

Appendix for 15.247

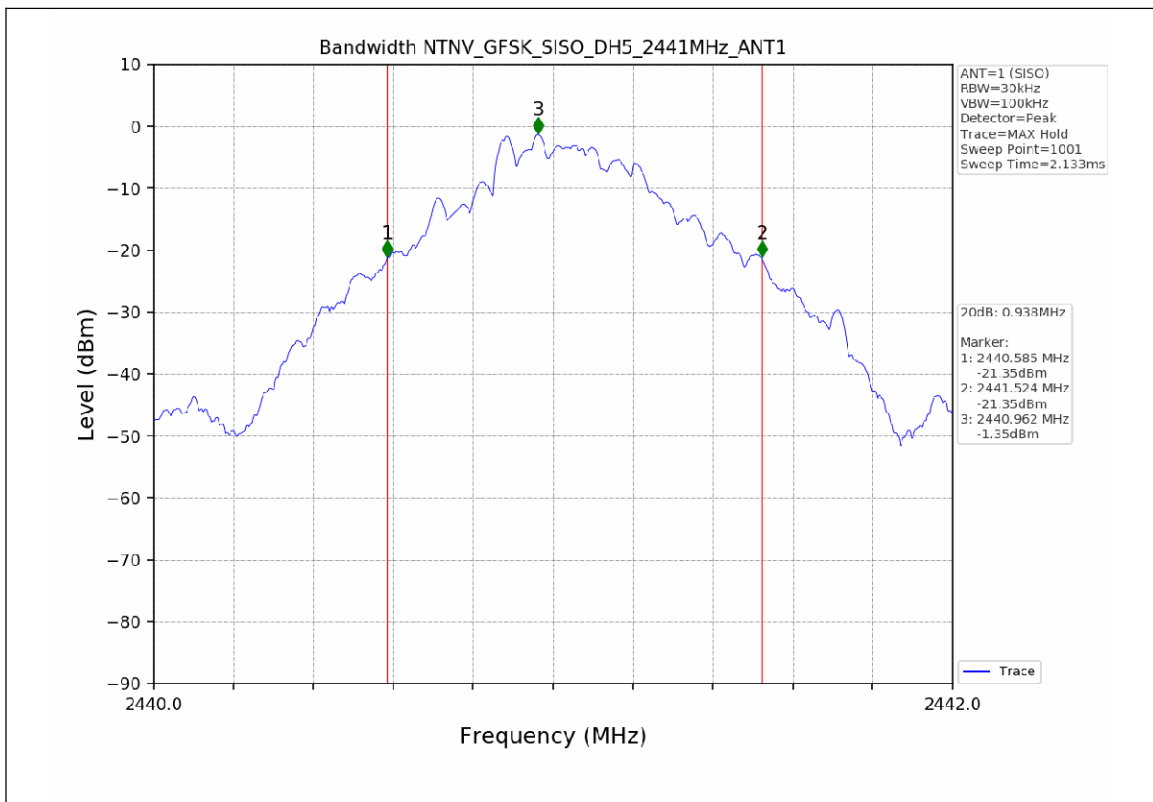
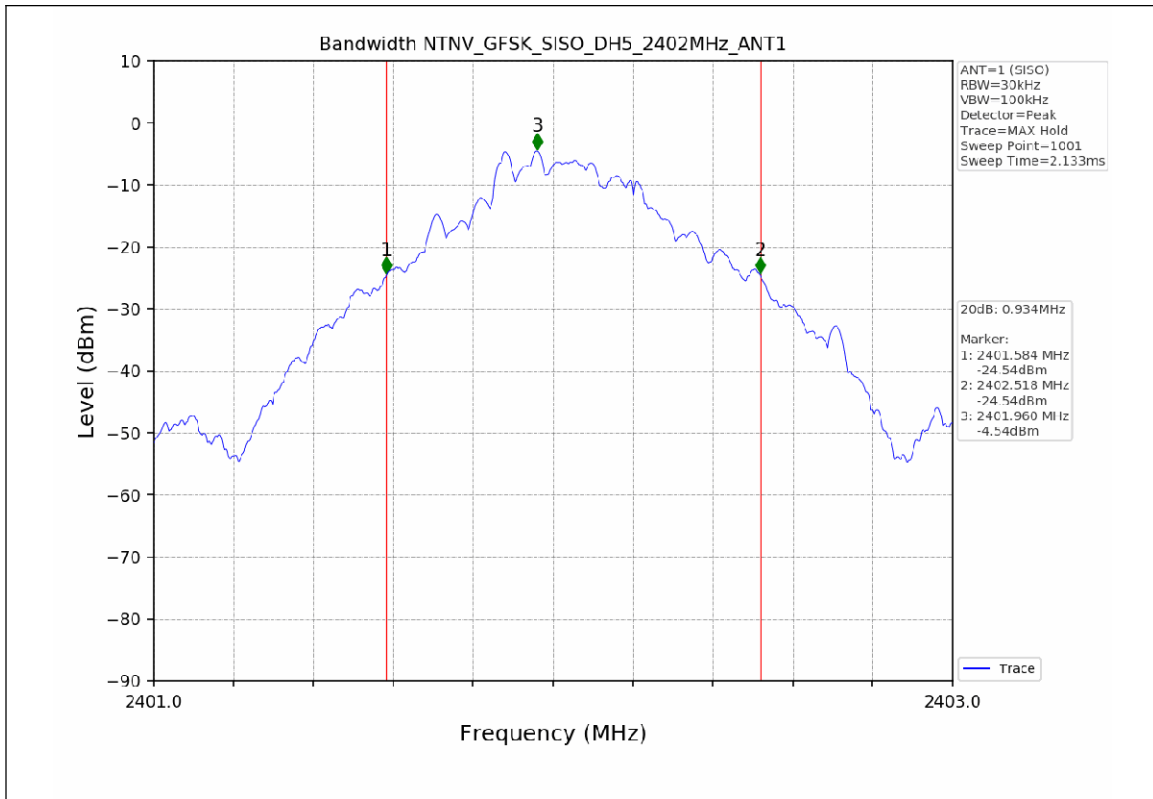
1. Bandwidth

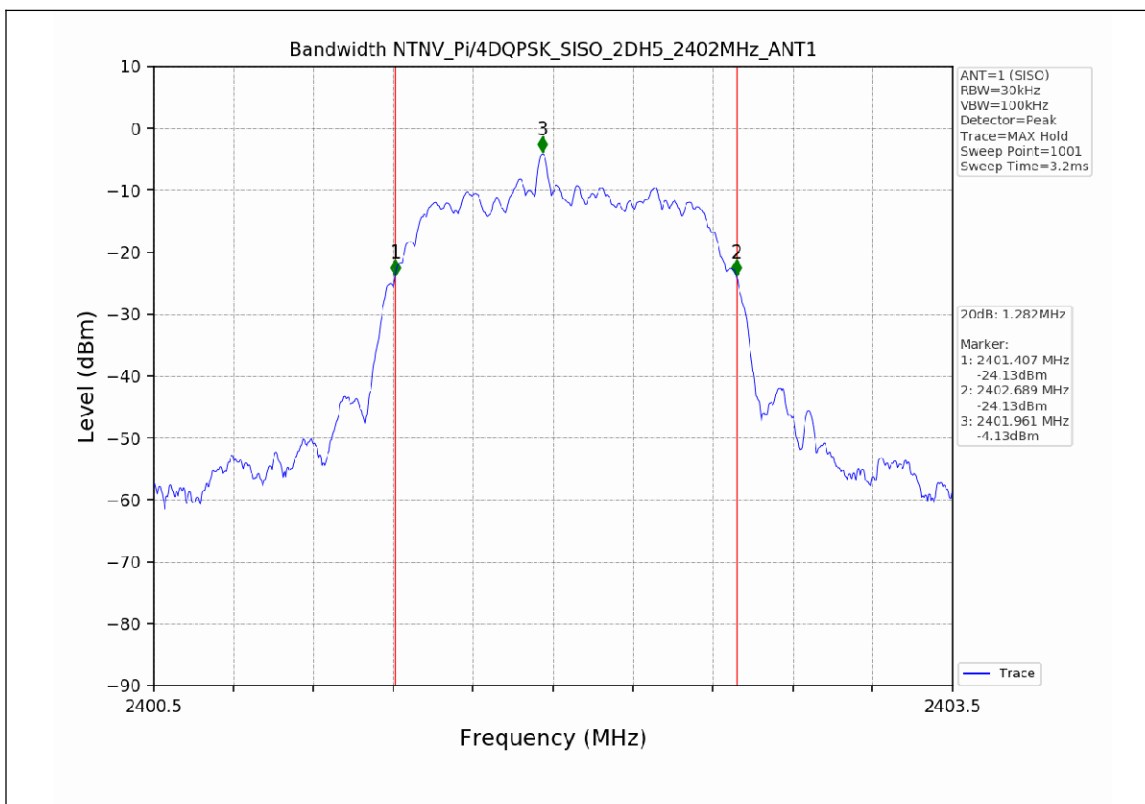
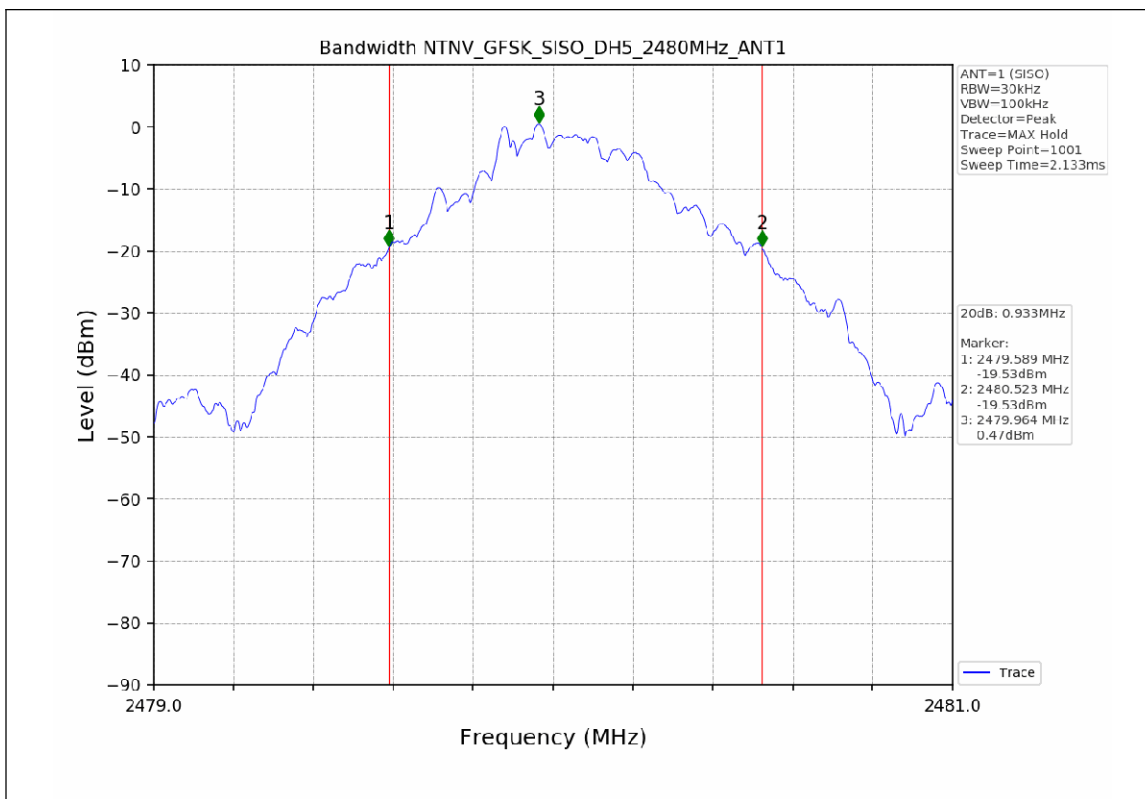
1.1 Test Result

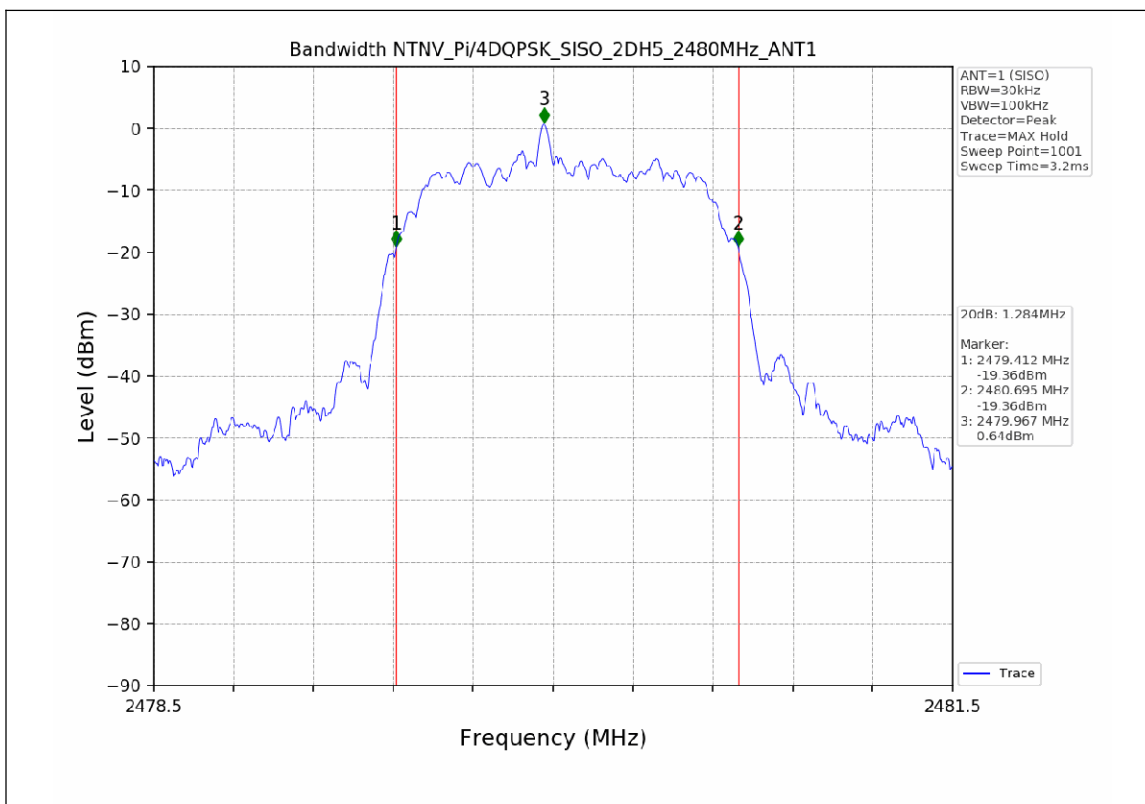
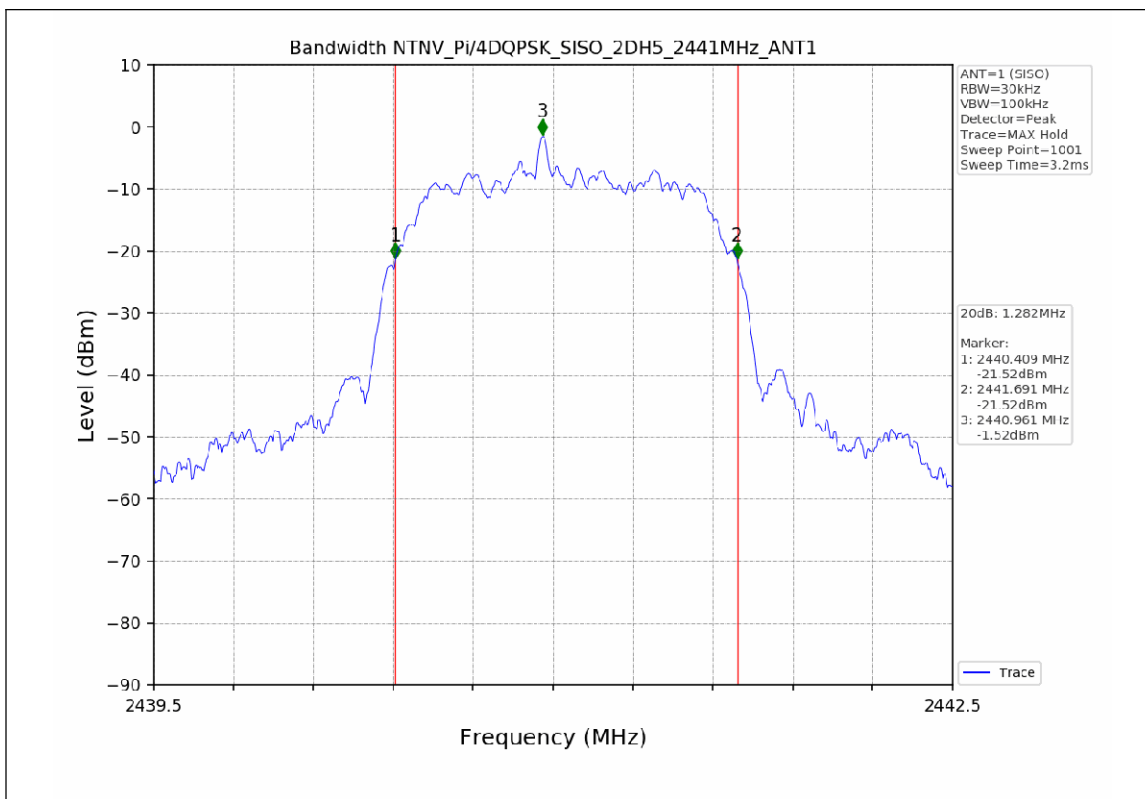
Test Mode	Frequency (MHz)	TX Type	ANT No.	20dB Bandwidth	Verdict
				Test Result (MHz)	
GFSK	2402	SISO	1	0.934	PASS
	2441	SISO	1	0.938	PASS
	2480	SISO	1	0.933	PASS
Pi/4DQPSK	2402	SISO	1	1.282	PASS
	2441	SISO	1	1.282	PASS
	2480	SISO	1	1.284	PASS
8DPSK	2402	SISO	1	1.292	PASS
	2441	SISO	1	1.293	PASS
	2480	SISO	1	1.291	PASS

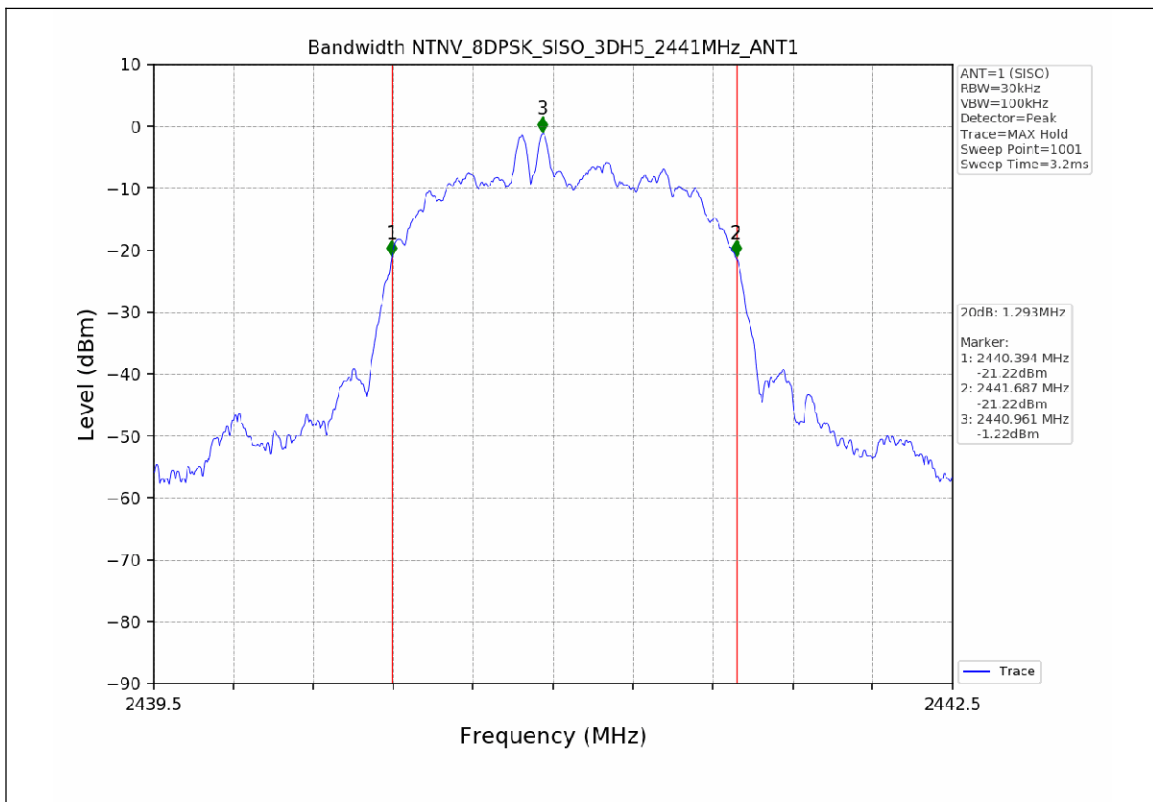
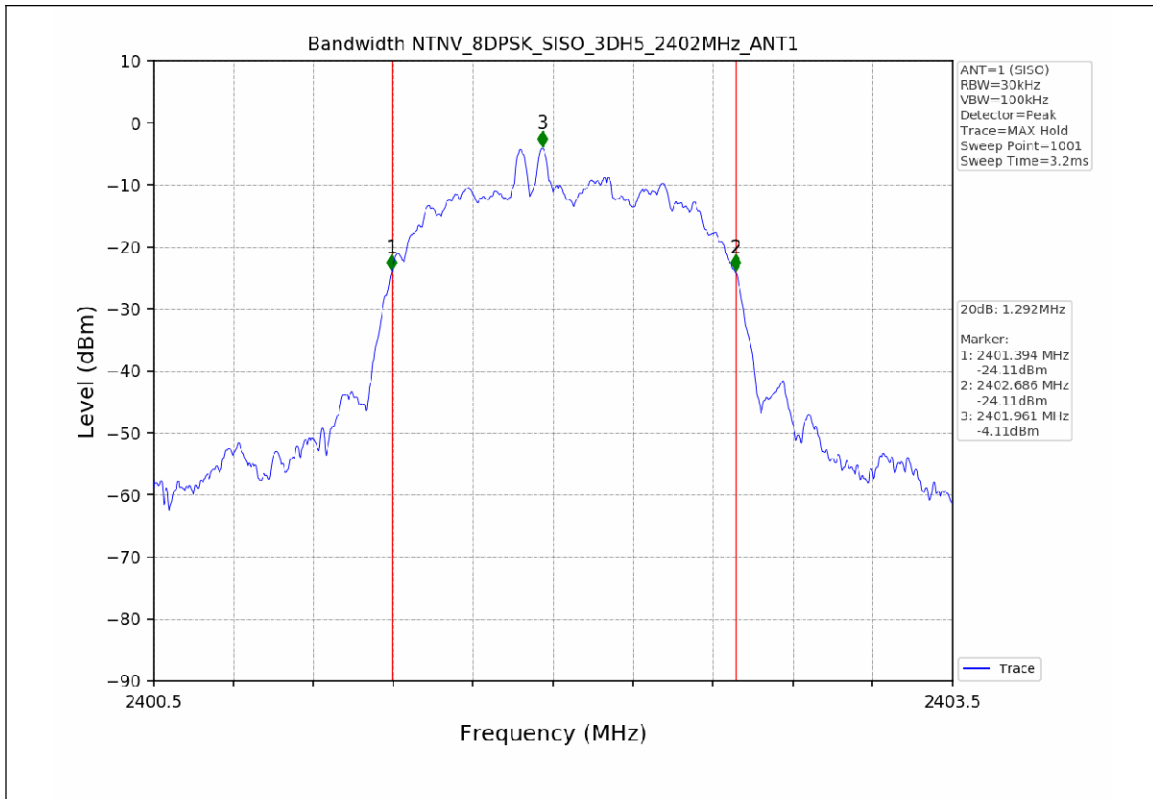
Test Mode	Frequency (MHz)	TX Type	ANT No.	99% Occupied Bandwidth	
				Test Result (MHz)	
GFSK	2402	SISO	1	0.851	Only for Report Use
	2441	SISO	1	0.849	Only for Report Use
	2480	SISO	1	0.847	Only for Report Use
Pi/4DQPSK	2402	SISO	1	1.181	Only for Report Use
	2441	SISO	1	1.182	Only for Report Use
	2480	SISO	1	1.182	Only for Report Use
8DPSK	2402	SISO	1	1.180	Only for Report Use
	2441	SISO	1	1.181	Only for Report Use
	2480	SISO	1	1.181	Only for Report Use

