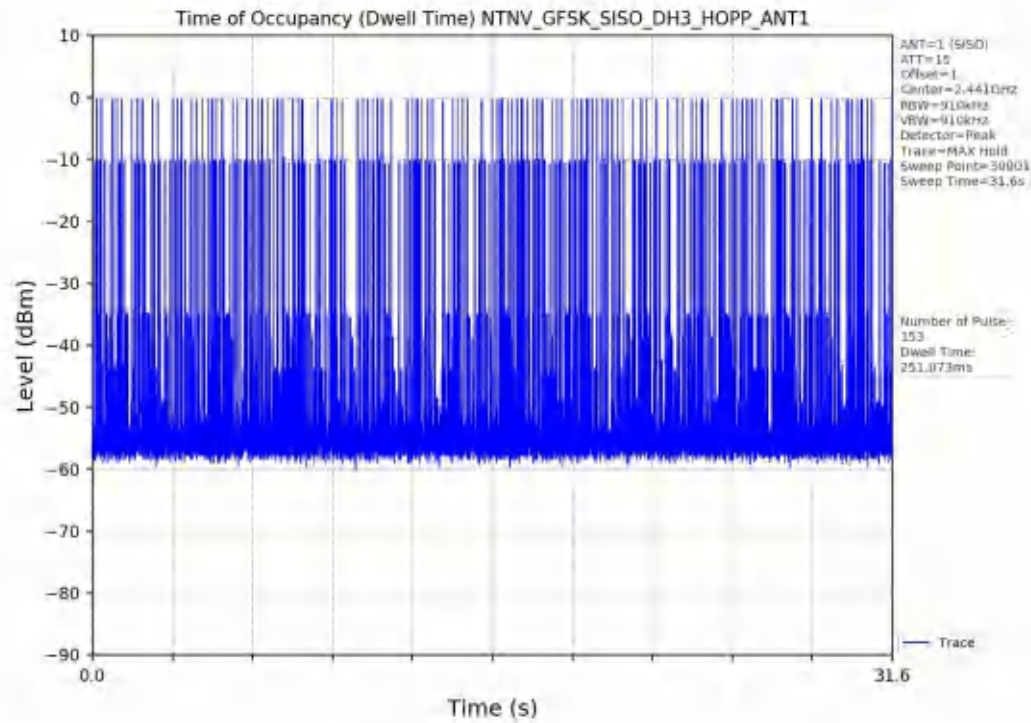
5.1 Test Result

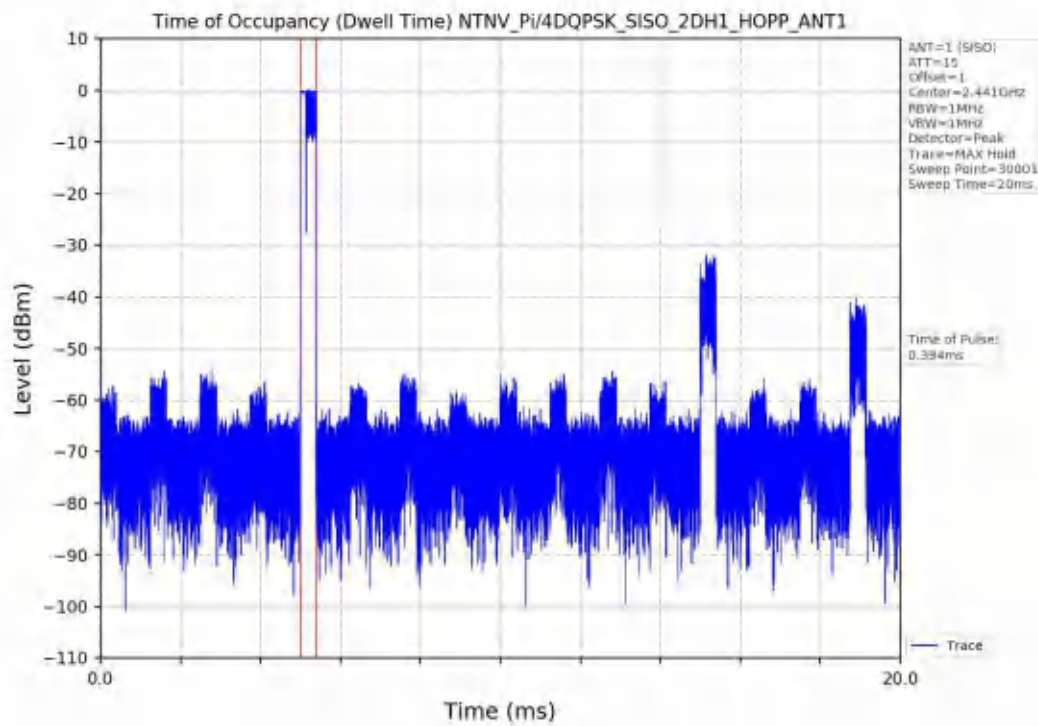
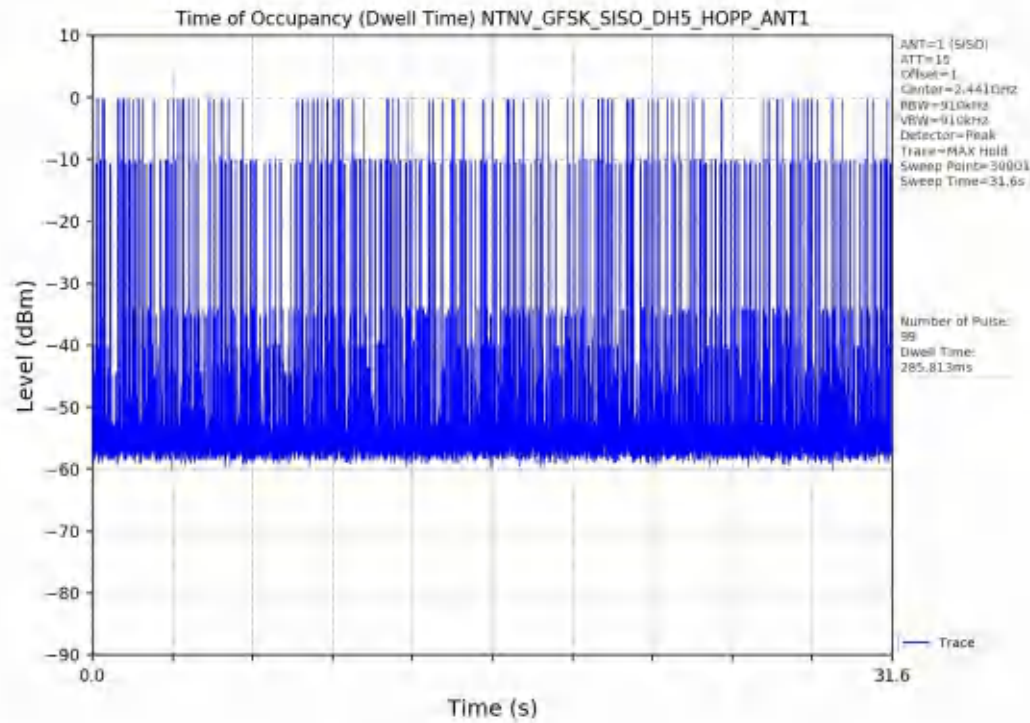
Test Mode	Packet Type	TX Type	ANT No.	Duration of Single Pulse (ms)	Observation Period (s)	Num