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Appendix for 15.247

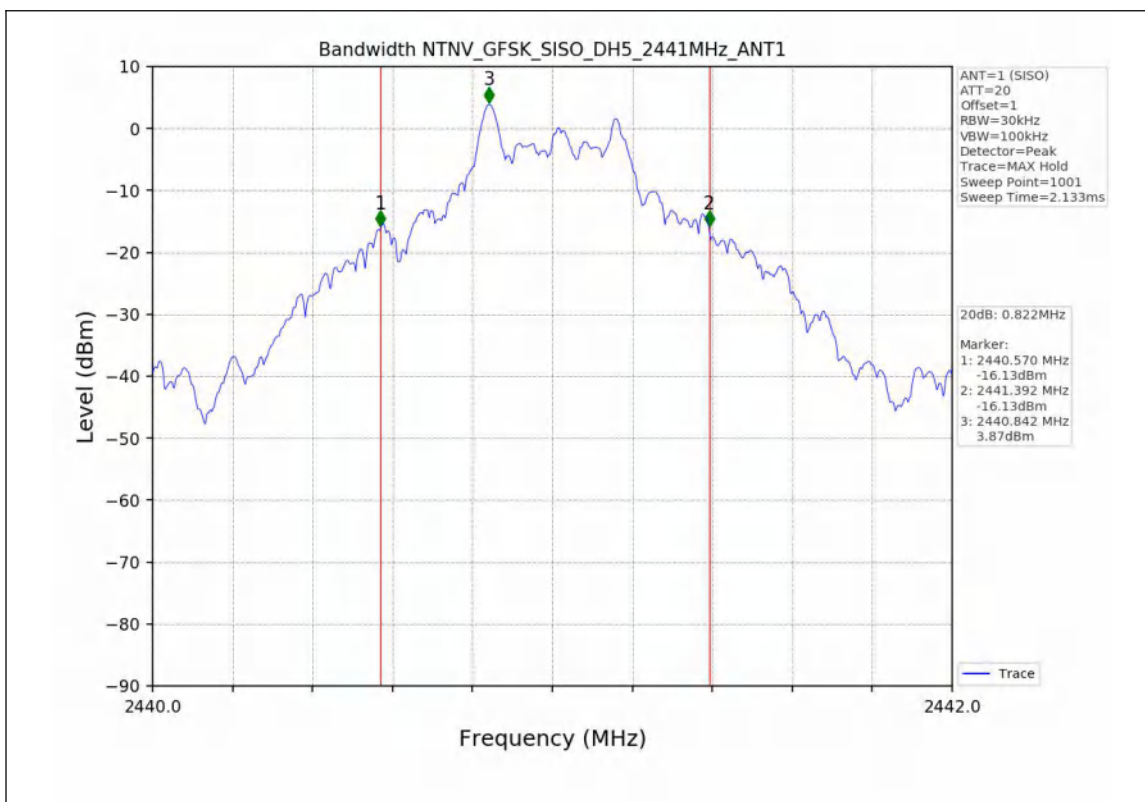
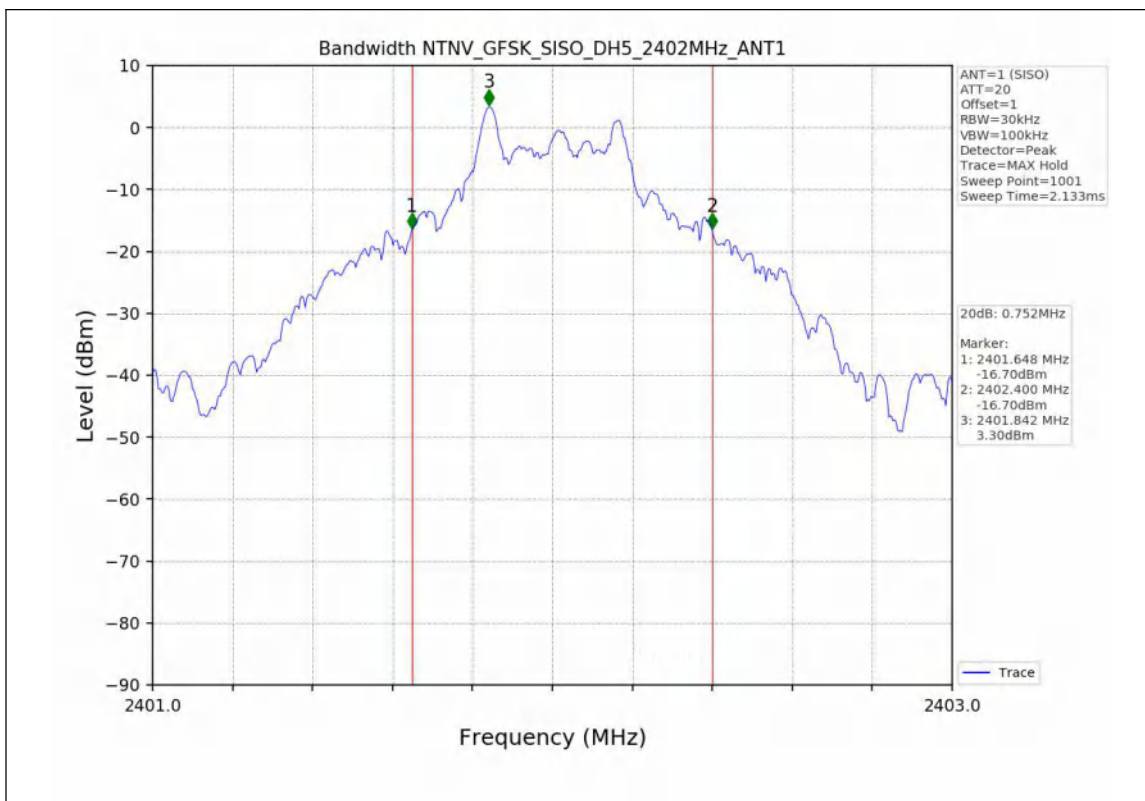
1. Bandwidth

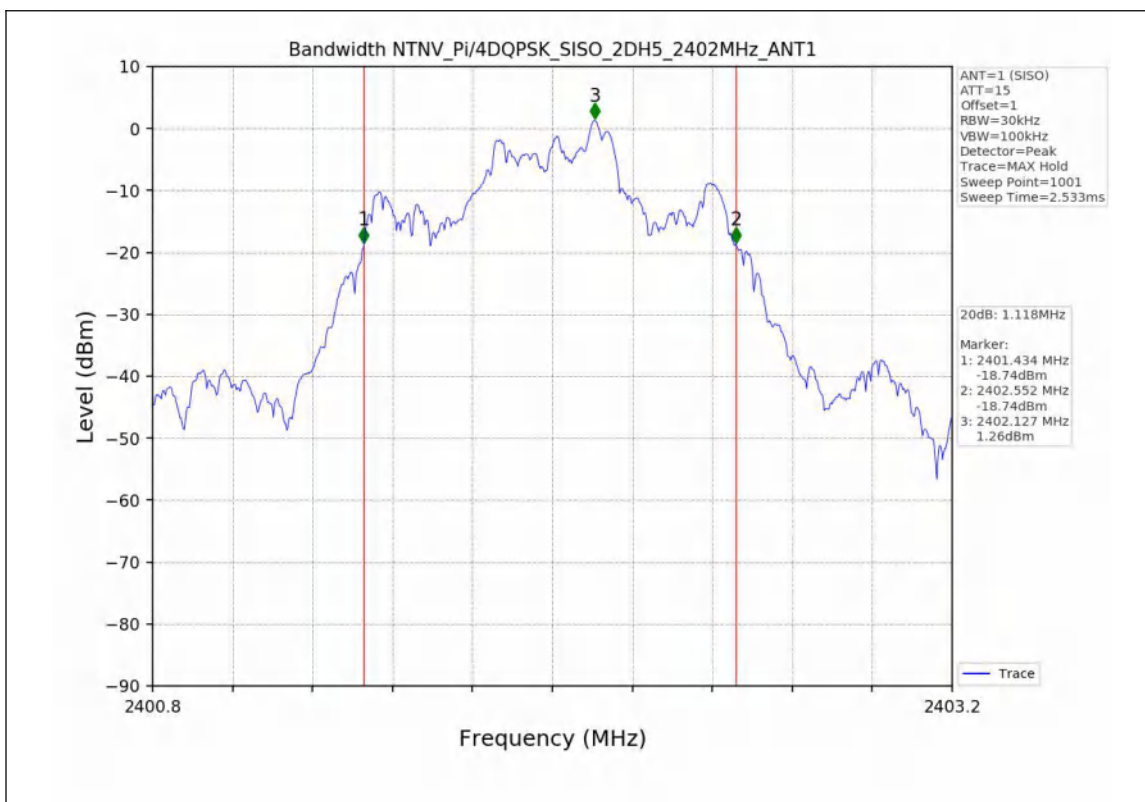
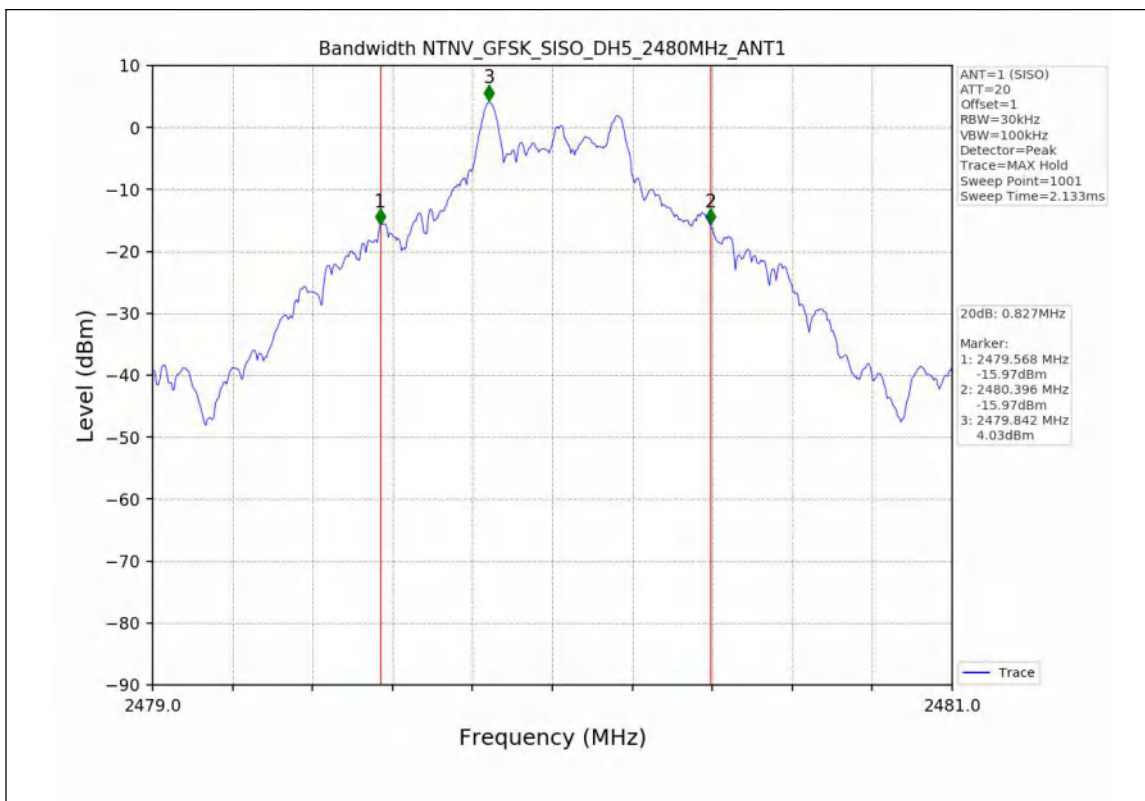
1.1 Test Result

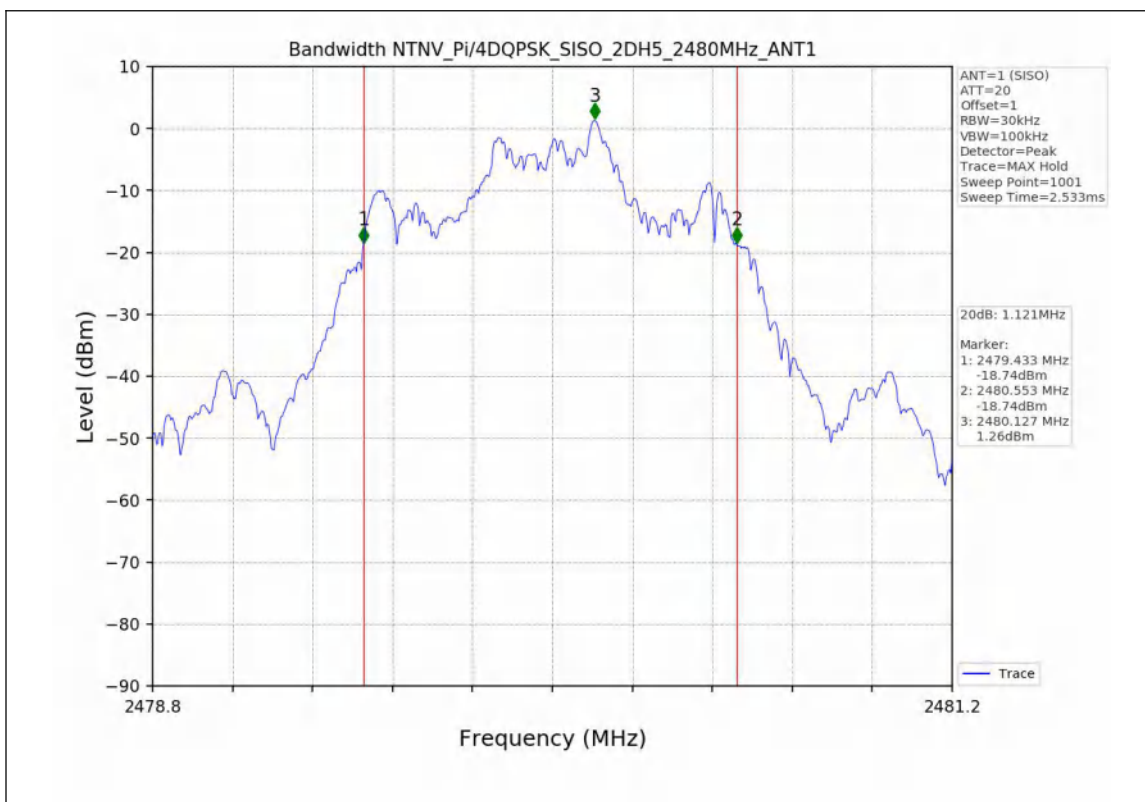
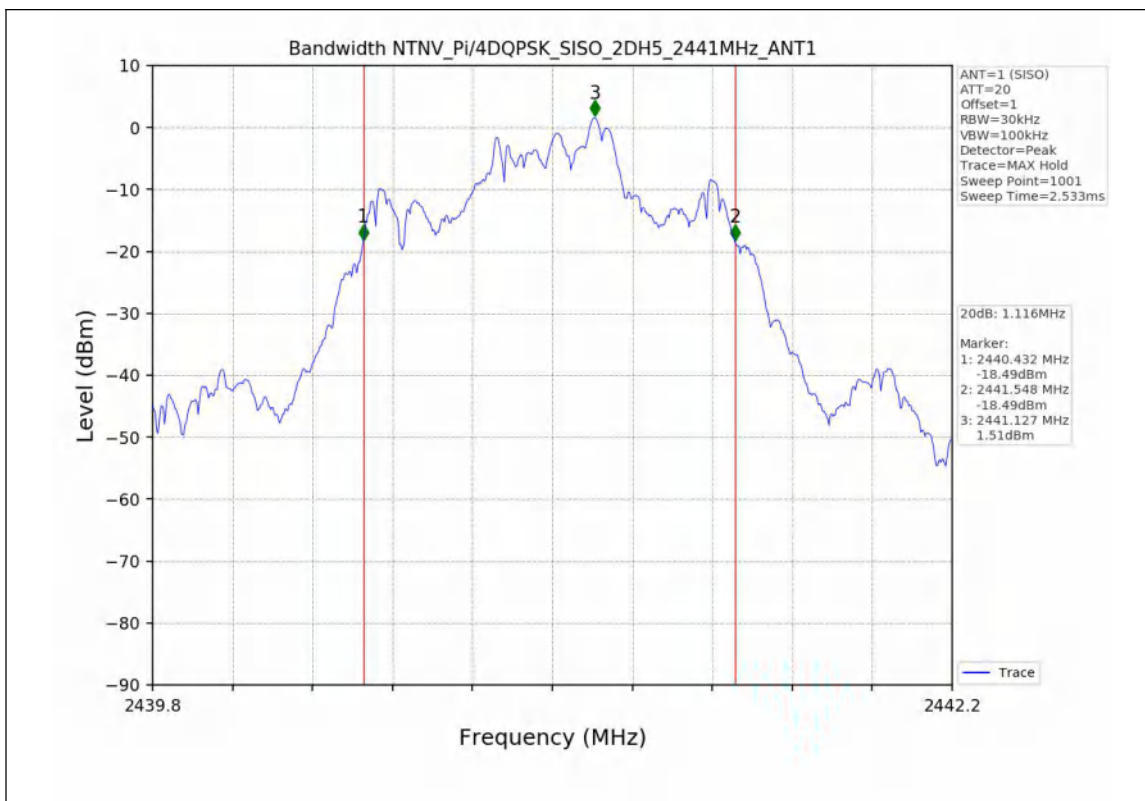
Test Mode	Frequency (MHz)	TX Type	ANT No.	20dB Bandwidth	Verdict
				Test Result (MHz)	
GFSK	2402	SISO	1	0.752	PASS
	2441	SISO	1	0.822	PASS
	2480	SISO	1	0.827	PASS
Pi/4DQPSK	2402	SISO	1	1.118	PASS
	2441	SISO	1	1.116	PASS
	2480	SISO	1	1.121	PASS
8DPSK	2402	SISO	1	1.111	PASS
	2441	SISO	1	1.113	PASS
	2480	SISO	1	1.116	PASS

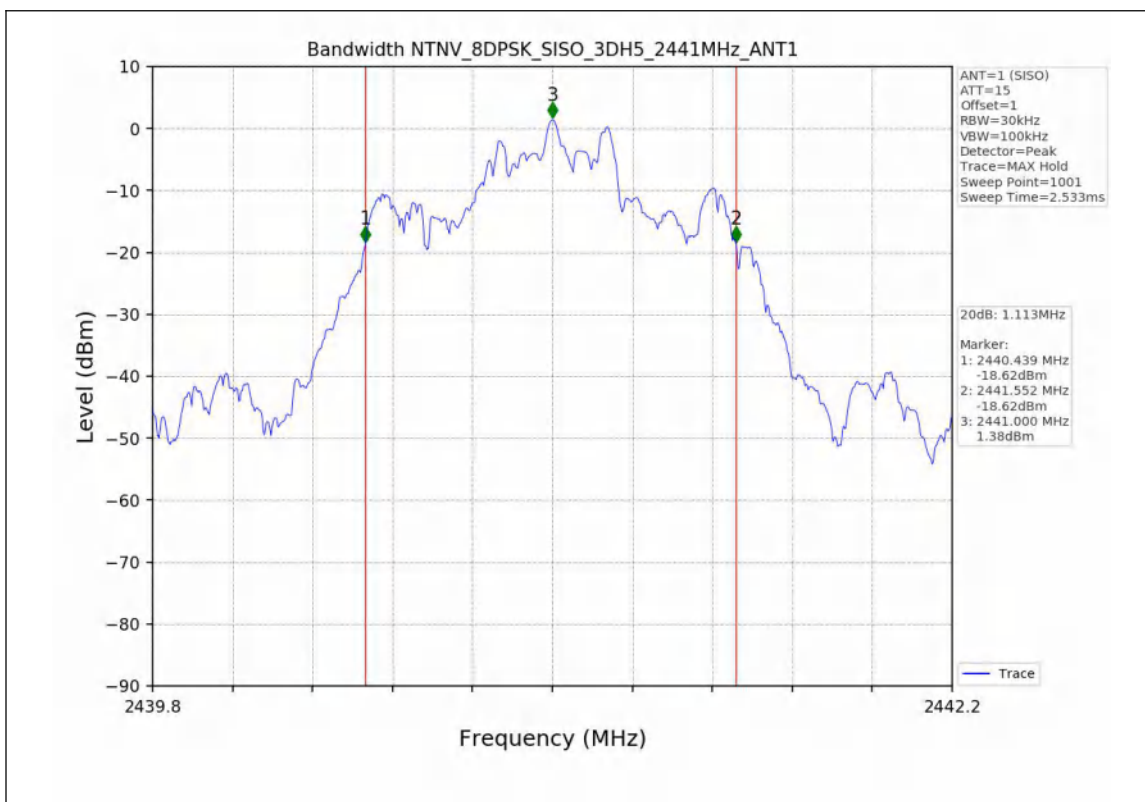
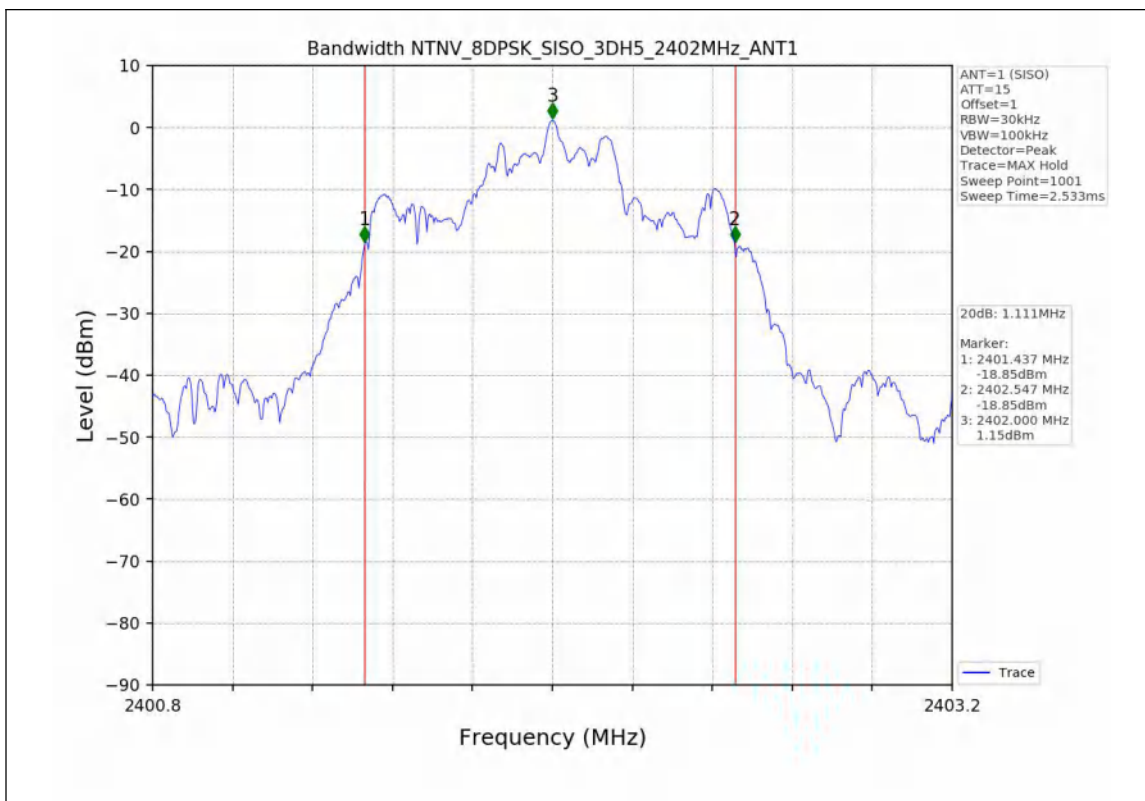
Test Mode	Frequency (MHz)	TX Type	ANT No.	99% Occupied Bandwidth	
				Test Result (MHz)	
GFSK	2402	SISO	1	0.838	Only for Report Use
	2441	SISO	1	0.861	Only for Report Use
	2480	SISO	1	0.838	Only for Report Use
Pi/4DQPSK	2402	SISO	1	1.067	Only for Report Use
	2441	SISO	1	1.067	Only for Report Use
	2480	SISO	1	1.069	Only for Report Use
8DPSK	2402	SISO	1	1.054	Only for Report Use
	2441	SISO	1	1.068	Only for Report Use
	2480	SISO	1	1.070	Only for Report Use