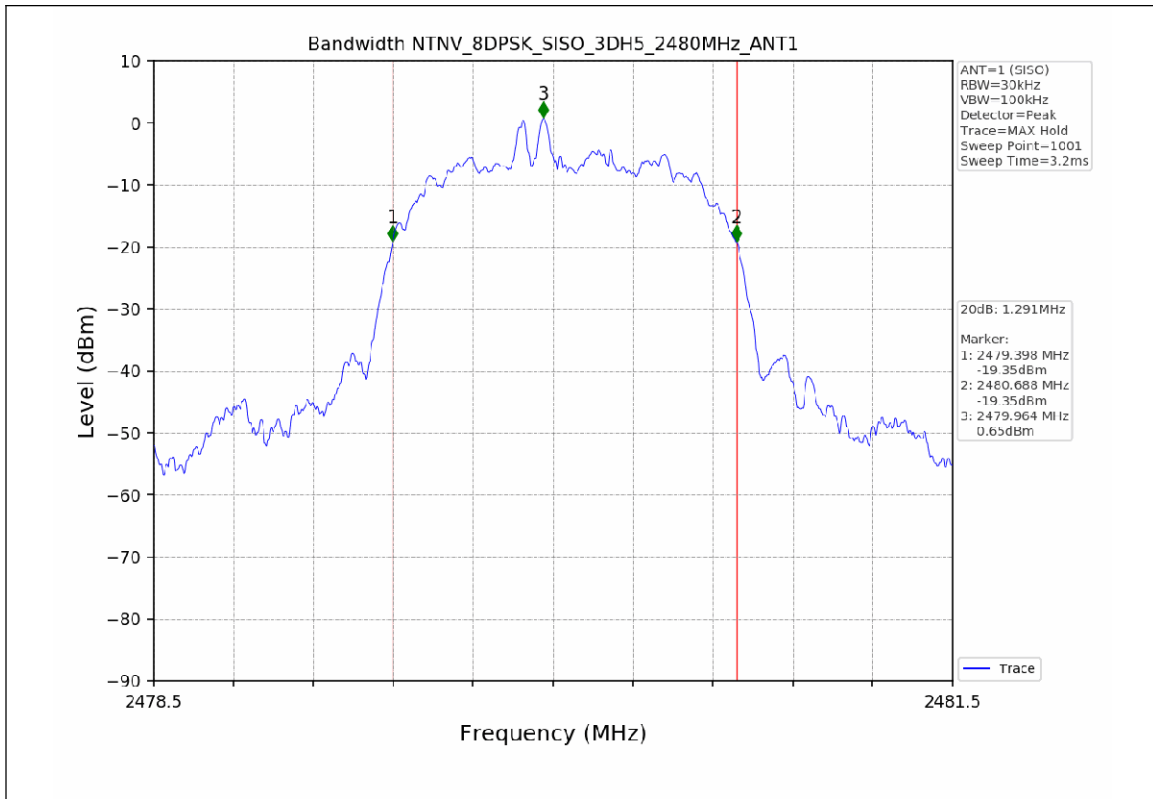
1.2 Test Graph - 20dB Bandwidth



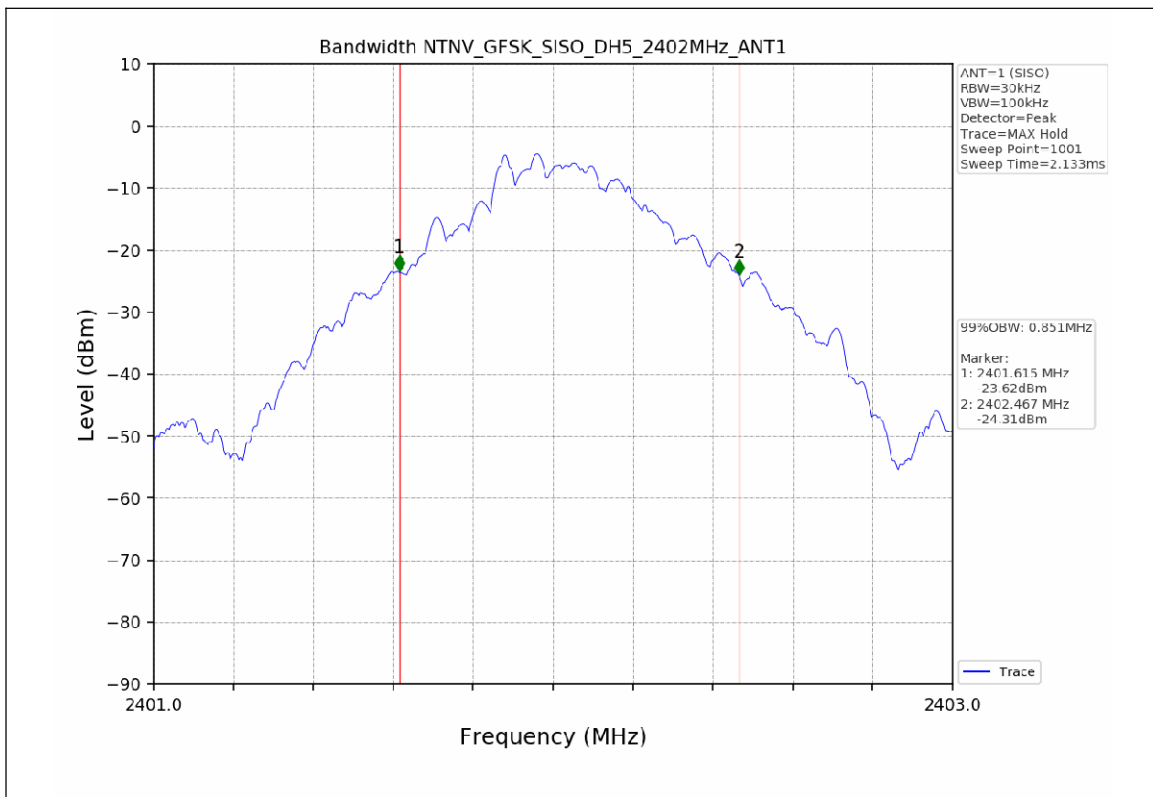


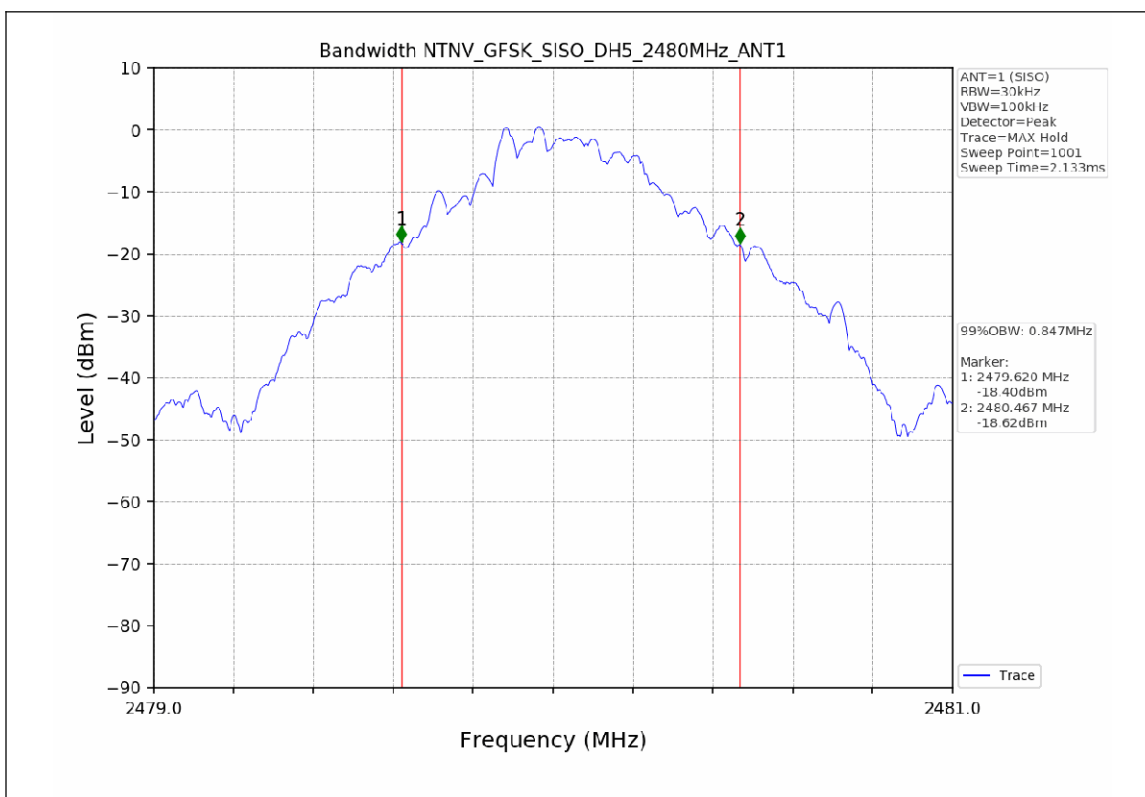
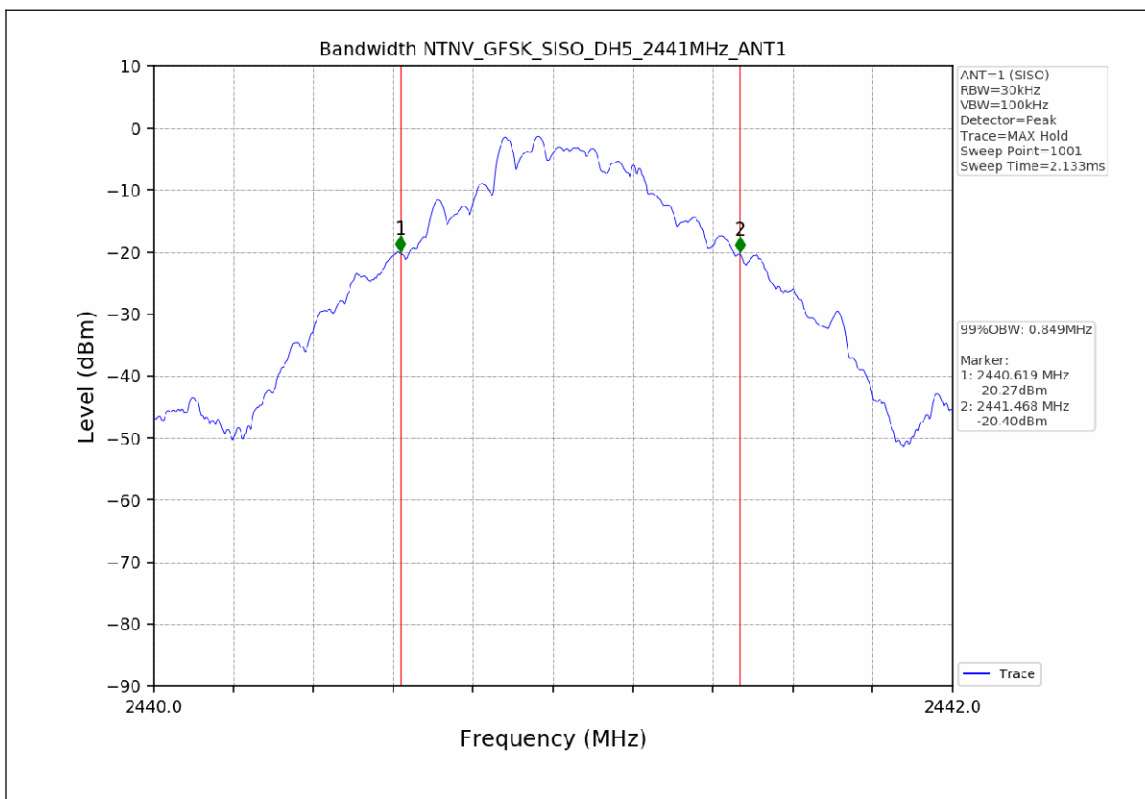


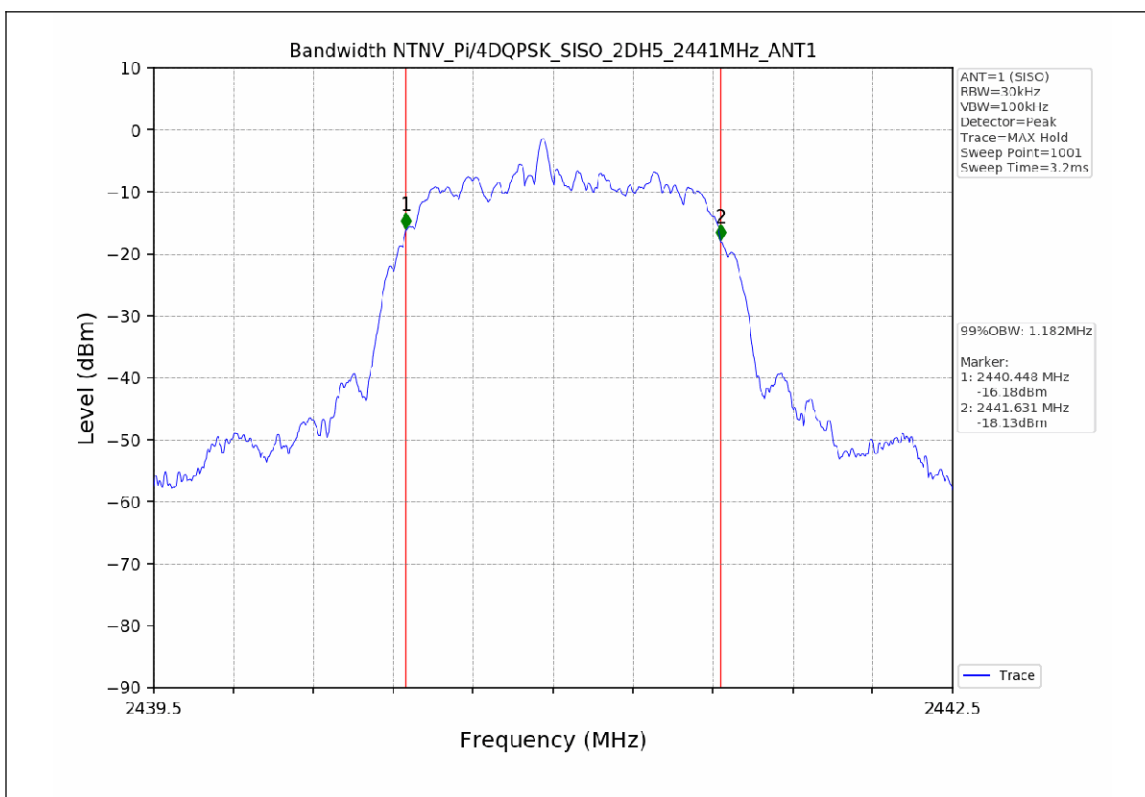
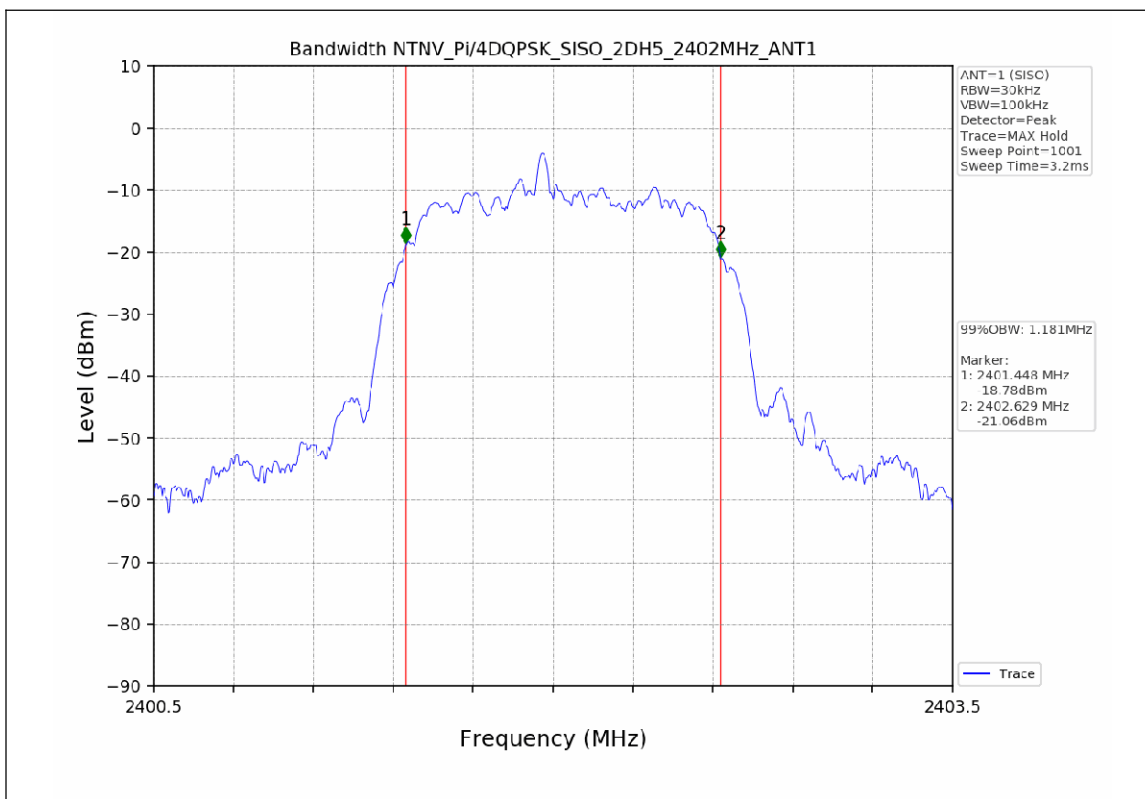


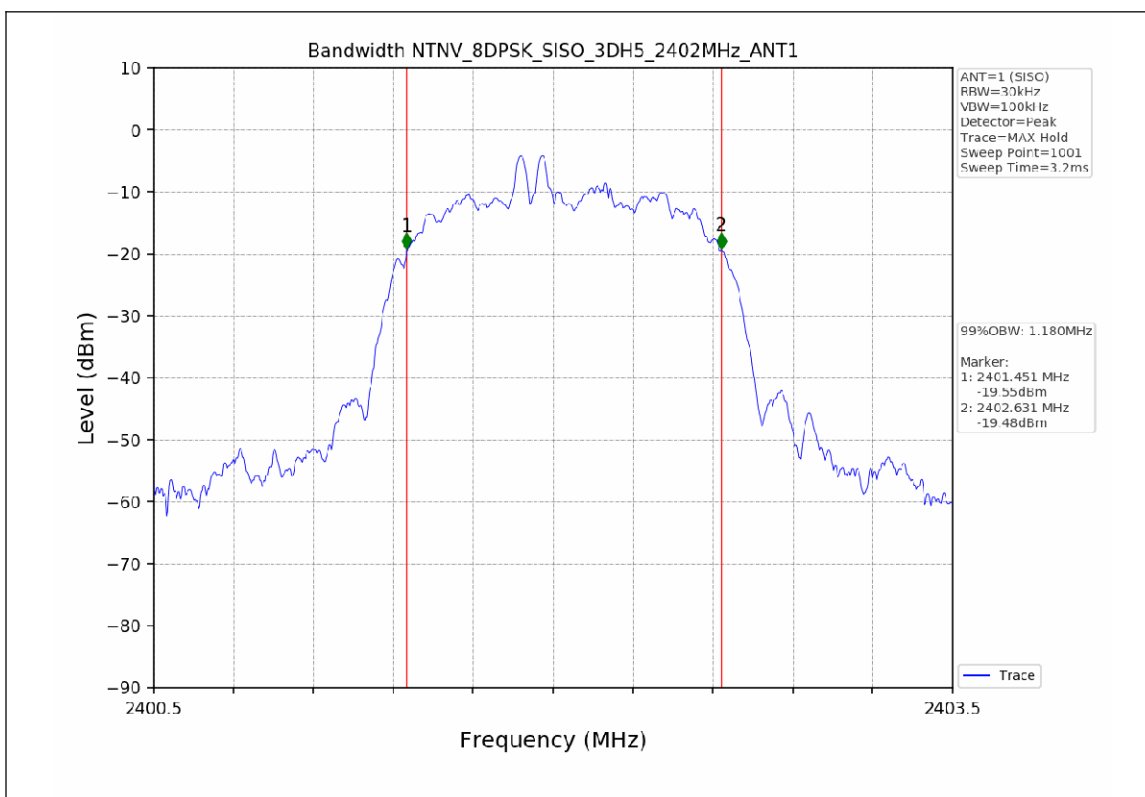
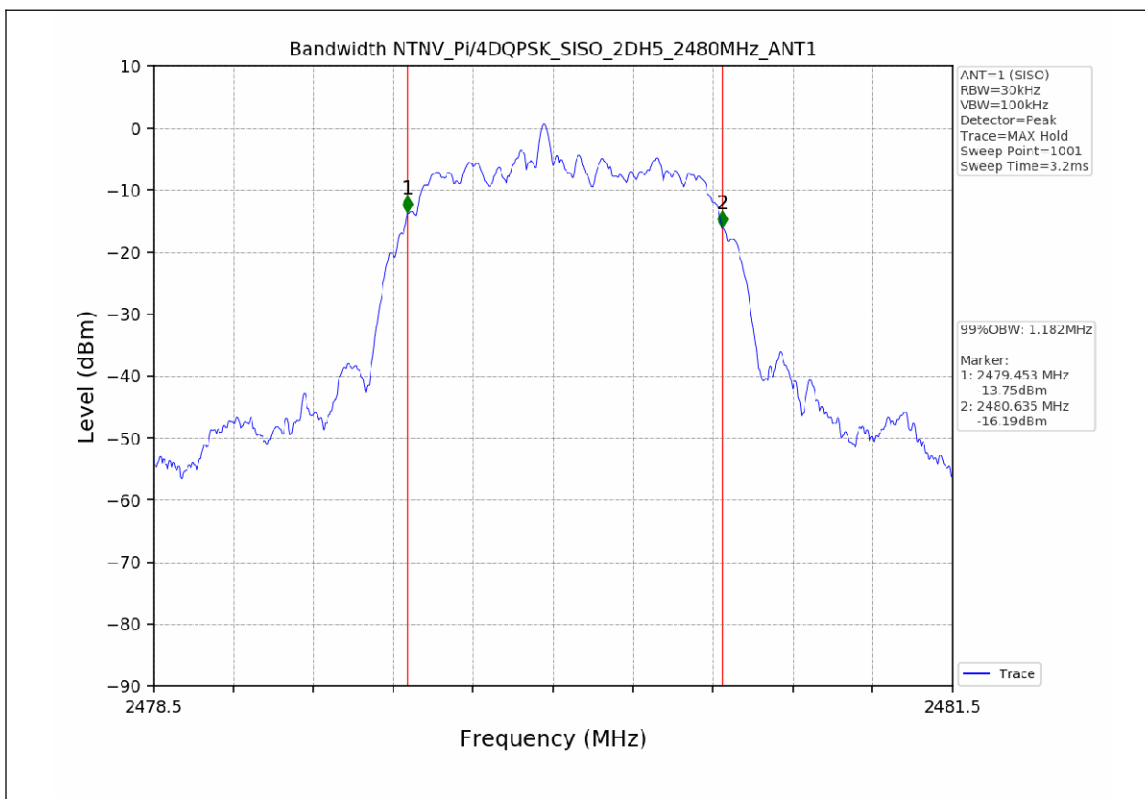


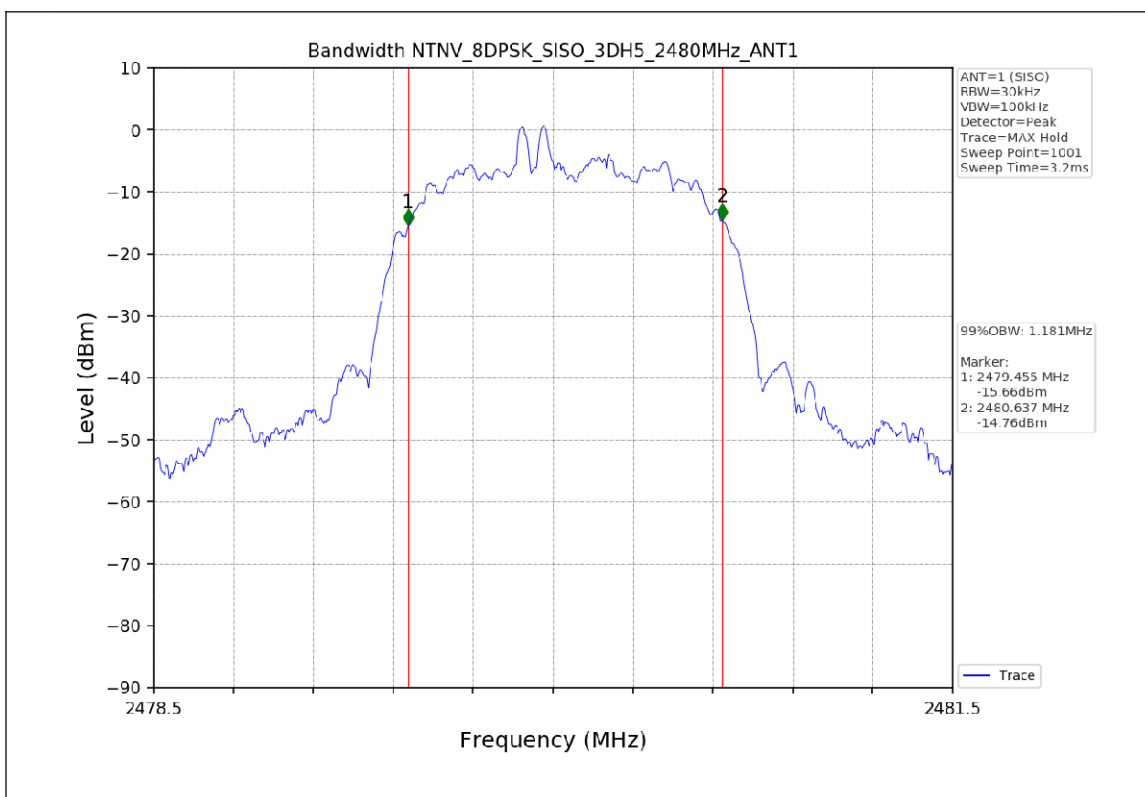
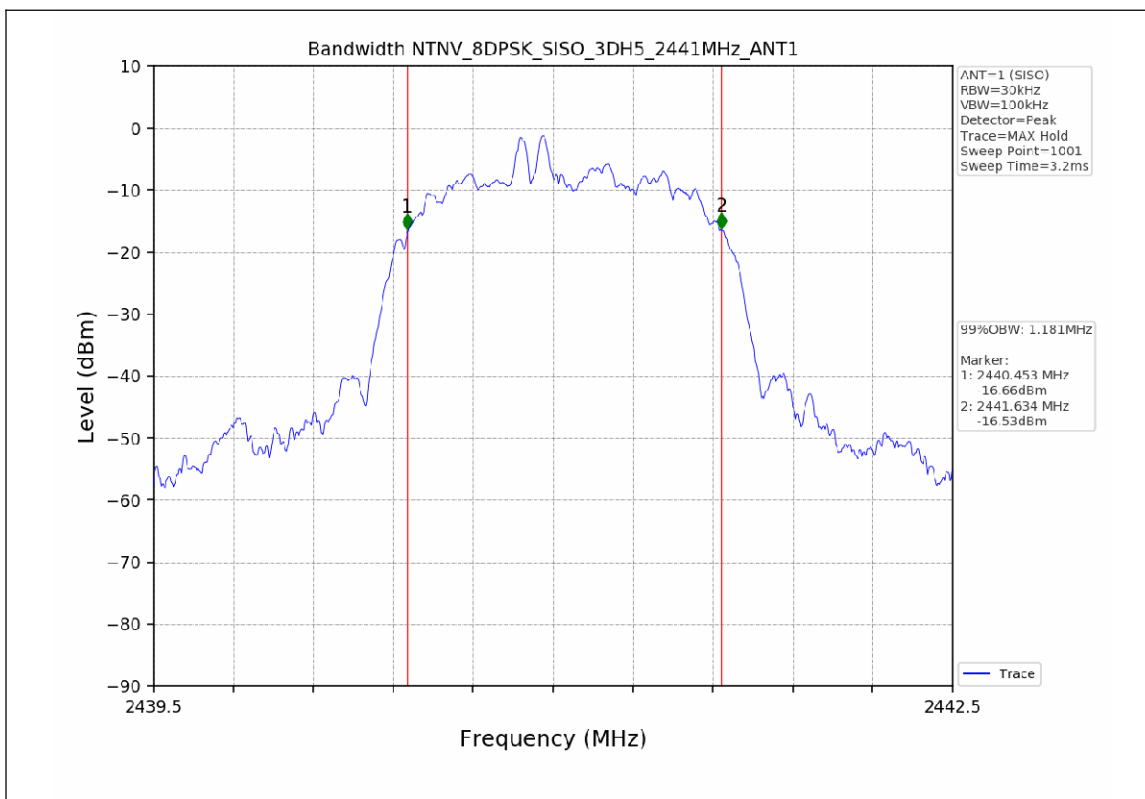
1.3 Test Graph - 99% Occupied Bandwidth