of Pulse in Observation Period	Dwell Time (ms)	Limits (ms)	Verdict
GFSK	DH1	SISO	1	0.384	31.6	318	122.112	≤400	PASS
	DH3	SISO	1	1.641	31.6	153	251.073	≤400	PASS
	DH5	SISO	1	2.887	31.6	99	285.813	≤400	PASS
Pi/4DQPSK	2DH1	SISO	1	0.394	31.6	320	126.080	≤400	PASS
	2DH3	SISO	1	1.646	31.6	156	256.776	≤400	PASS
	2DH5	SISO	1	2.893	31.6	121	350.053	≤400	PASS
8DPSK	3DH1	SISO	1	6.670	31.6	53	353.510	≤400	PASS
	3DH3	SISO	1	0.652	31.6	161	104.972	≤400	PASS
	3DH5	SISO	1	0.897	31.6	107	95.979	≤400	PASS

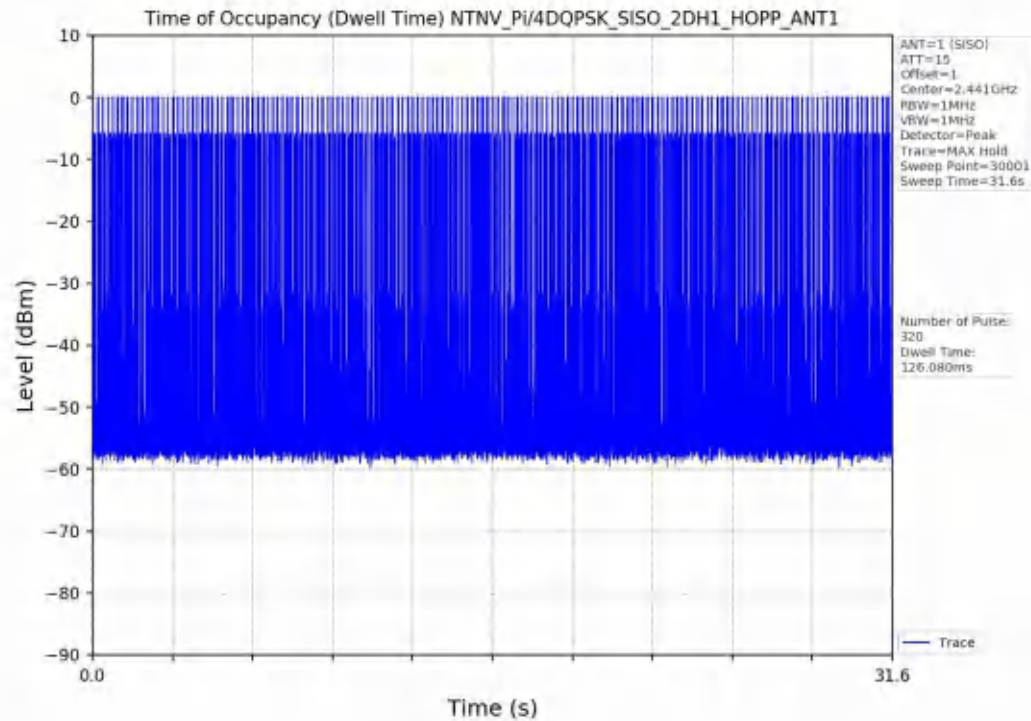
5.2 Test Graph

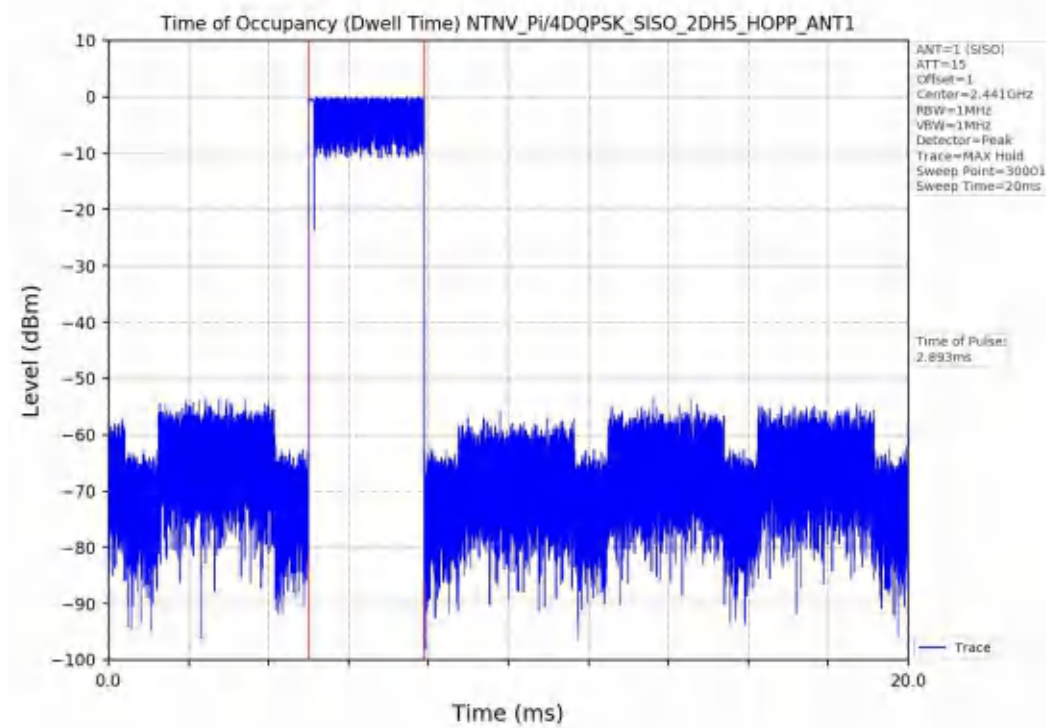
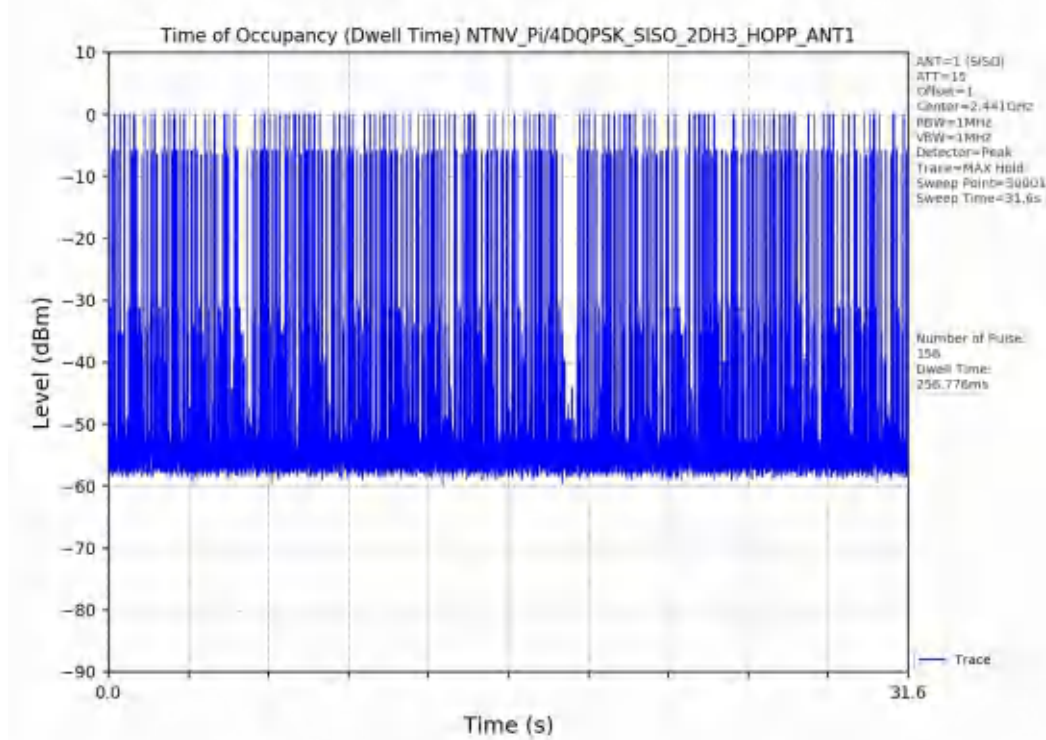


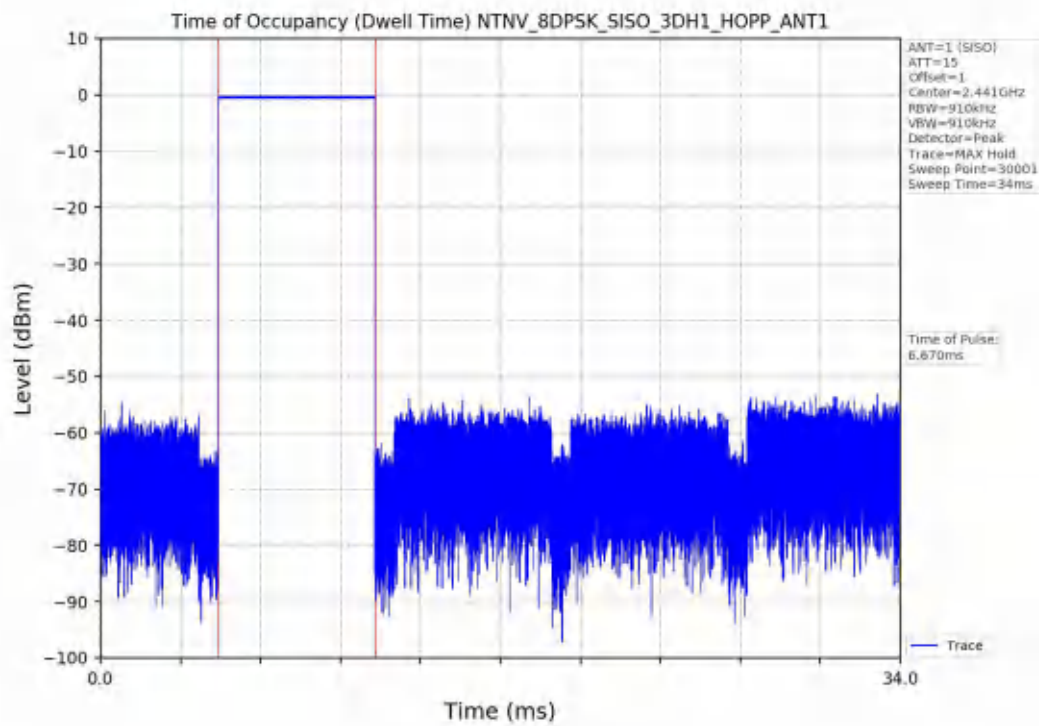
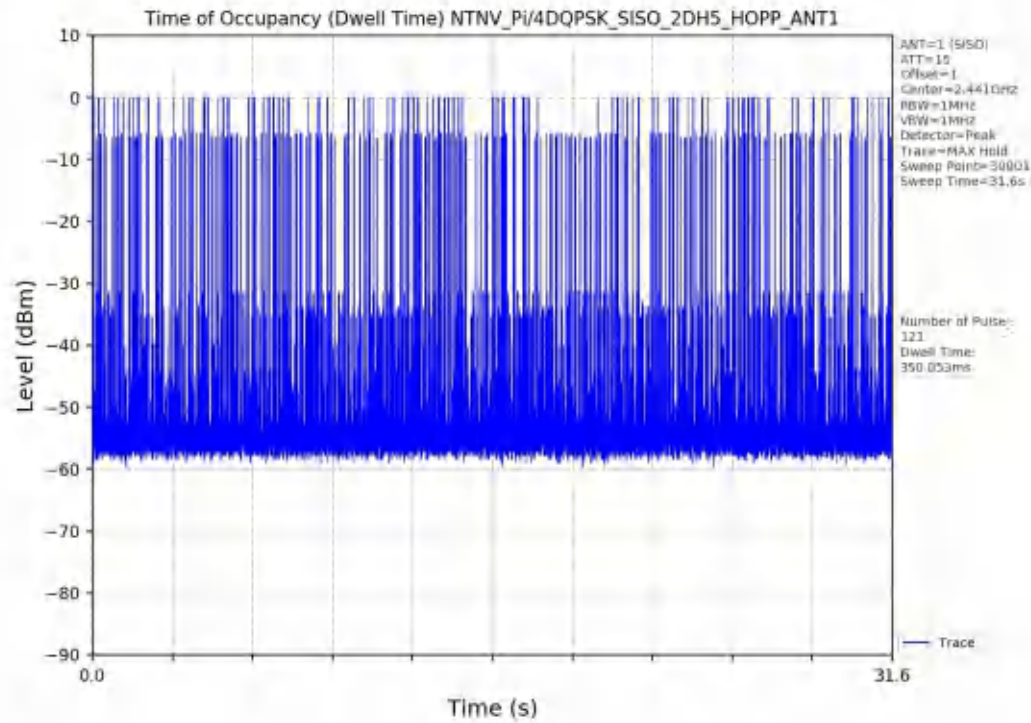