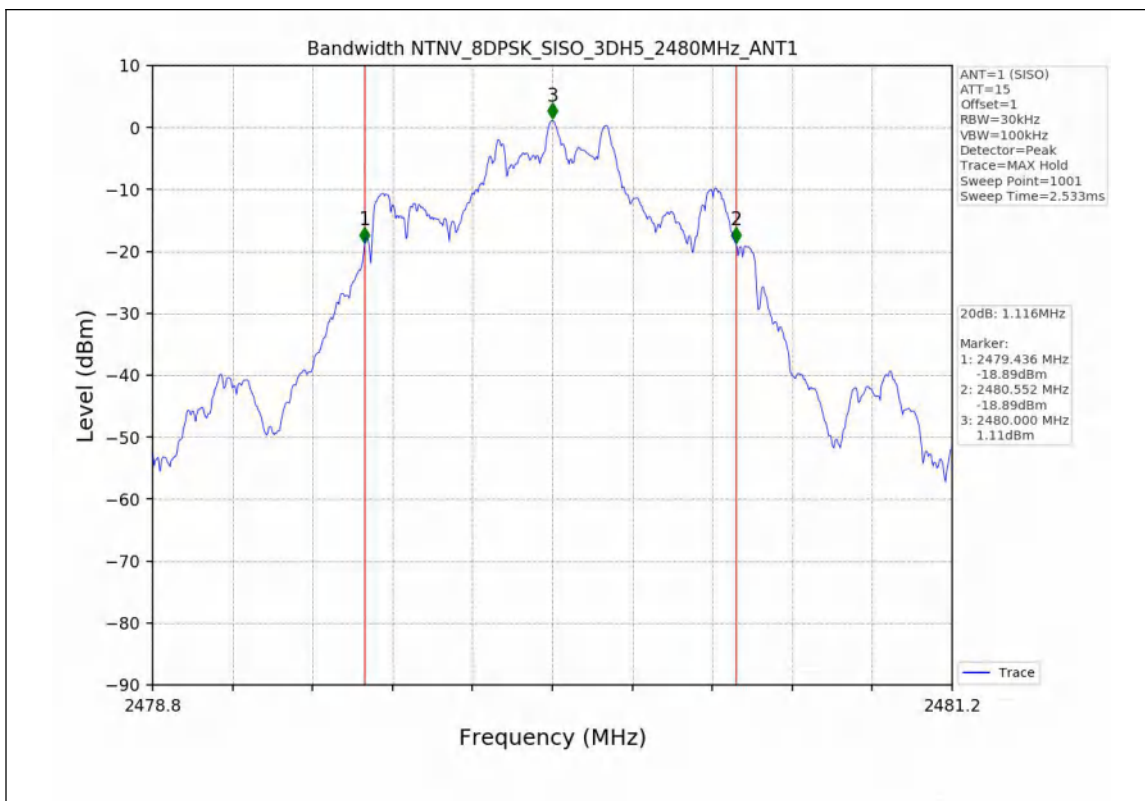
1.2 Test Graph - 20dB Bandwidth



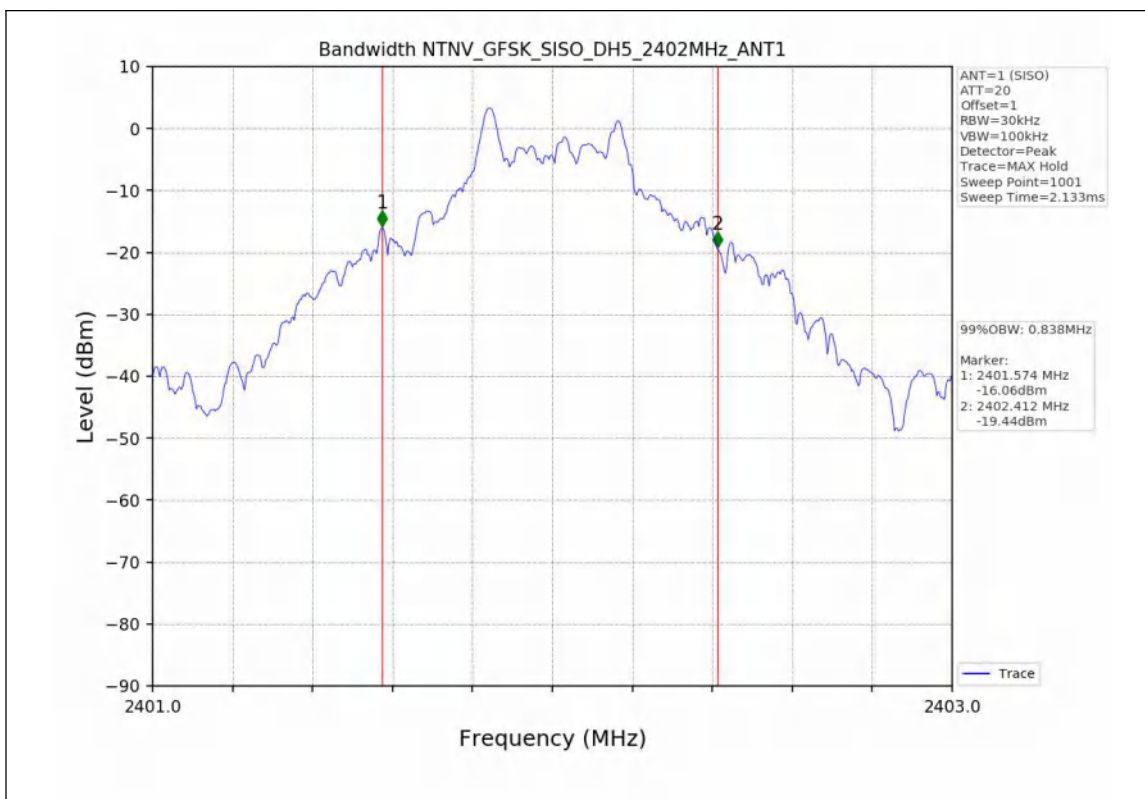


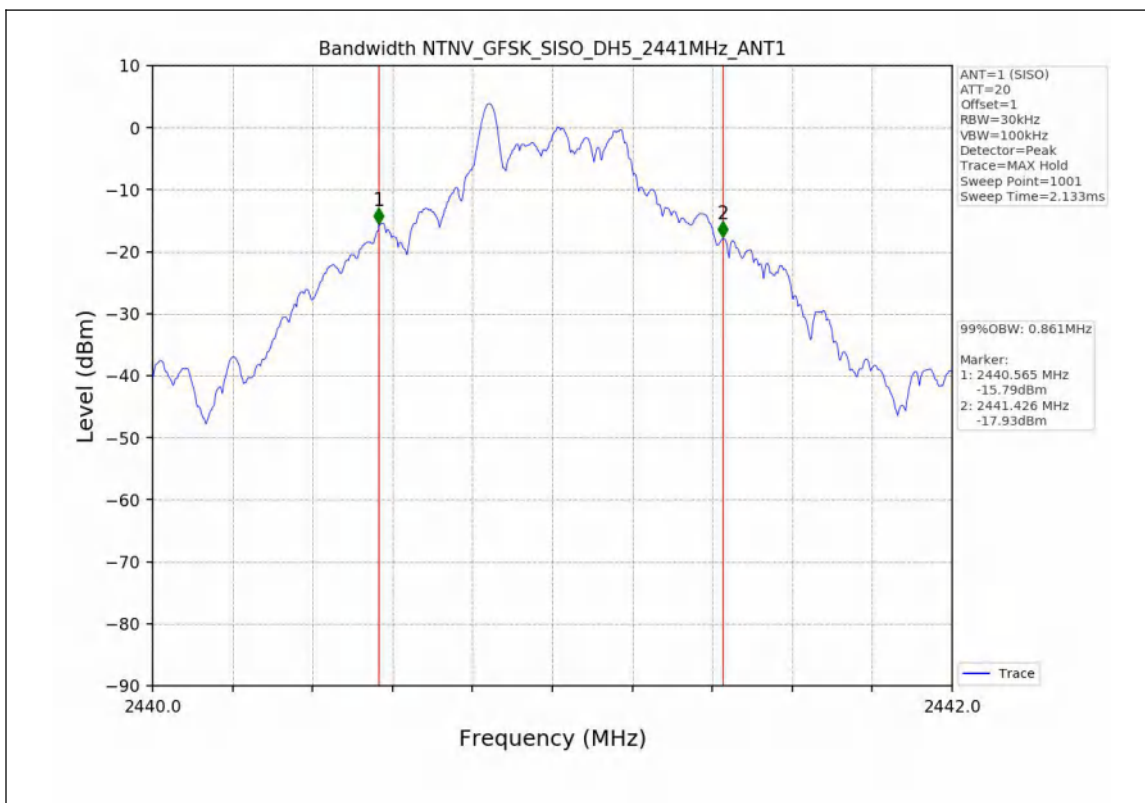


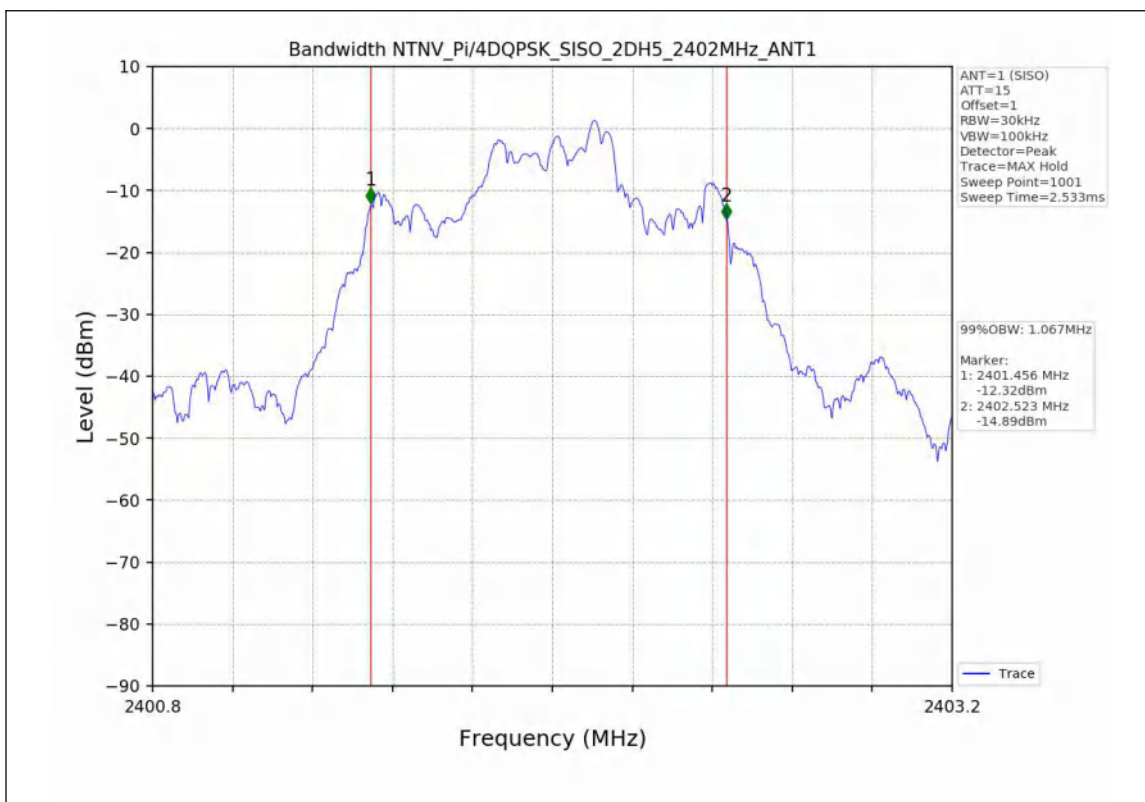
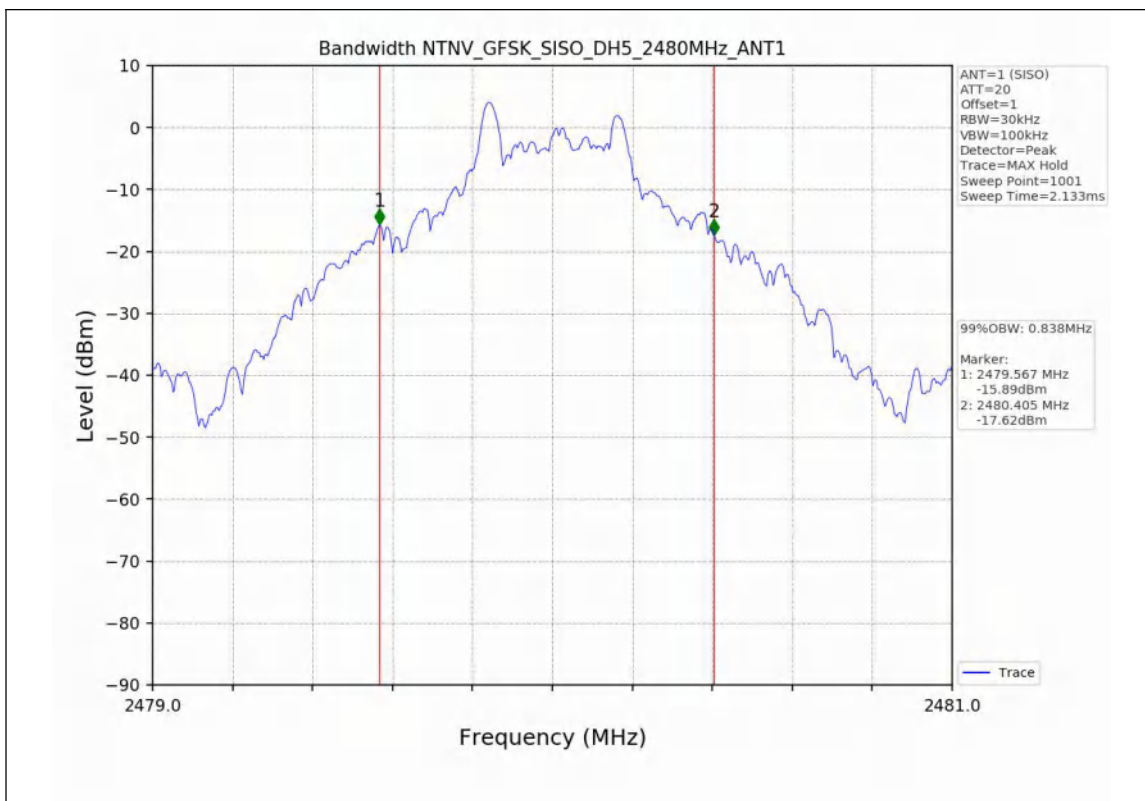


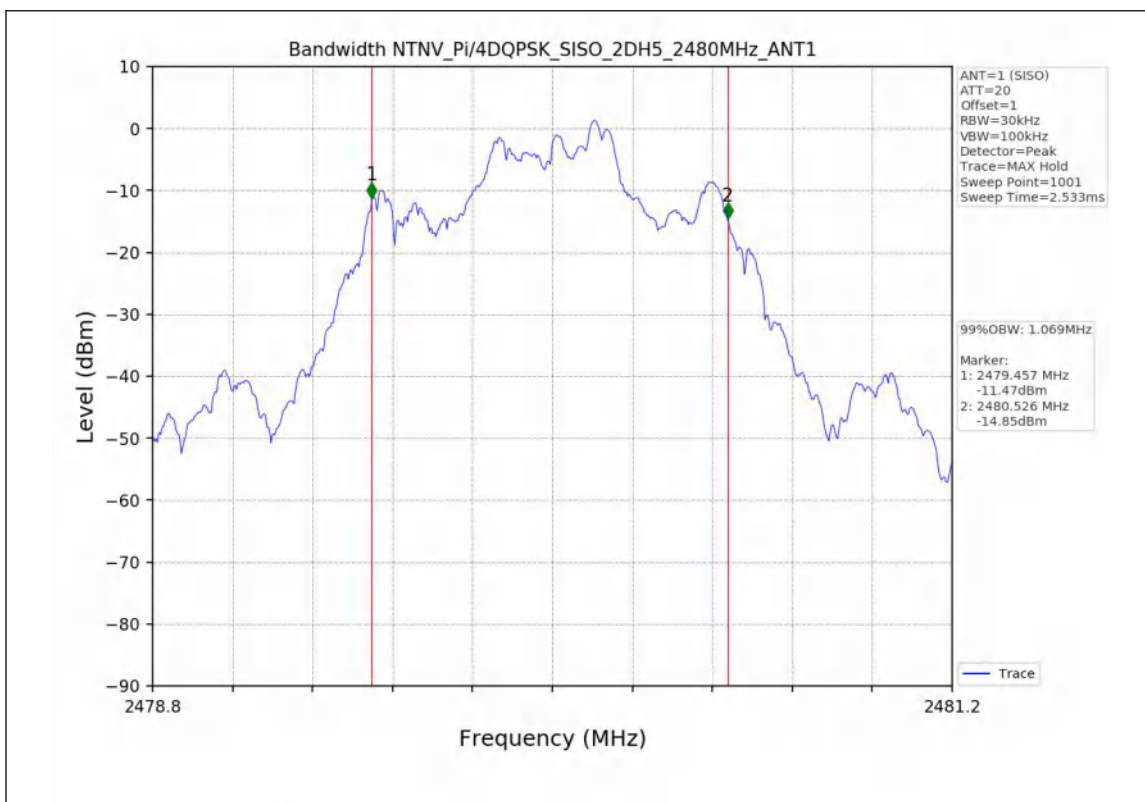
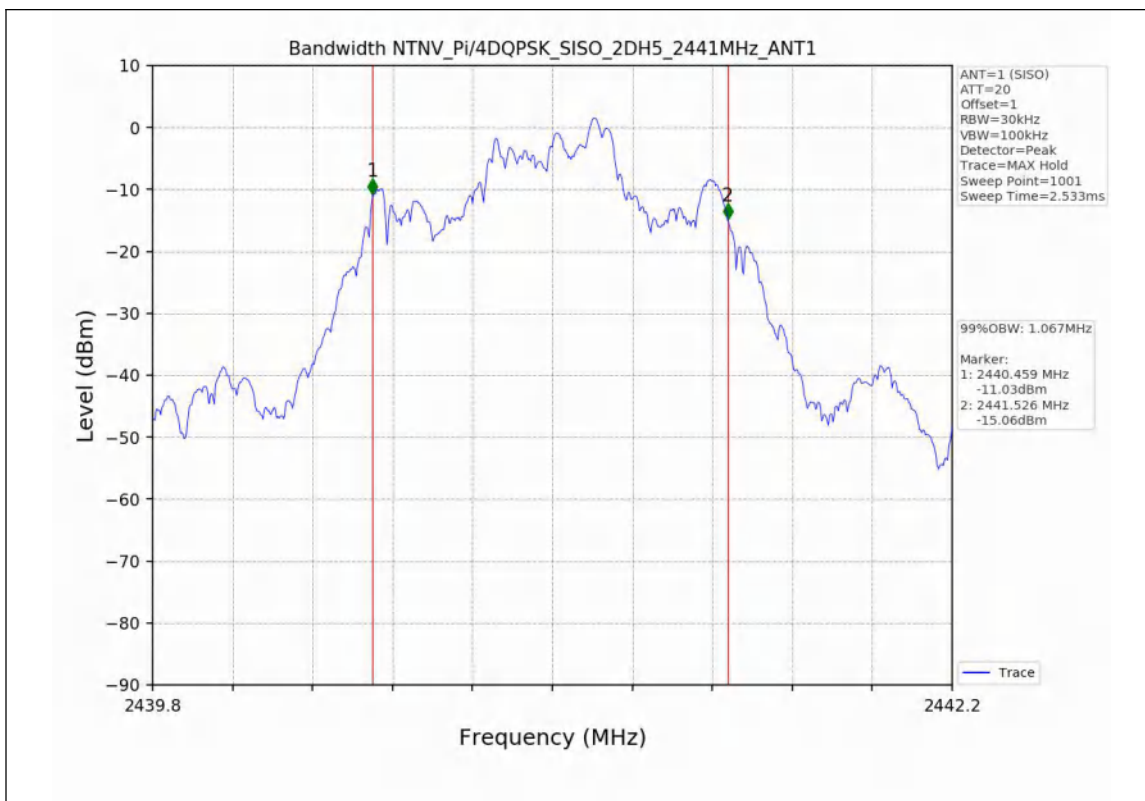


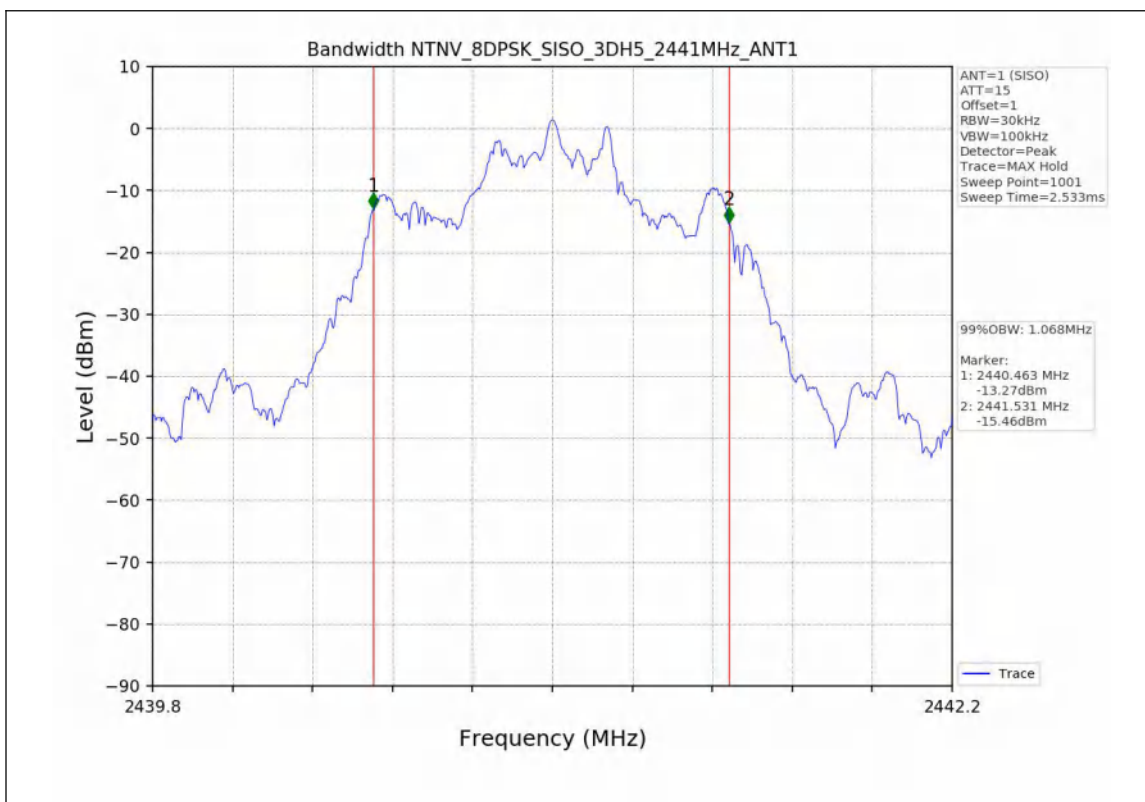
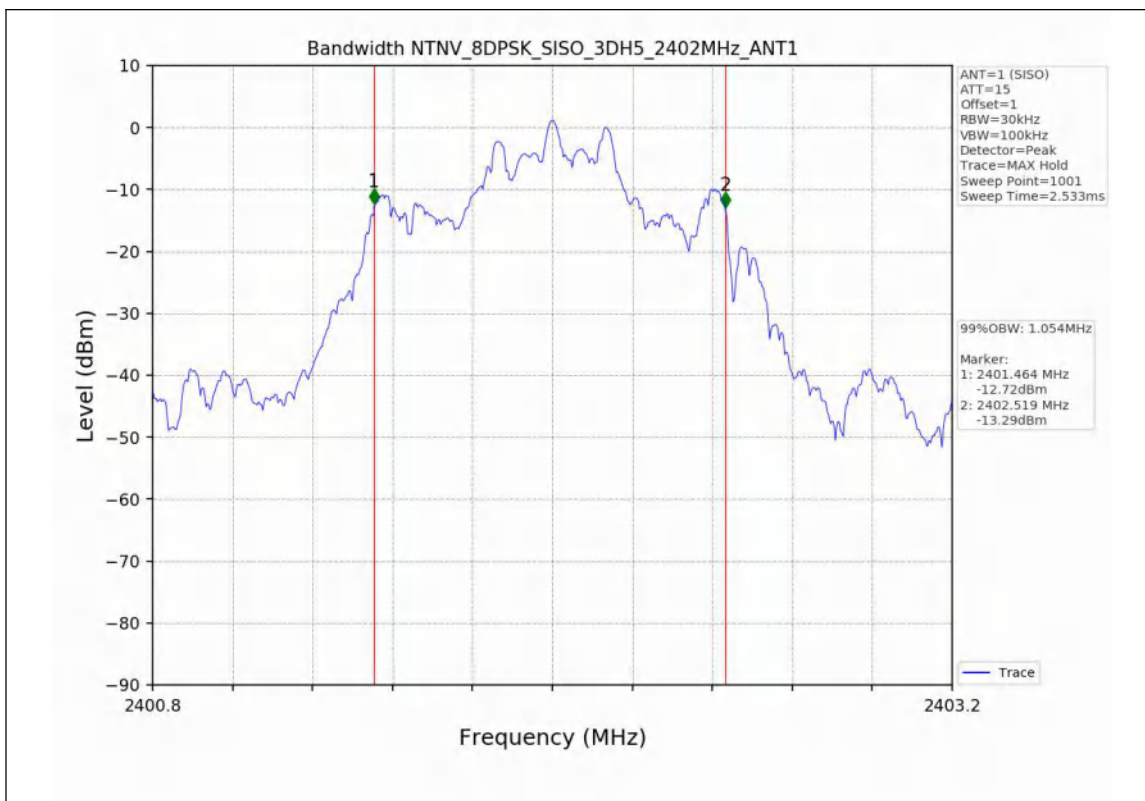
1.3 Test Graph - 99% Occupied Bandwidth