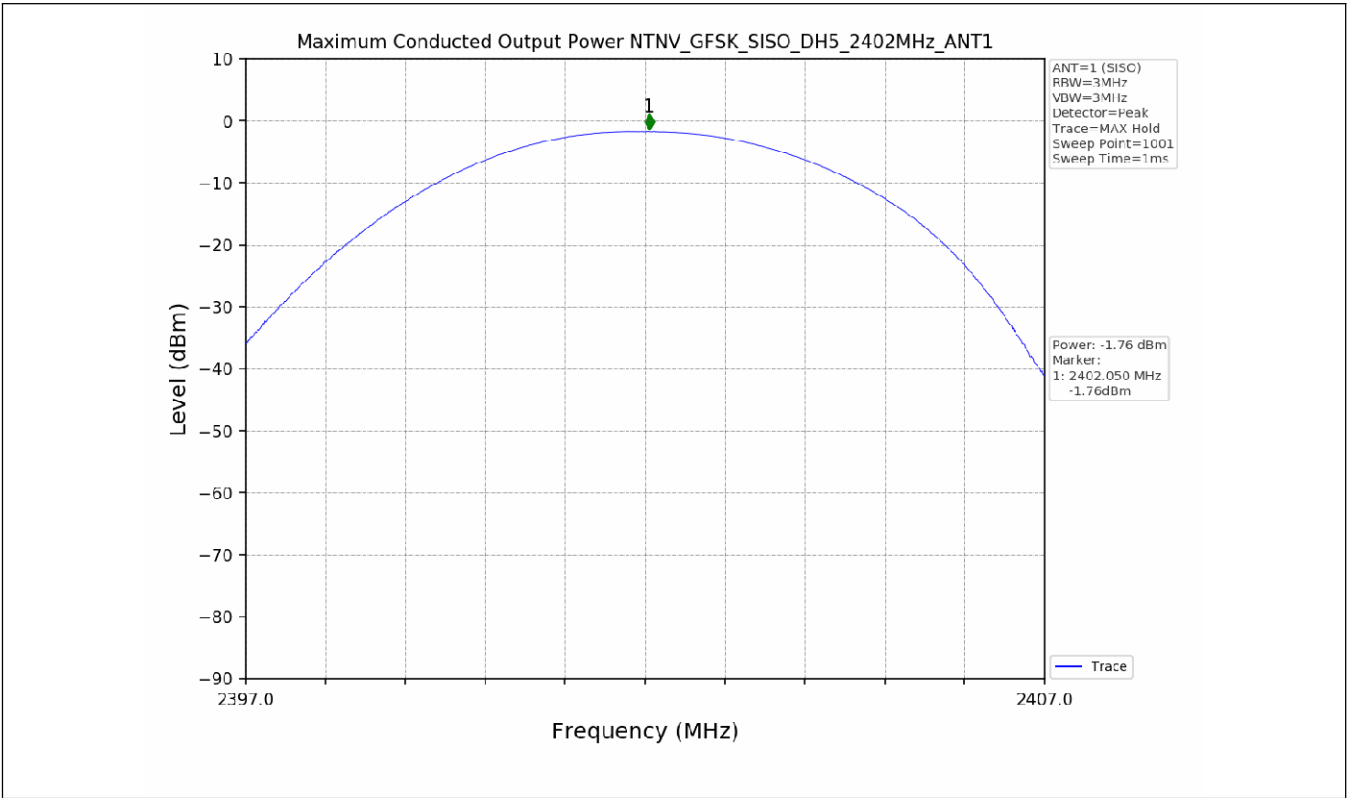


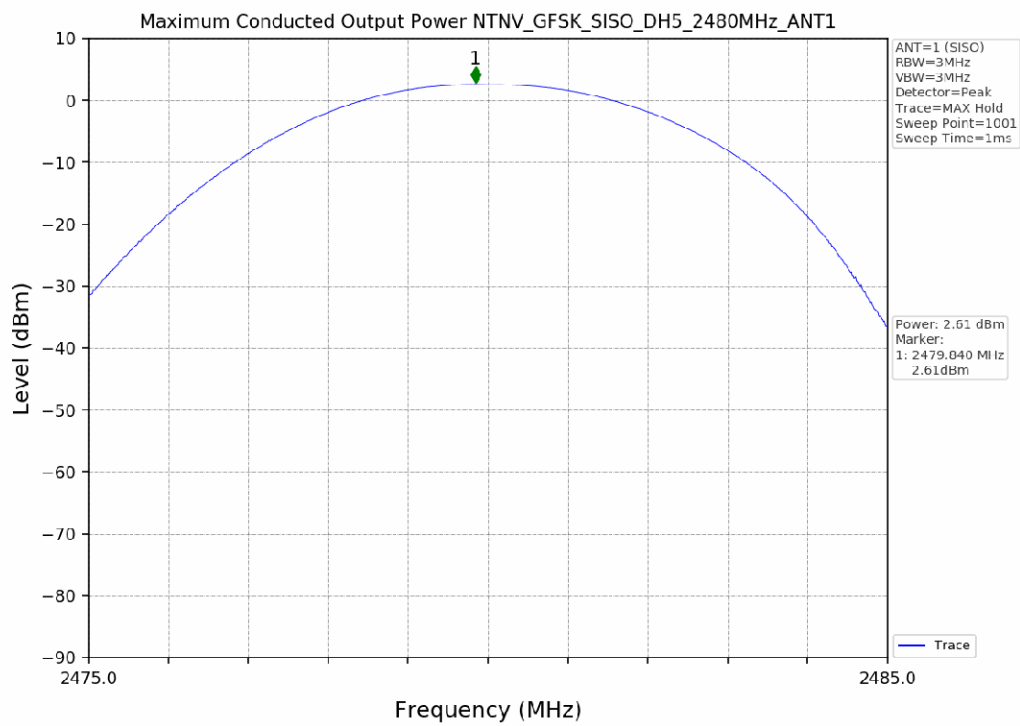
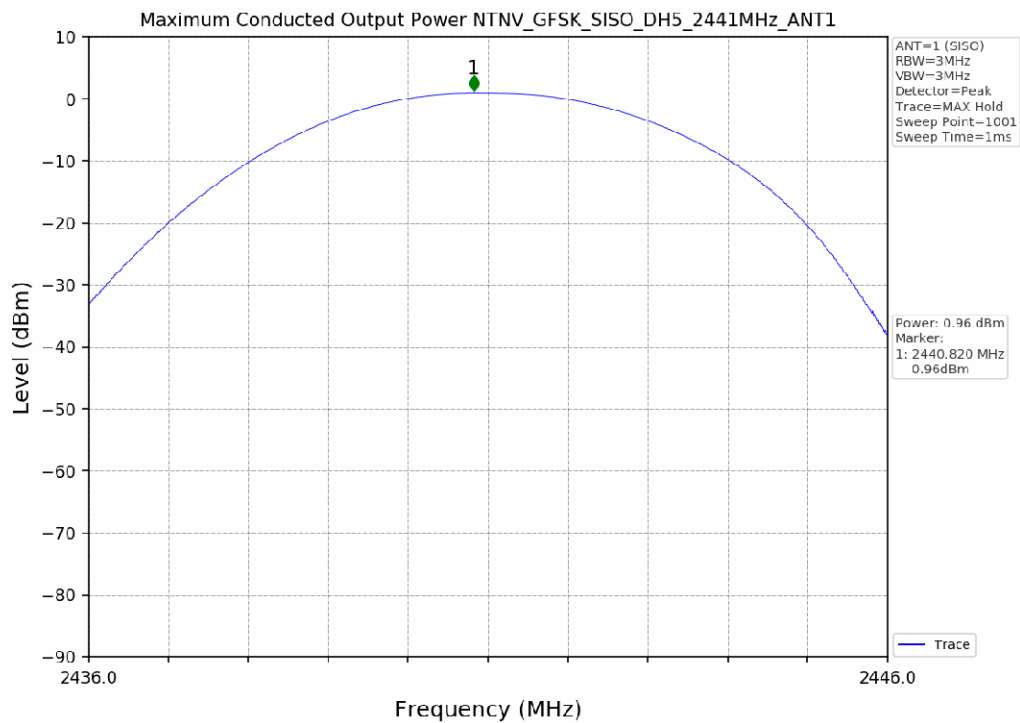
2. Maximum Conducted Output Power

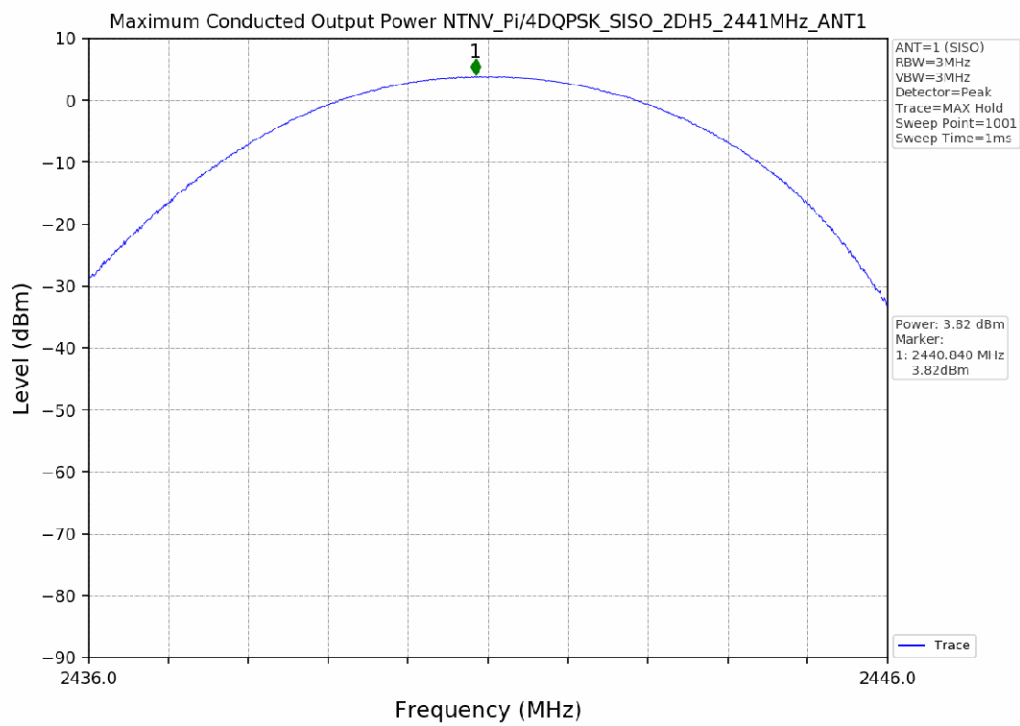
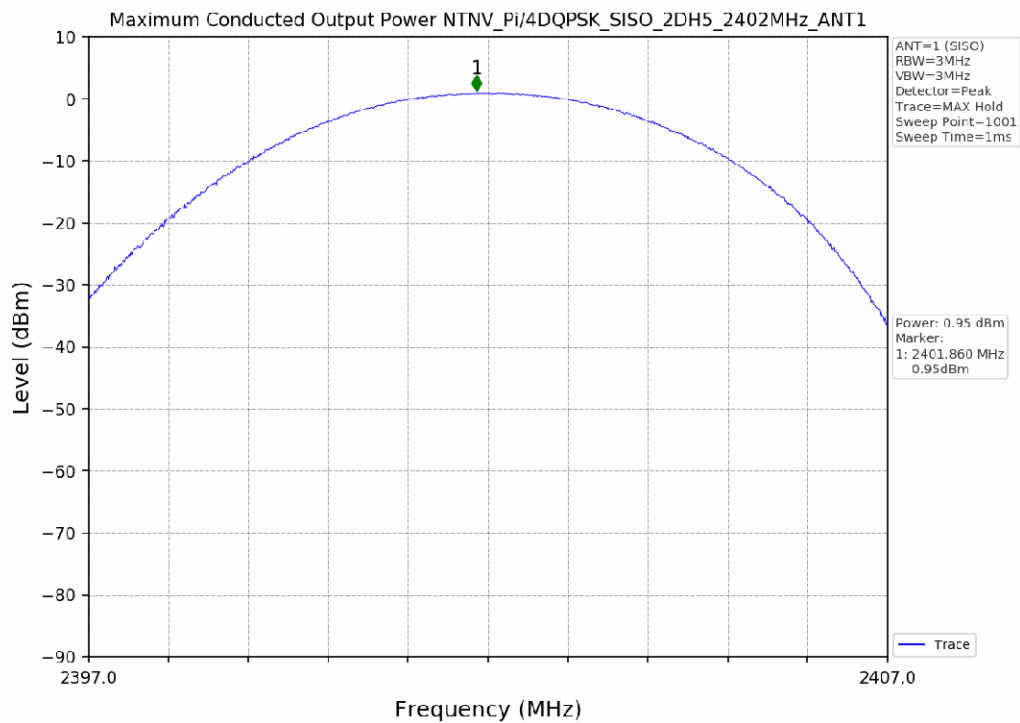
2.1 Test Result

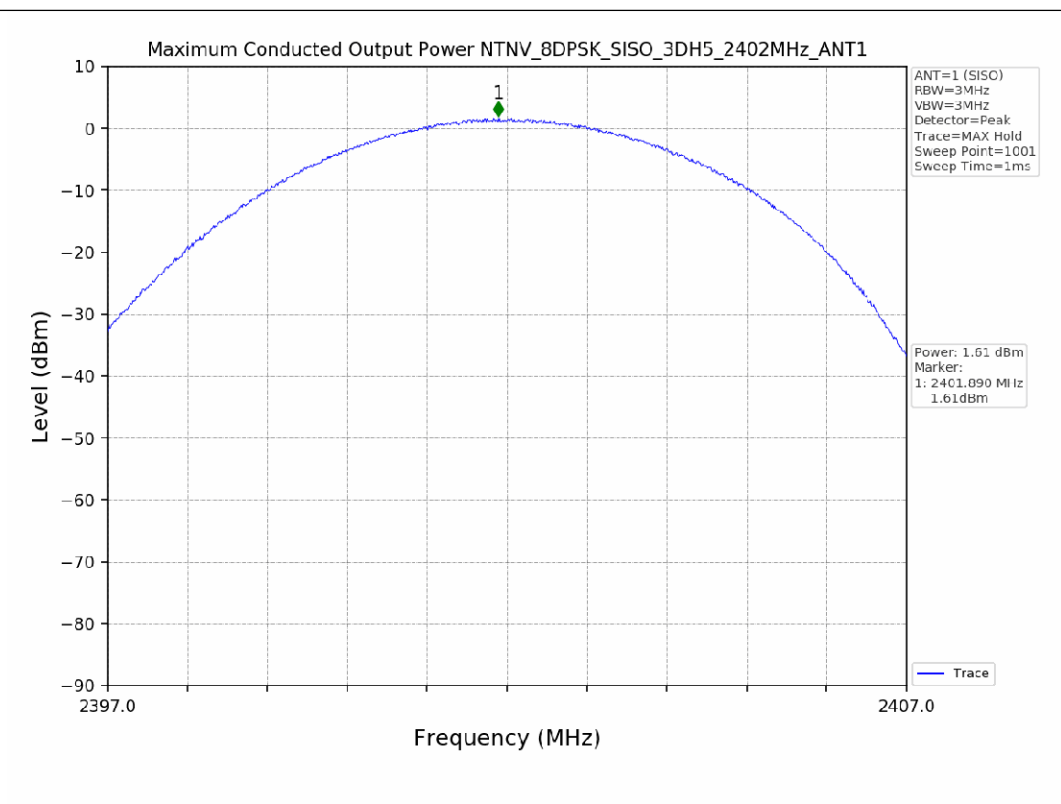
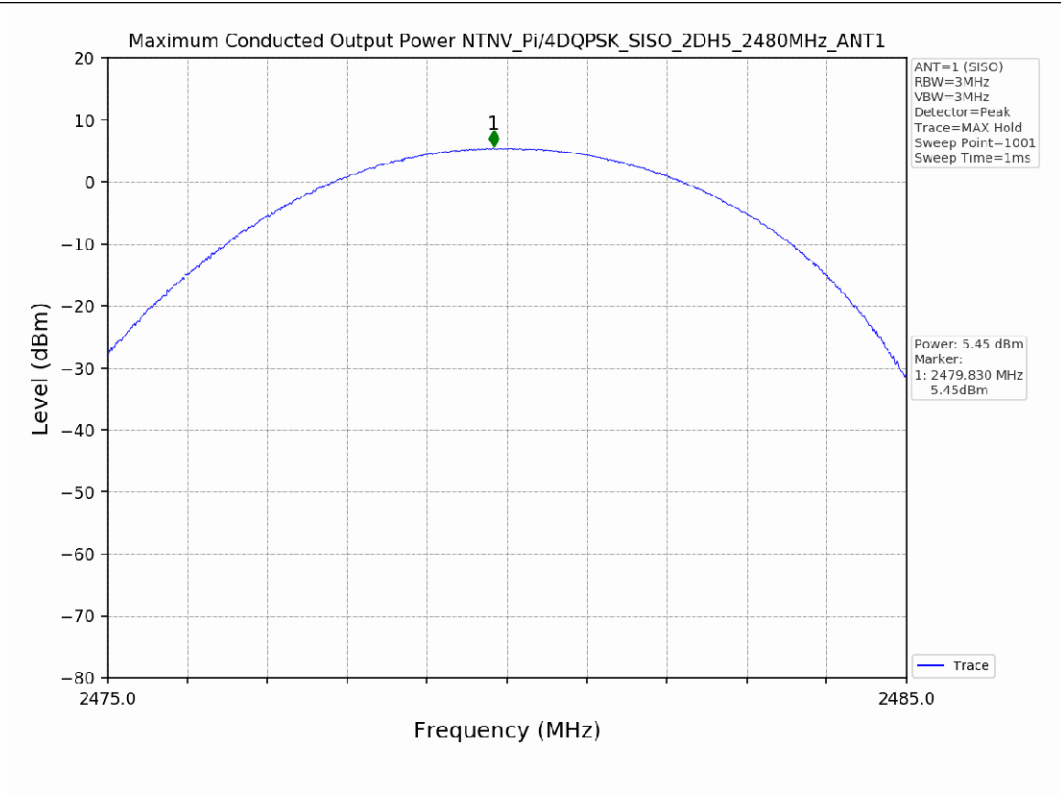
Test Mode	Frequency (MHz)	Tx Type	Measured Peak Output Power (dBm)	Limits (dBm)	Verdict
			Ant 1		
GFSK	2402	SISO	-1.76	30	PASS
	2441	SISO	0.96	30	PASS
	2480	SISO	2.61	30	PASS
Pi/4DQPSK	2402	SISO	0.95	20.97	PASS
	2441	SISO	3.82	20.97	PASS
	2480	SISO	5.45	20.97	PASS
8DPSK	2402	SISO	1.61	20.97	PASS
	2441	SISO	4.48	20.97	PASS
	2480	SISO	5.96	20.97	PASS

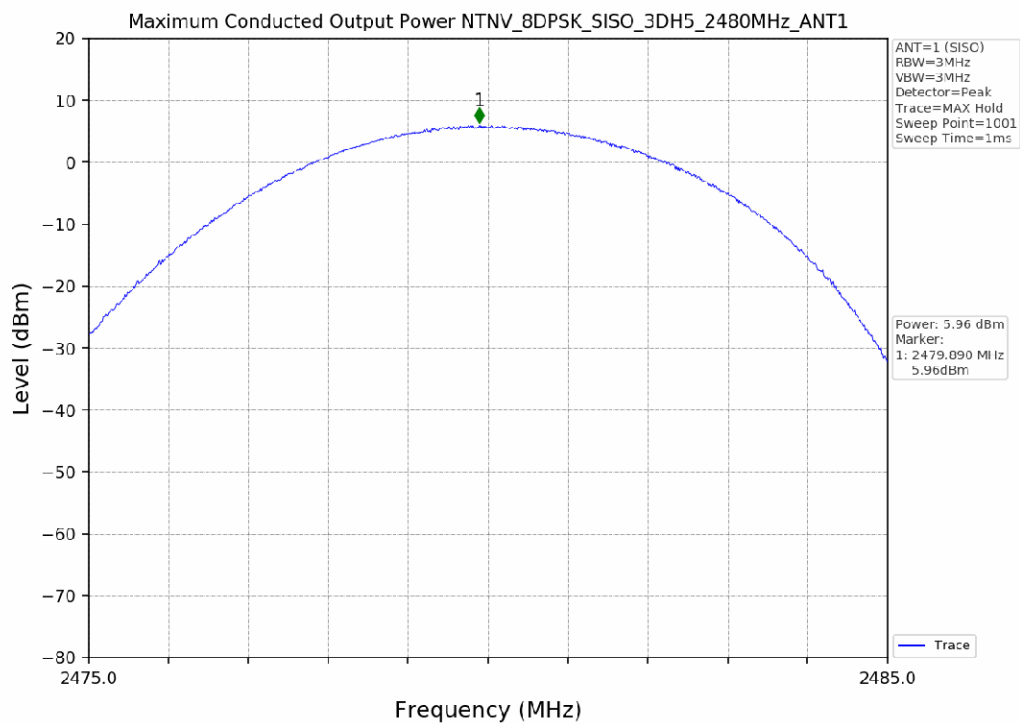
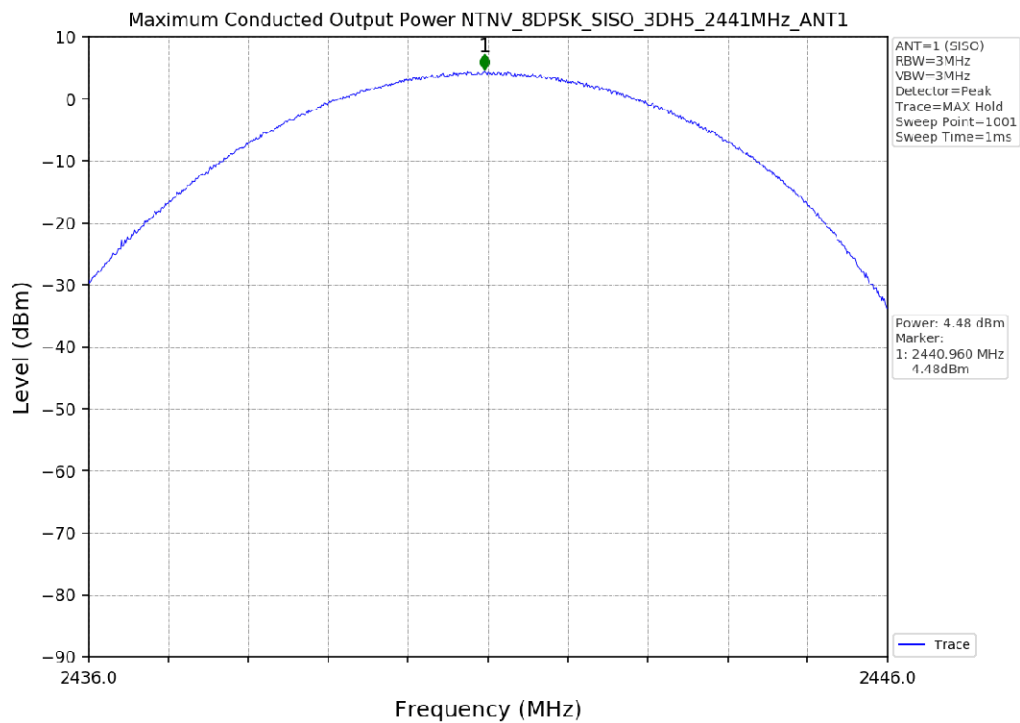
2.2 Test Graph