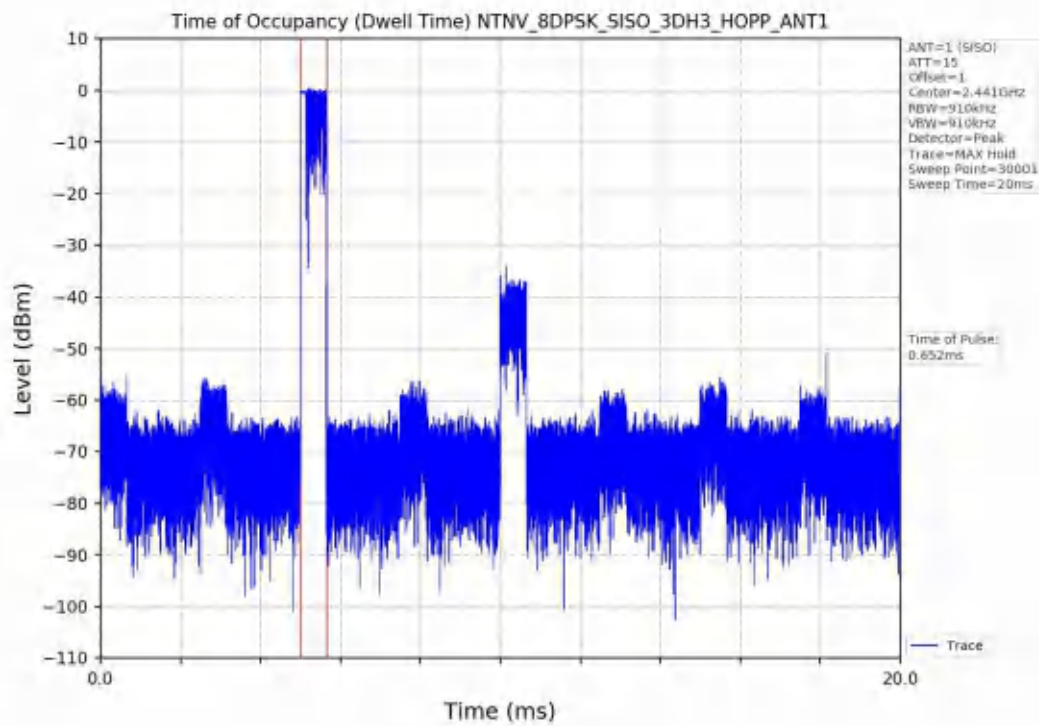
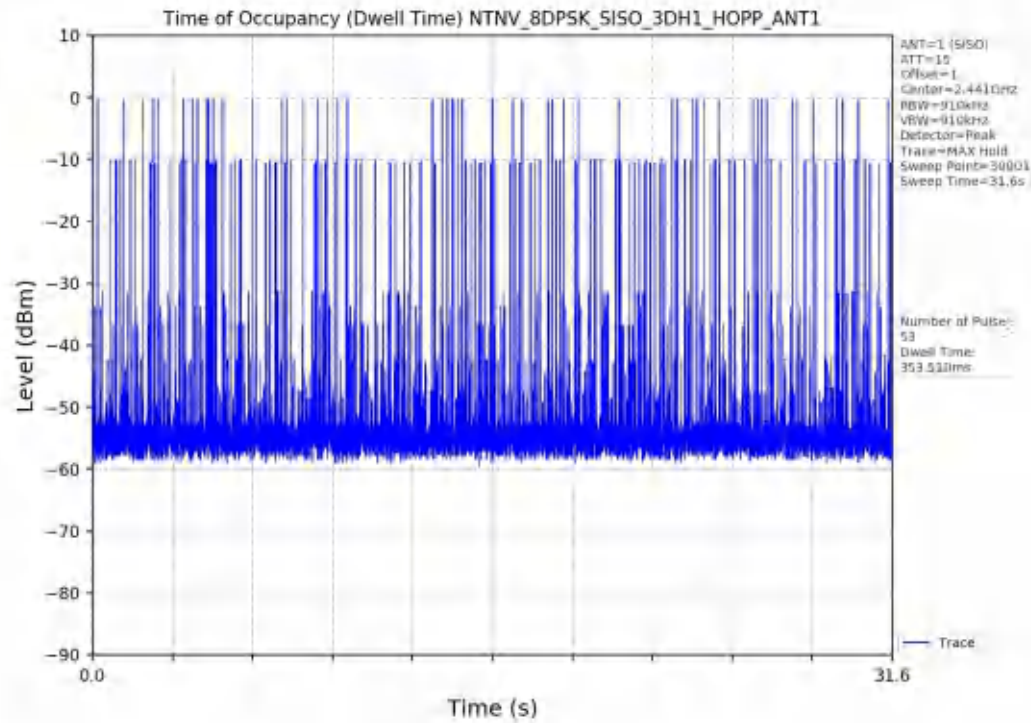


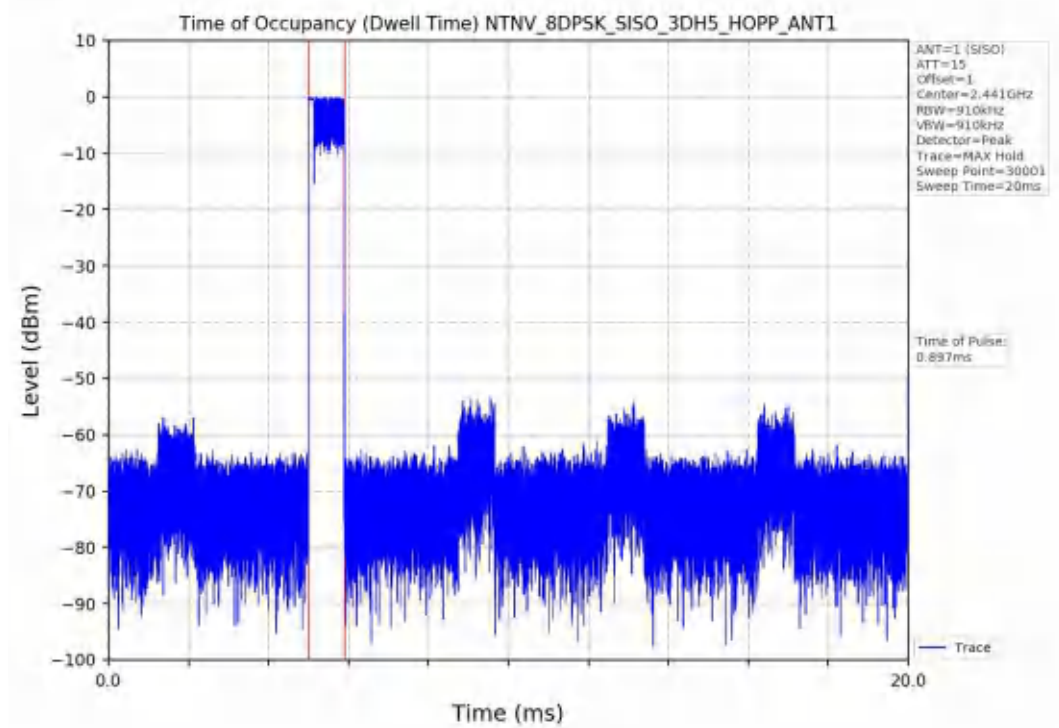
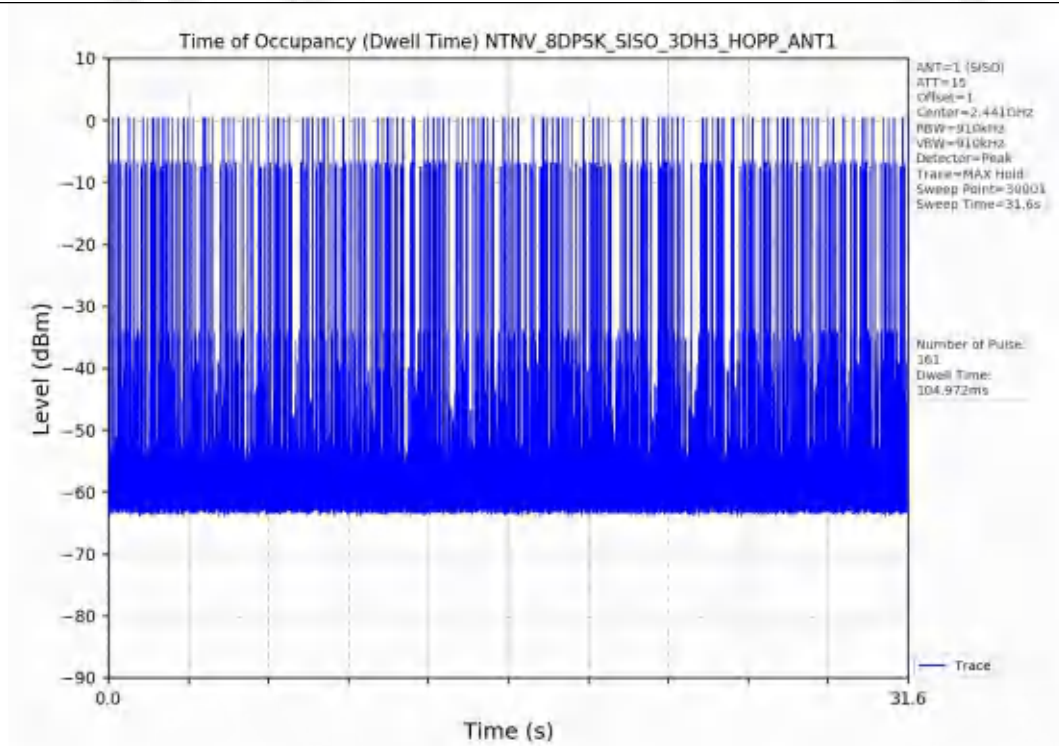


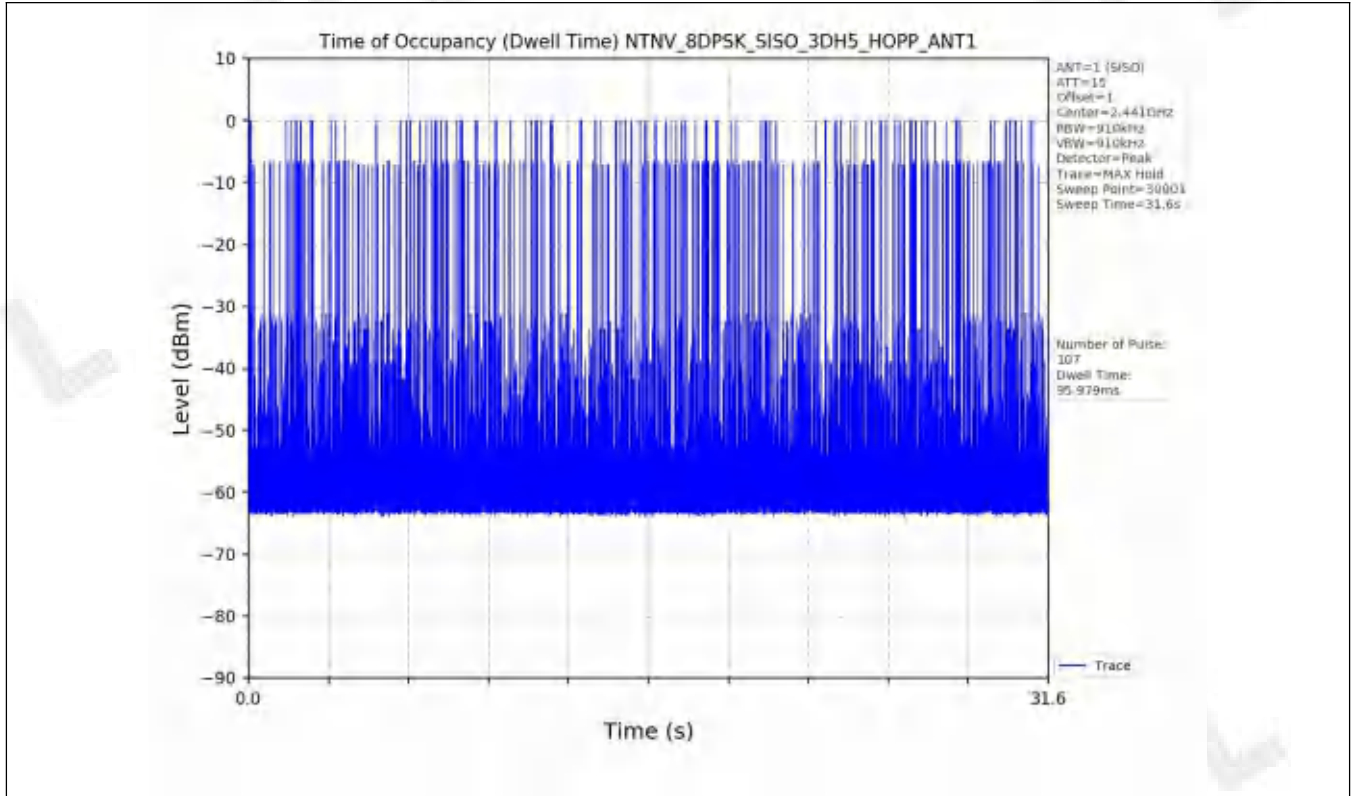












6. Unwanted Emissions in Non-restricted Frequency Bands

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	-20.25	PASS
	2441	SISO	1	Refer to test graph	-20.25	PASS
	2480	SISO	1	Refer to test graph	-20.25	PASS
	Hopping	SISO	1	Refer to test graph	-20.25	PASS
Pi/4DQPSK	2402	SISO	1	Refer to test graph	-20.10	PASS
	2441	SISO	1	Refer to test graph	-20.10	PASS
	2480	SISO	1	Refer to test graph	-20.10	PASS
	Hopping	SISO	1	Refer to test graph	-20.10	PASS
8DPSK	2402	SISO	1	Refer to test graph	-19.94	PASS
	2441	SISO	1	Refer to test graph	-19.94	PASS
	2480	SISO	1	Refer to test graph	-19.94	PASS

	Hopping	SISO	1	Refer to test graph	-19.94	PASS
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6.2 Test Graph