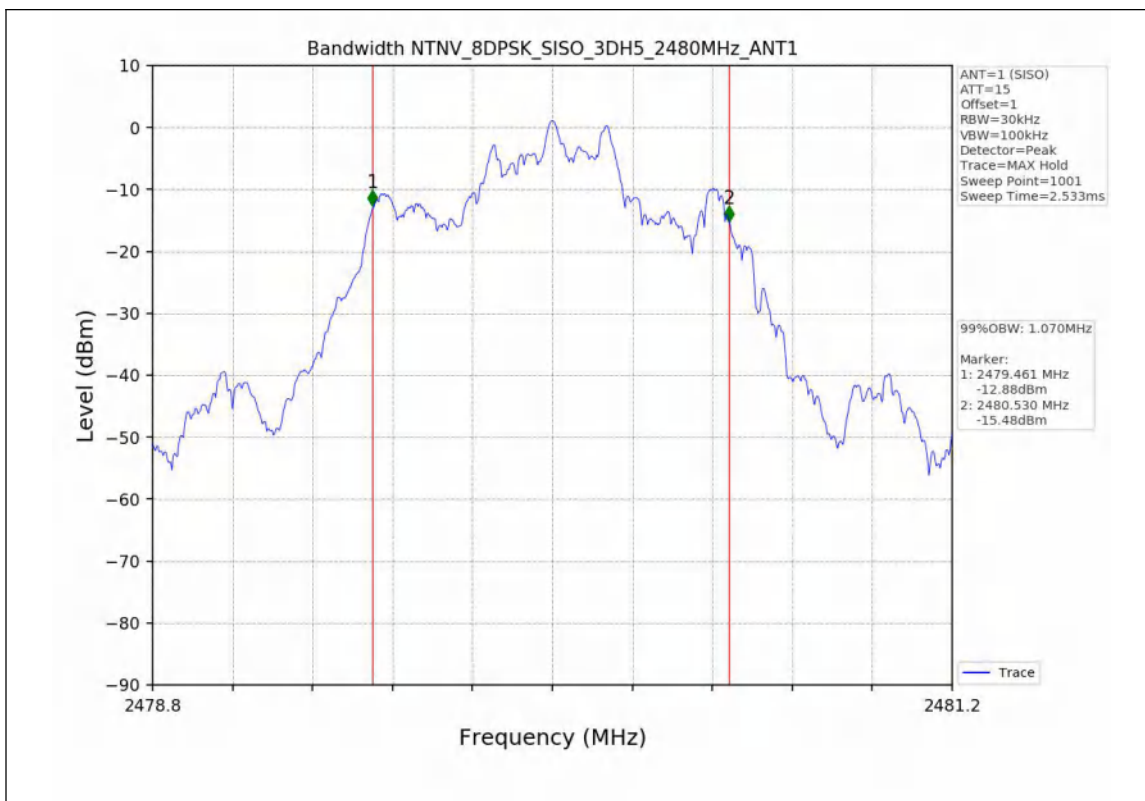










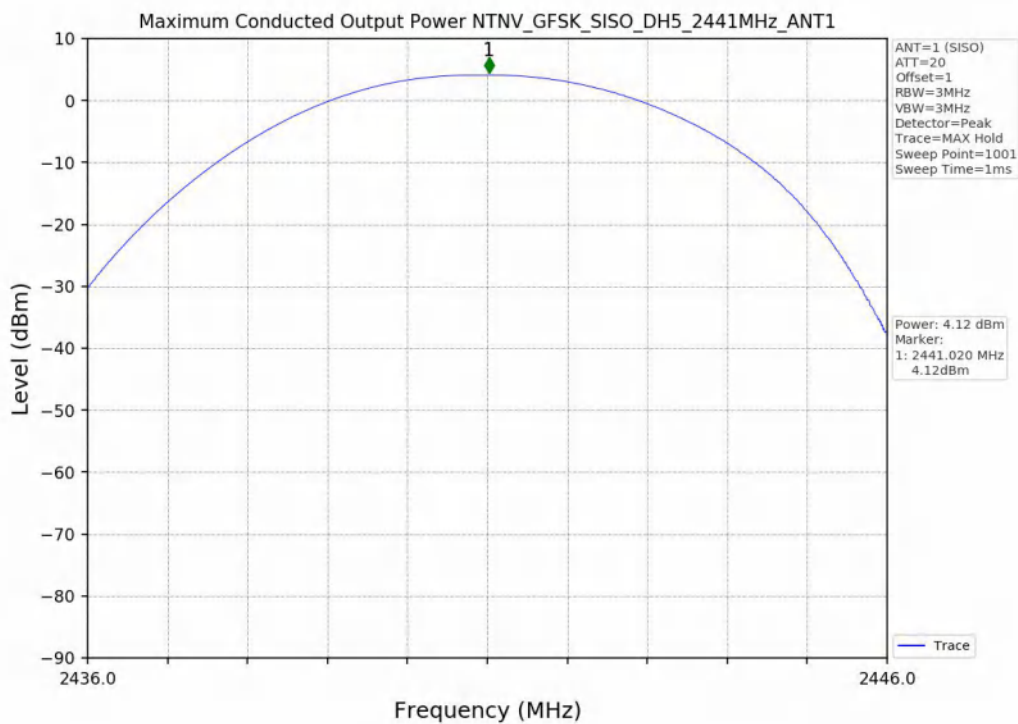
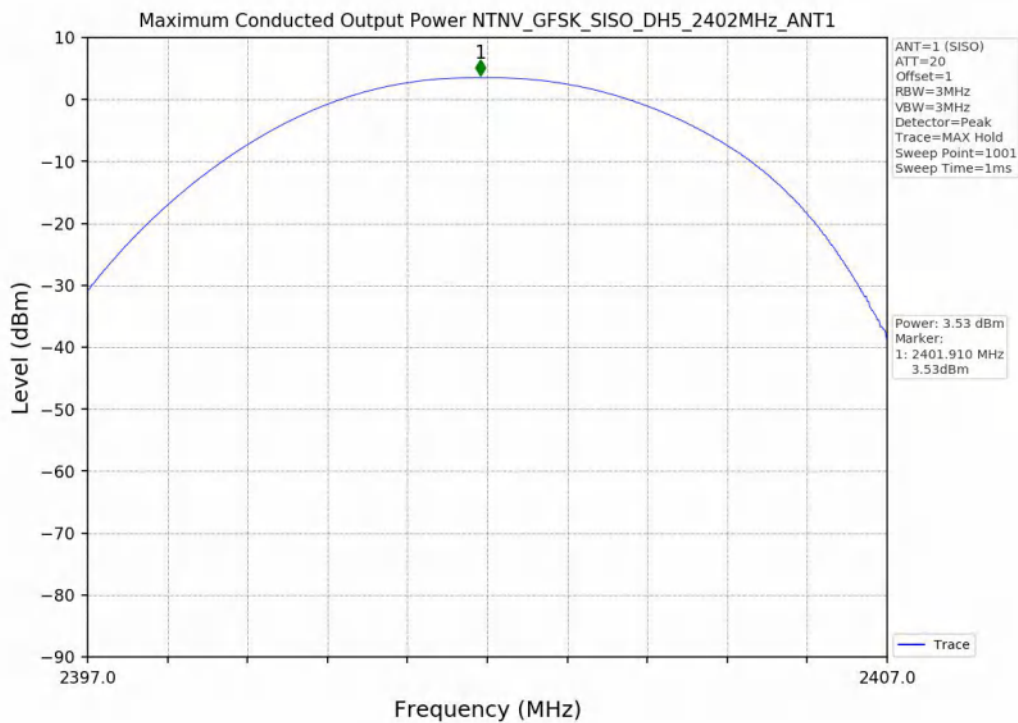


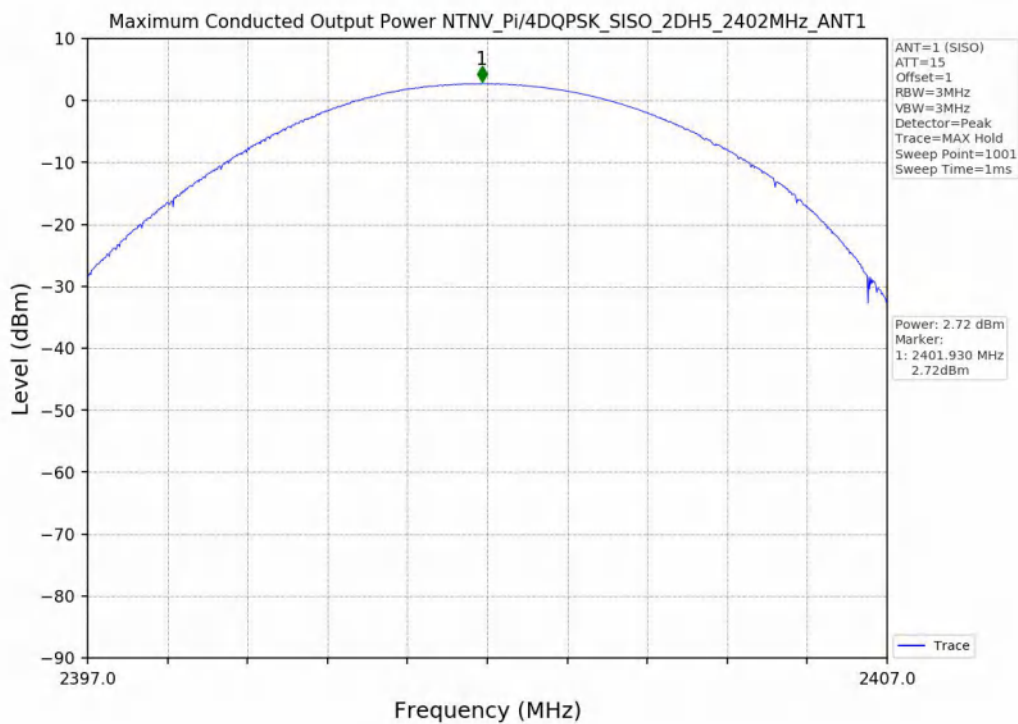
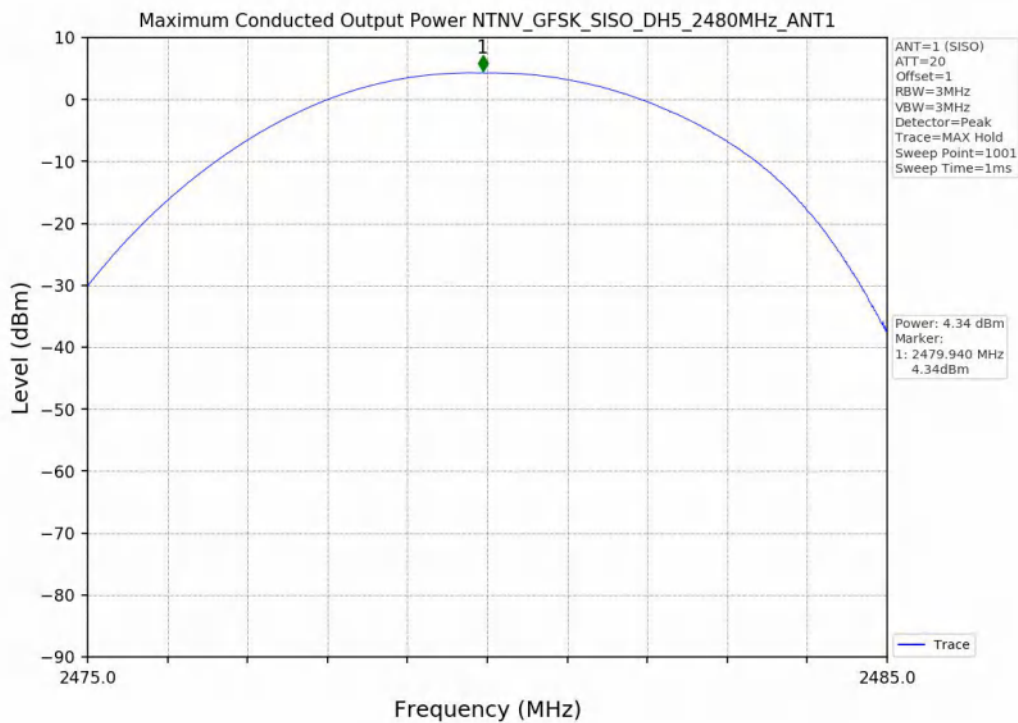
2. Maximum Conducted Output Power

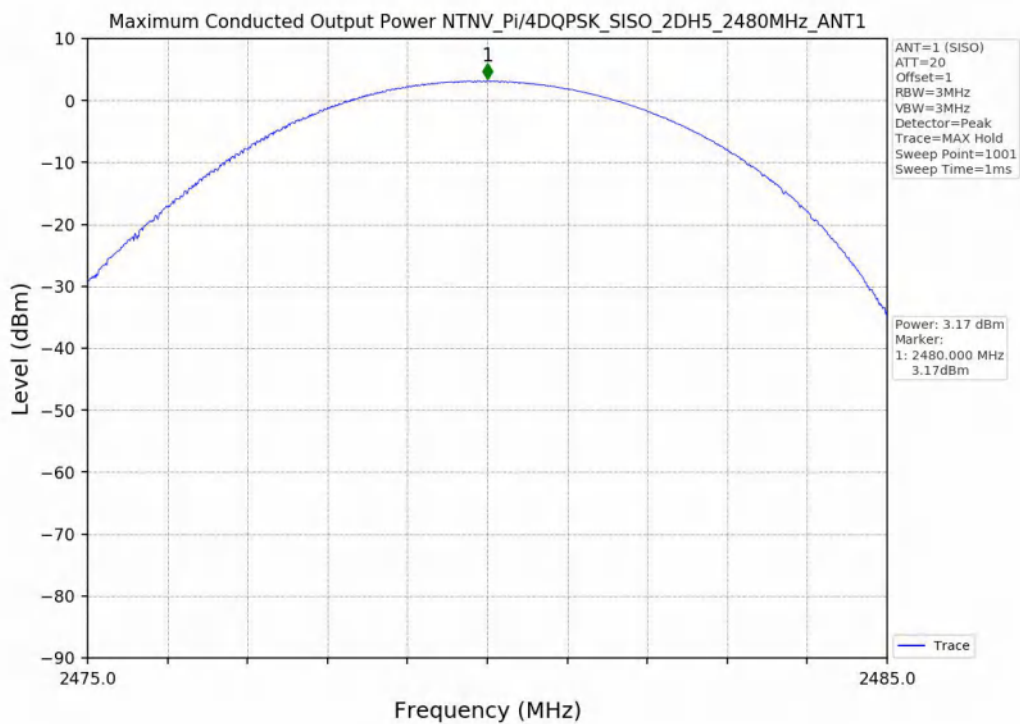
2.1 Test Result

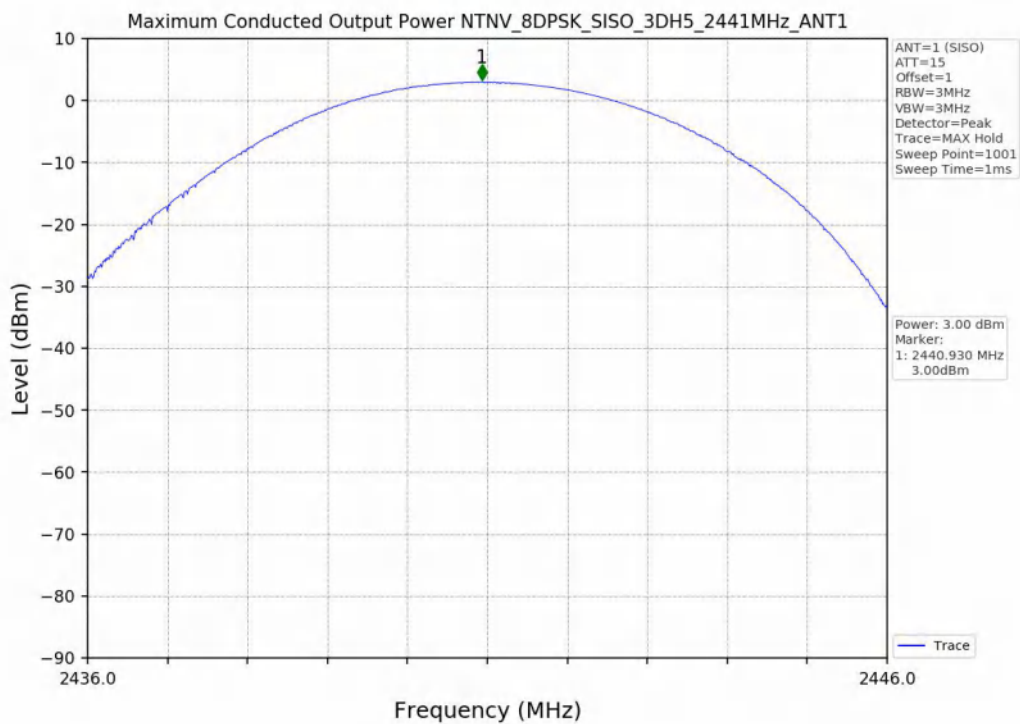
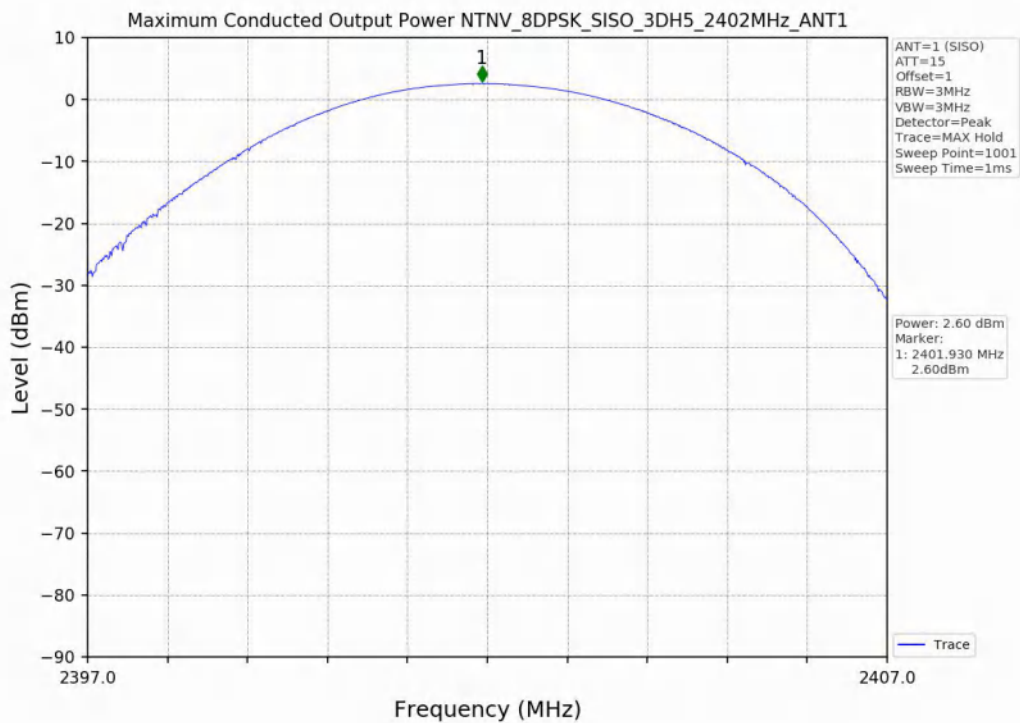
Test Mode	Frequency (MHz)	Tx Type	Measured Peak Output Power (dBm)	Limits (dBm)	Verdict
			Ant 1		
GFSK	2402	SISO	3.53	30	PASS
	2441	SISO	4.12	30	PASS
	2480	SISO	4.34	30	PASS
Pi/4DQPSK	2402	SISO	2.72	20.97	PASS
	2441	SISO	3.16	20.97	PASS
	2480	SISO	3.17	20.97	PASS
8DPSK	2402	SISO	2.60	20.97	PASS
	2441	SISO	3.00	20.97	PASS
	2480	SISO	2.97	20.97	PASS

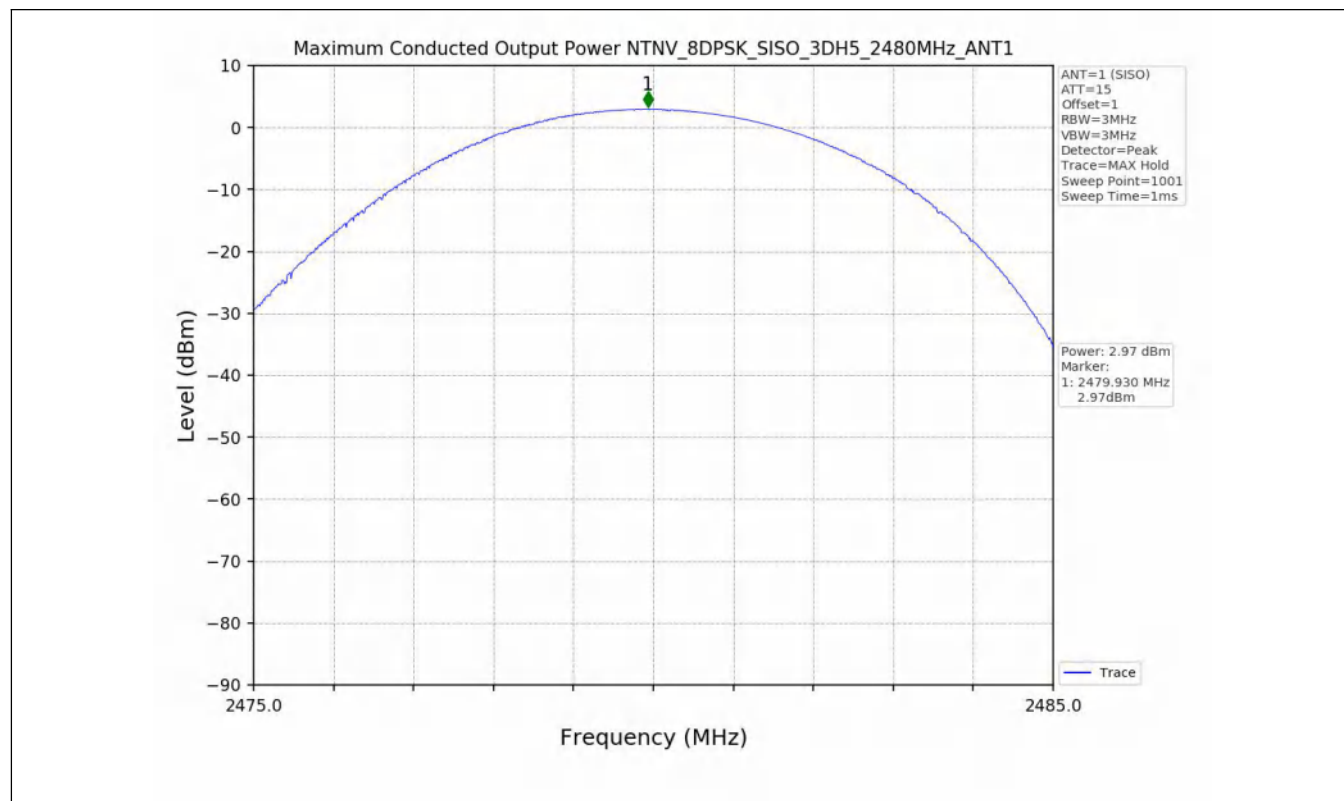
2.2 Test Graph









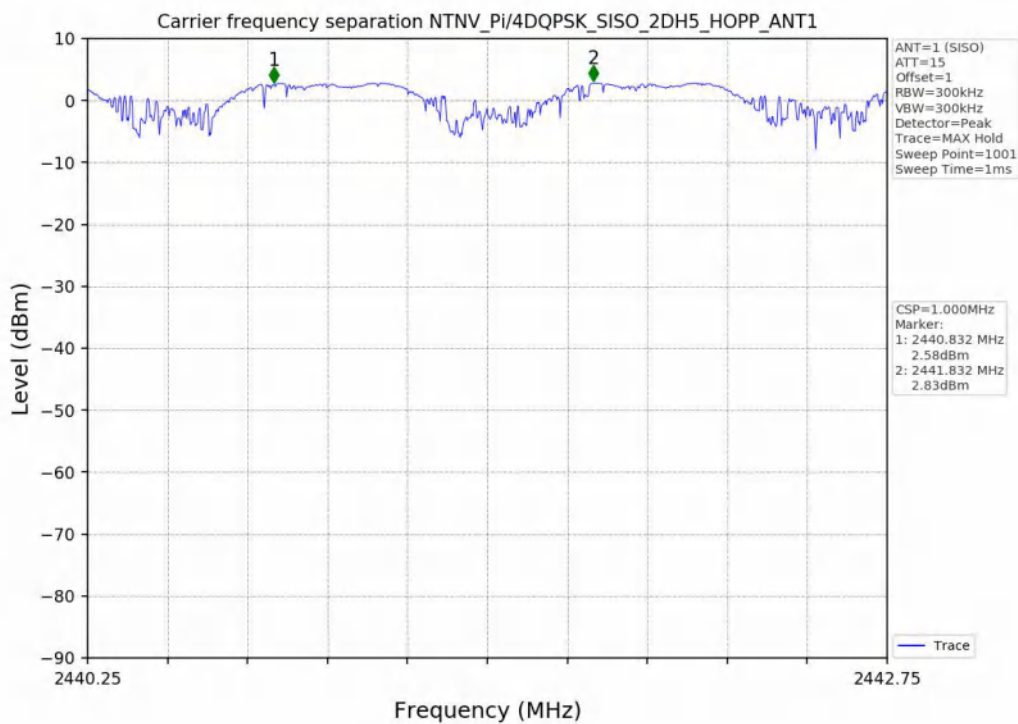
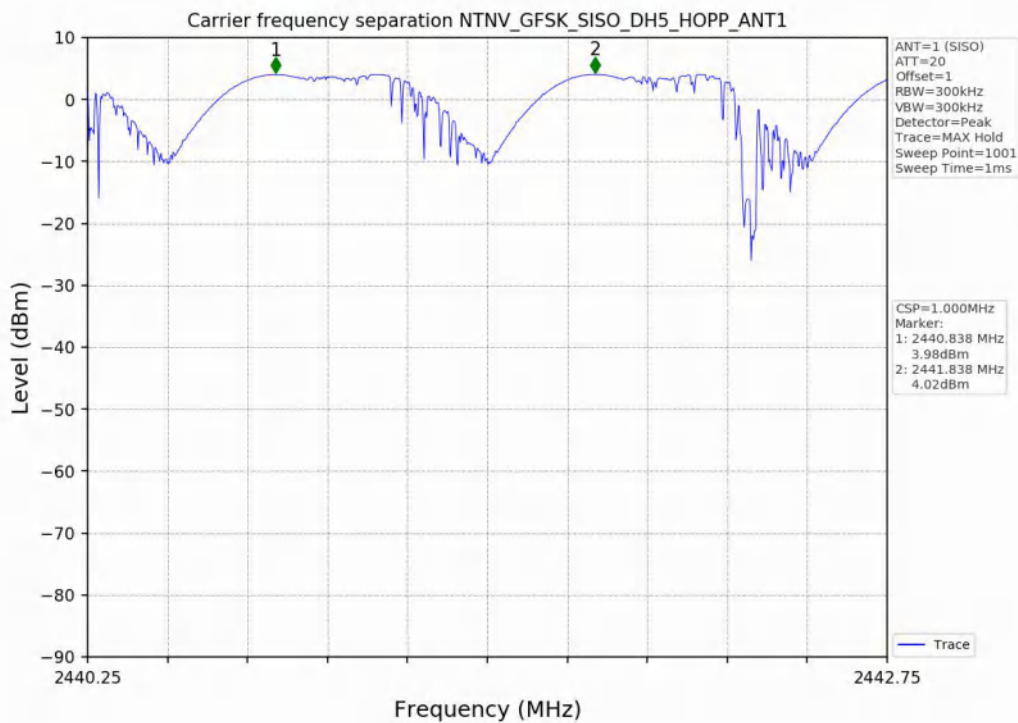