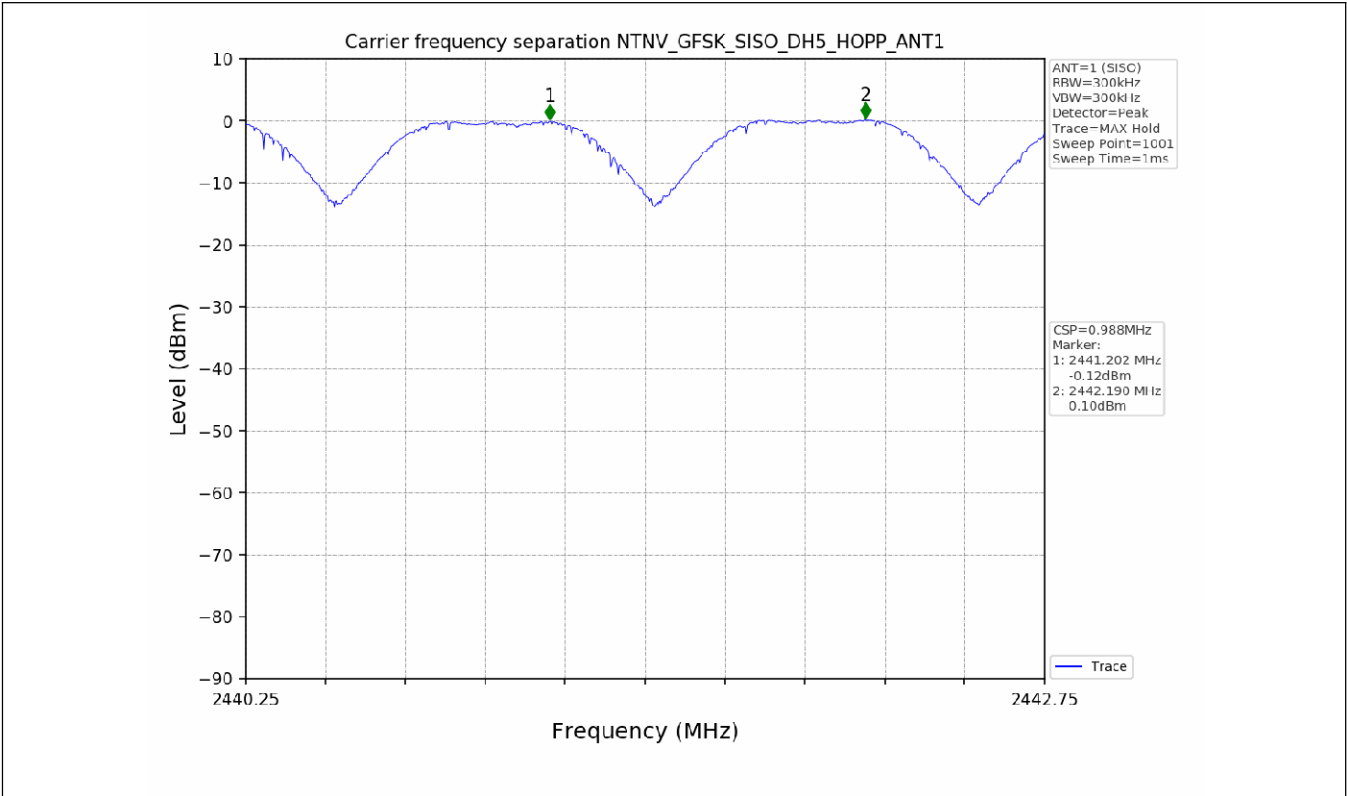


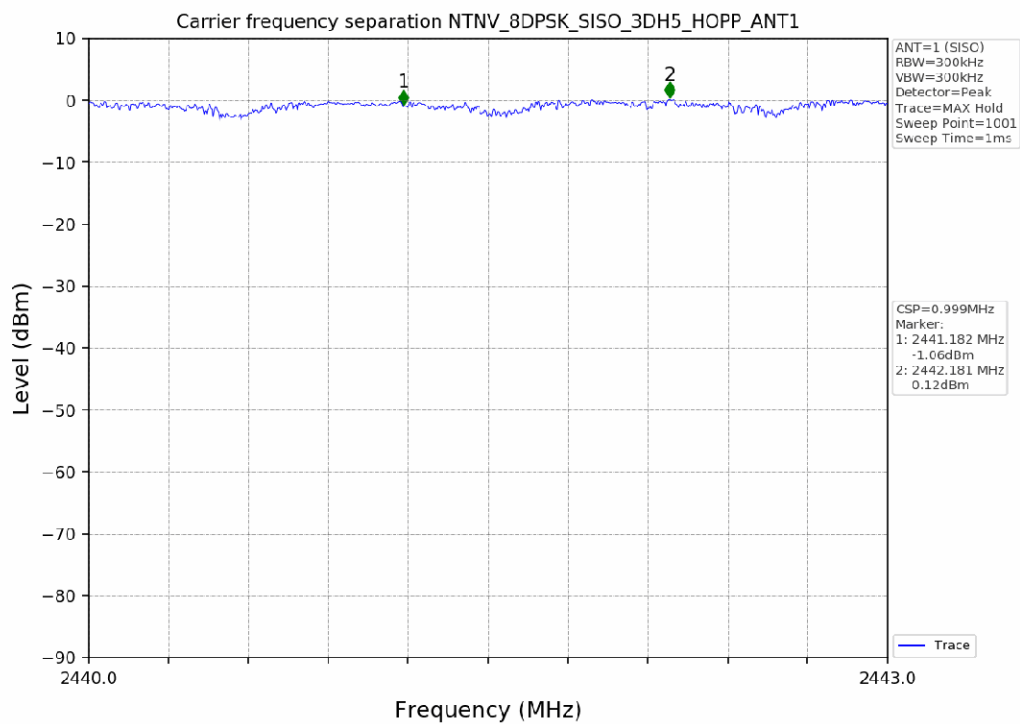
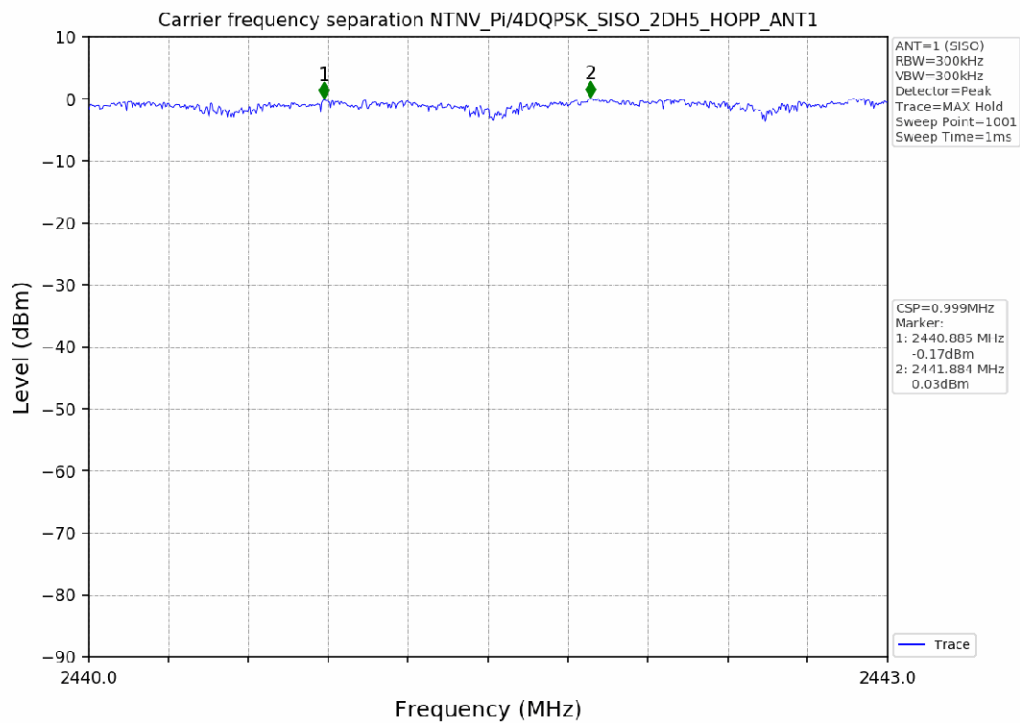
3. Carrier frequency separation

3.1 Test Result

Test Mode	TX Type	ANT No.	Channel Separation (MHz)	20dB Bandwidth (MHz)	Limits (MHz)	Verdict
GFSK	SISO	1	0.988	0.938	≥ 0.938	PASS
PI/4DQPSK	SISO	1	0.999	1.284	≥ 0.856	PASS
8DPSK	SISO	1	0.999	1.293	≥ 0.862	PASS

3.2 Test Graph



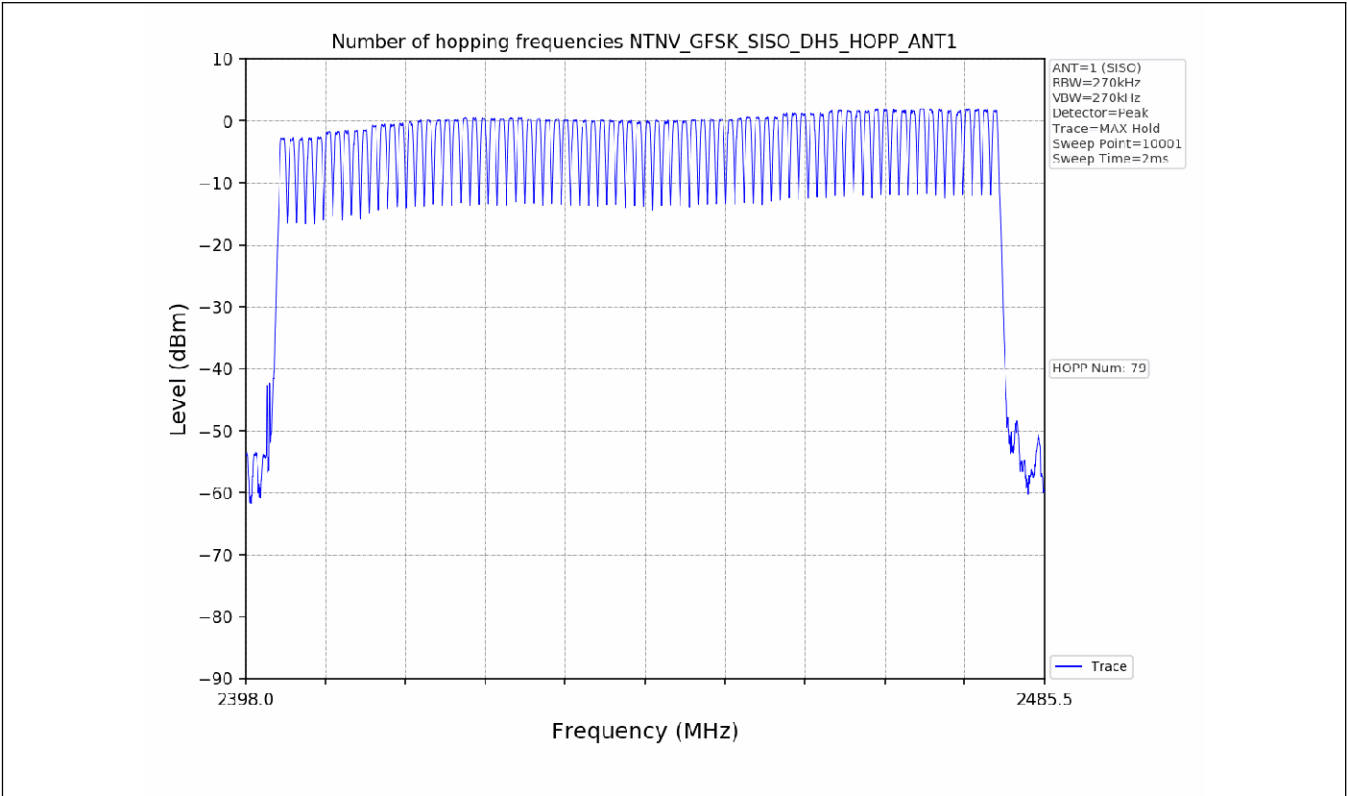


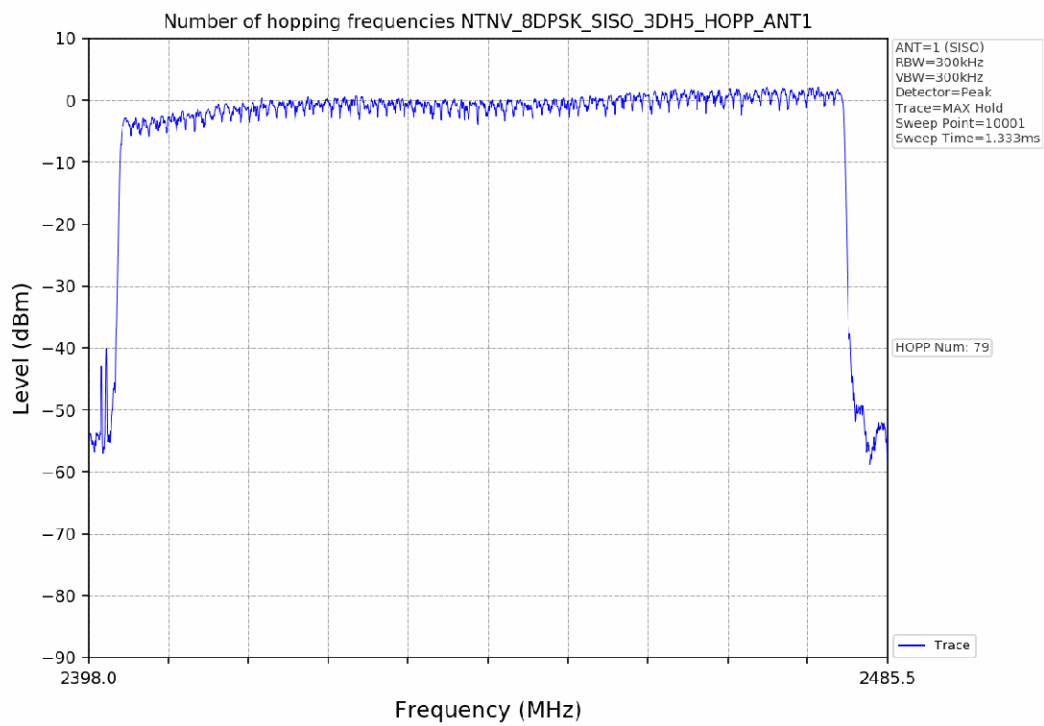
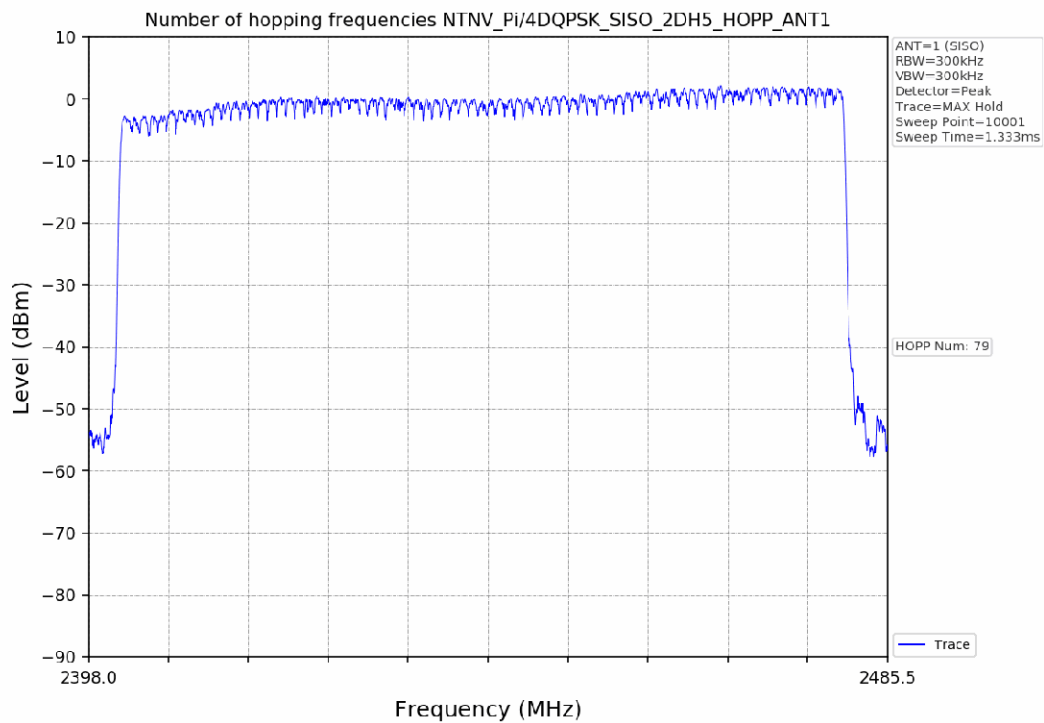
4. Number of hopping frequencies

4.1 Test Result

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

4.2 Test Graph



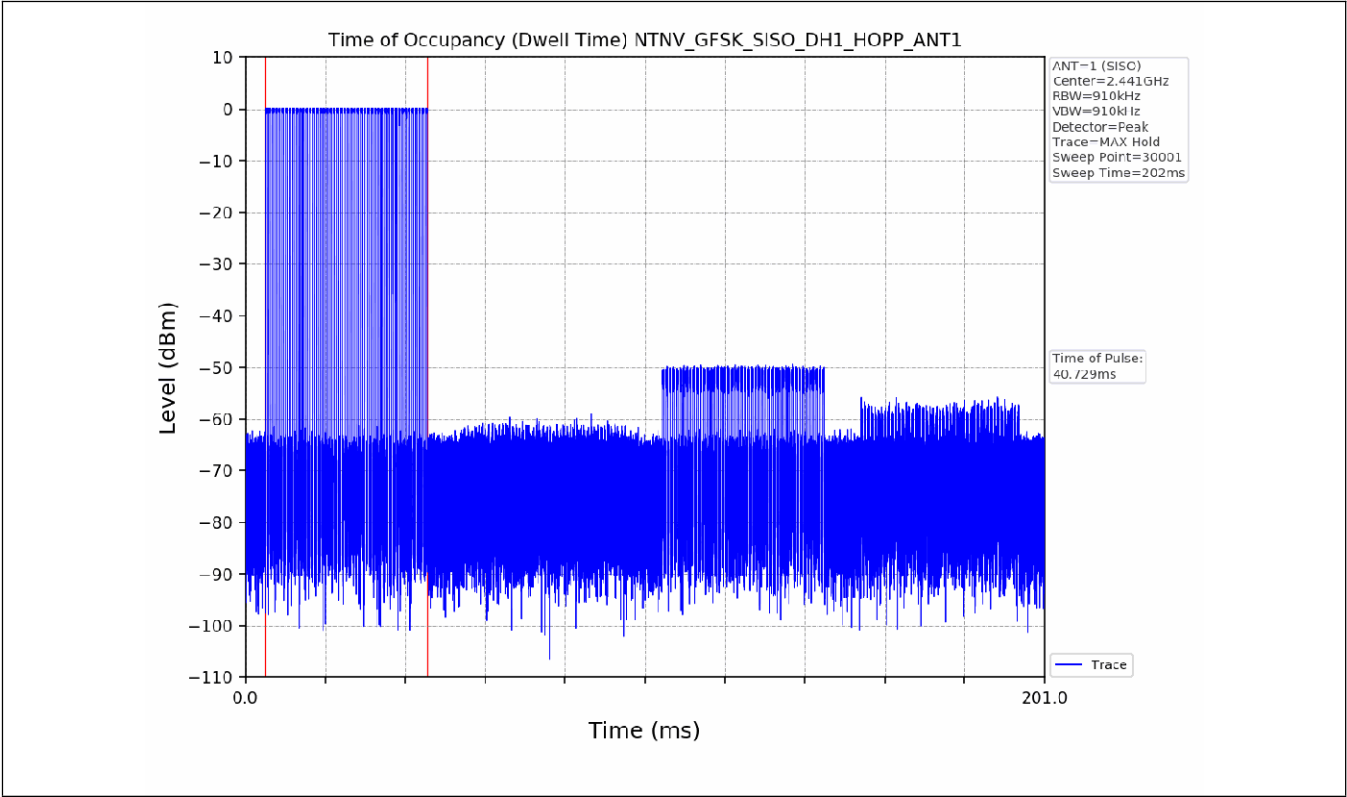


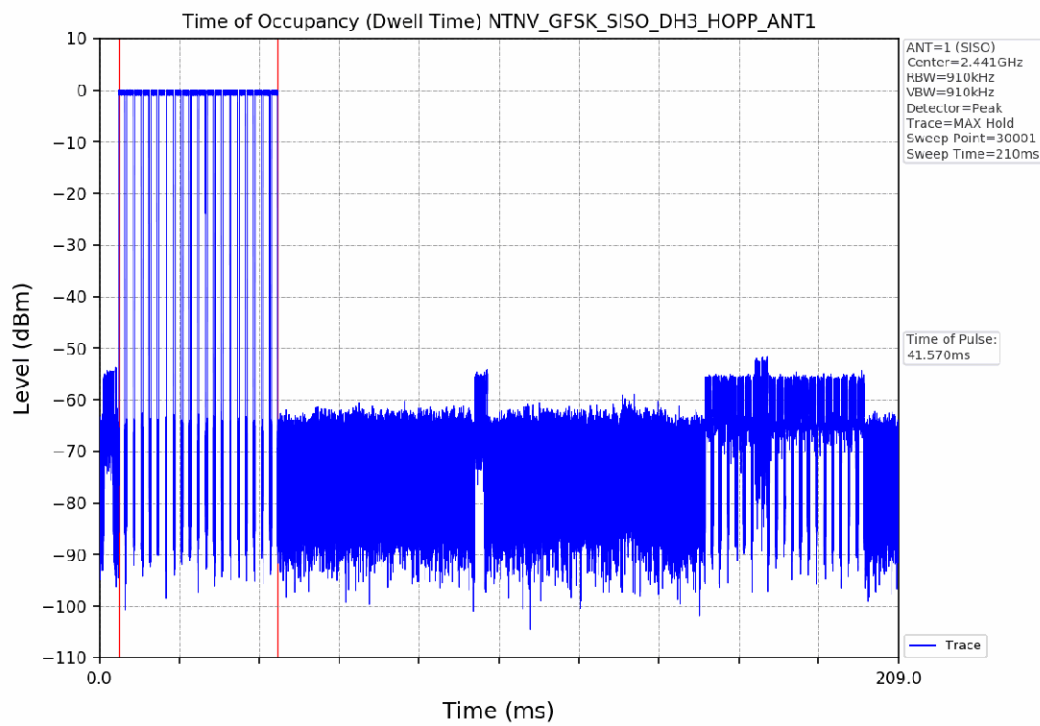
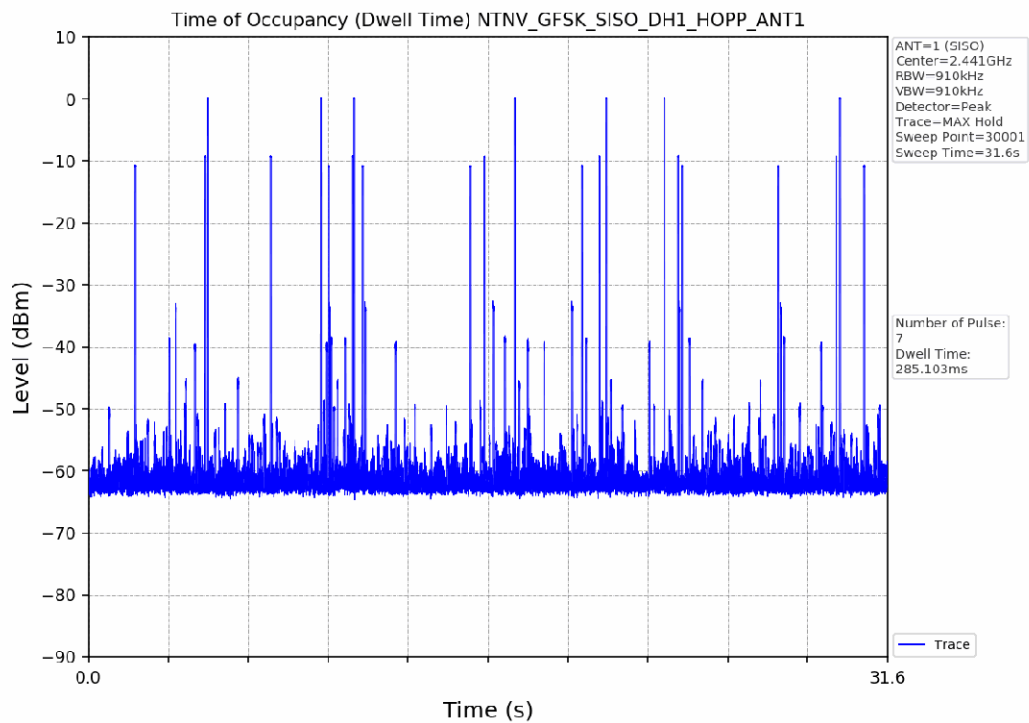
5. Time of Occupancy (Dwell Time)

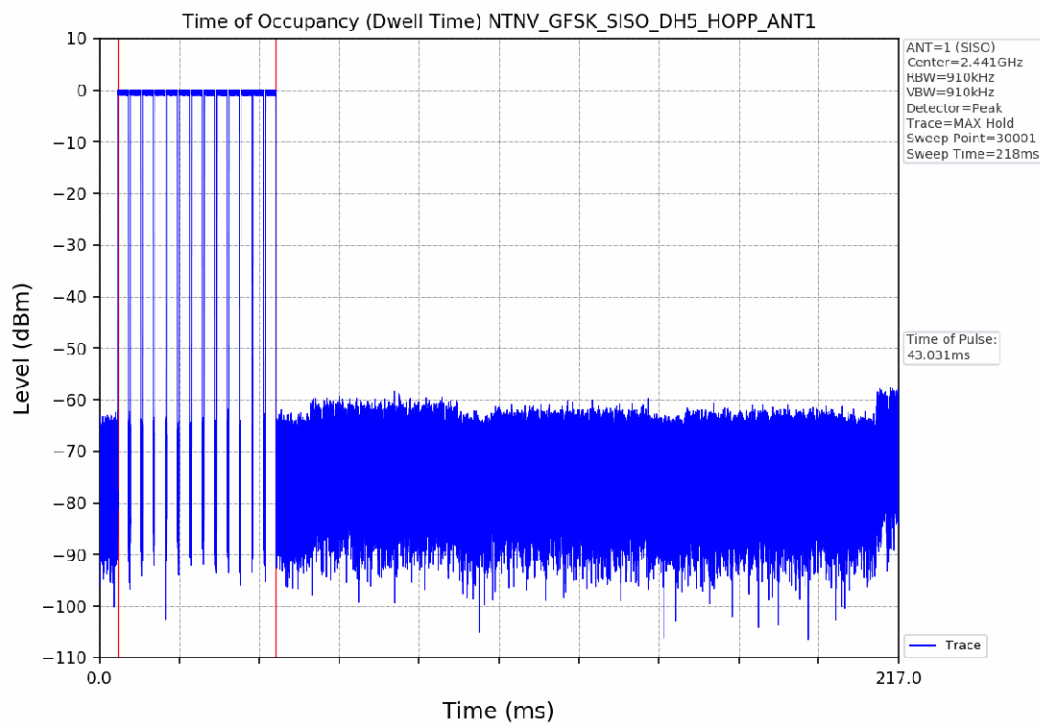
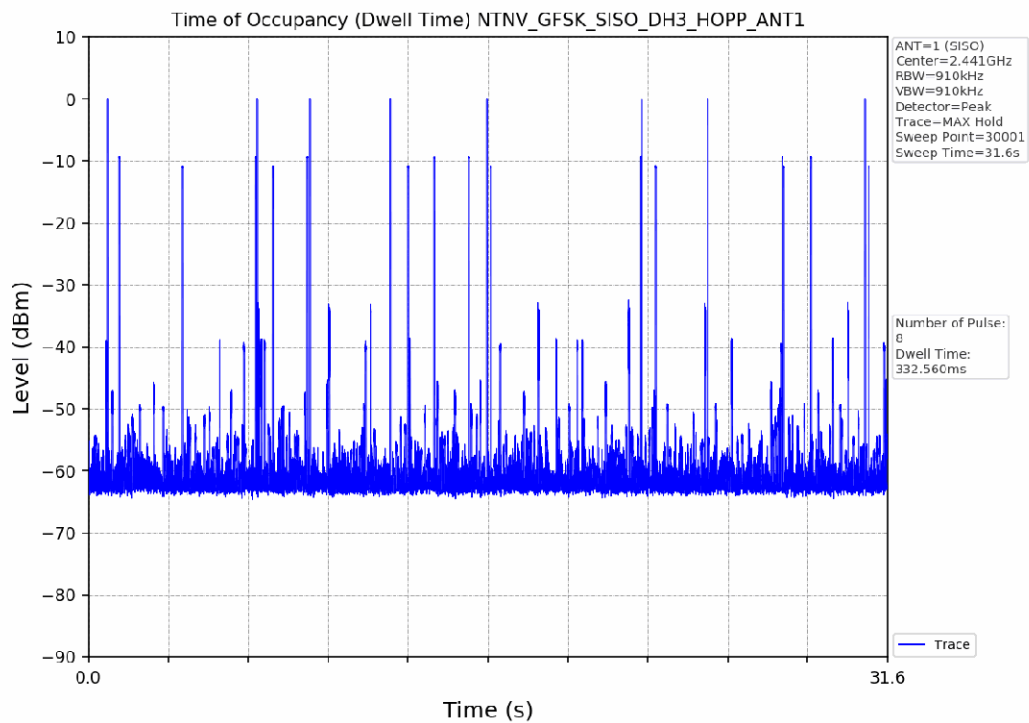
5.1 Test Result