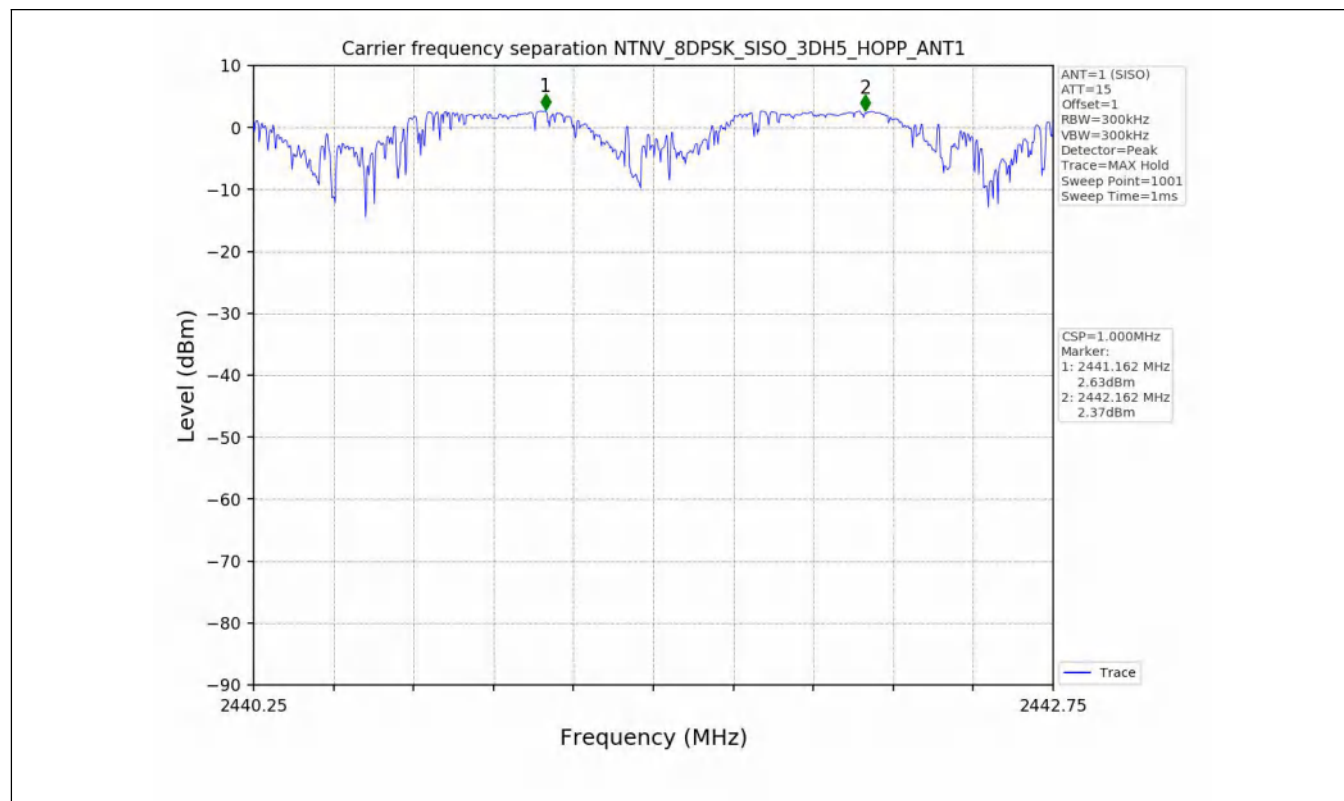
3. Carrier frequency separation

3.1 Test Result

Test Mode	TX Type	ANT No.	Channel Separation (MHz)	20dB Bandwidth (MHz)	Limits (MHz)	Verdict
GFSK	SISO	1	1.000	0.827	≥ 0.827	PASS
Pi/4DQPSK	SISO	1	1.000	1.121	≥ 0.747	PASS
8DPSK	SISO	1	1.000	1.116	≥ 0.744	PASS

3.2 Test Graph



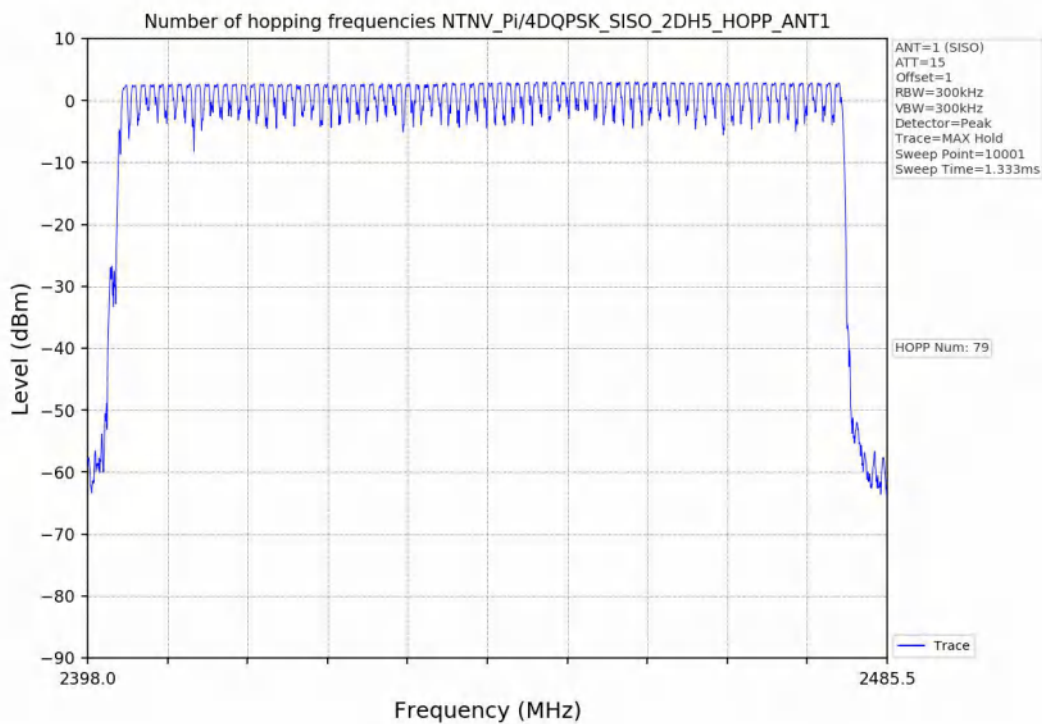
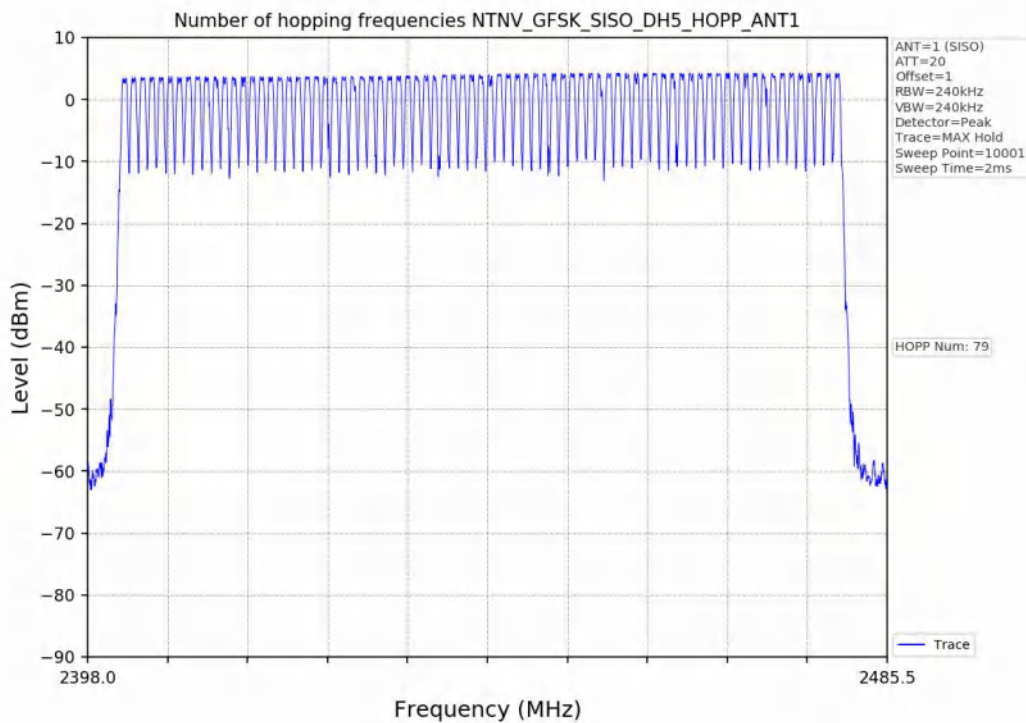


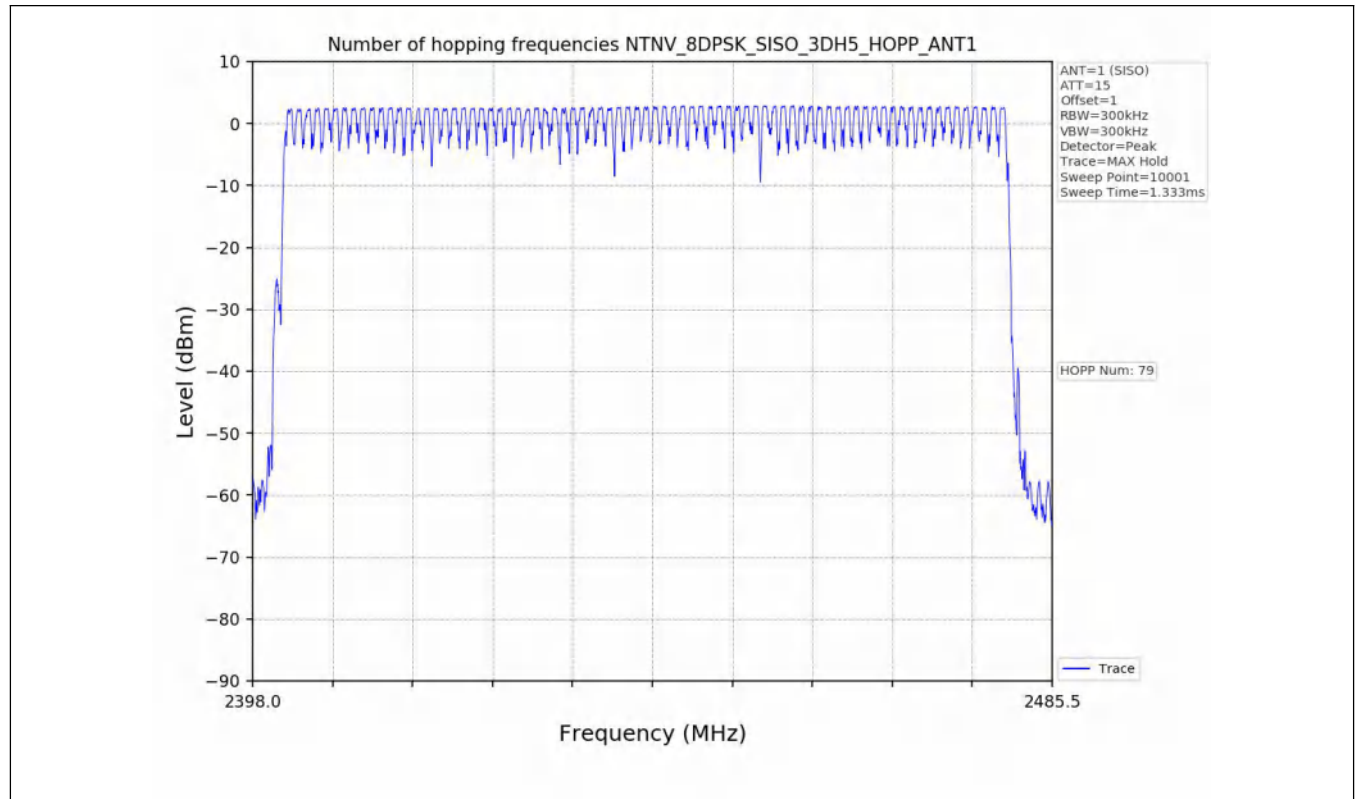
4. Number of hopping frequencies

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



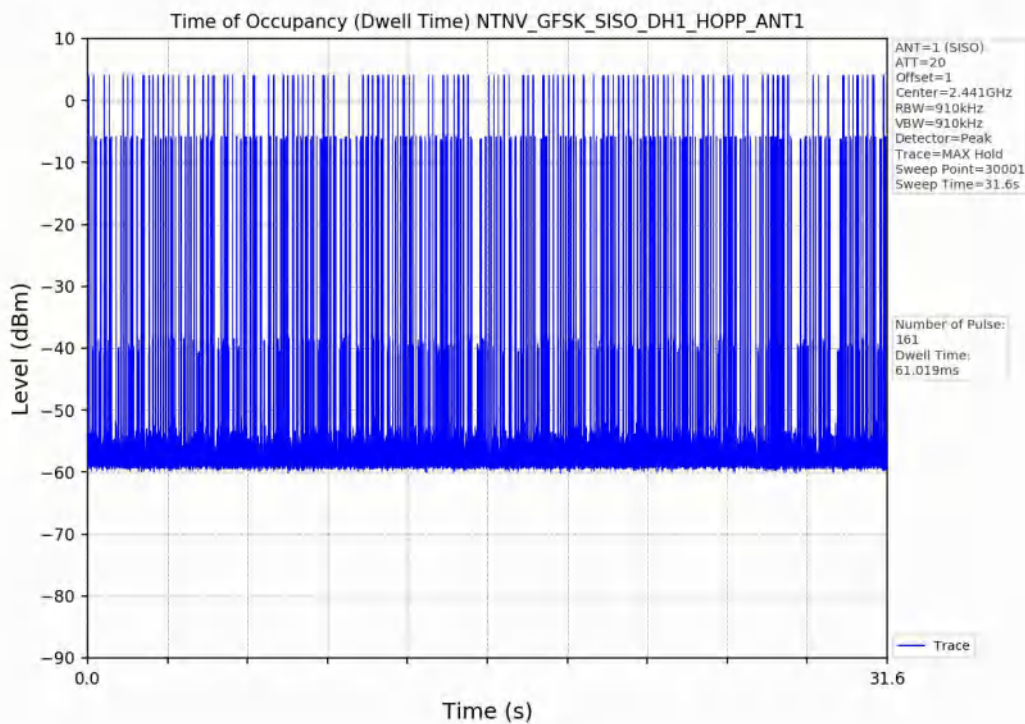
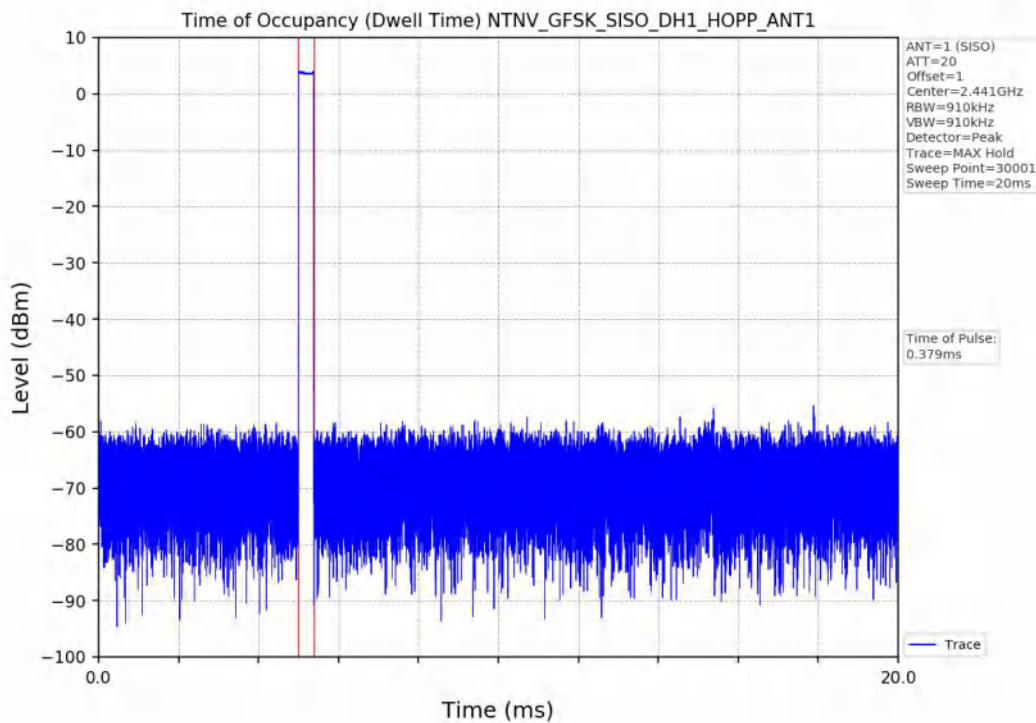


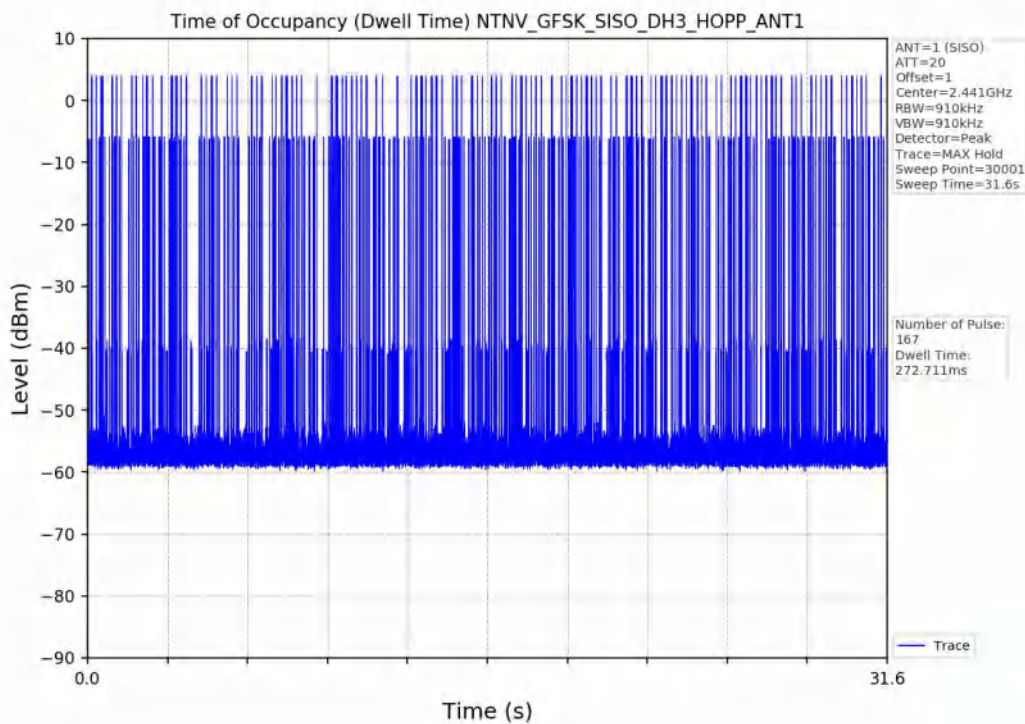
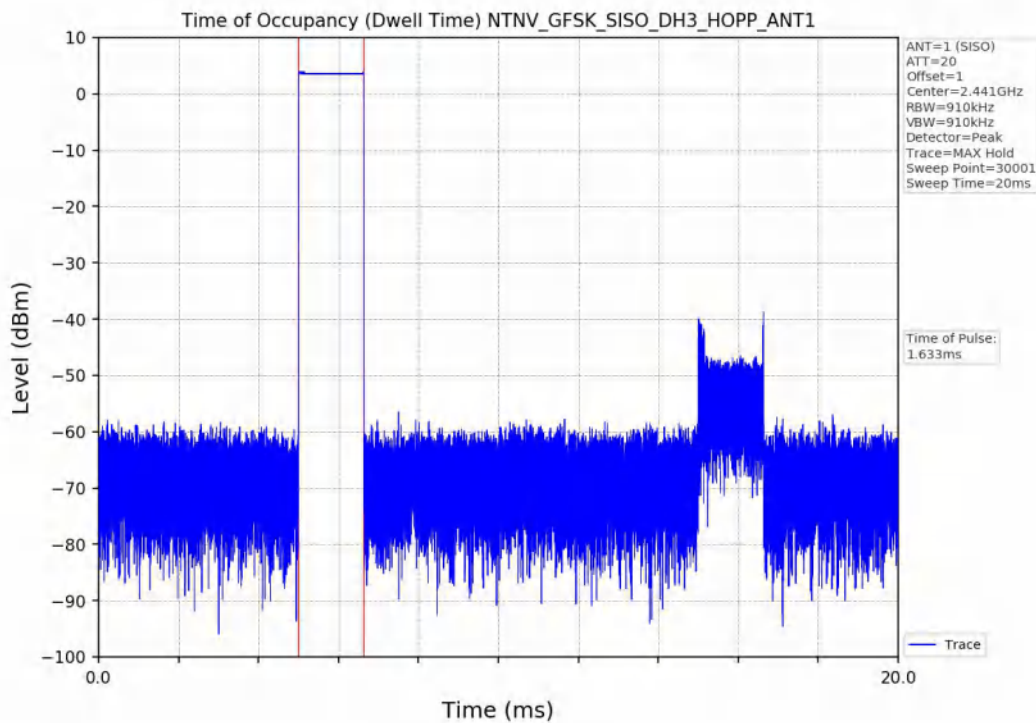
5. Time of Occupancy (Dwell Time)

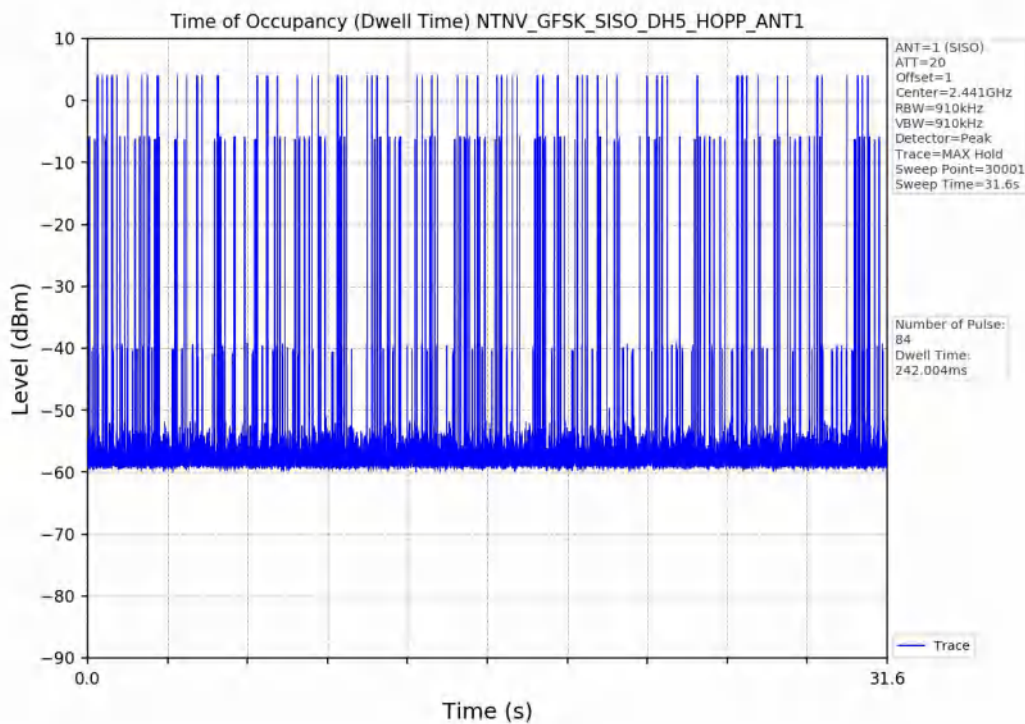
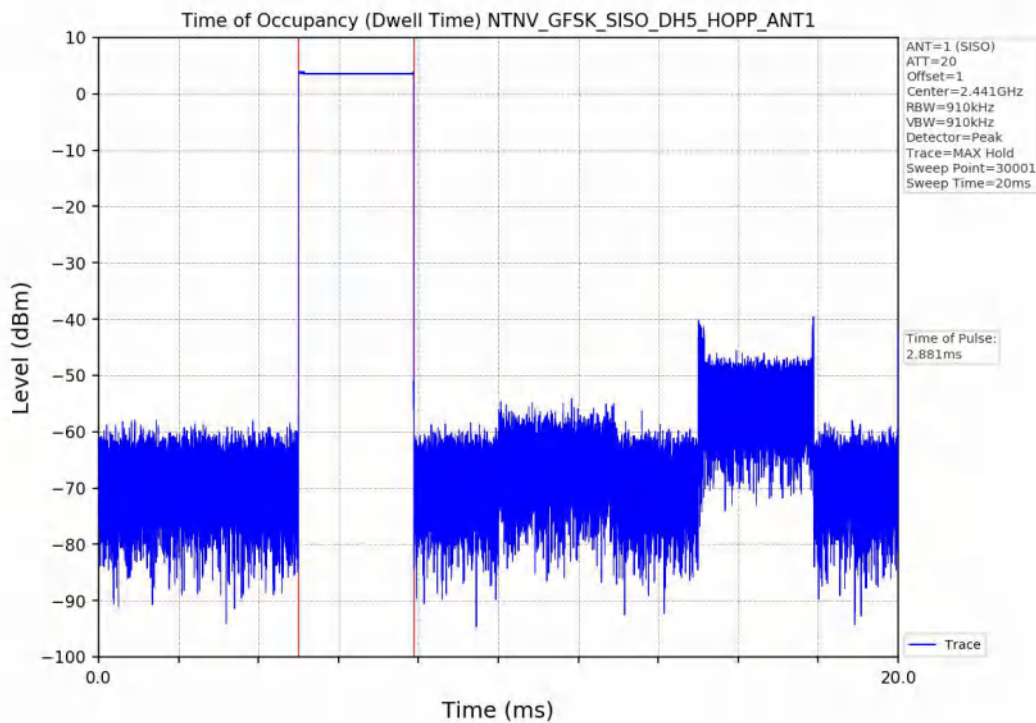
5.1 Test Result

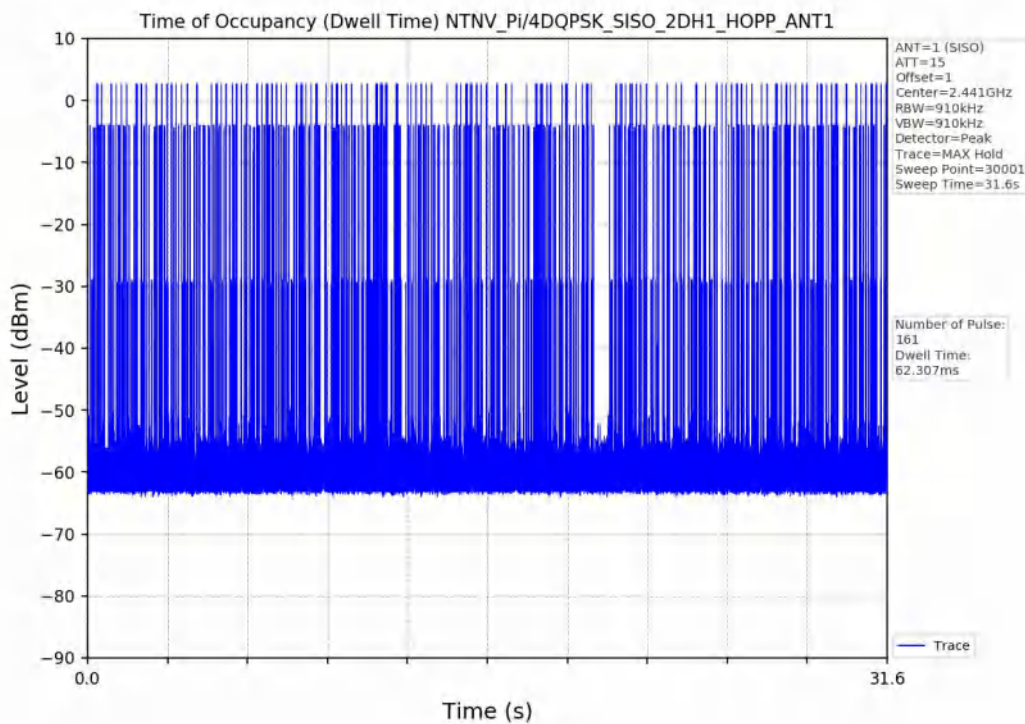
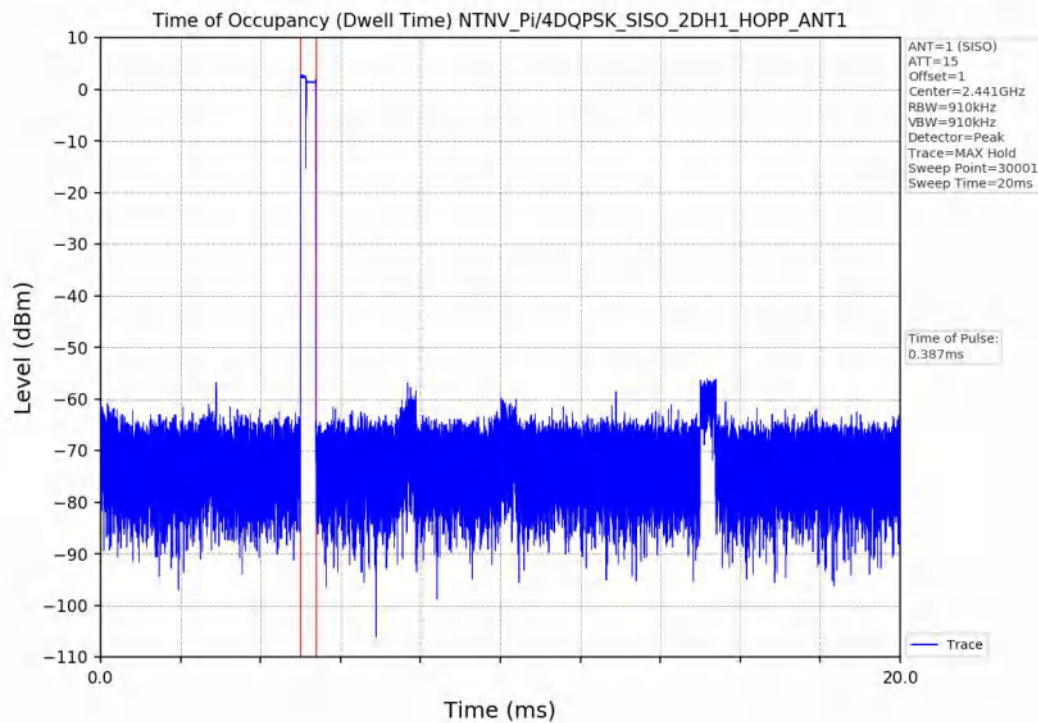
Test Mode	Packet Type	TX Type	ANT No.	Duration of Single Pulse (ms)	Observation Period (s)	Num of Pulse in Observation Period	Dwell Time (ms)	Limits (ms)	Verdict
GFSK	DH1	SISO	1	0.379	31.6	161	61.019	≤400	PASS
	DH3	SISO	1	1.633	31.6	167	272.711	≤400	PASS
	DH5	SISO	1	2.881	31.6	84	242.004	≤400	PASS
Pi/4DQPSK	2DH1	SISO	1	0.387	31.6	161	62.307	≤400	PASS
	2DH3	SISO	1	1.637	31.6	161	263.557	≤400	PASS
	2DH5	SISO	1	2.887	31.6	77	222.299	≤400	PASS
8DPSK	3DH1	SISO	1	0.387	31.6	160	61.920	≤400	PASS
	3DH3	SISO	1	1.637	31.6	155	253.735	≤400	PASS
	3DH5	SISO	1	2.889	31.6	77	222.453	≤400	PASS

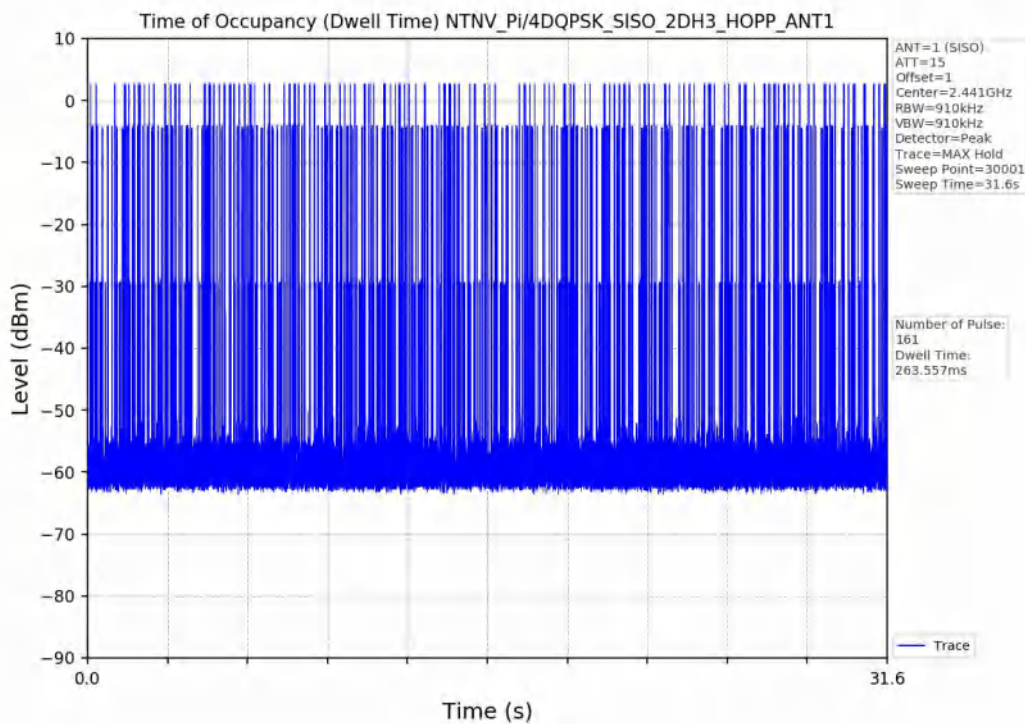
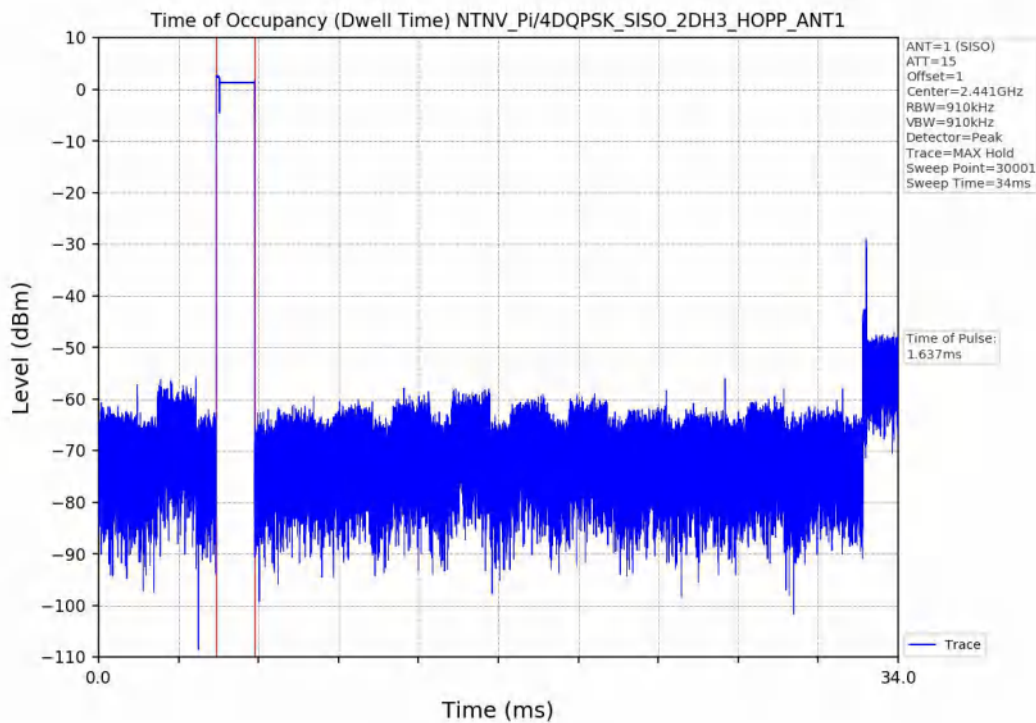
5.2 Test Graph

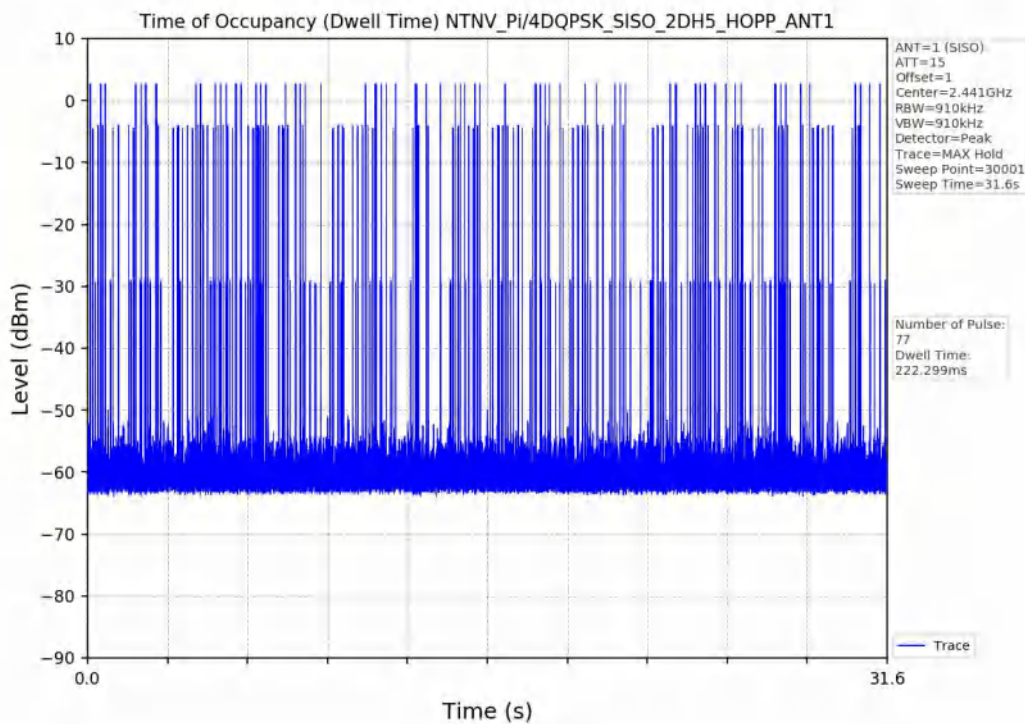
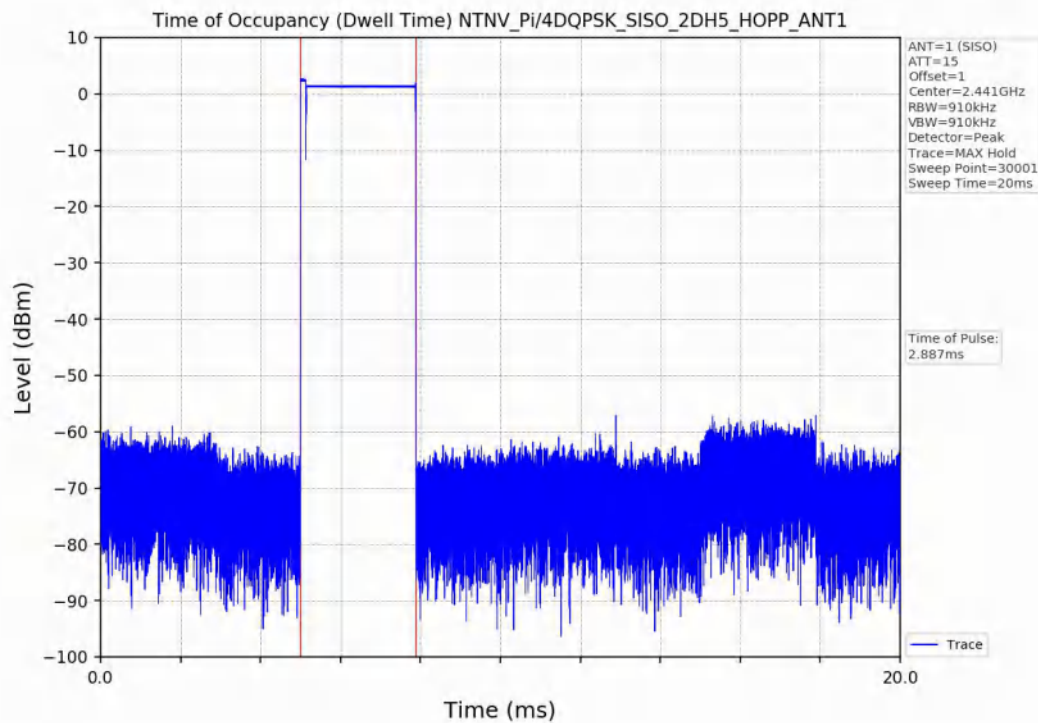


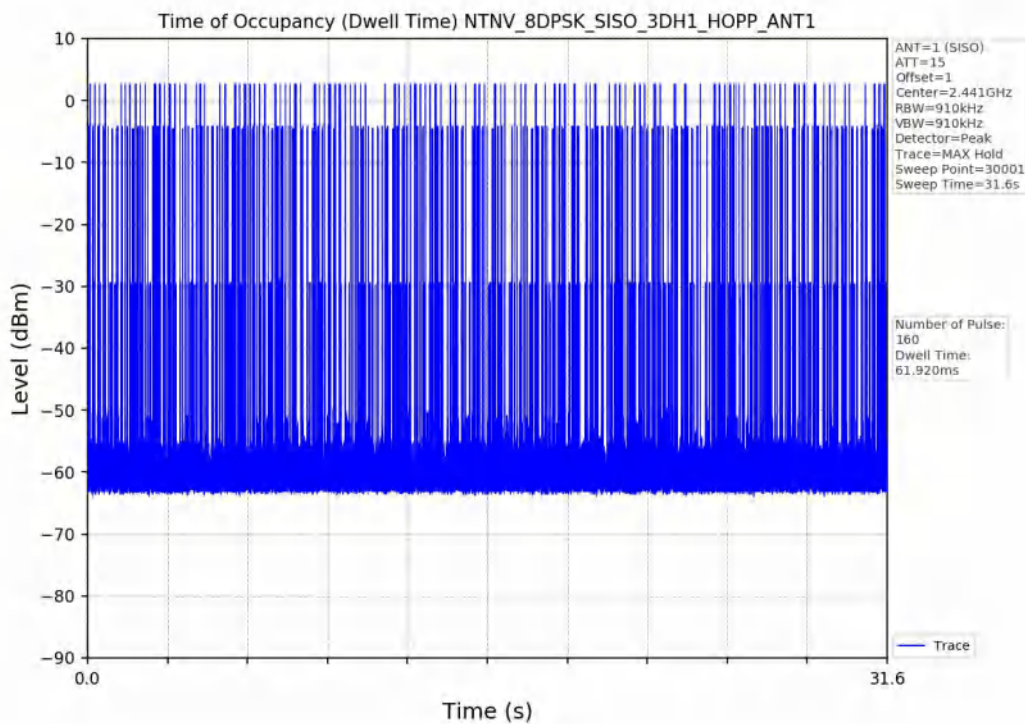
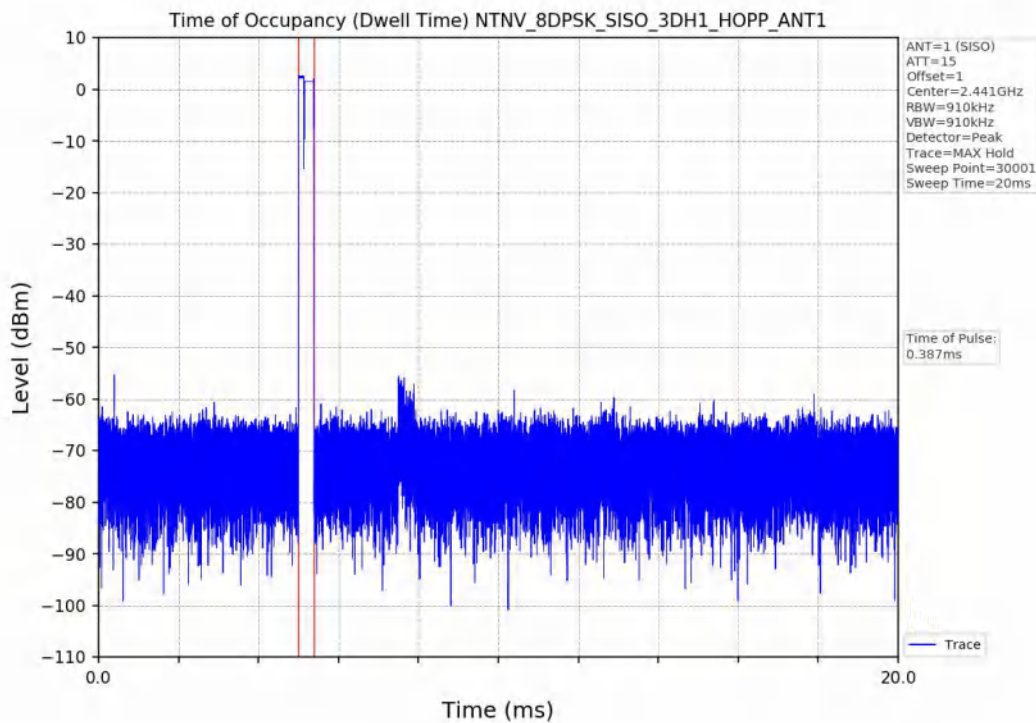


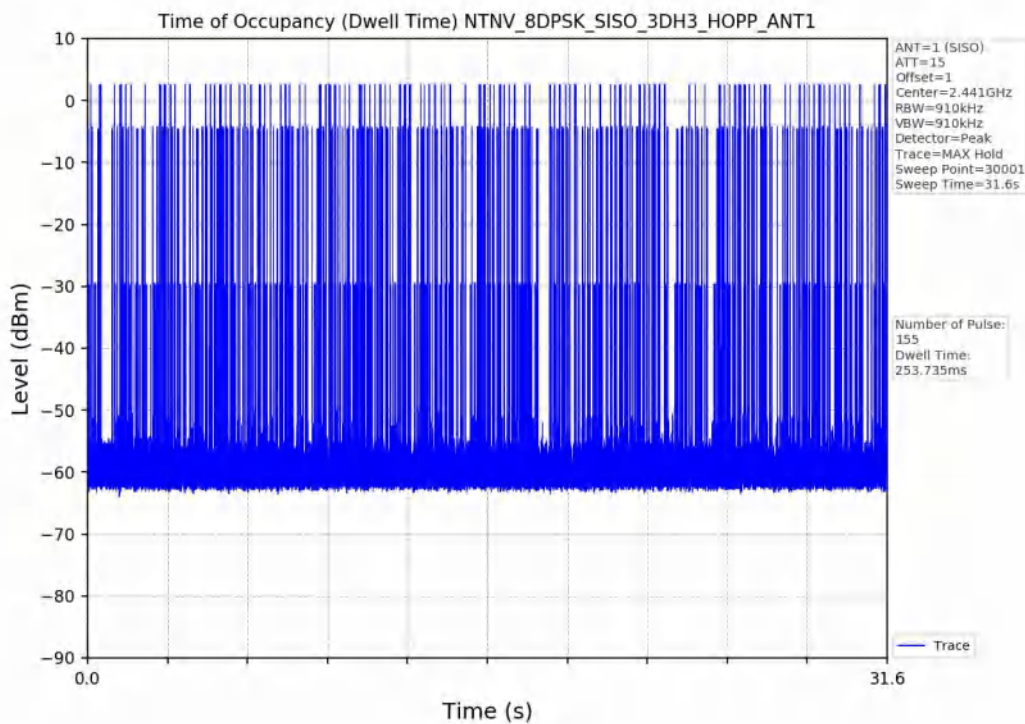
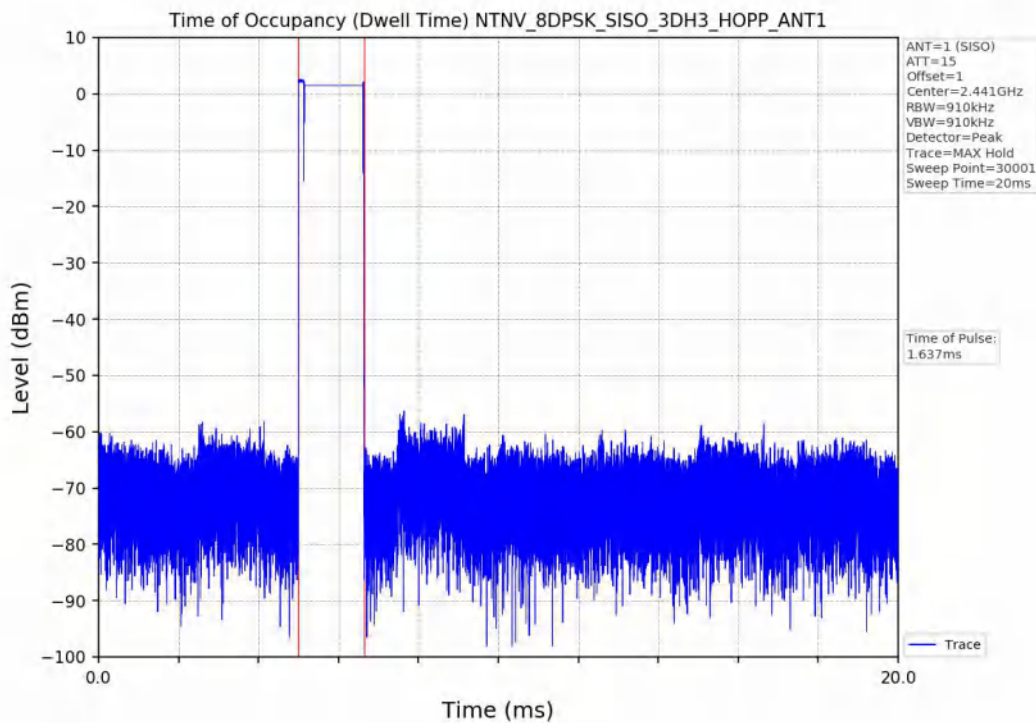