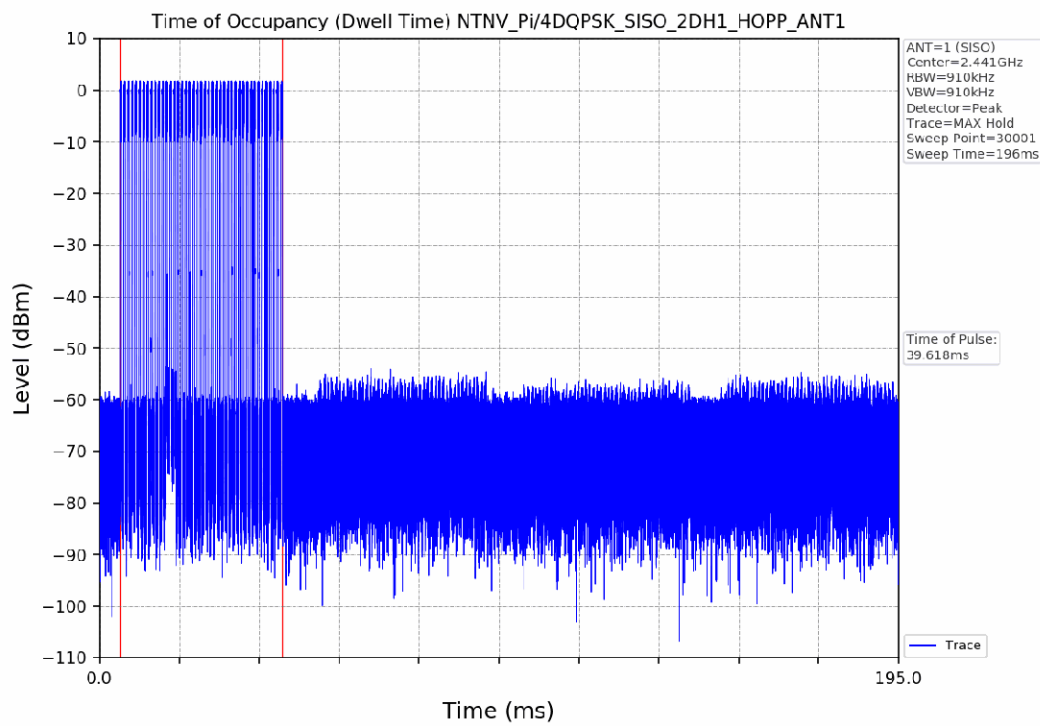
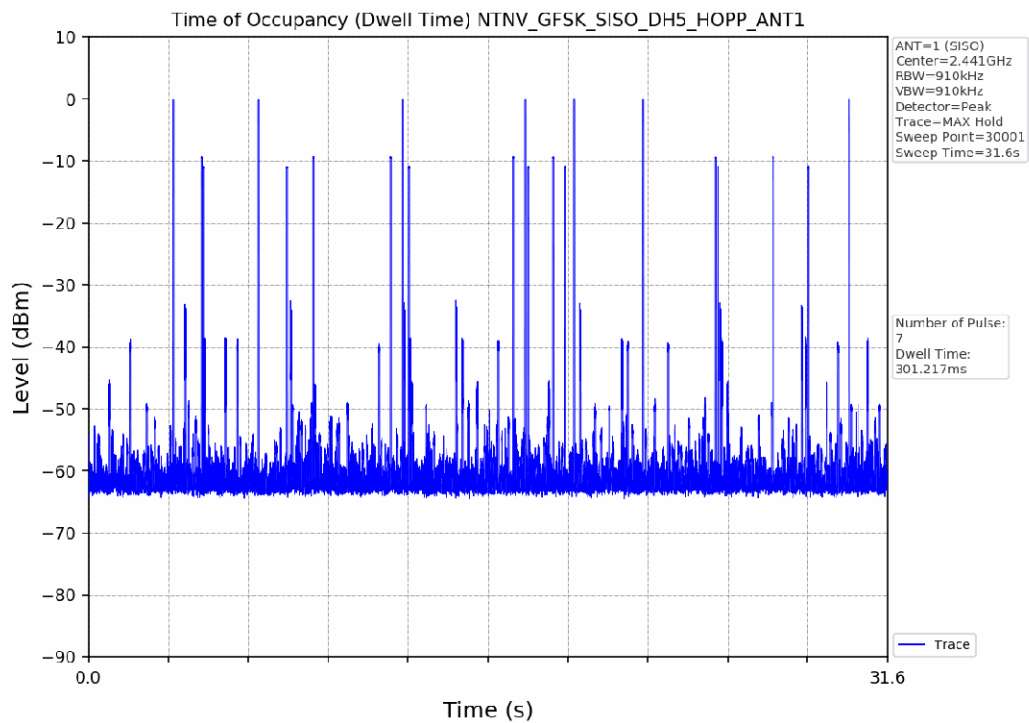
Test Mode	Packet Type	TX Type	ANT No.	Duration of Single Pulse (ms)	Obeservation Period (s)	Num of Pulse in Observation Period	Dwell Time (ms)	Limits (ms)	Verdict
GFSK	DH1	SISO	1	40.729	31.6	7	285.103	≤400	PASS
	DH3	SISO	1	41.570	31.6	8	332.560	≤400	PASS
	DH5	SISO	1	43.031	31.6	7	301.217	≤400	PASS
Pi/4DQPSK	2DH1	SISO	1	39.618	31.6	8	316.944	≤400	PASS
	2DH3	SISO	1	41.042	31.6	8	328.336	≤400	PASS
	2DH5	SISO	1	40.725	31.6	7	285.075	≤400	PASS
8DPSK	3DH1	SISO	1	41.083	31.6	9	369.747	≤400	PASS
	3DH3	SISO	1	40.245	31.6	8	321.960	≤400	PASS
	3DH5	SISO	1	39.342	31.6	7	275.394	≤400	PASS

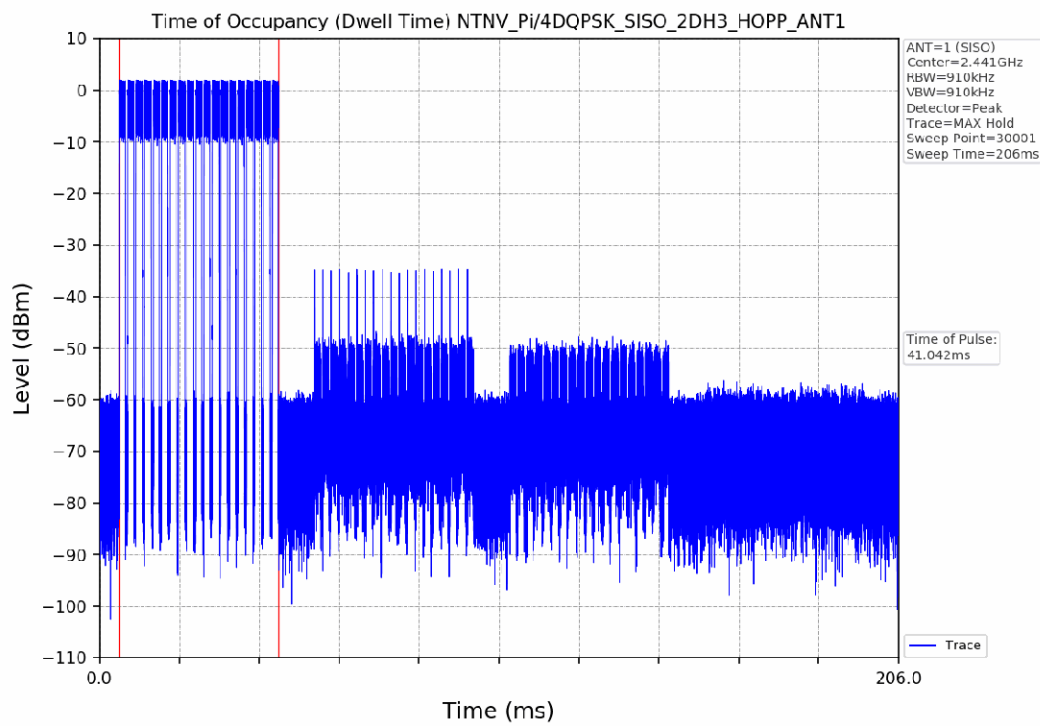
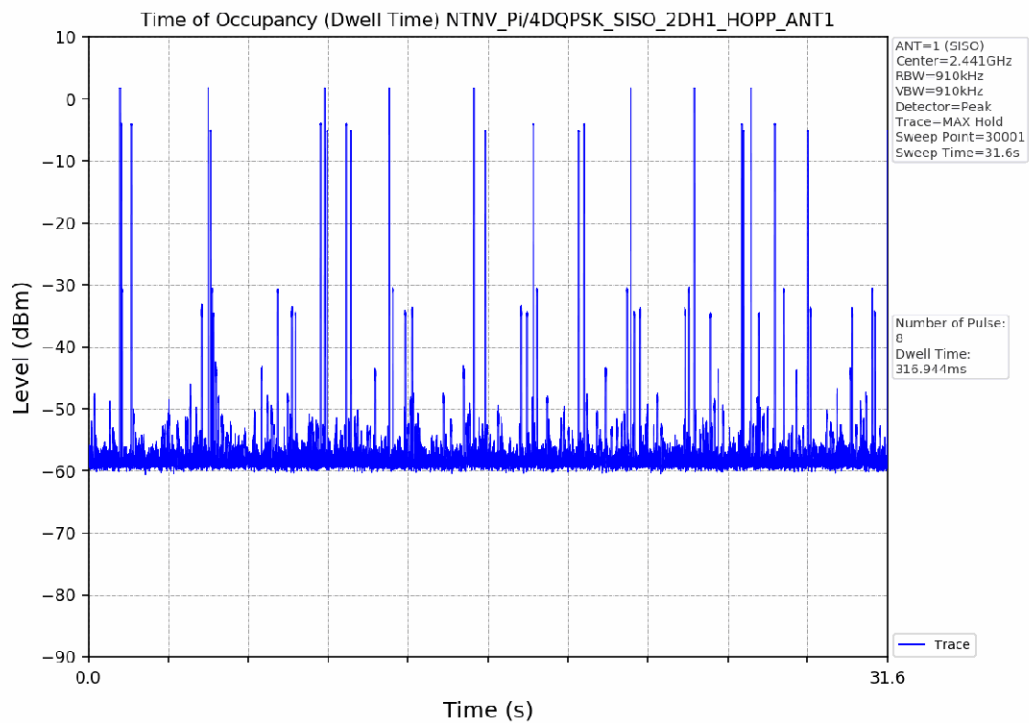
5.2 Test Graph

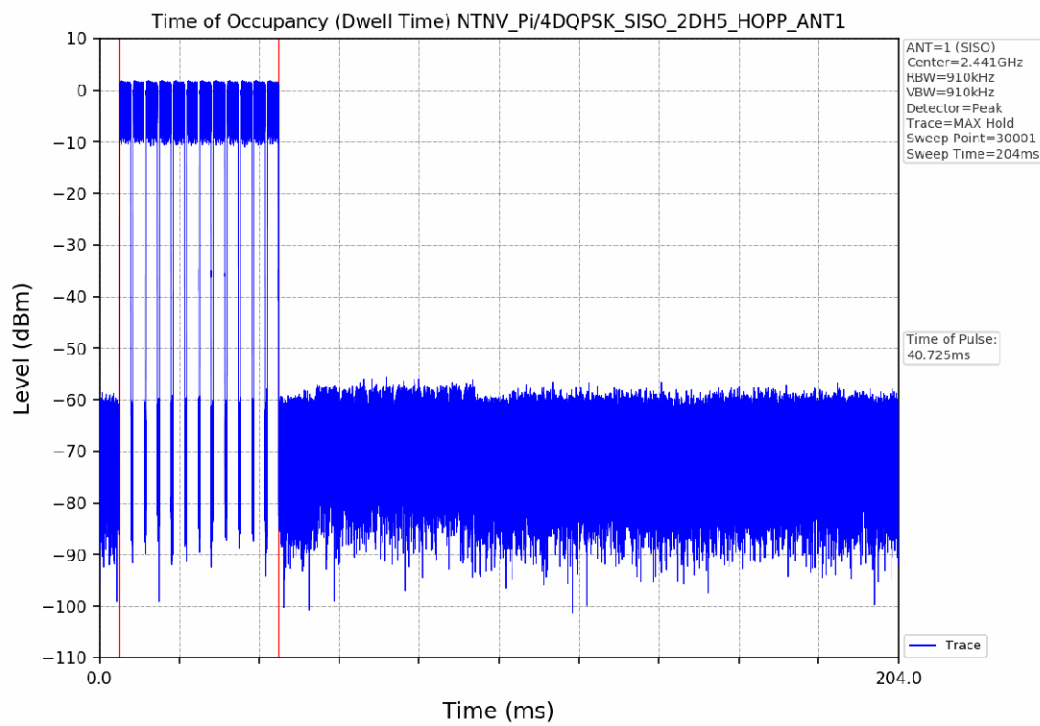
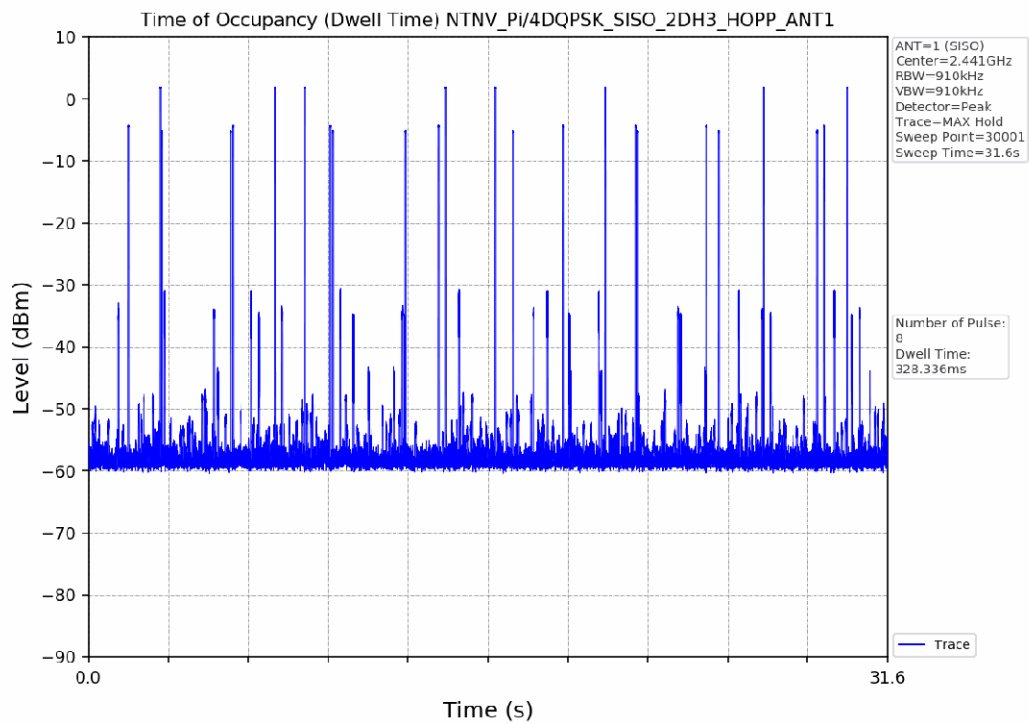


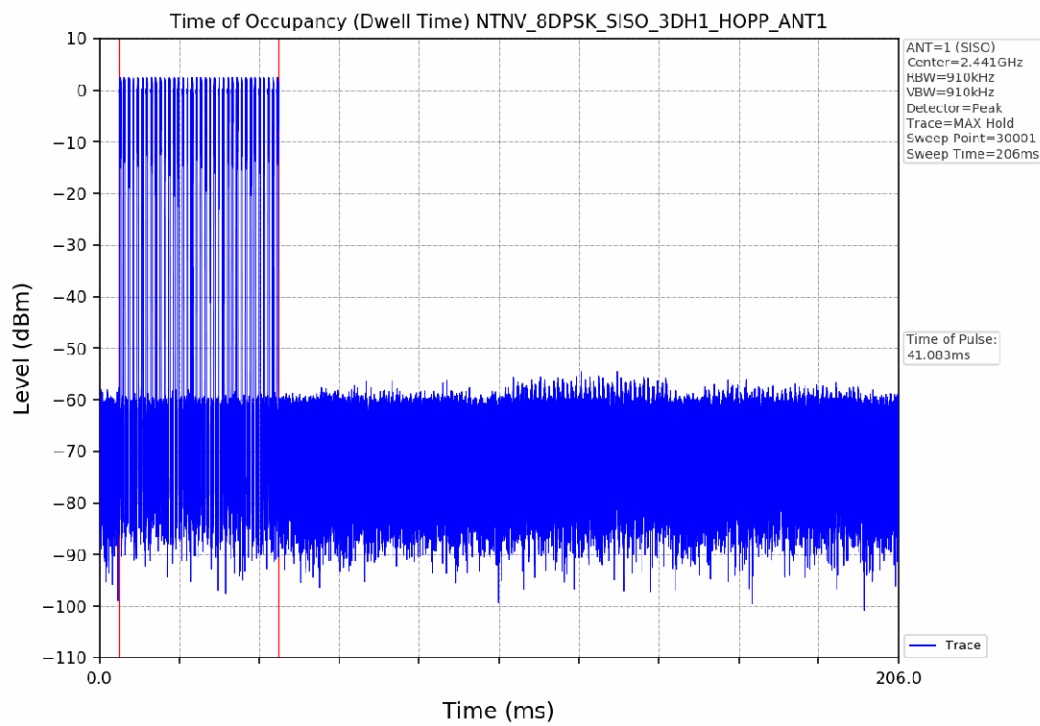
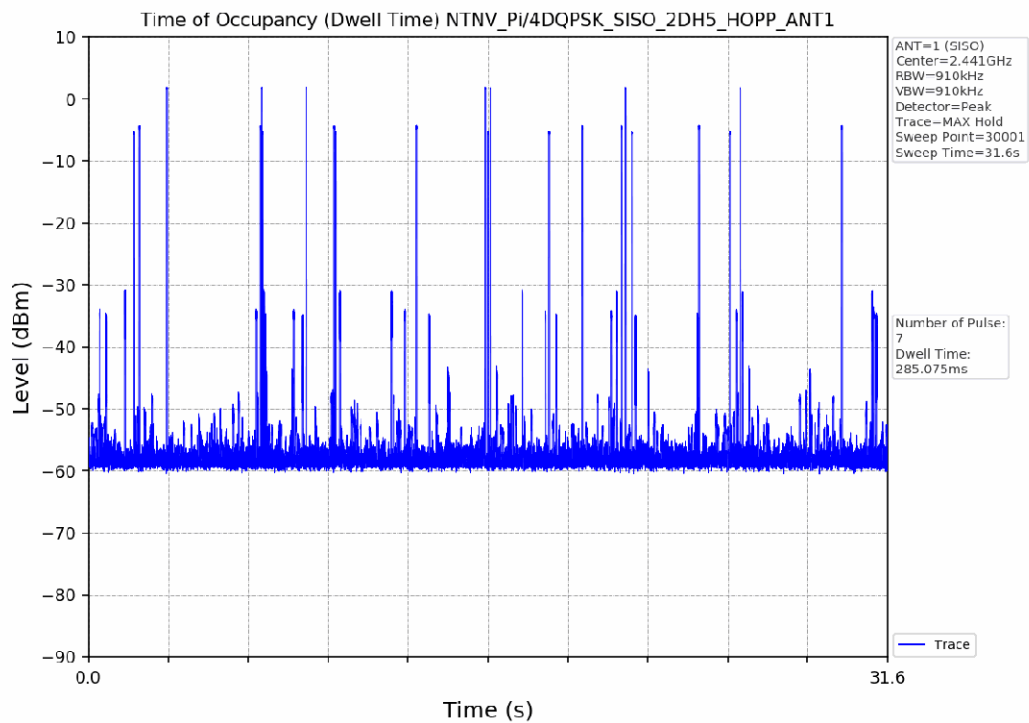


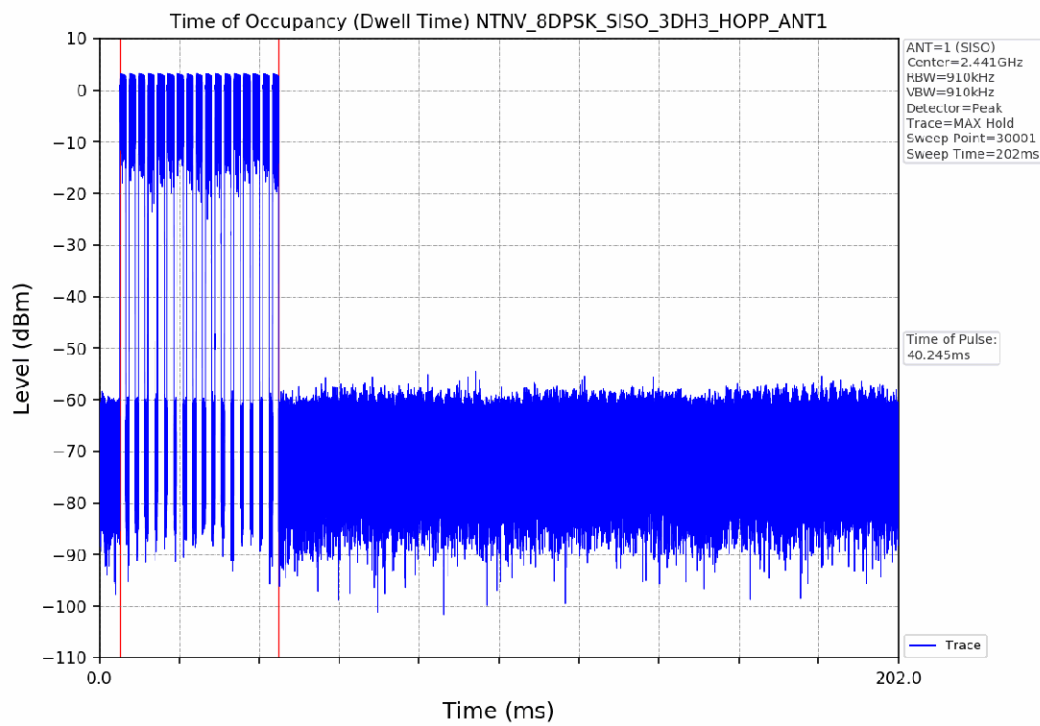
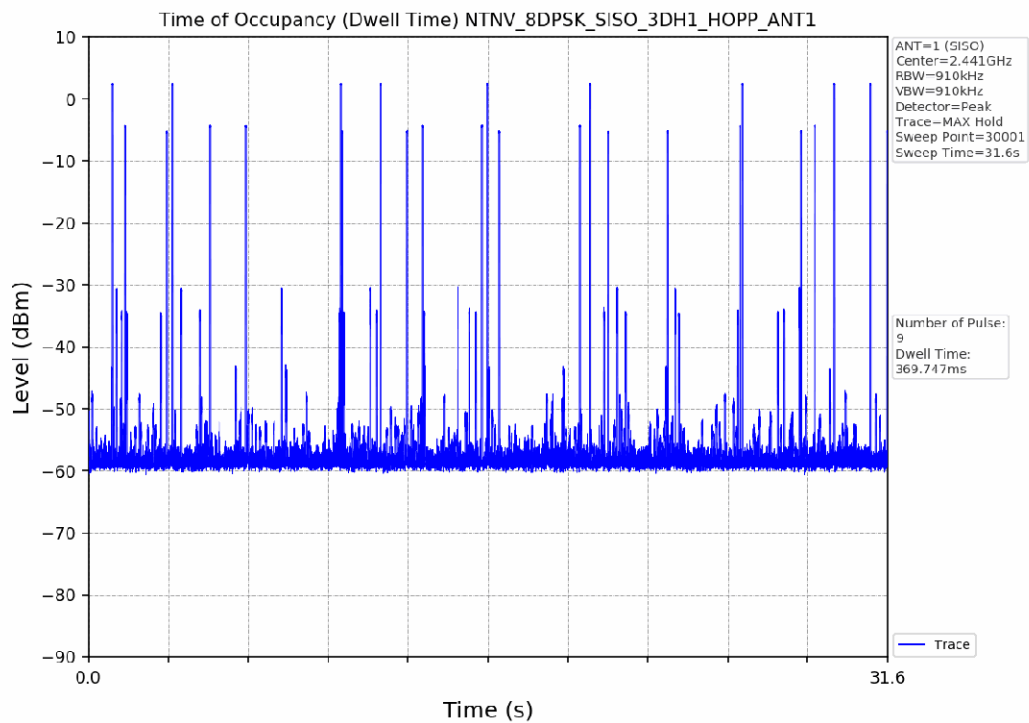


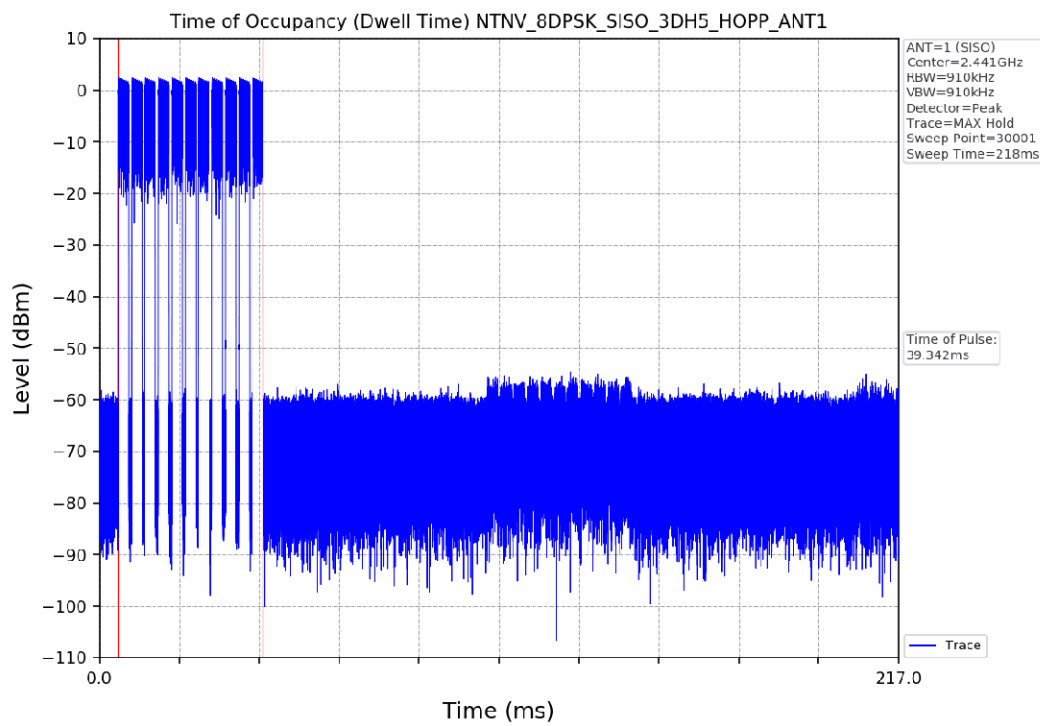
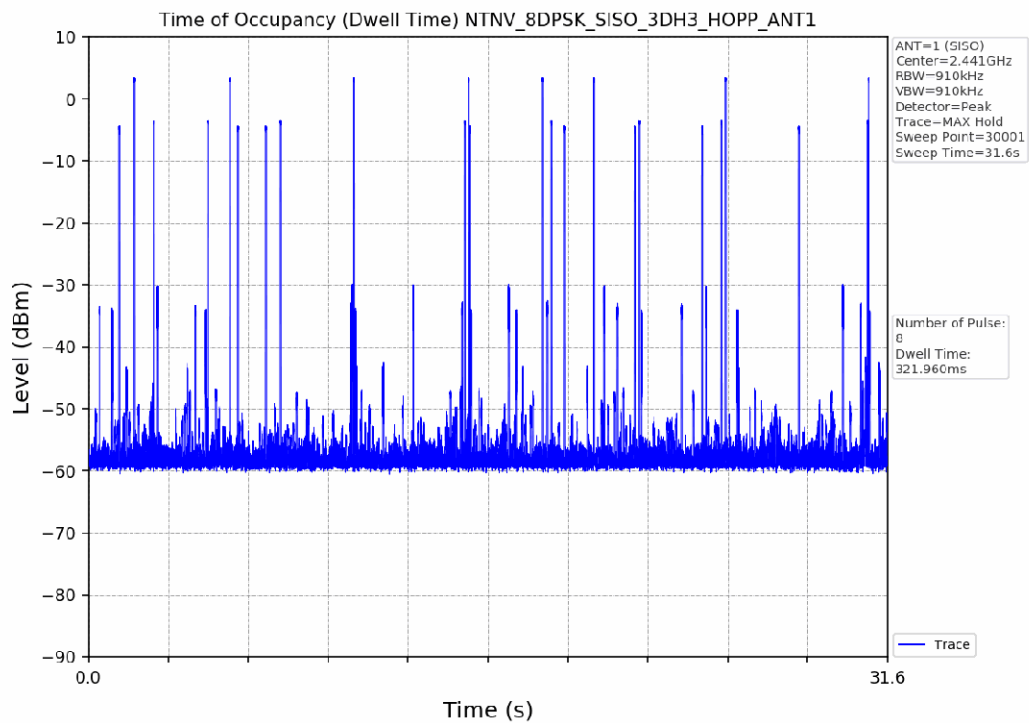