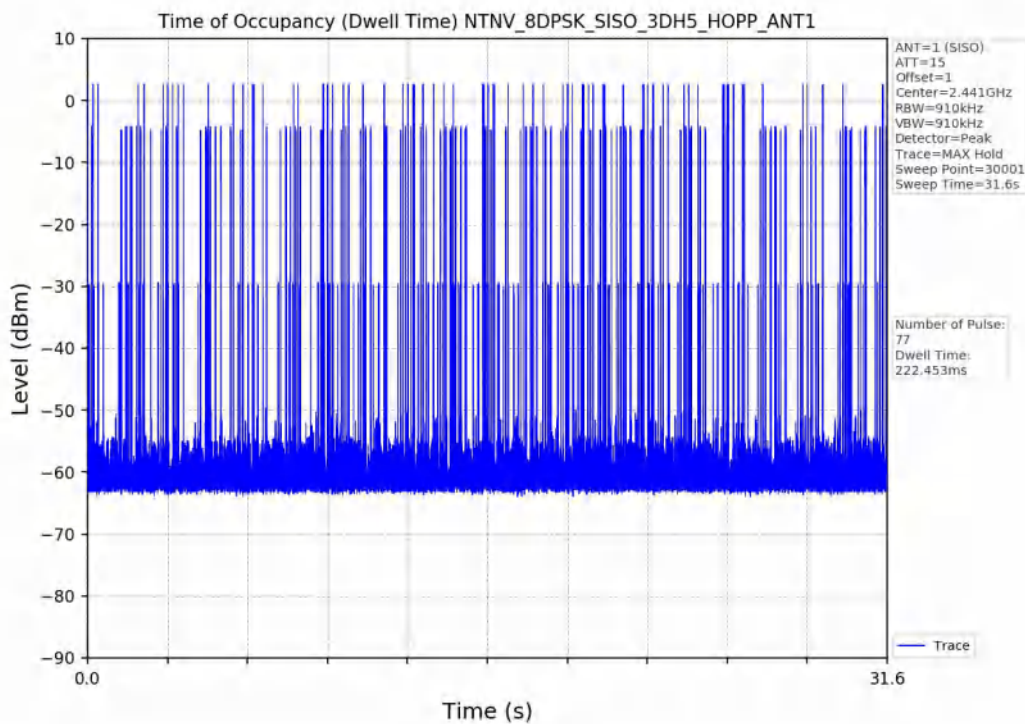
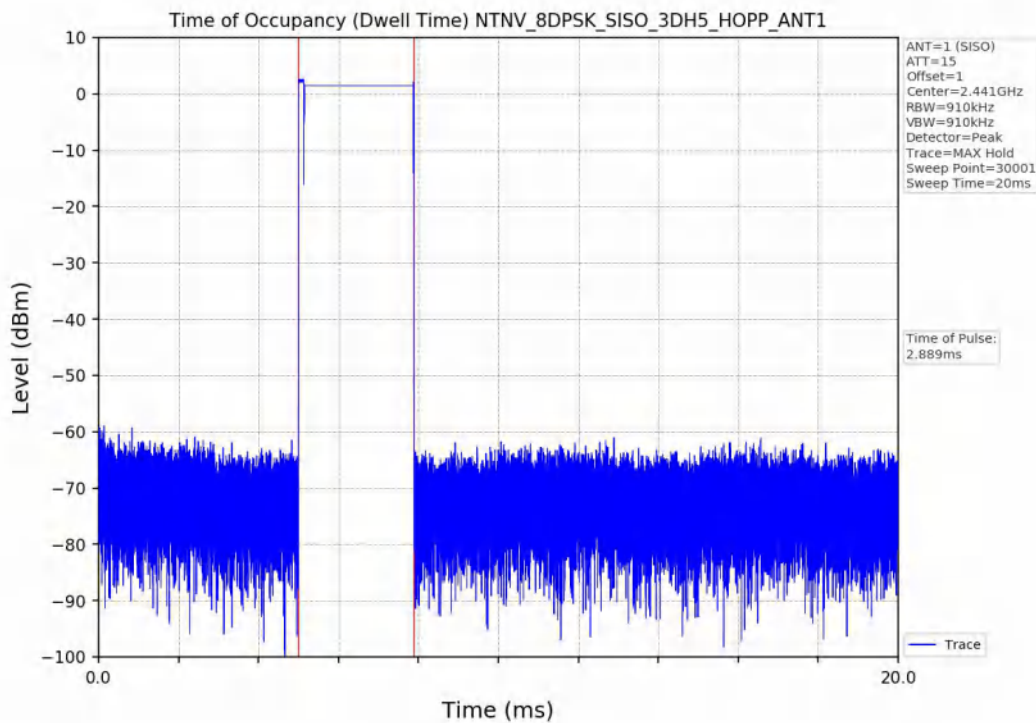










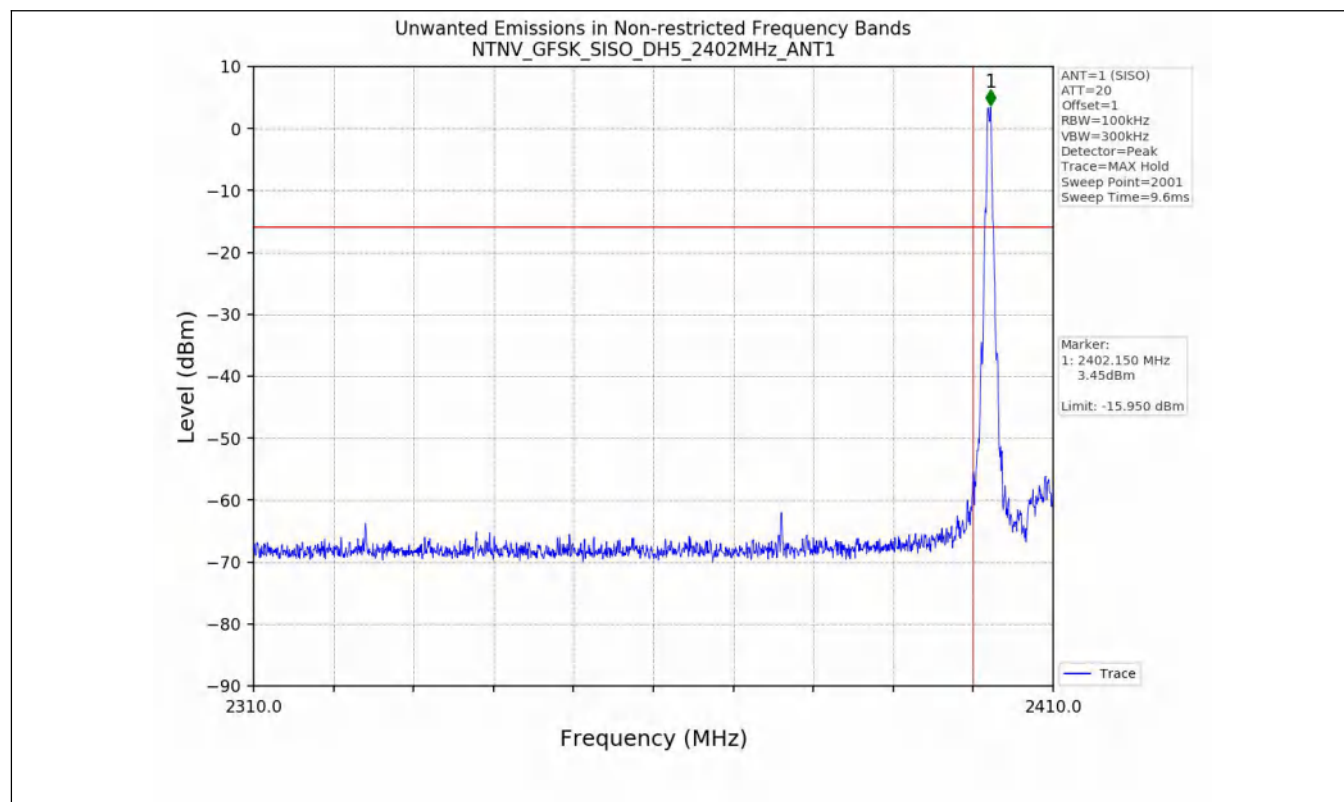
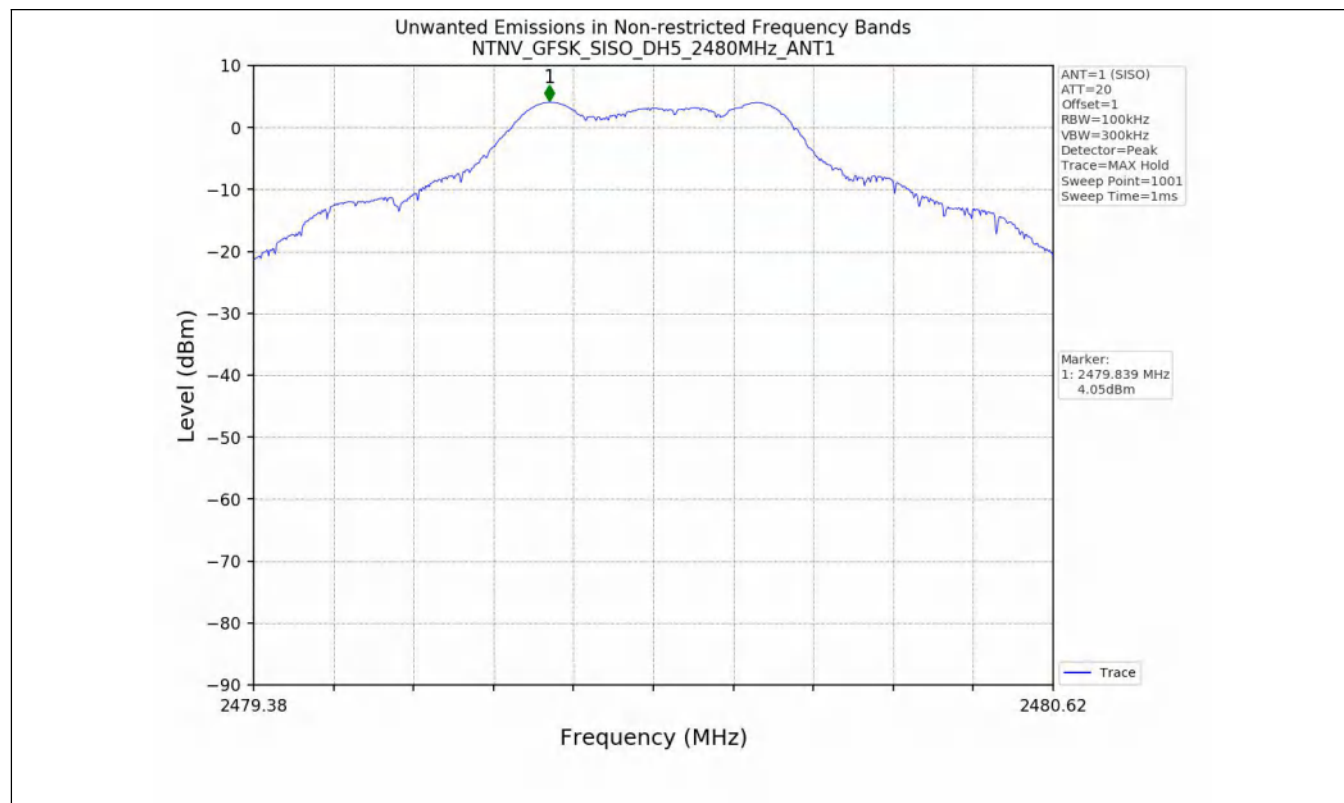


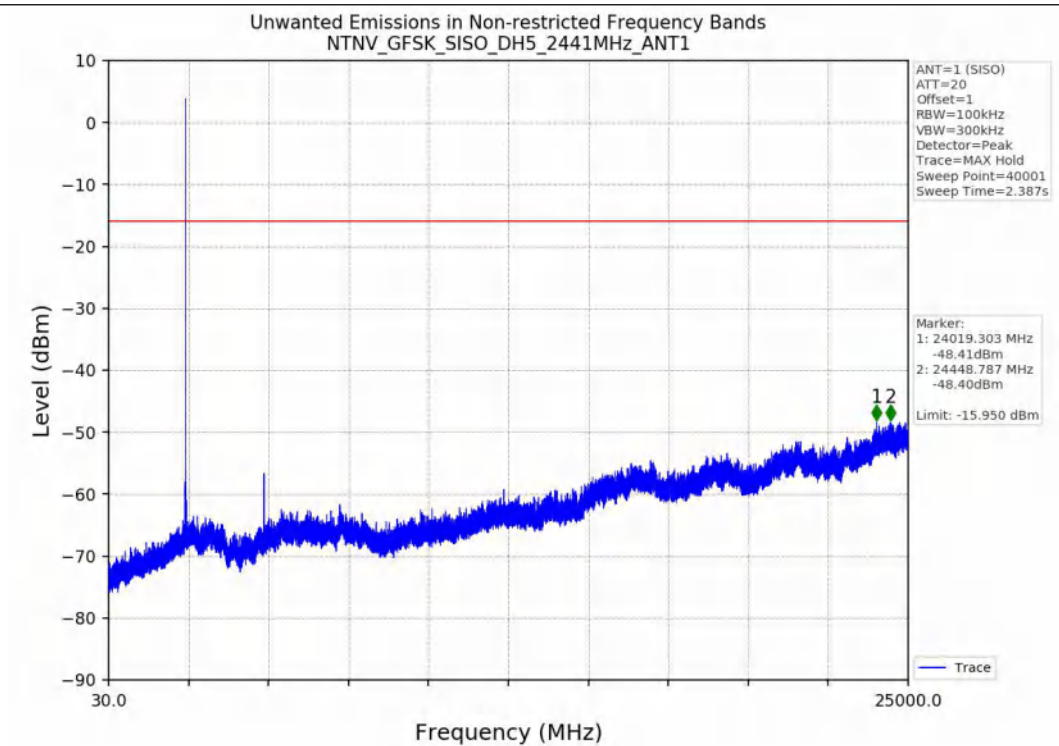
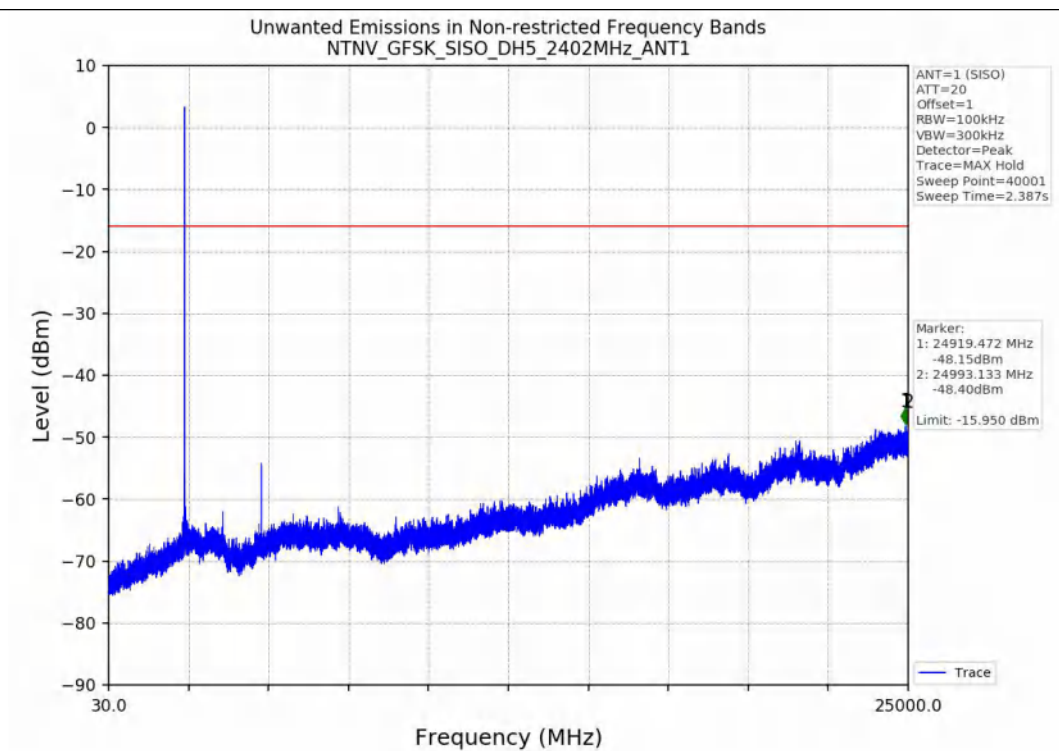
6. Unwanted Emissions in Non-restricted Frequency Bands

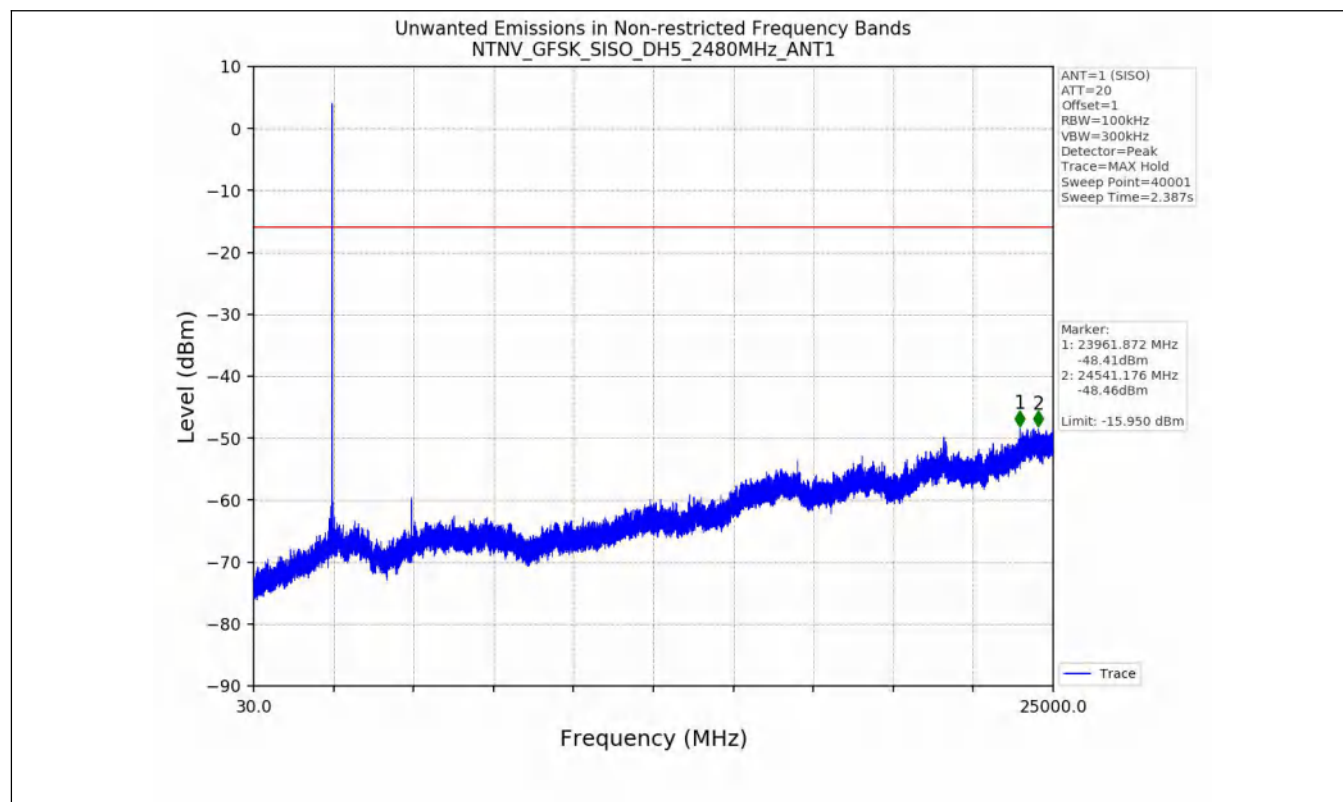
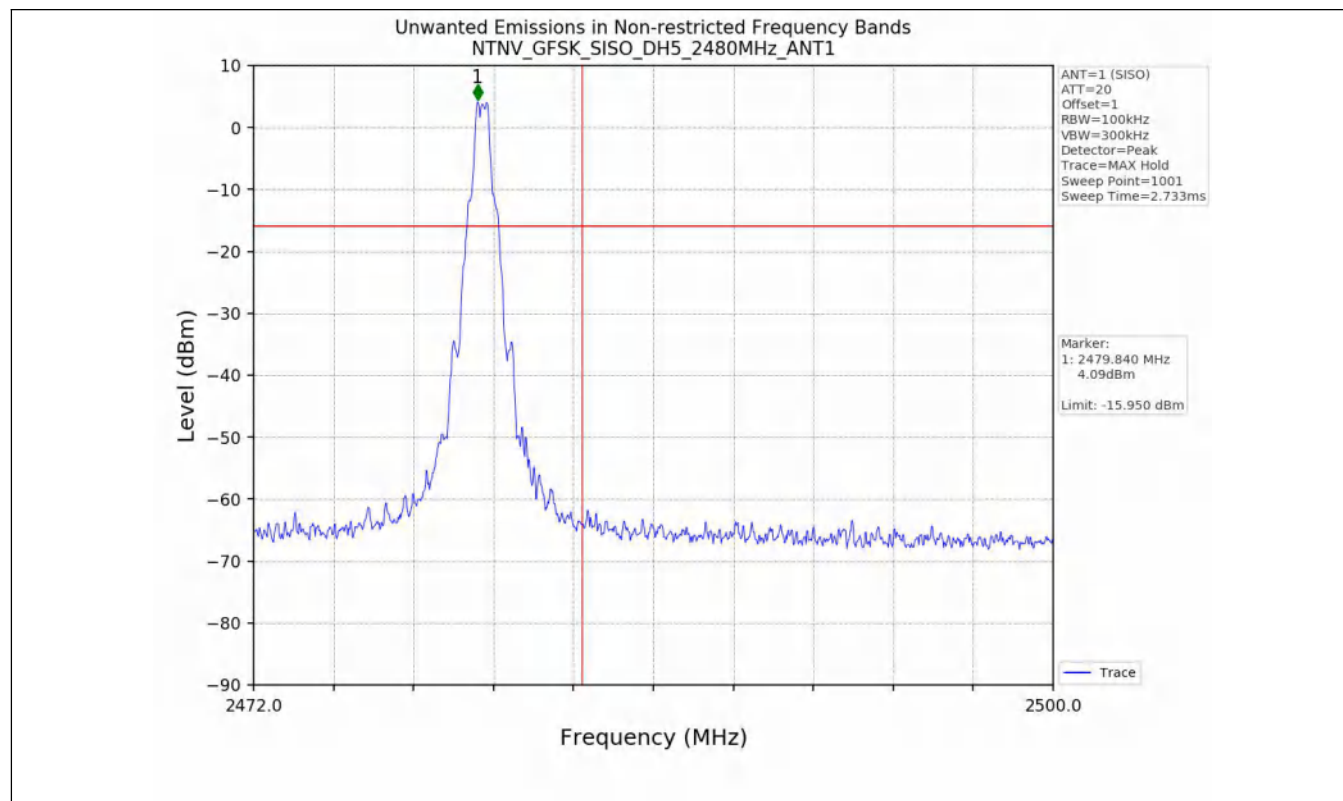
6.1 Test Result

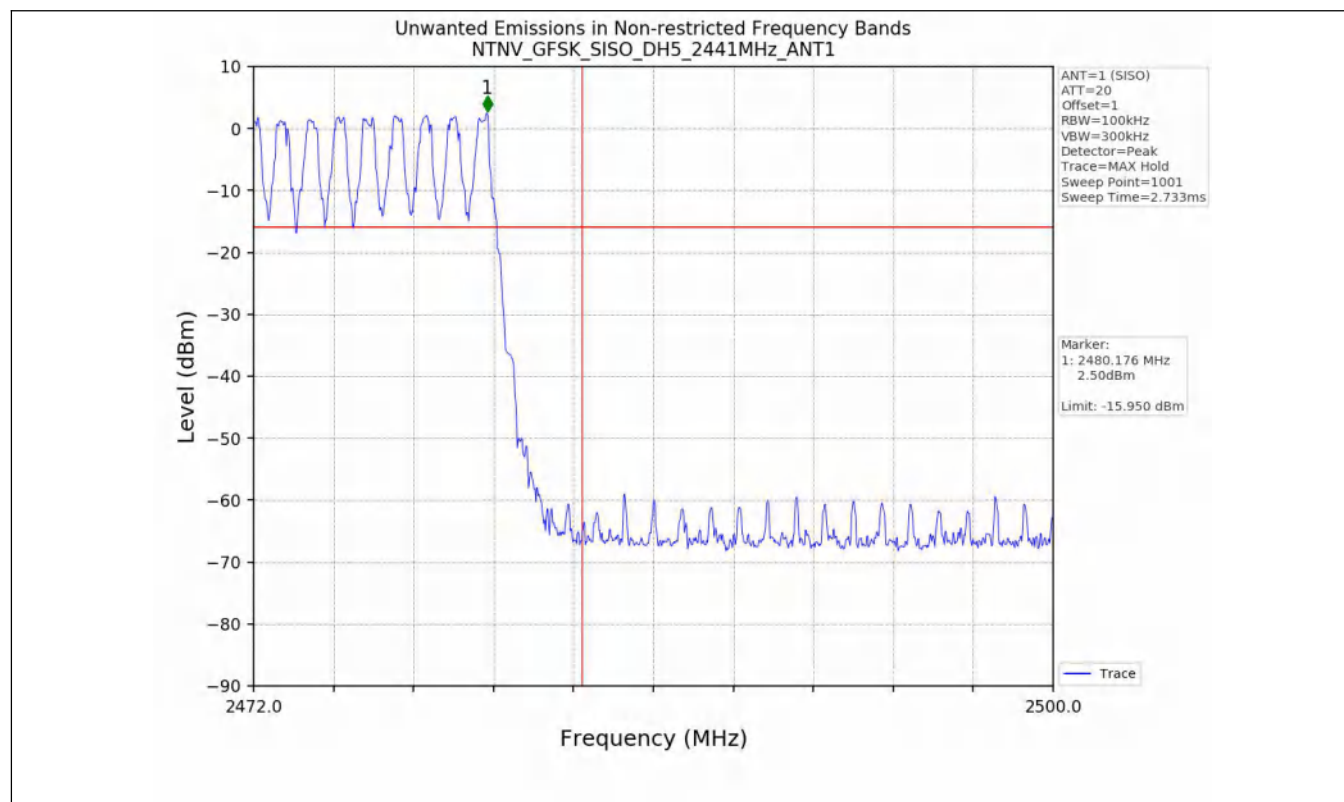
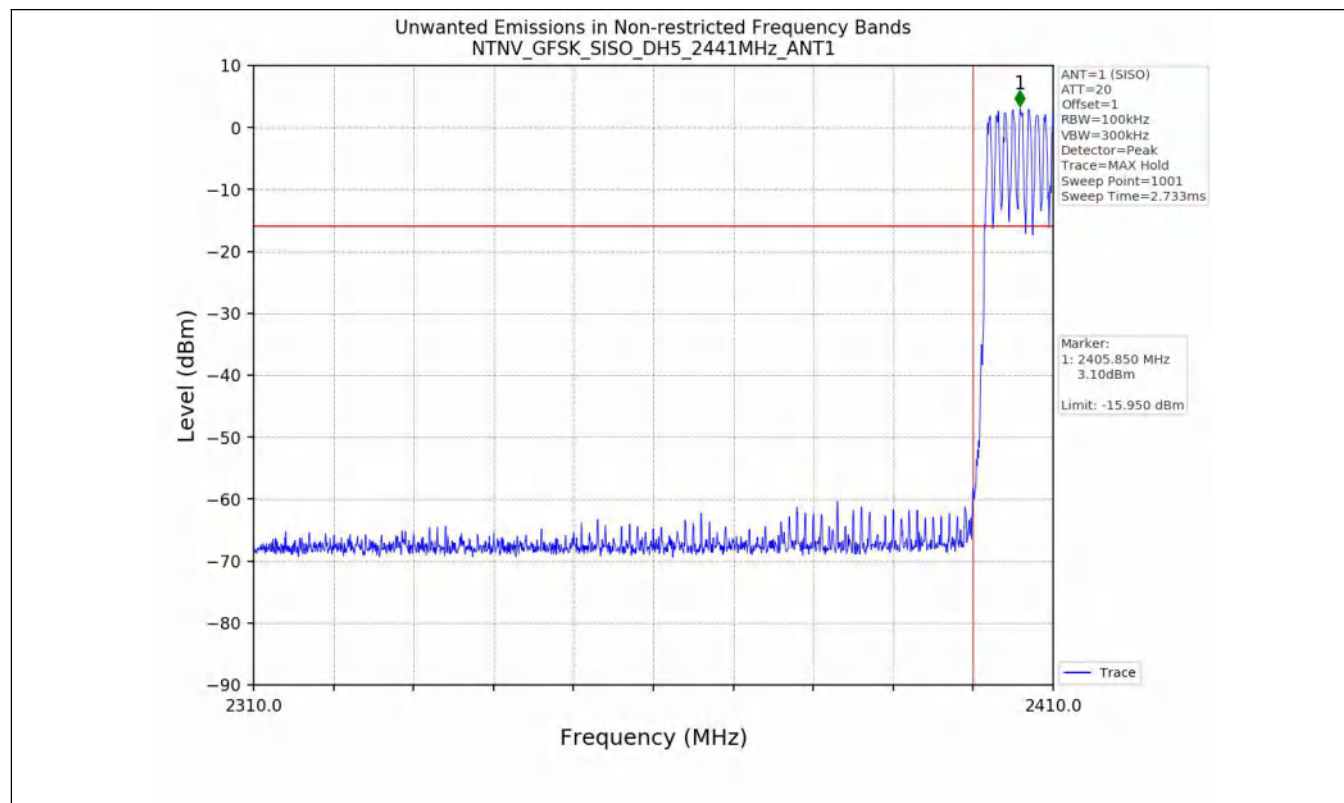
Test Mode	Frequency (MHz)	TX Type	ANT No.	Spurious Conducted Emission (dBm)	Limits (dBm)	Verdict
GFSK	2402	SISO	1	Refer to test graph	-15.95	PASS
	2441	SISO	1	Refer to test graph	-15.95	PASS
	2480	SISO	1	Refer to test graph	-15.95	PASS
	Hopping	SISO	1	Refer to test graph	-15.95	PASS
Pi/4DQPSK	2402	SISO	1	Refer to test graph	-17.38	PASS
	2441	SISO	1	Refer to test graph	-17.38	PASS
	2480	SISO	1	Refer to test graph	-17.38	PASS
	Hopping	SISO	1	Refer to test graph	-17.38	PASS
8DPSK	2402	SISO	1	Refer to test graph	-17.55	PASS
	2441	SISO	1	Refer to test graph	-17.55	PASS
	2480	SISO	1	Refer to test graph	-17.55	PASS
	Hopping	SISO	1	Refer to test graph	-17.55	PASS

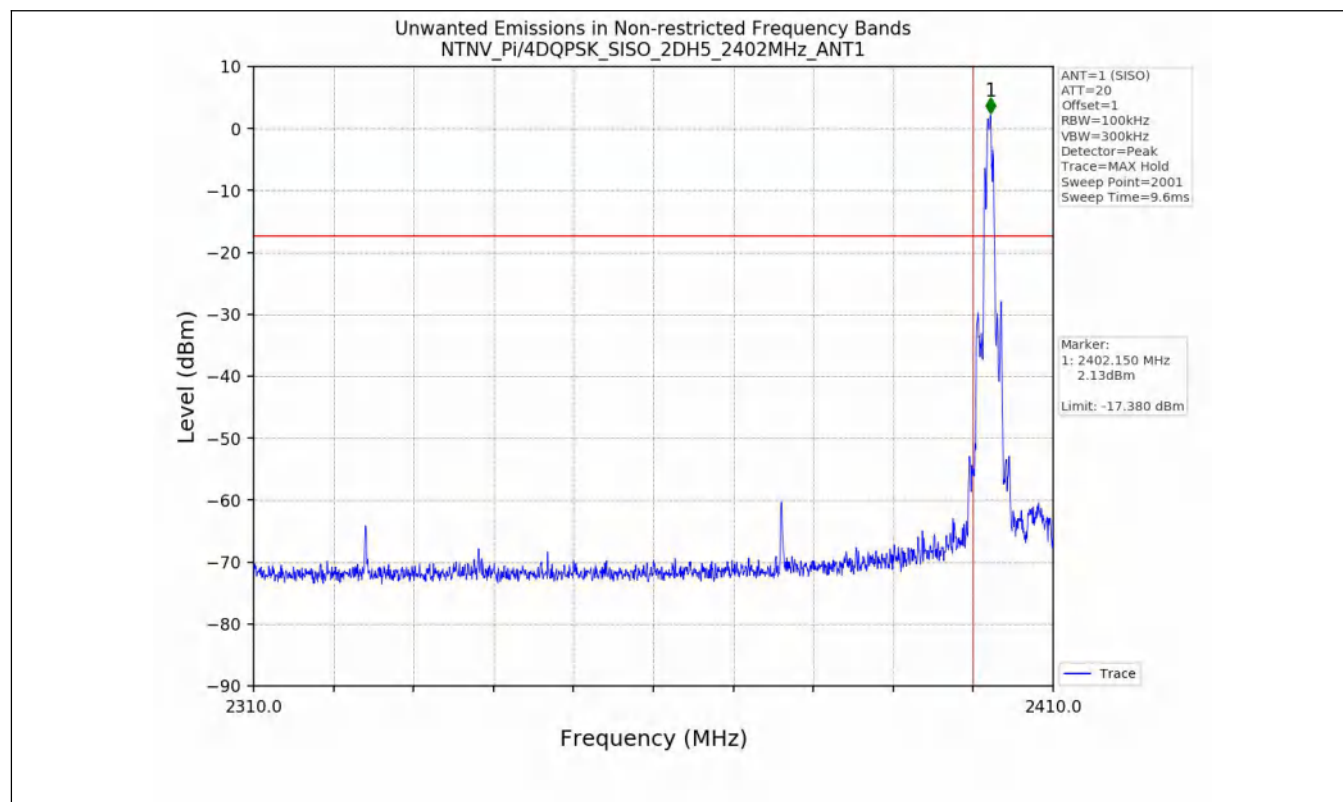
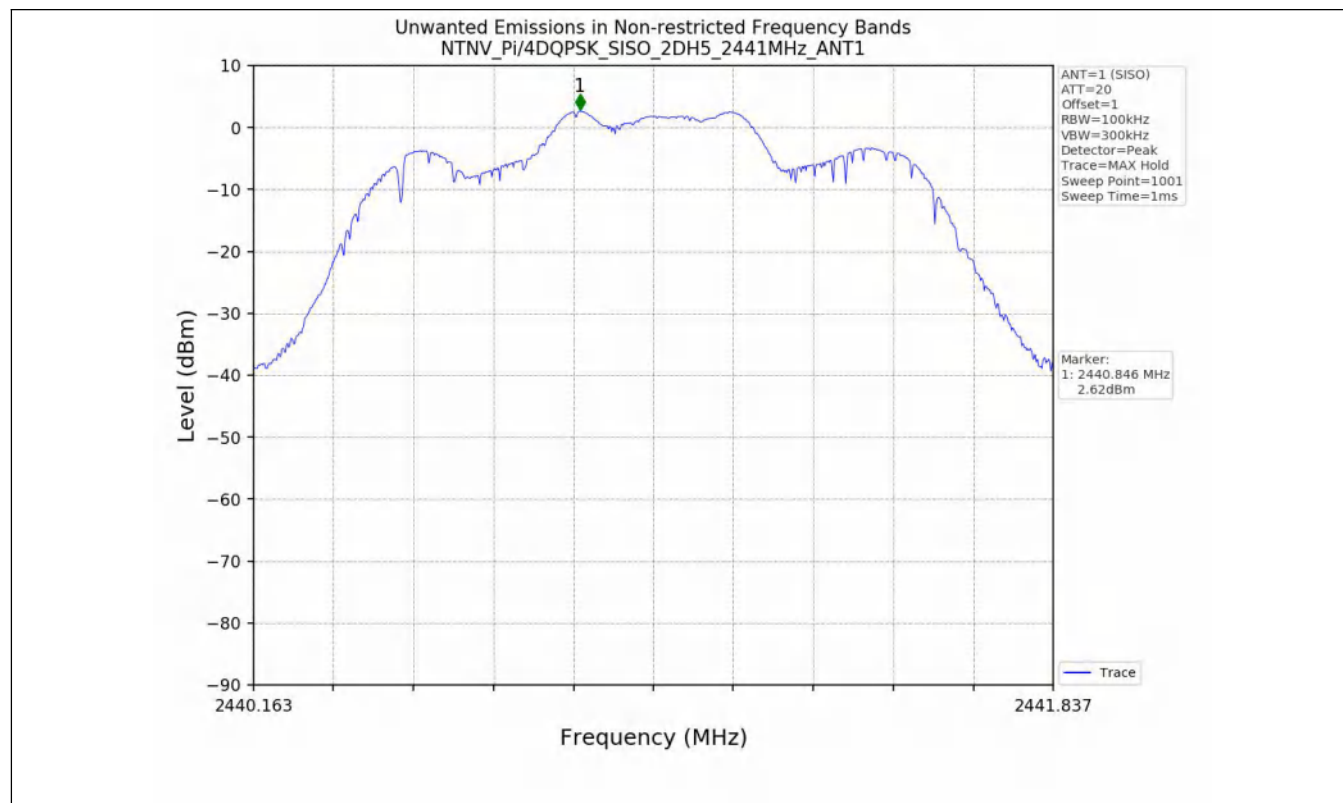
6.2 Test Graph

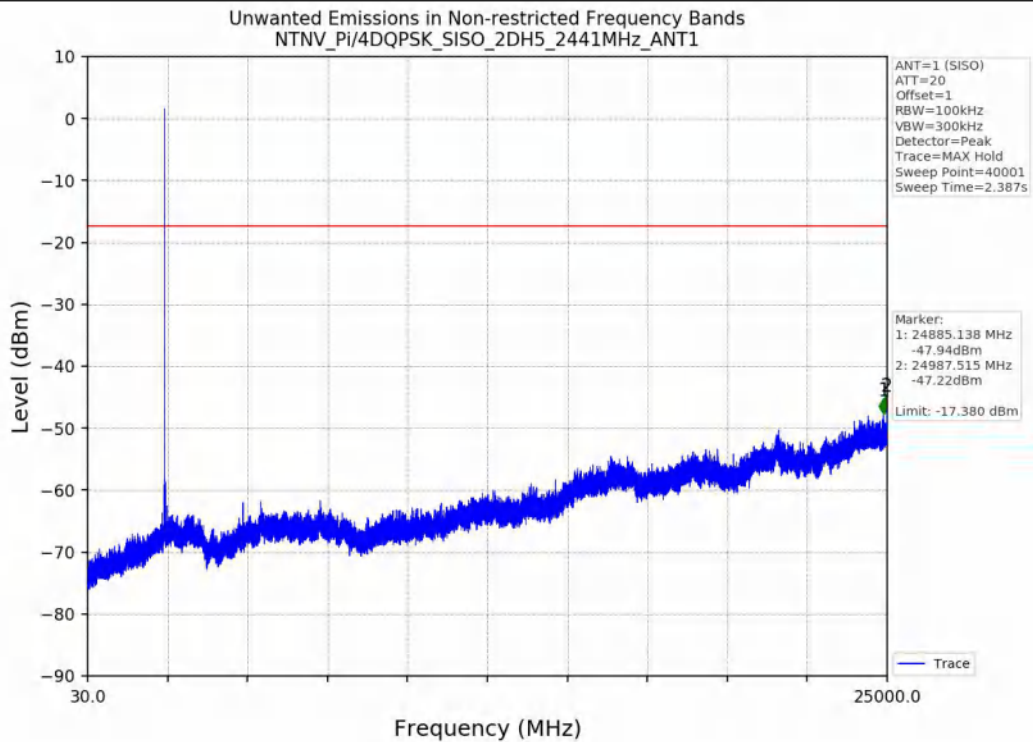
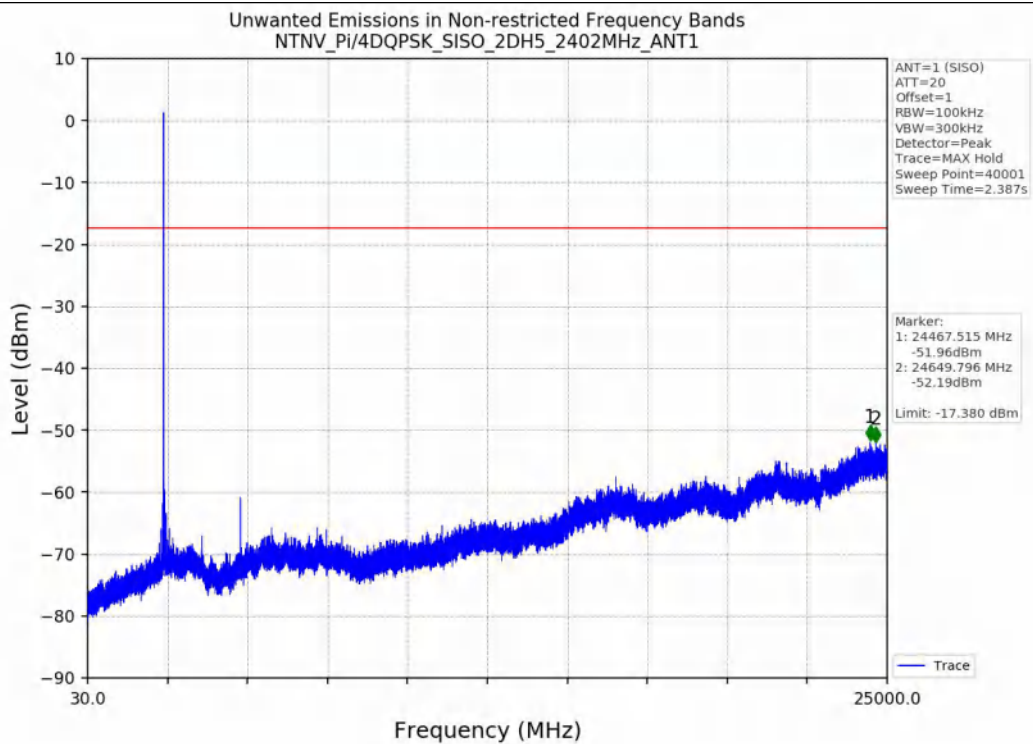


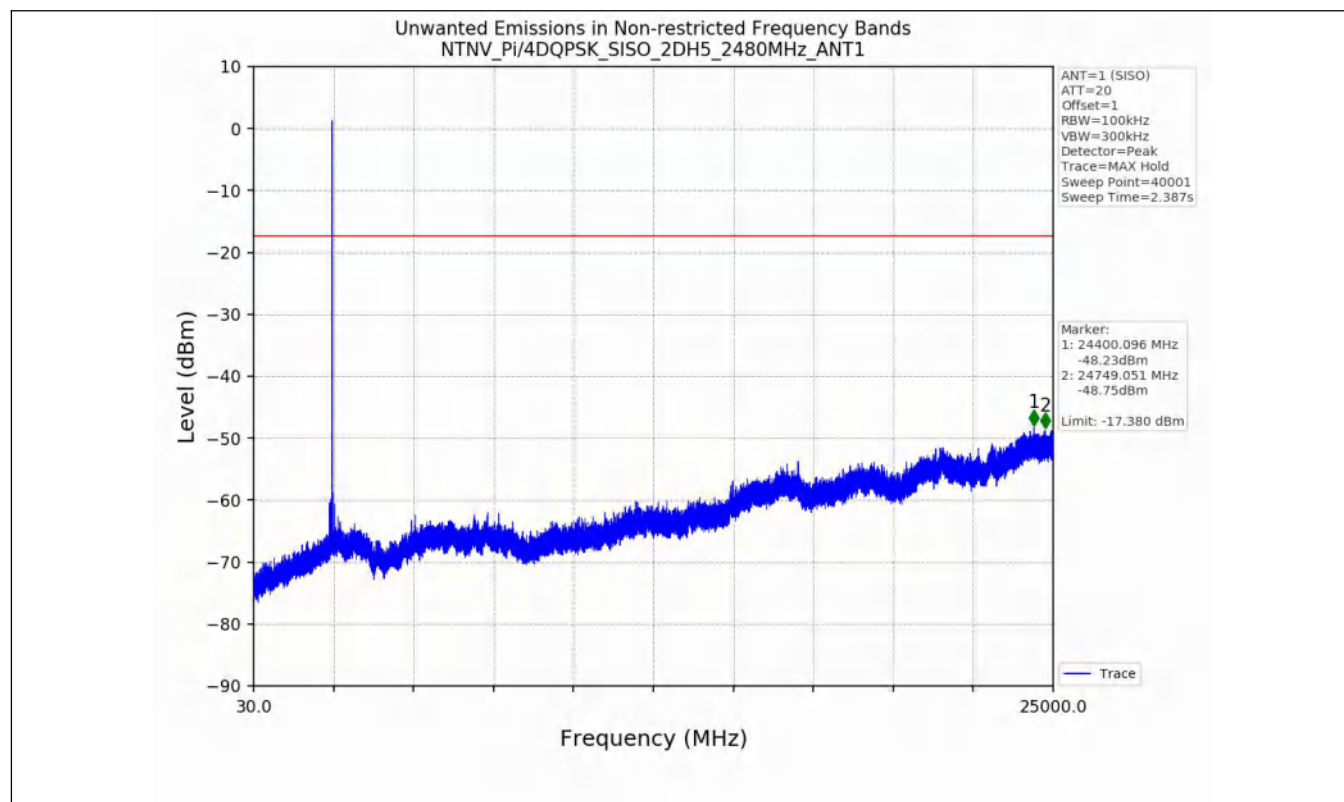
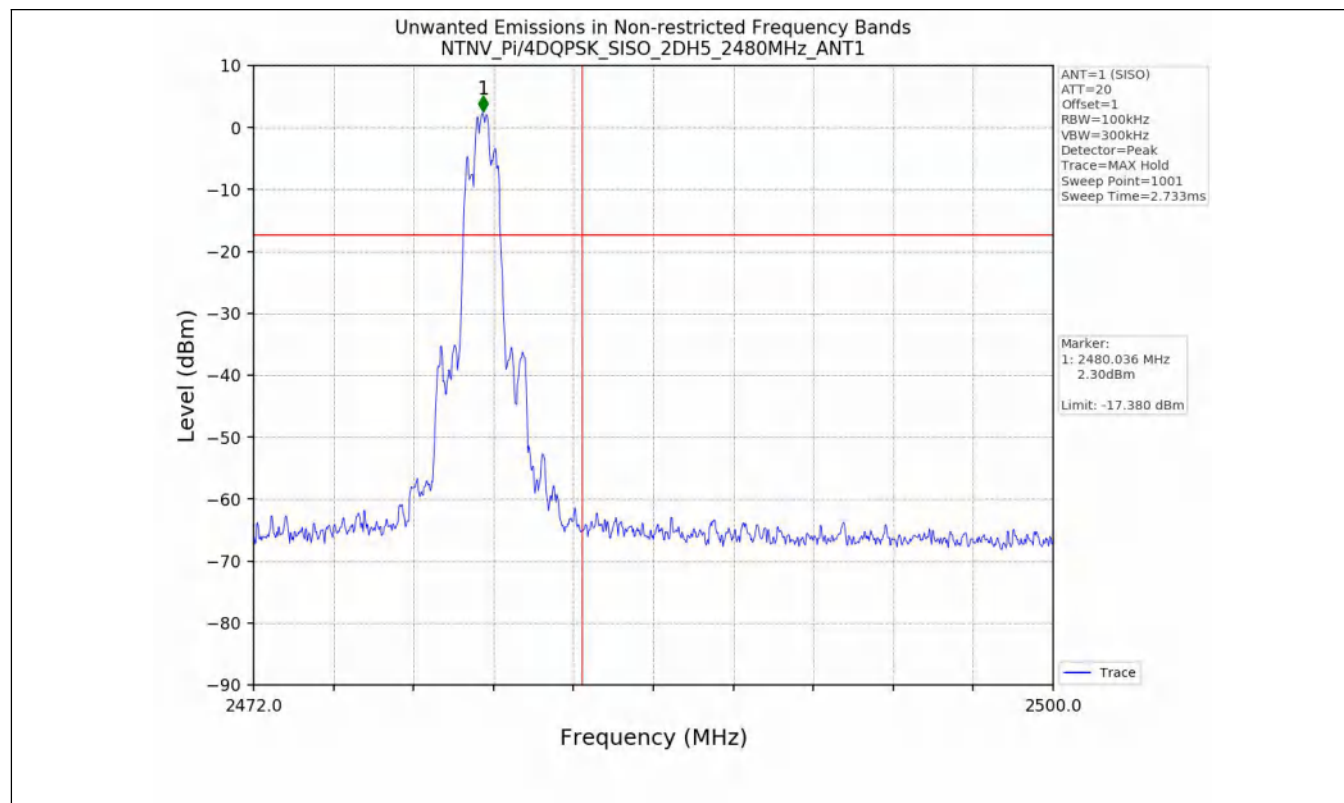