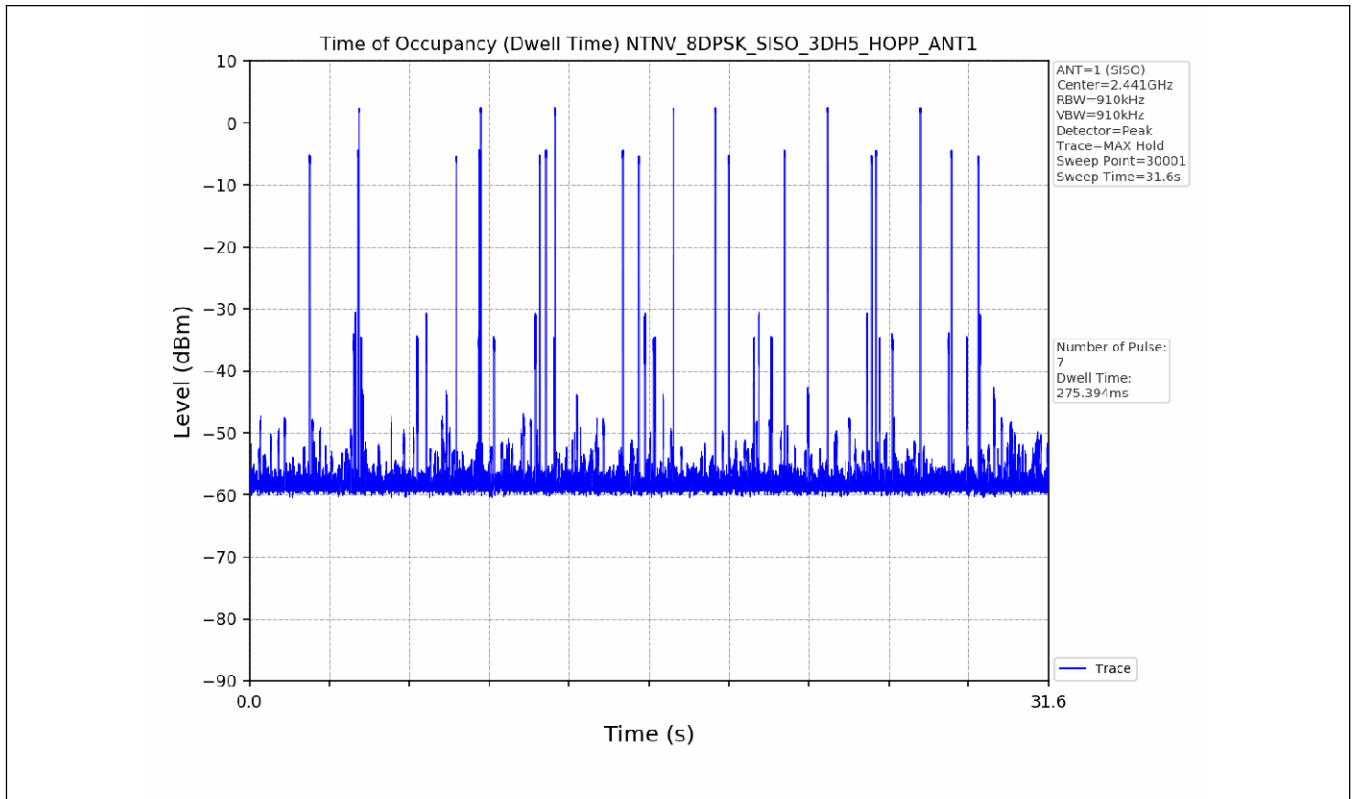












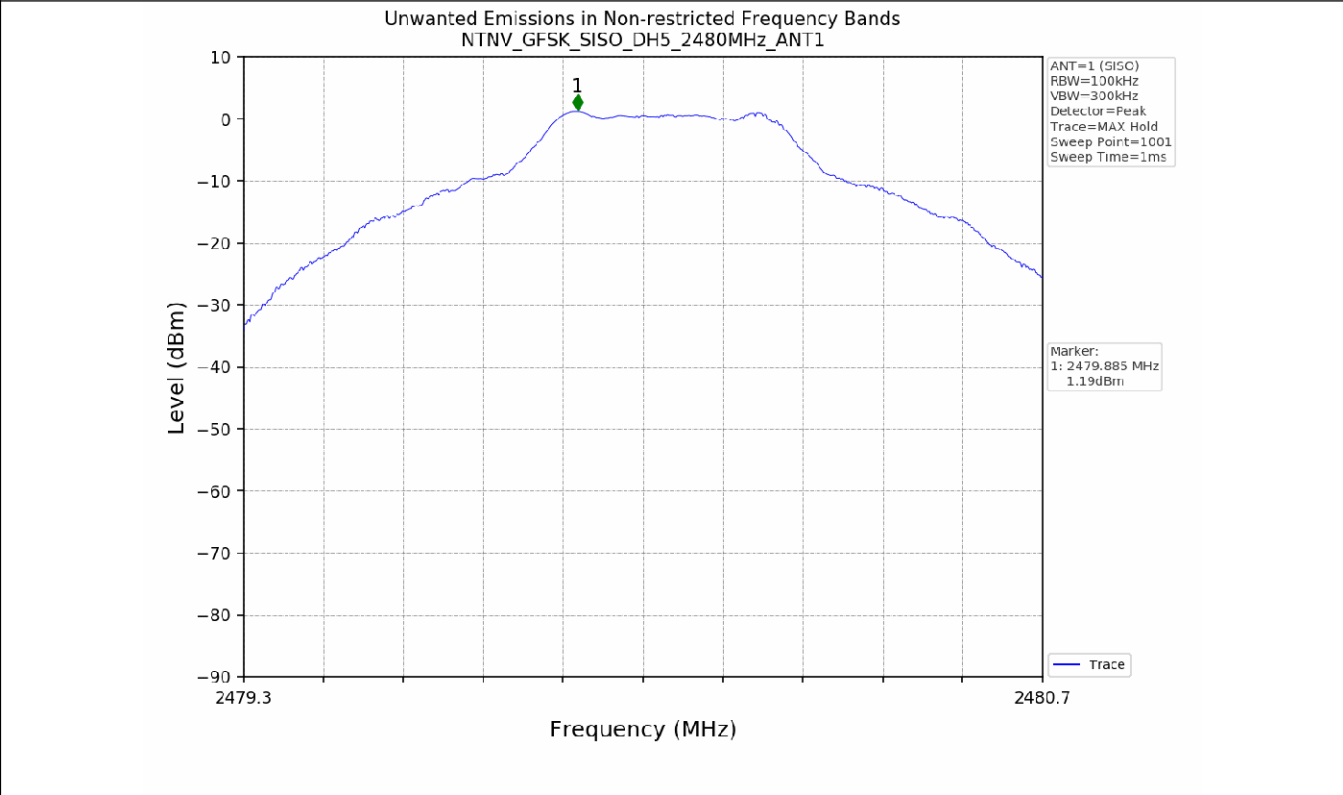
6. Unwanted Emissions in Non-restricted Frequency Bands

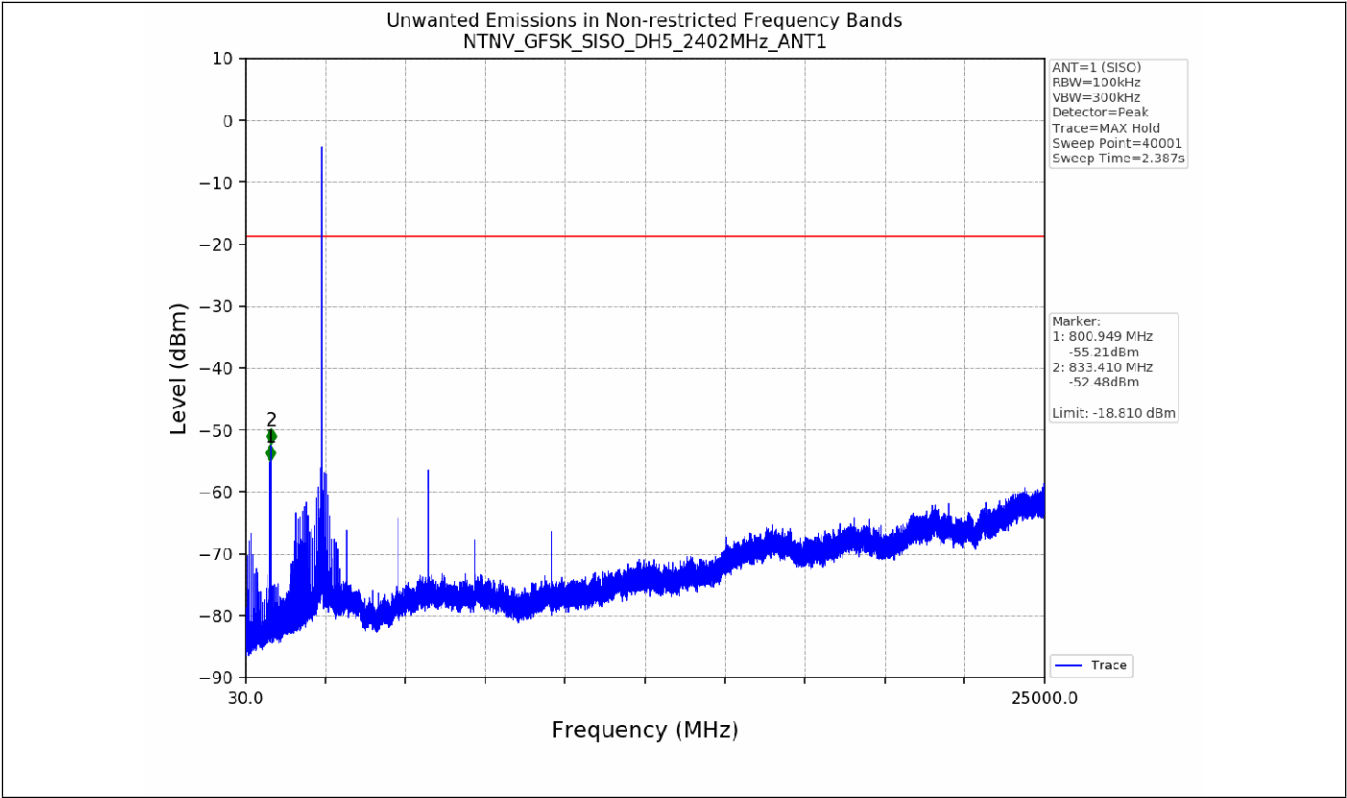
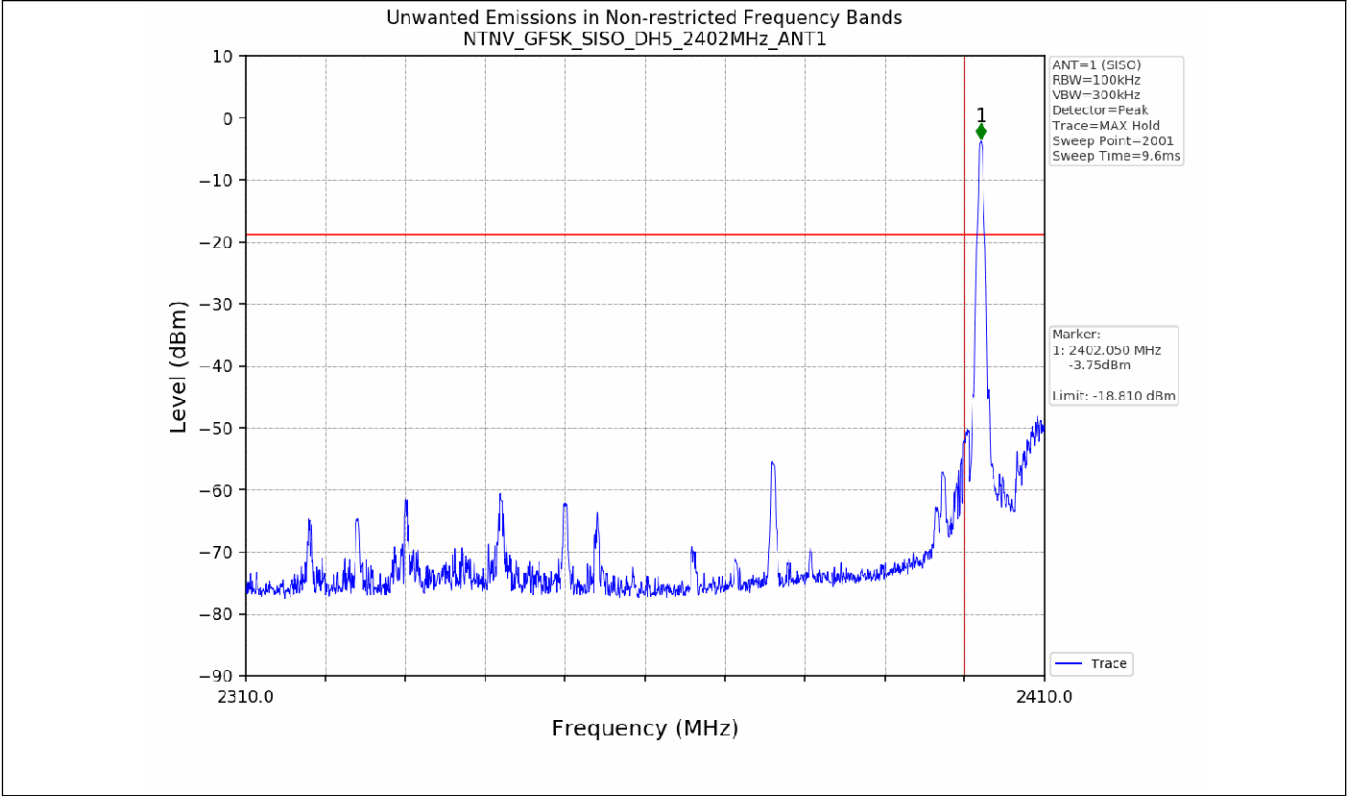
6.1 Test Result

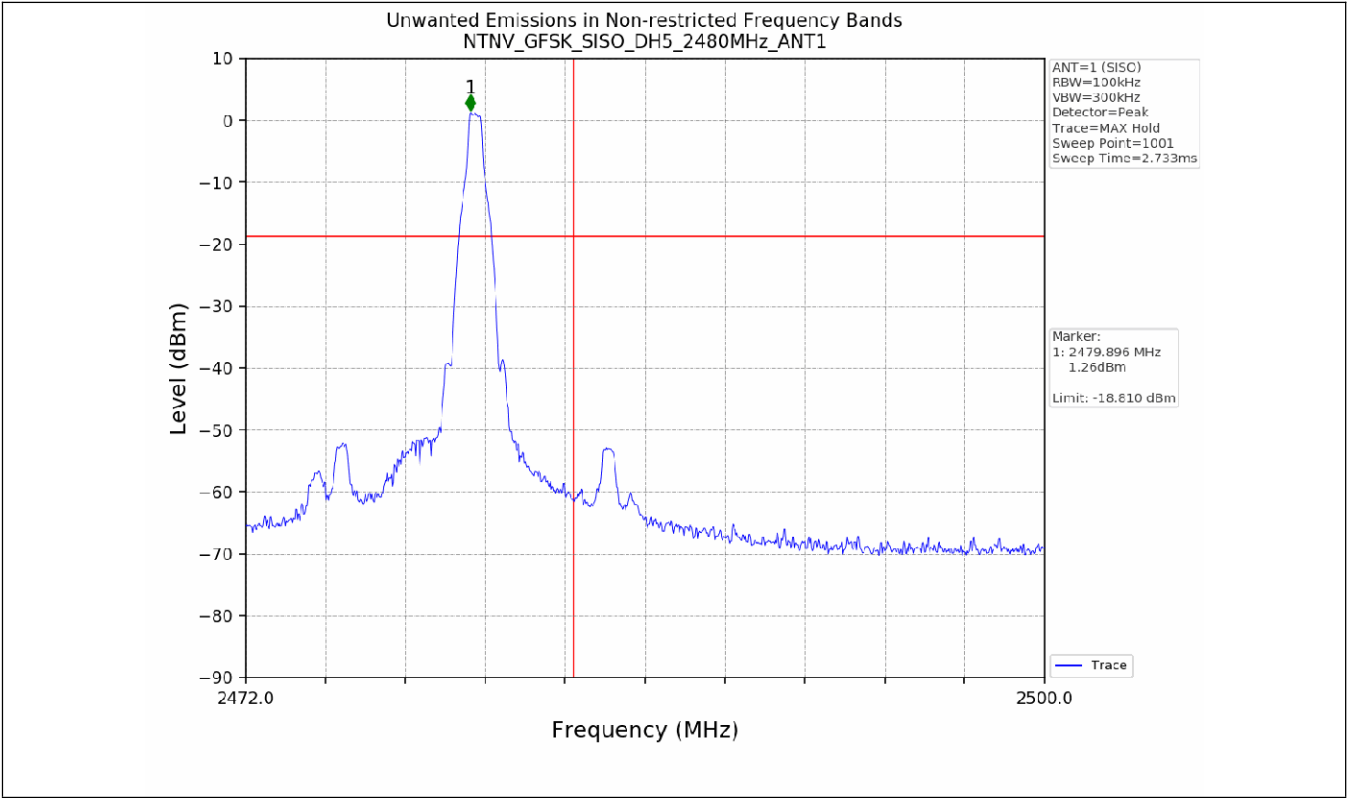
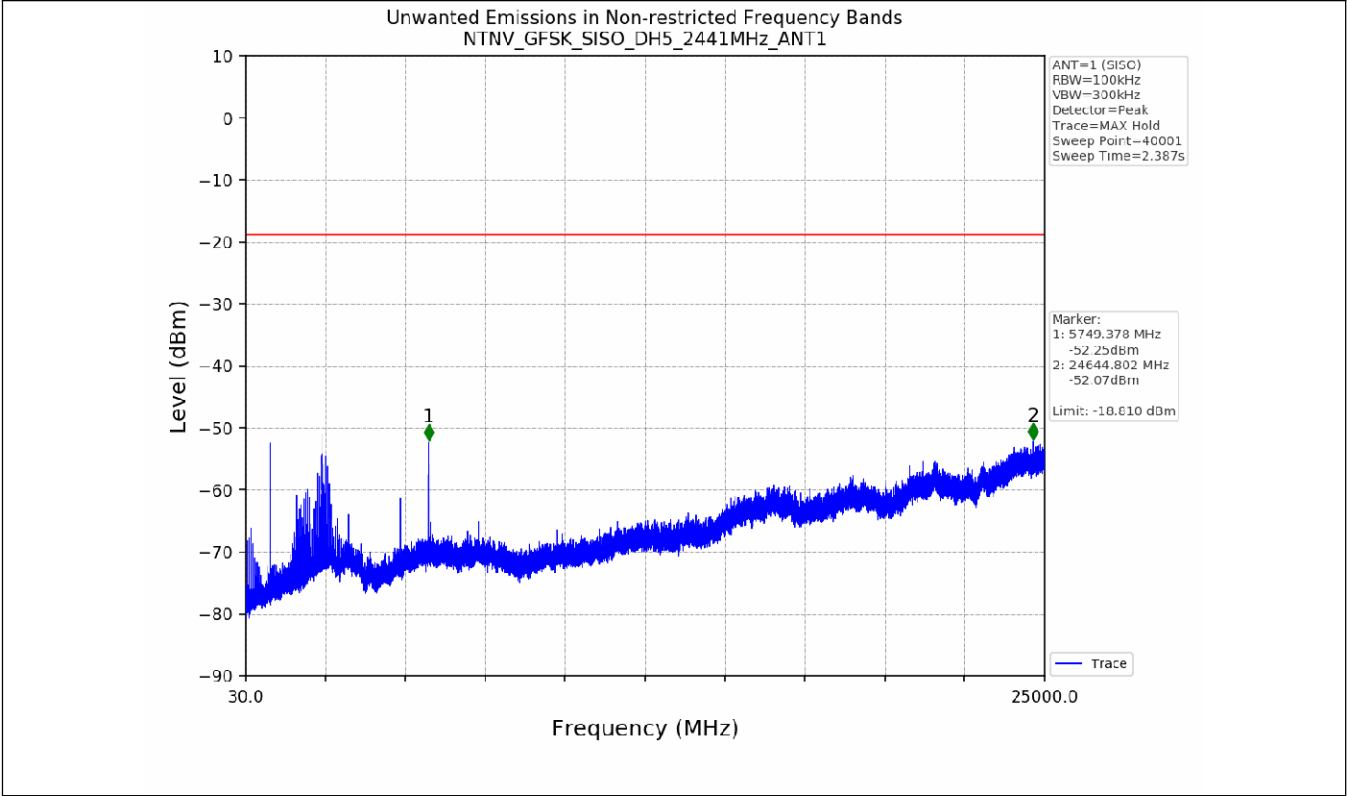
Test Mode	Frequency (MHz)	TX Type	ANT No.	Spurious Conducted Emission (dBm)	Limits (dBm)	Verdict
GFSK	2402	SISO	1	Refer to test graph	-18.81	PASS
	2441	SISO	1	Refer to test graph	-18.81	PASS
	2480	SISO	1	Refer to test graph	-18.81	PASS
	Hopping	SISO	1	Refer to test graph	-18.81	PASS
Pi/4DQPSK	2402	SISO	1	Refer to test graph	-18.82	PASS
	2441	SISO	1	Refer to test graph	-18.82	PASS
	2480	SISO	1	Refer to test graph	-18.82	PASS
	Hopping	SISO	1	Refer to test graph	-18.82	PASS
8DPSK	2402	SISO	1	Refer to test graph	-18.60	PASS
	2441	SISO	1	Refer to test graph	-18.60	PASS
	2480	SISO	1	Refer to test graph	-18.60	PASS

	Hopping	SISO	1	Refer to test graph	-18.60	PASS
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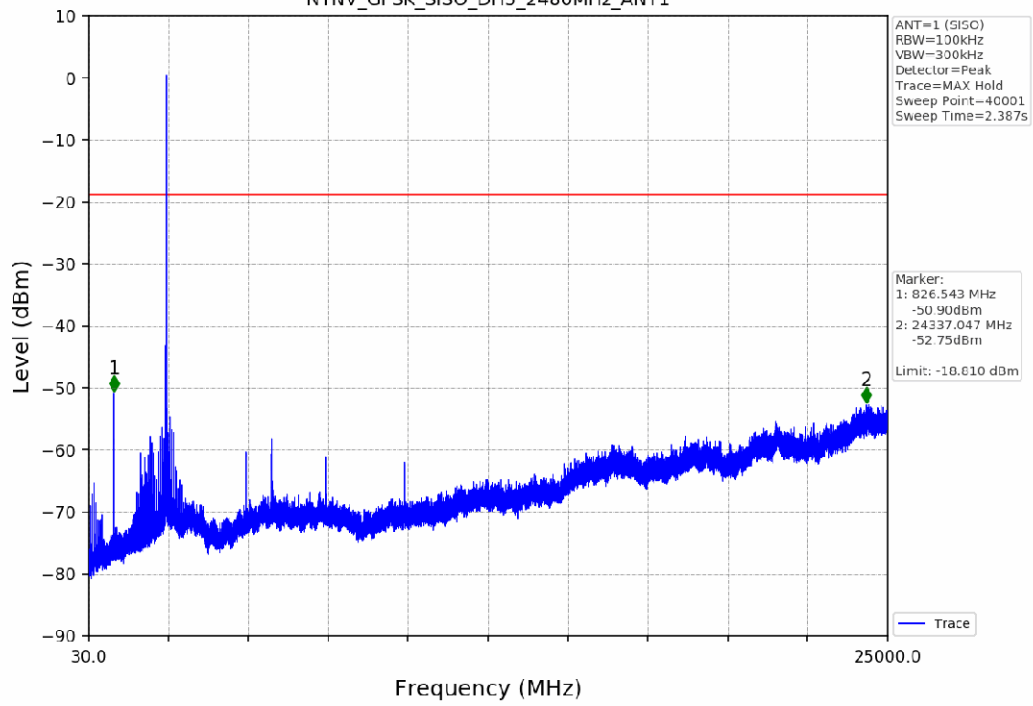
6.2 Test Graph



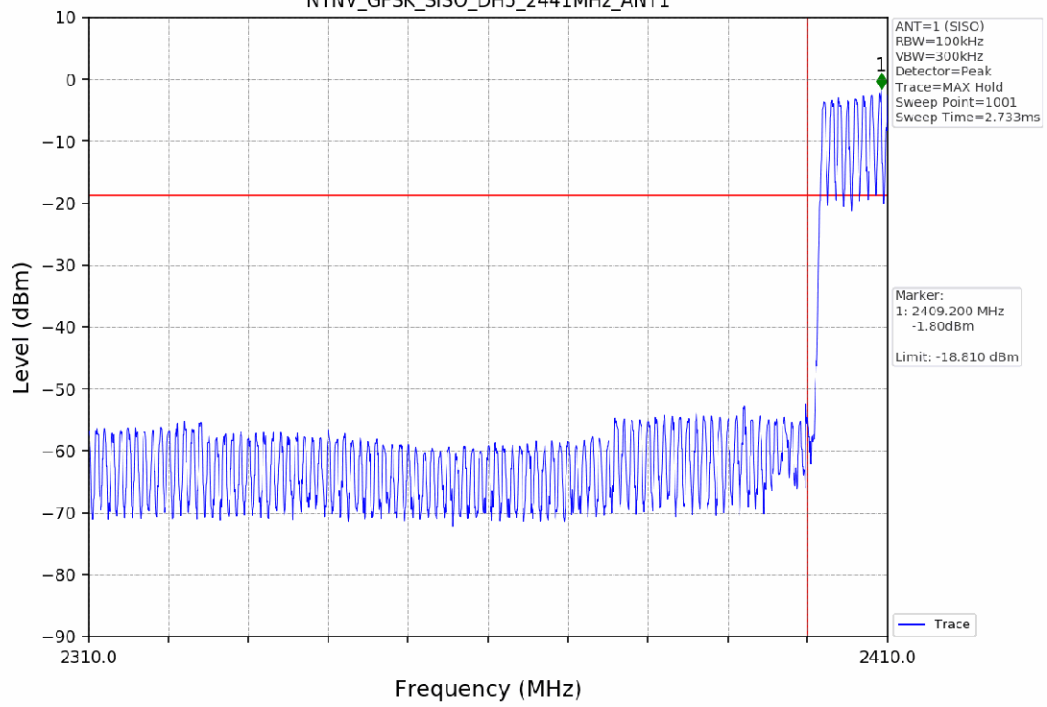


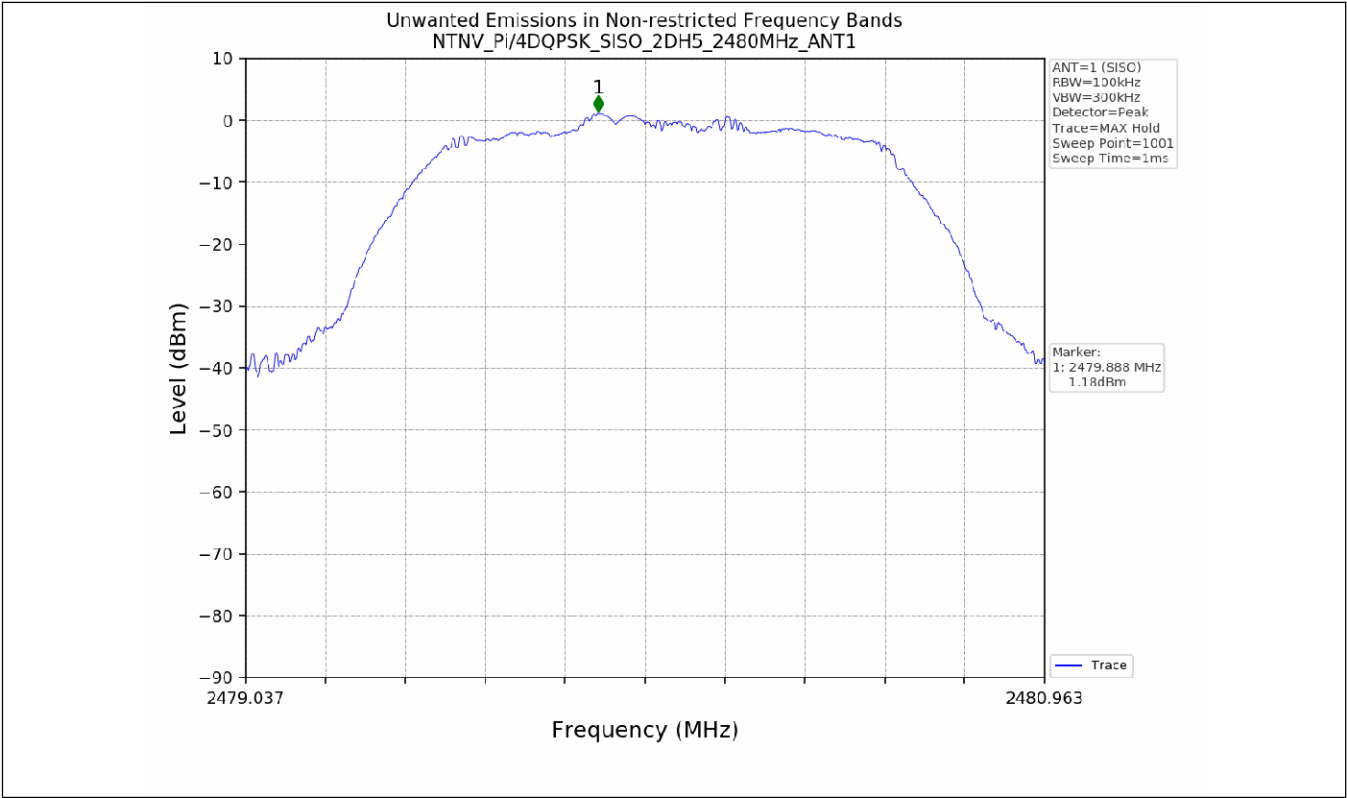
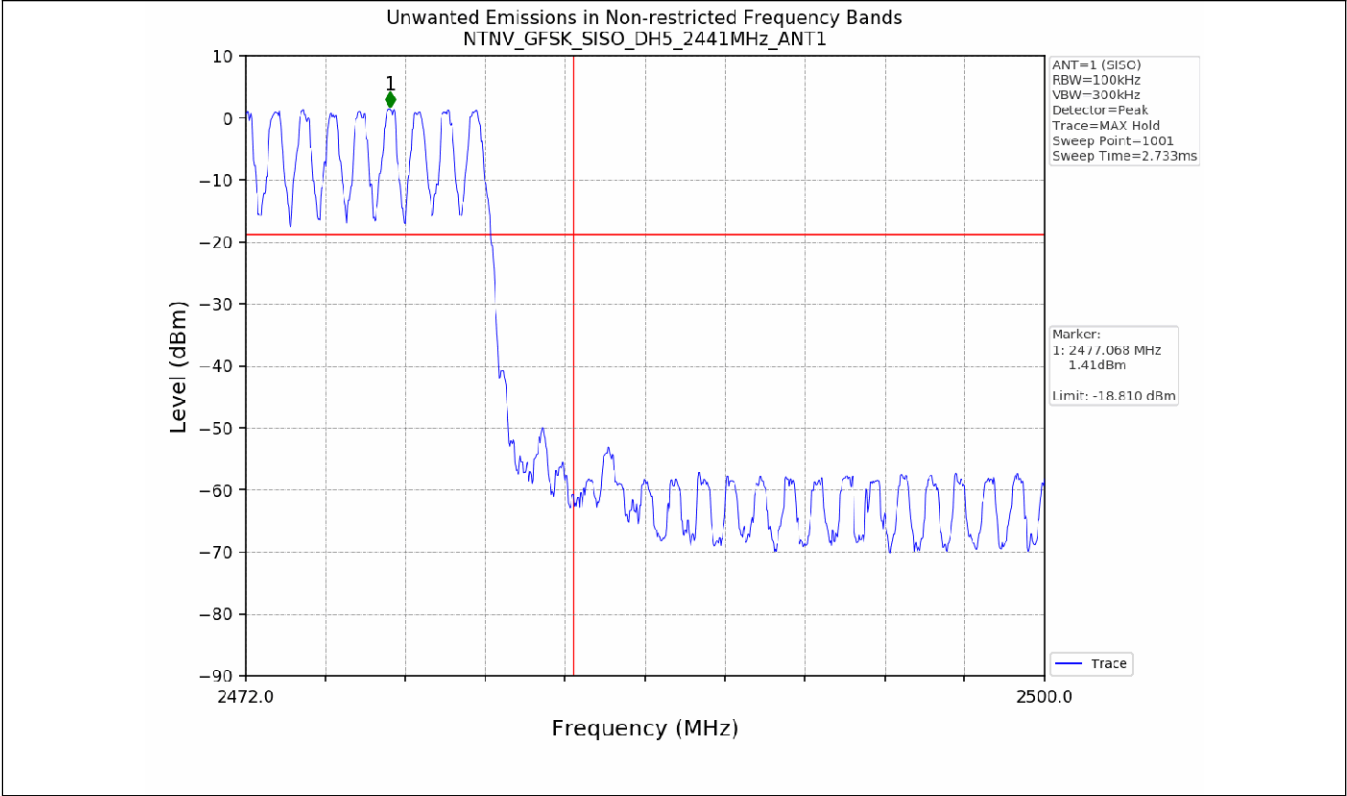


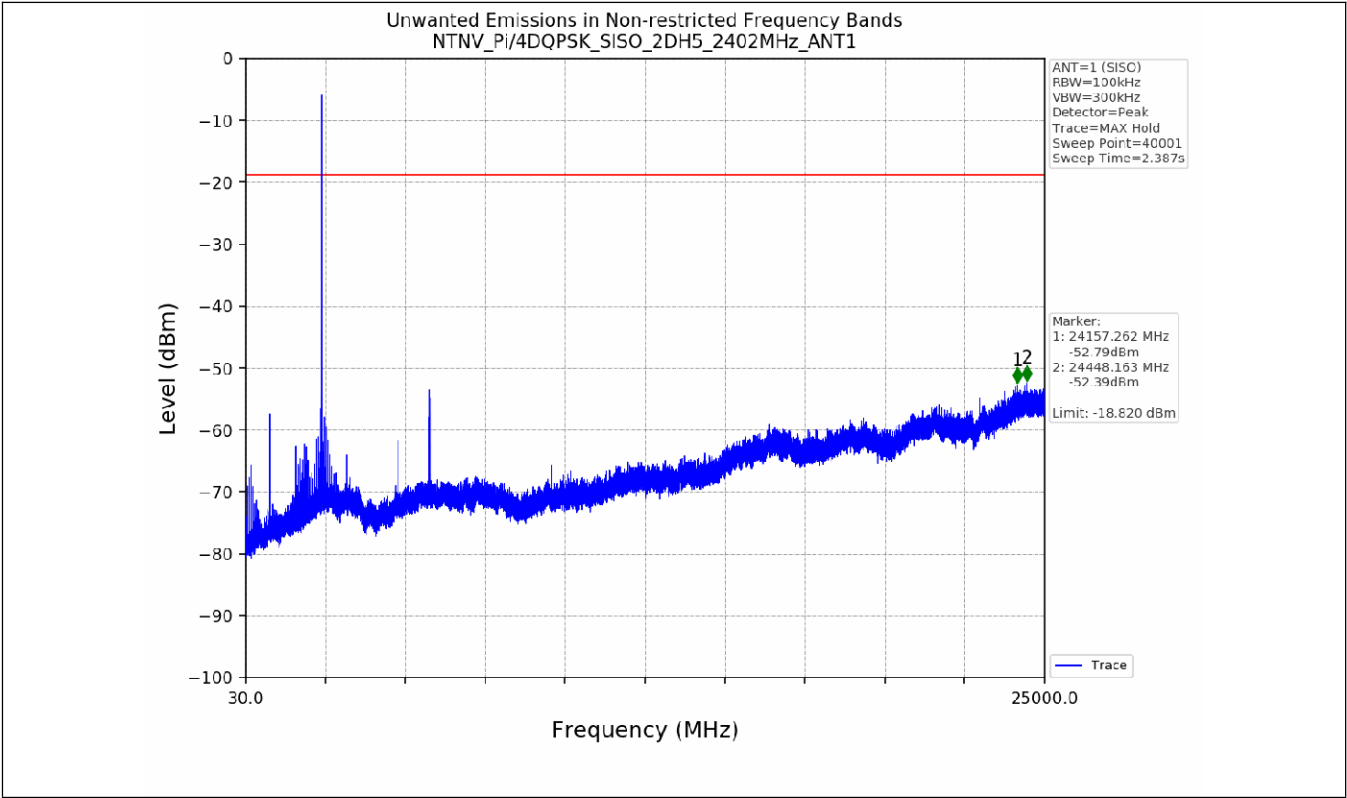
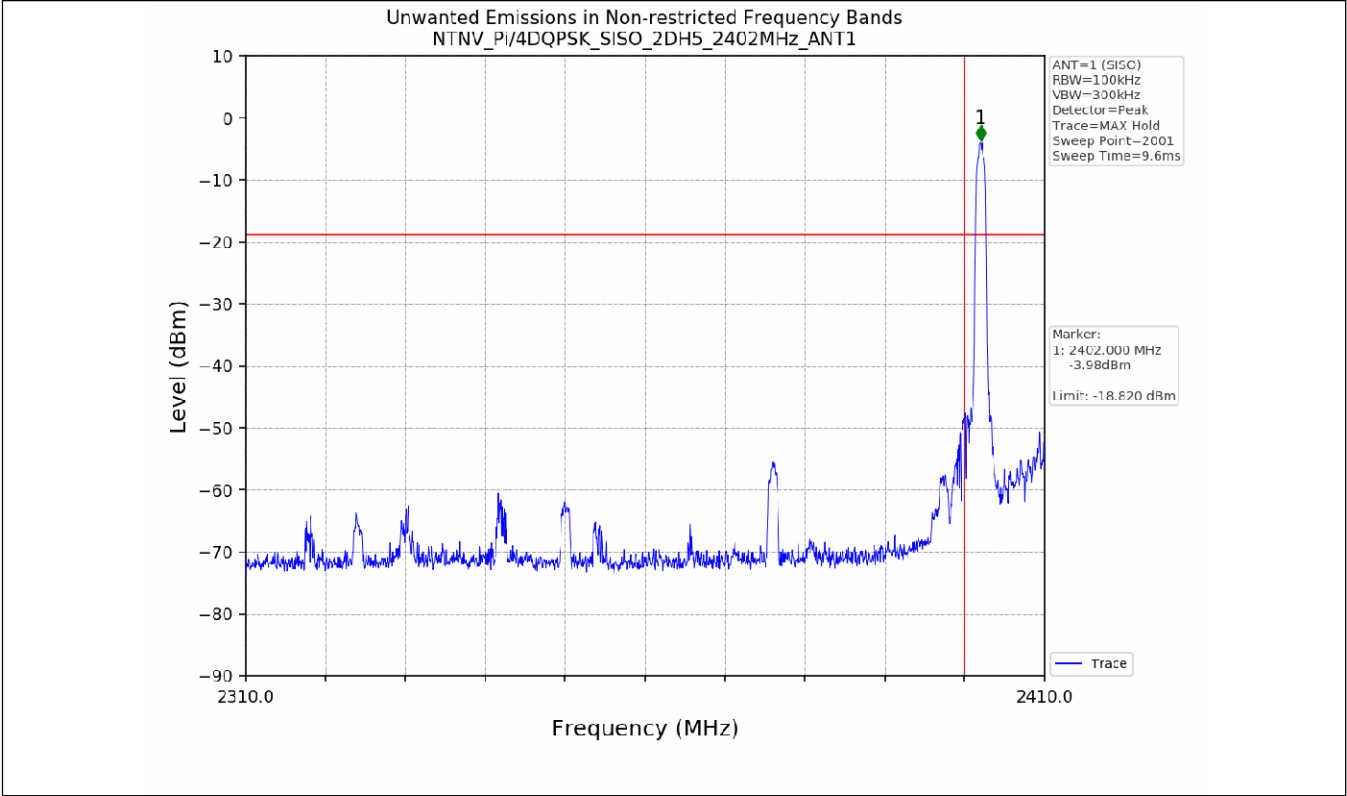
Unwanted Emissions in Non-restricted Frequency Bands
NTNV_GFSK_SISO_DH5_2480MHz_ANT1



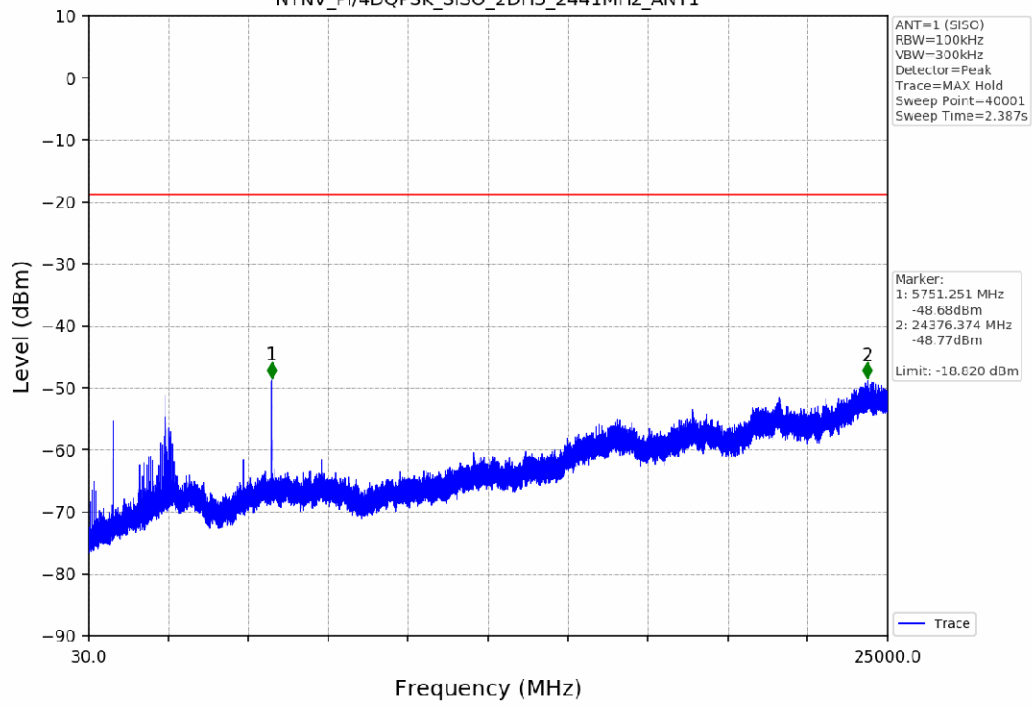
Unwanted Emissions in Non-restricted Frequency Bands
NTNV_GFSK_SISO_DH5_2441MHz_ANT1



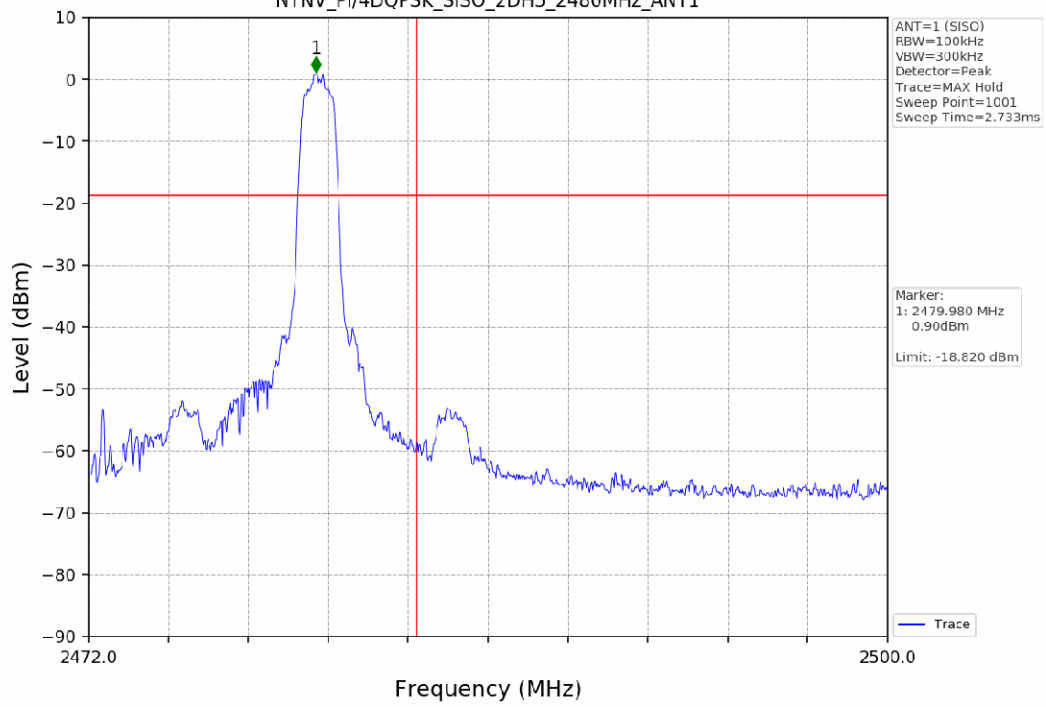


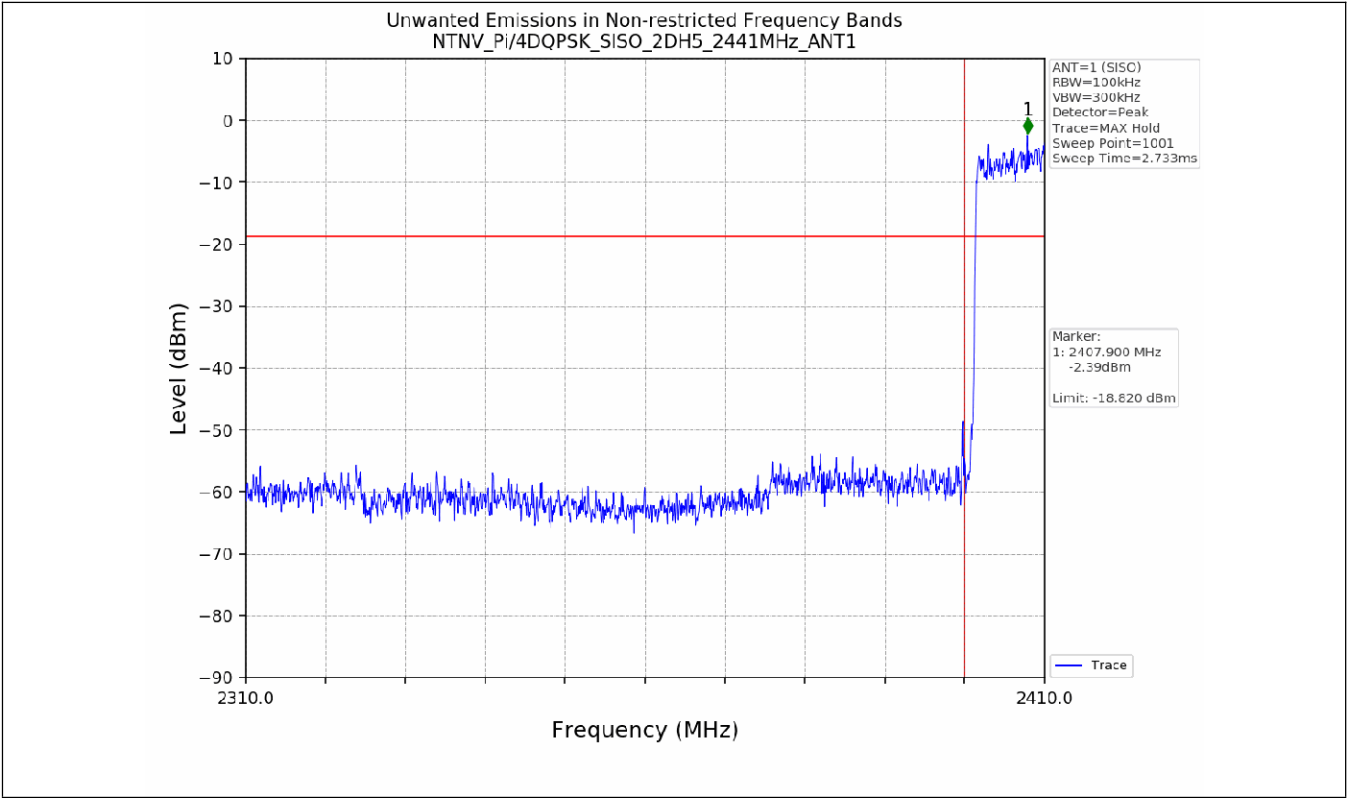
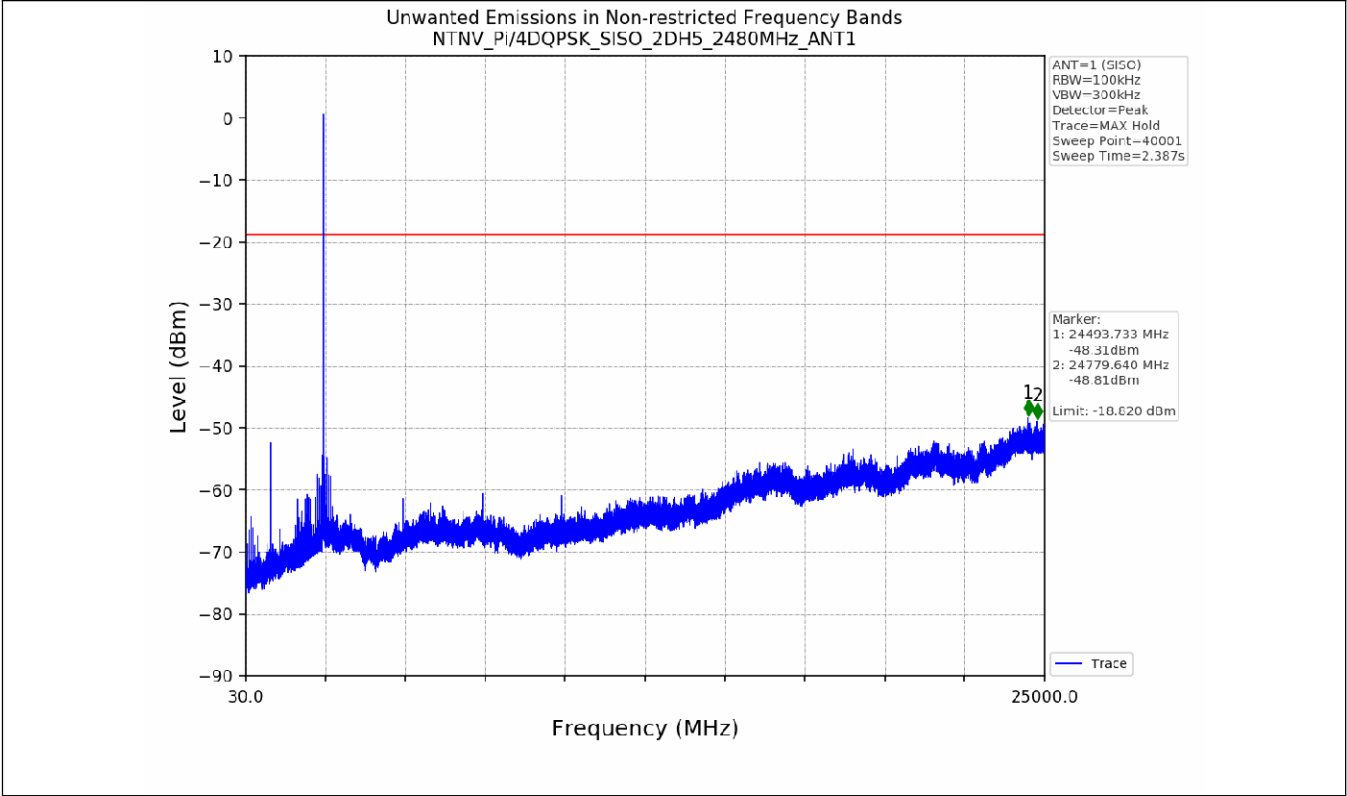


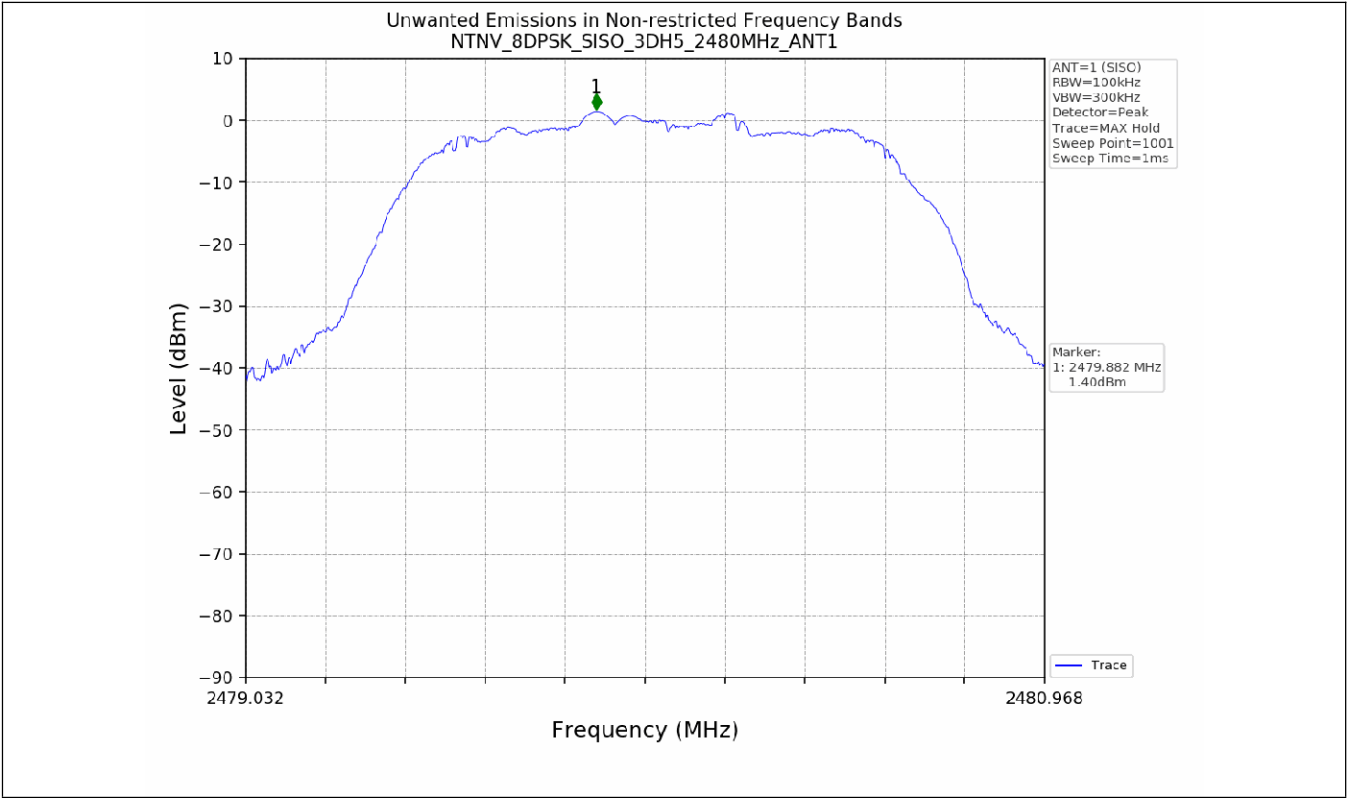
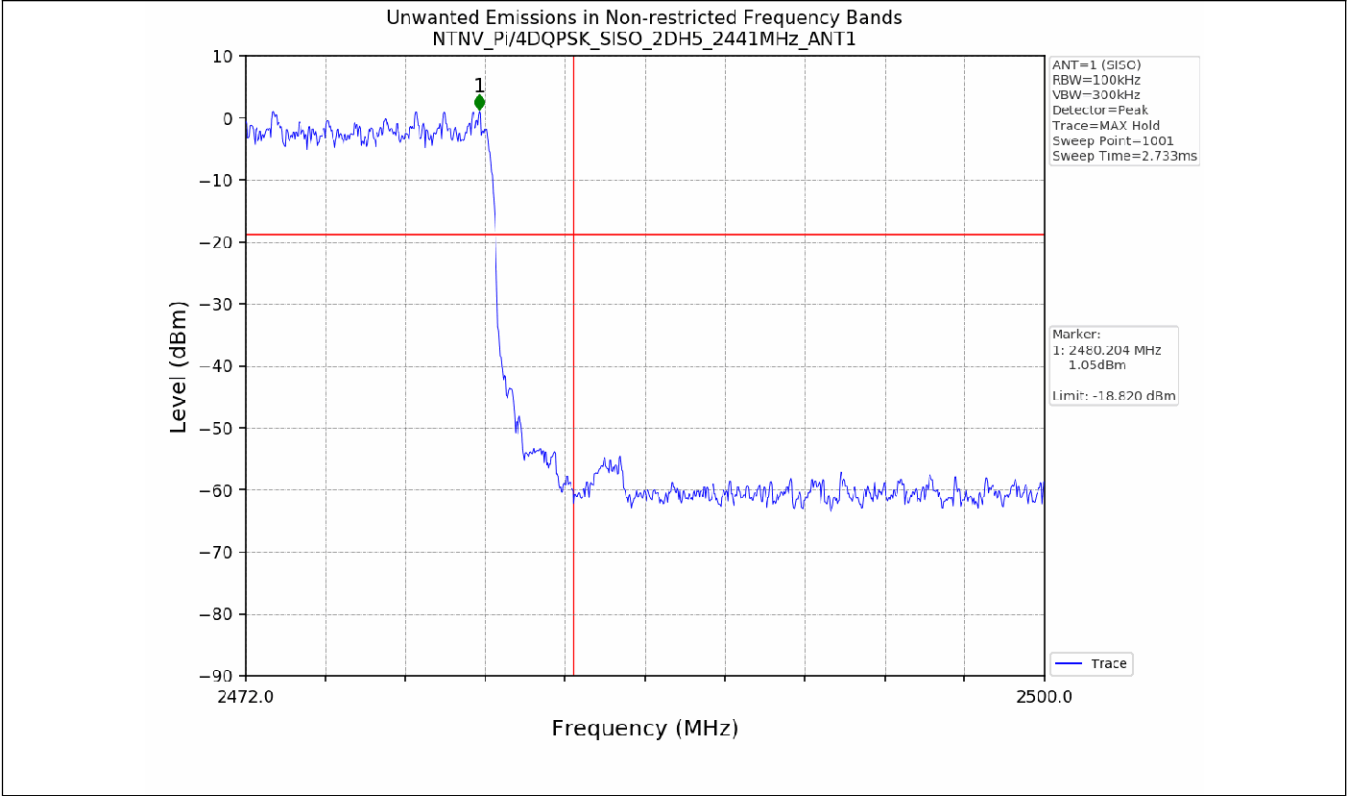
Unwanted Emissions in Non-restricted Frequency Bands
NTNV_Pi/4DQPSK_SISO_2DH5_2441MHz_ANT1

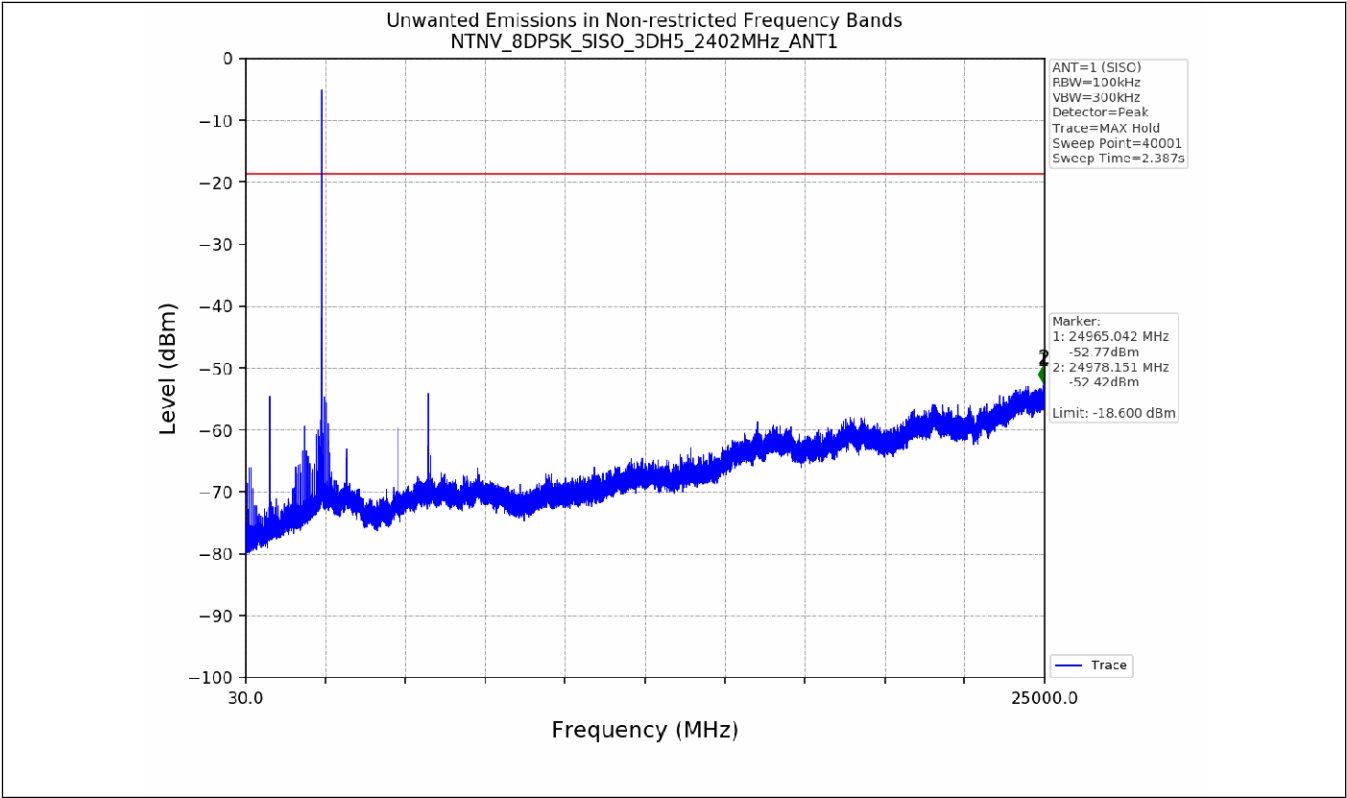
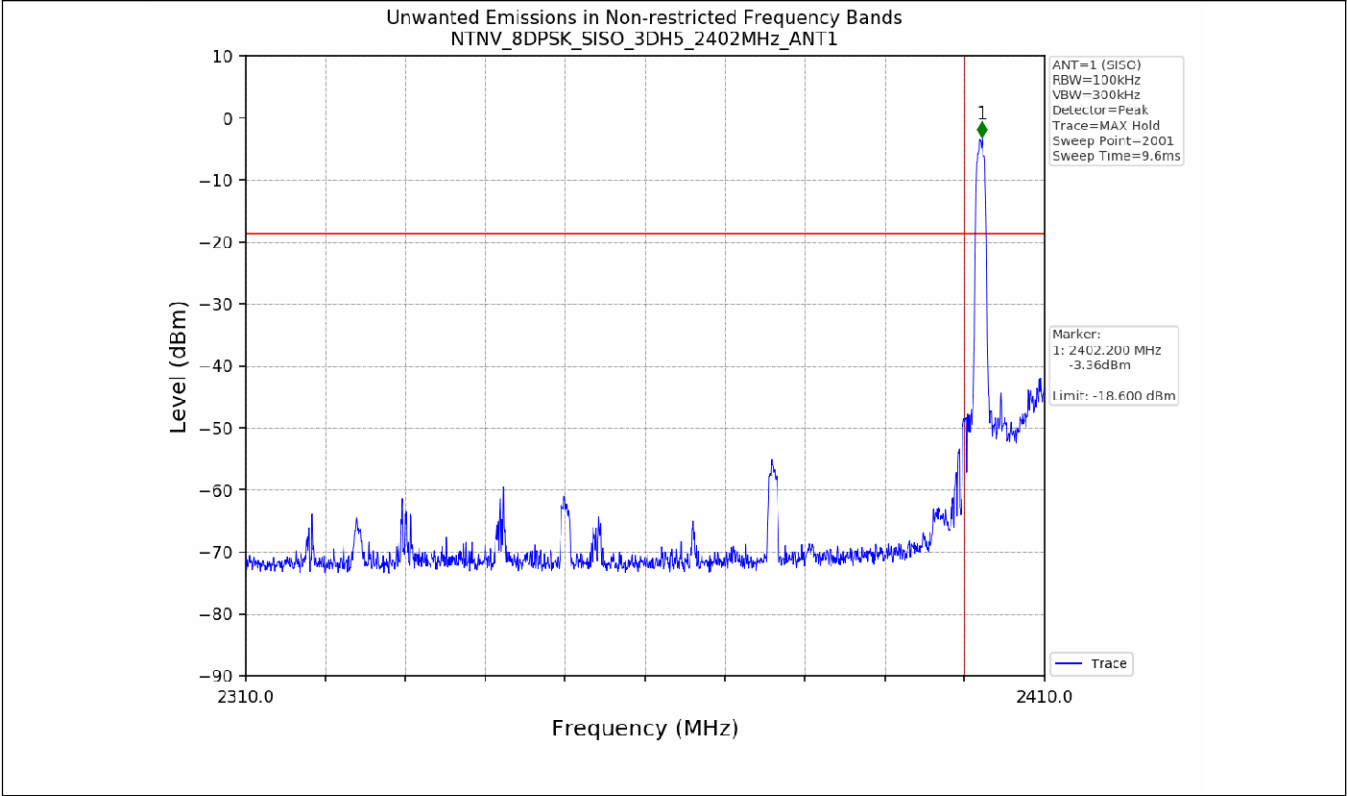


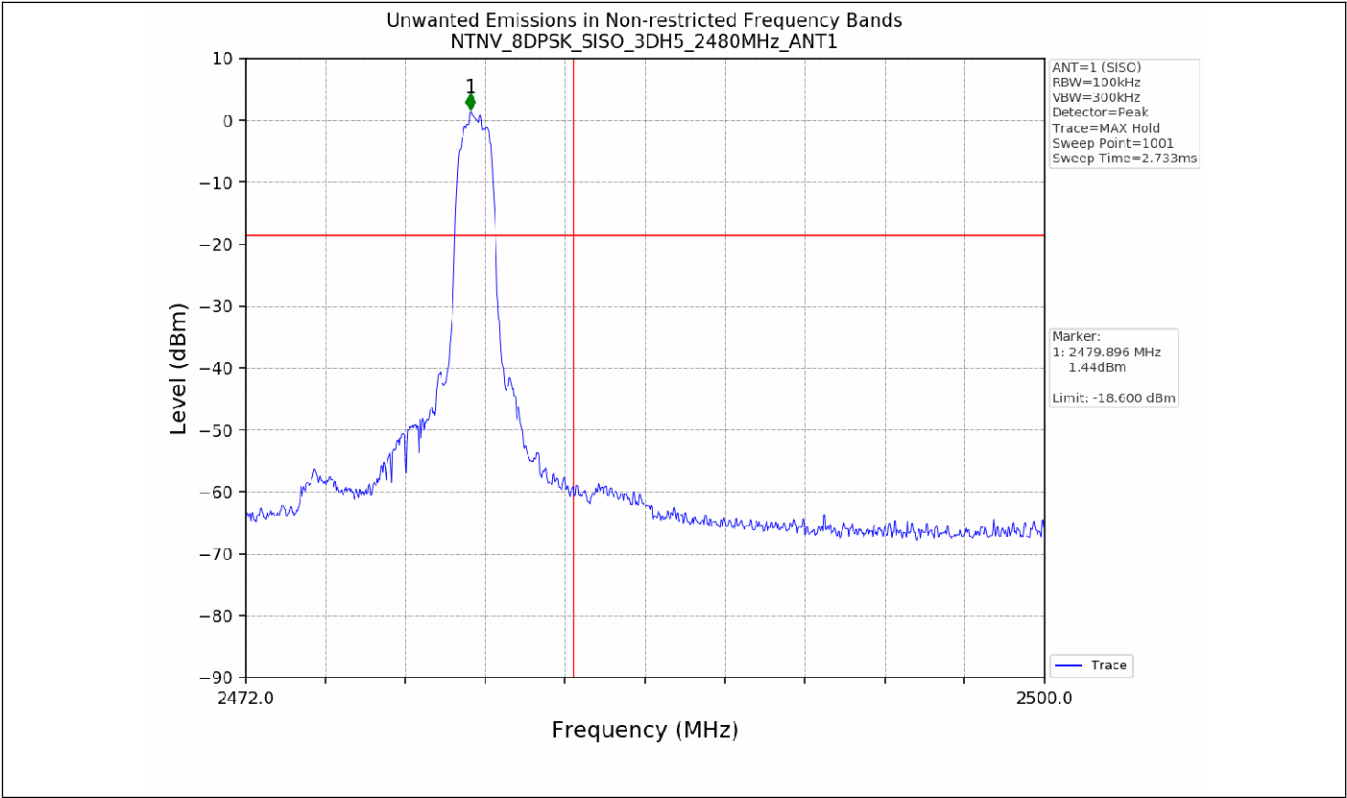
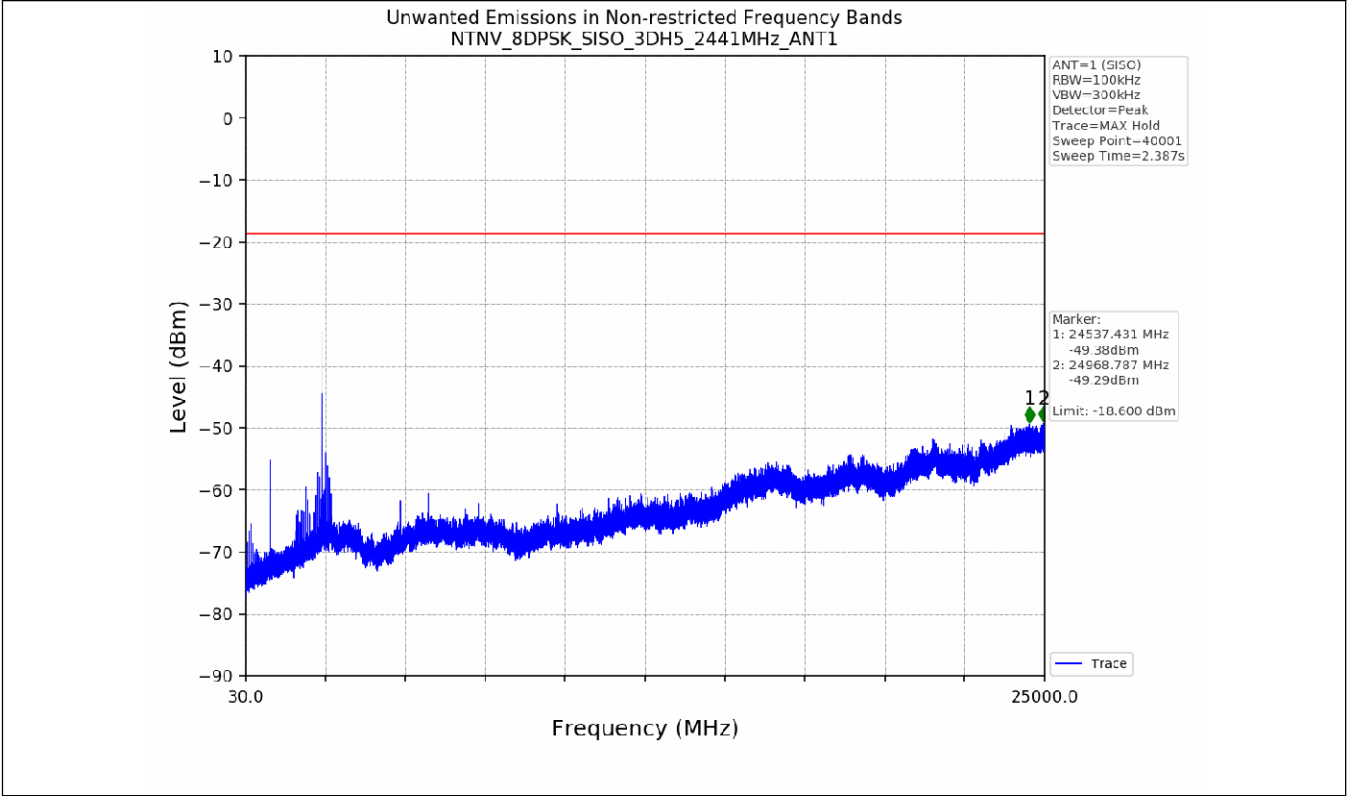
Unwanted Emissions in Non-restricted Frequency Bands
NTNV_Pi/4DQPSK_SISO_2DH5_2480MHz_ANT1

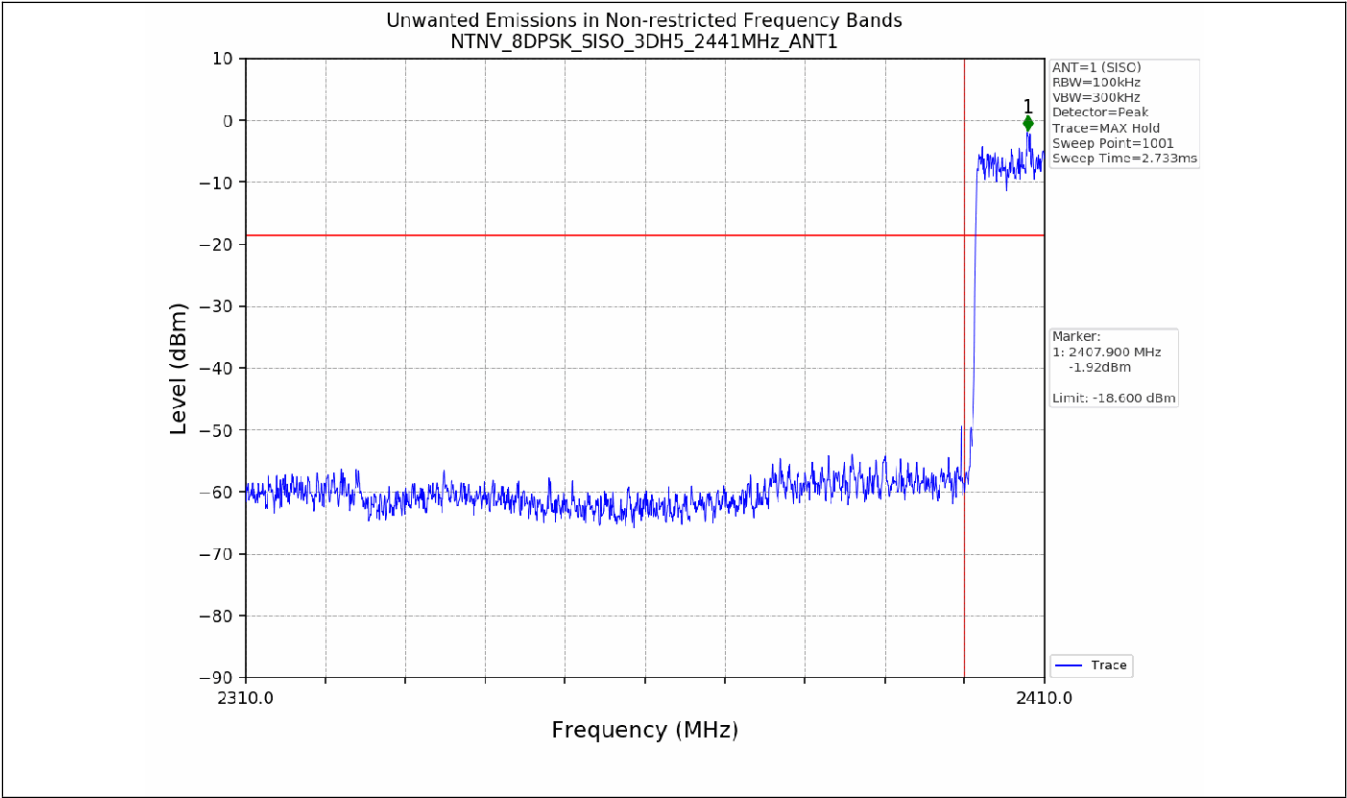
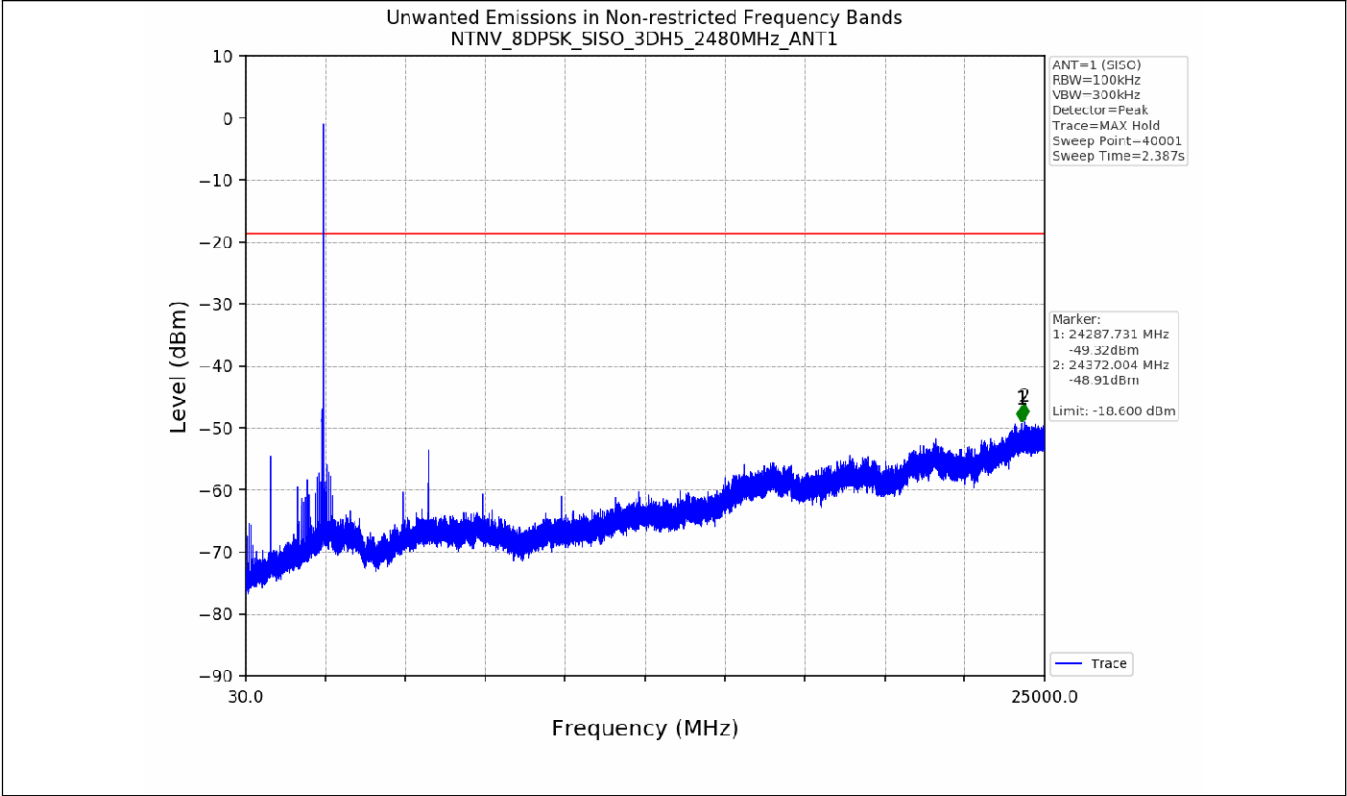












Unwanted Emissions in Non-restricted Frequency Bands
NTNV_8DPSK_SISO_3DH5_2441MHz_ANT1