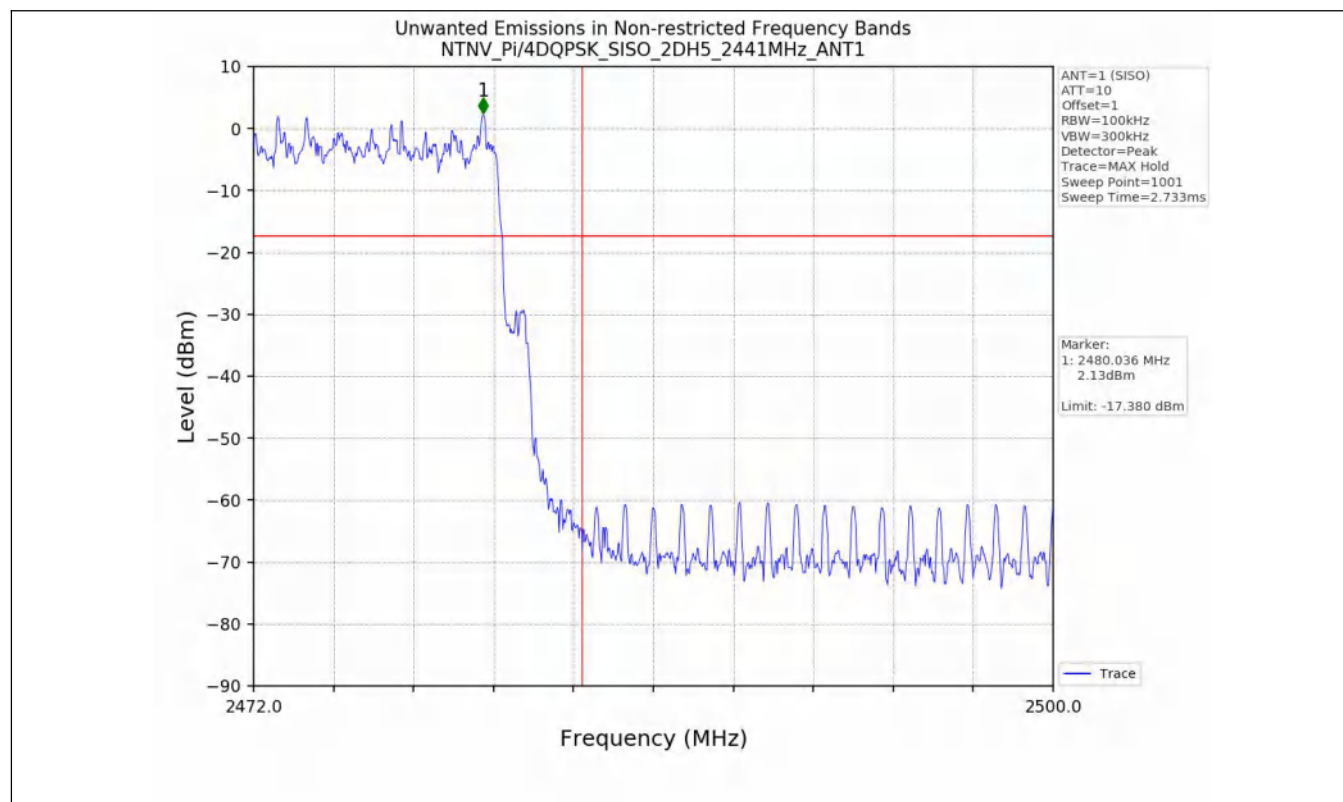
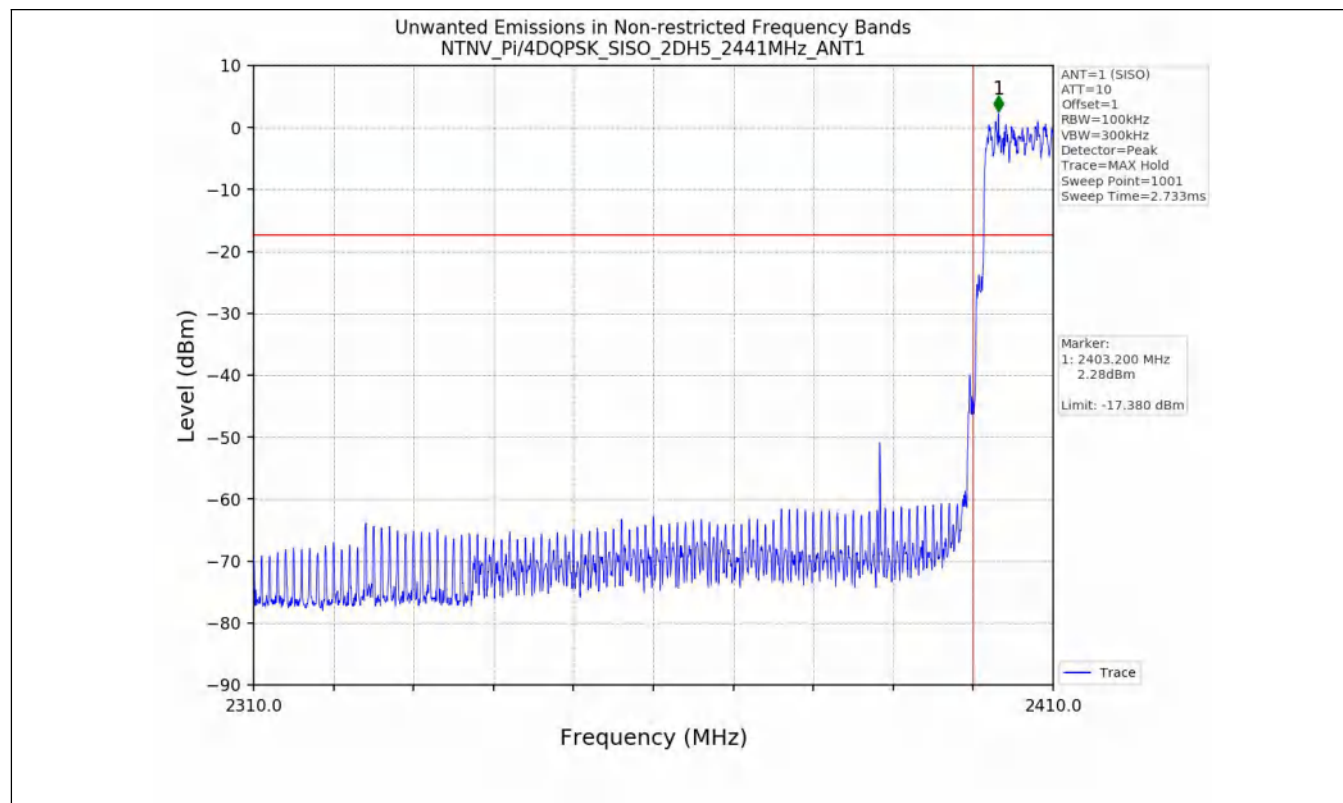


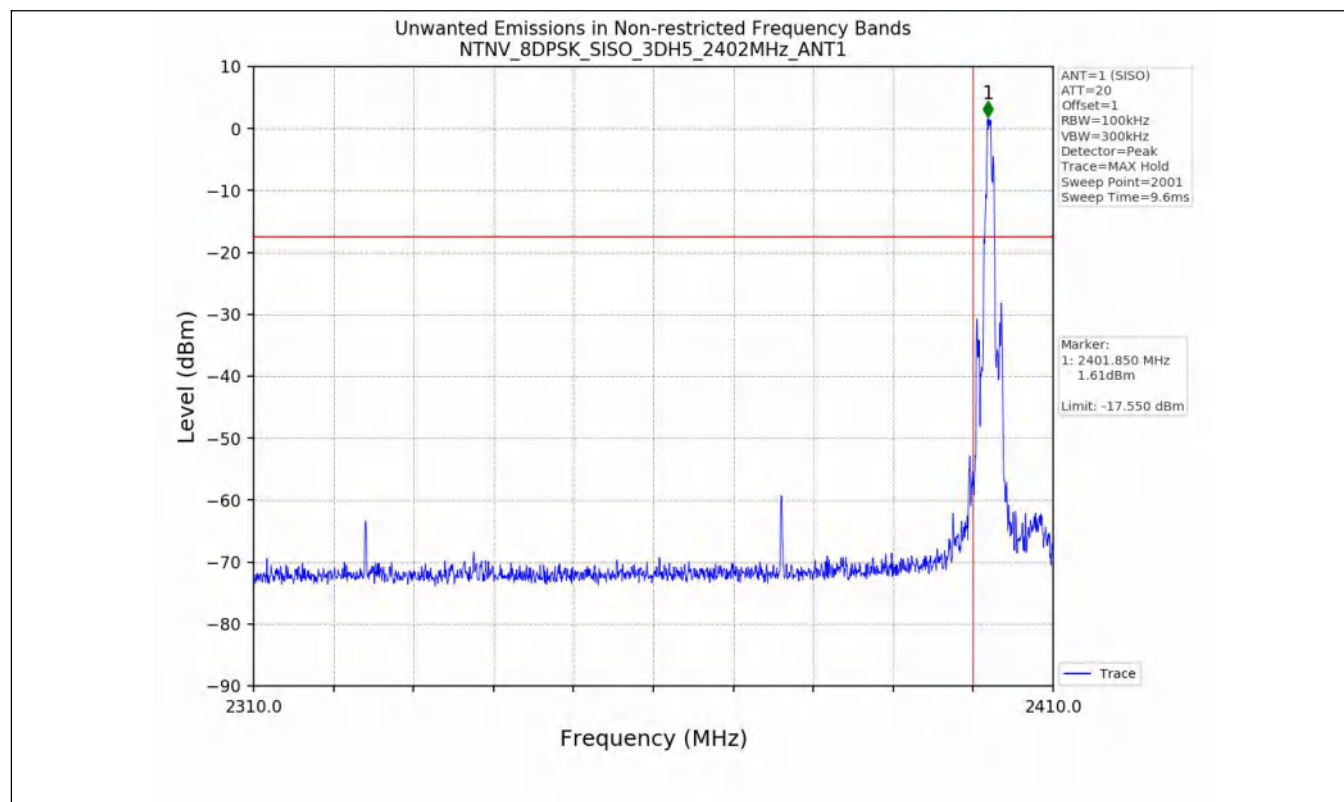
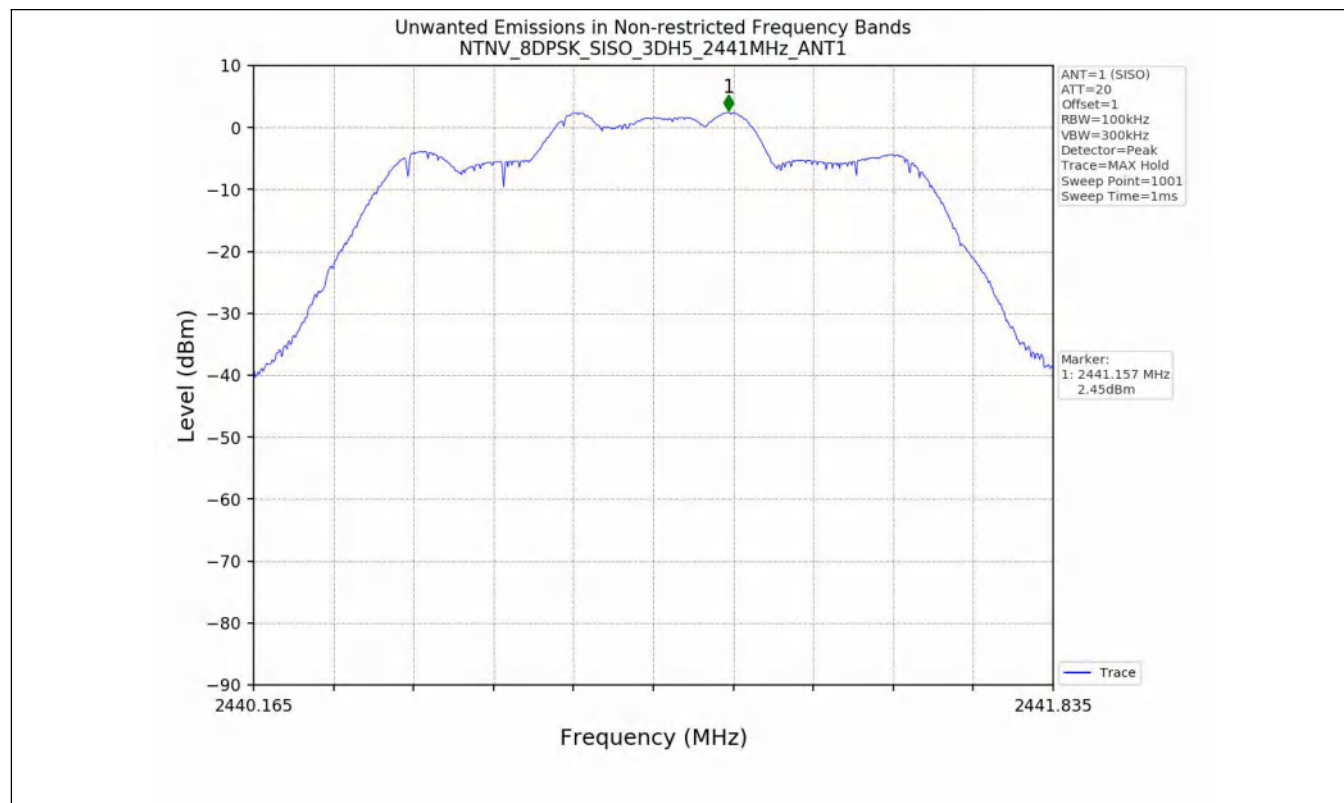


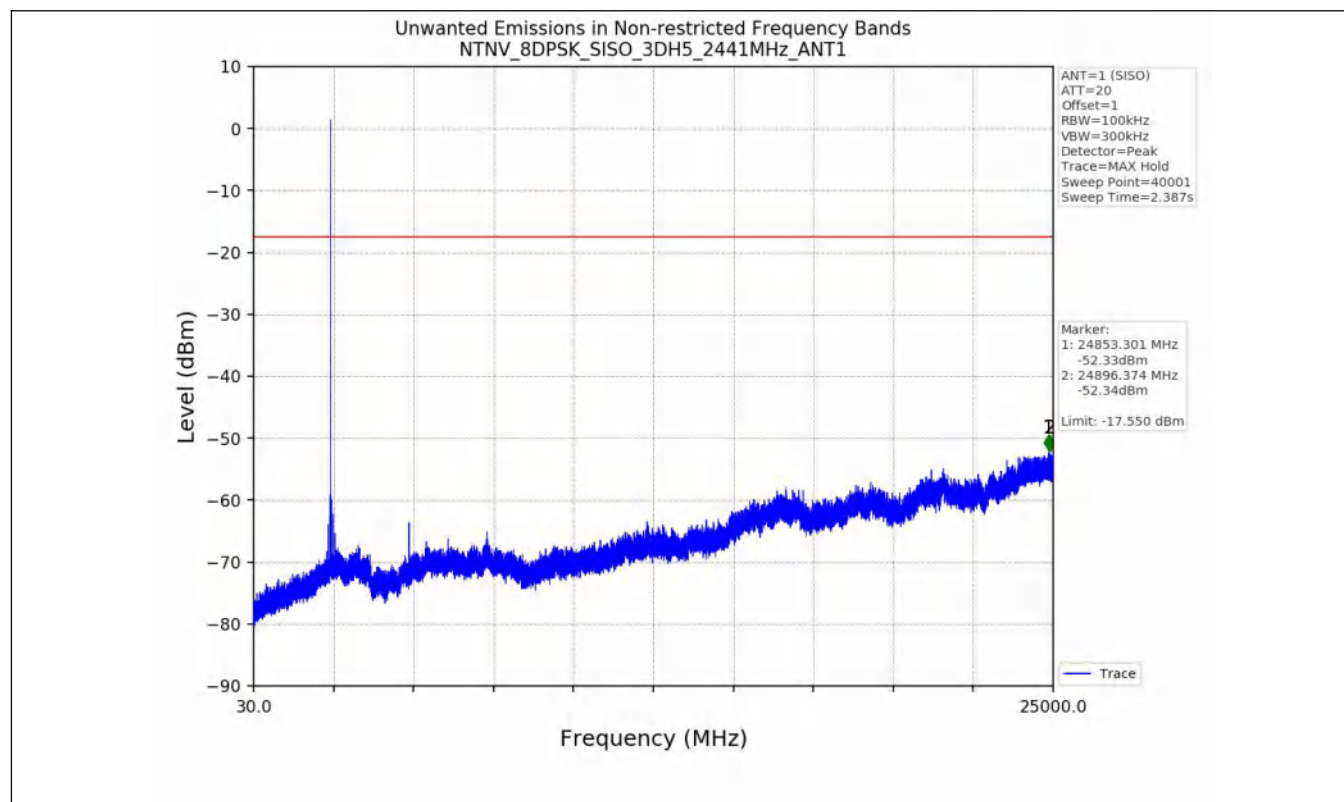
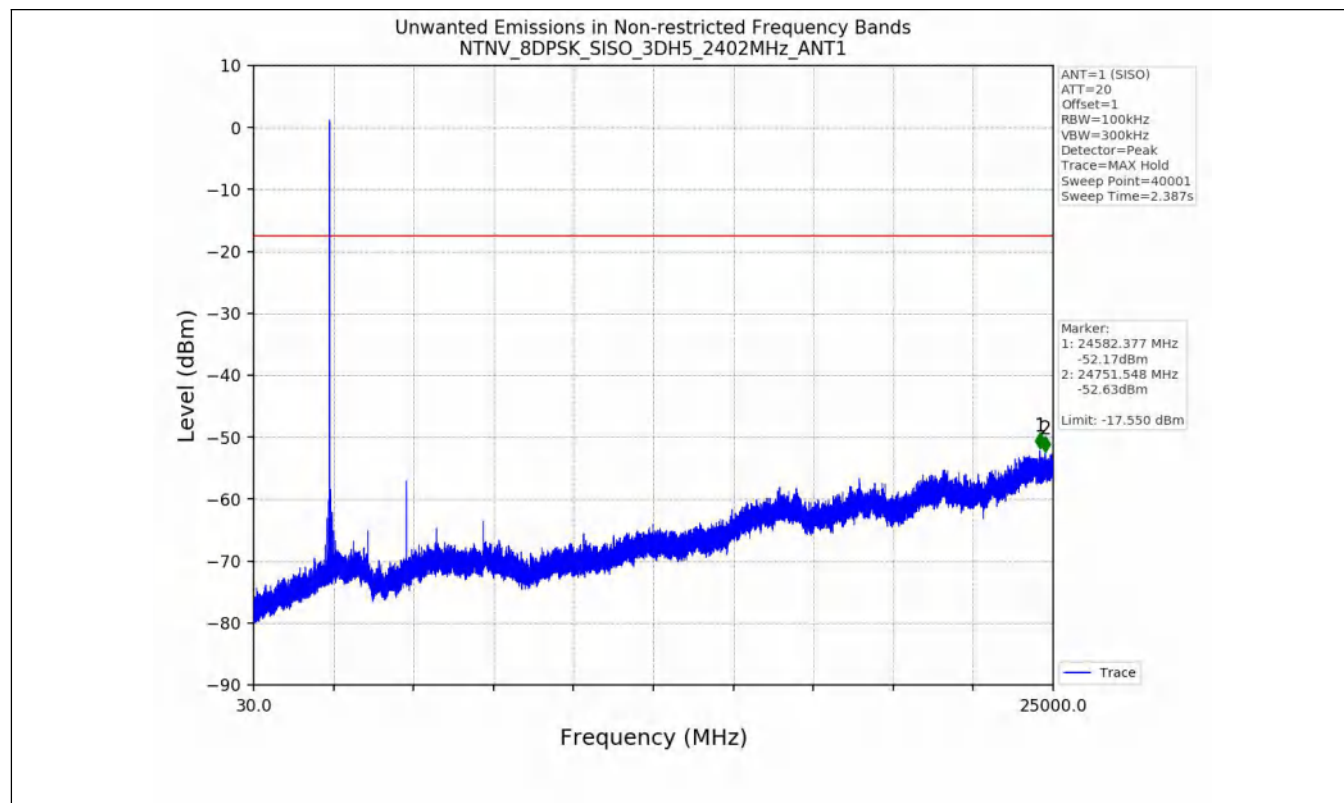


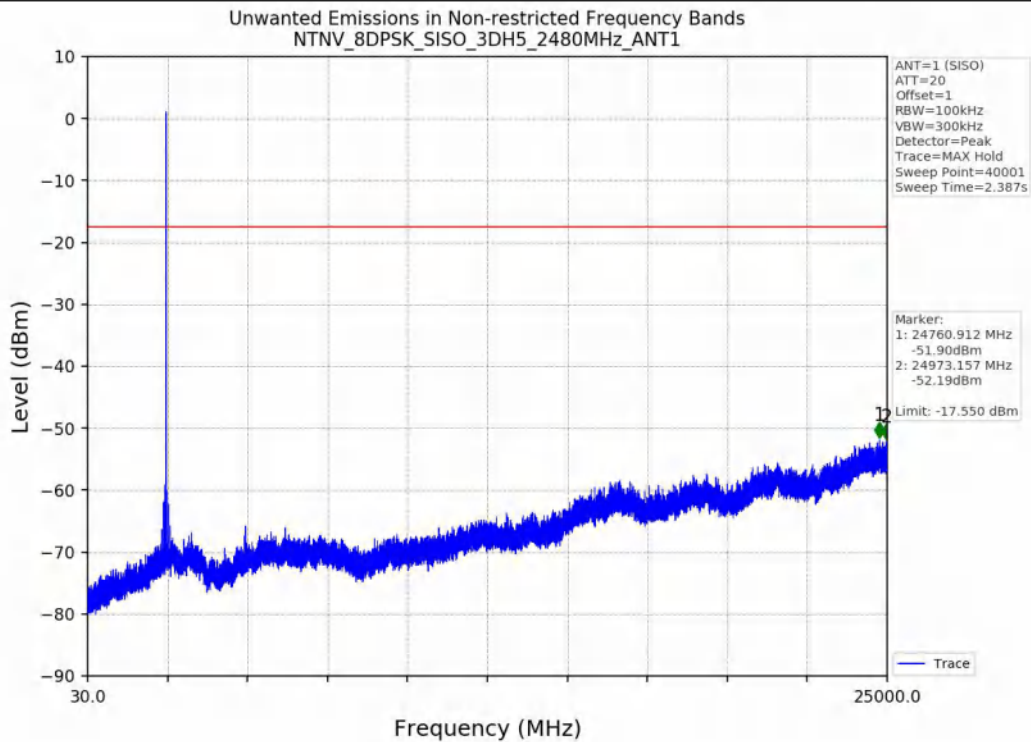
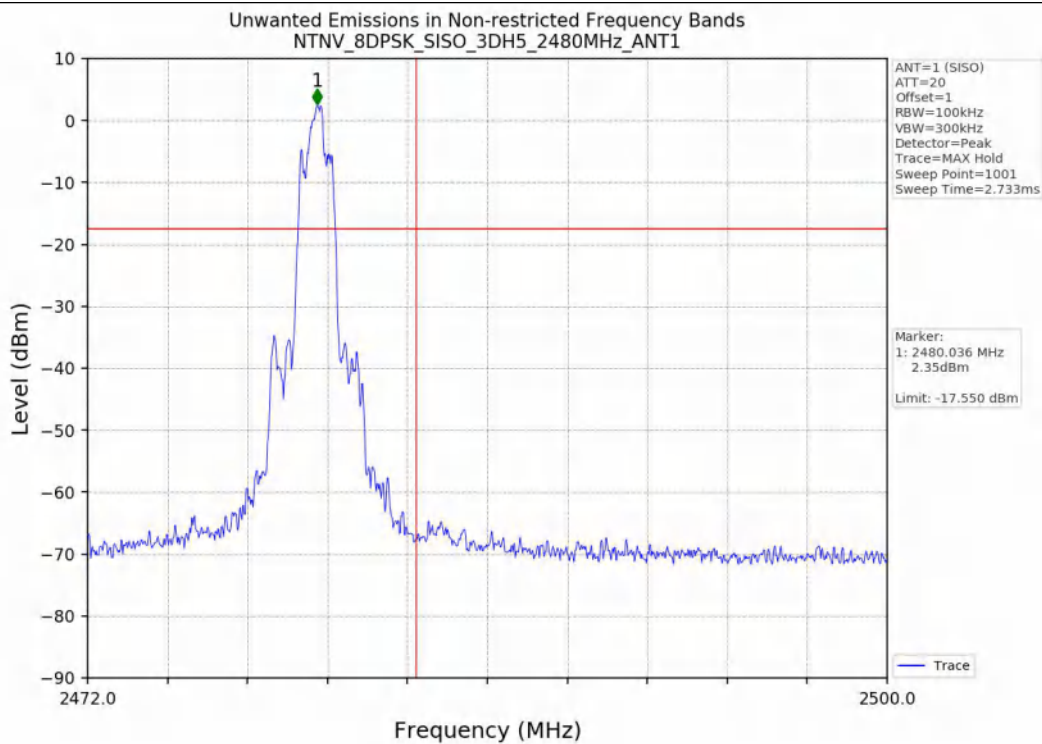


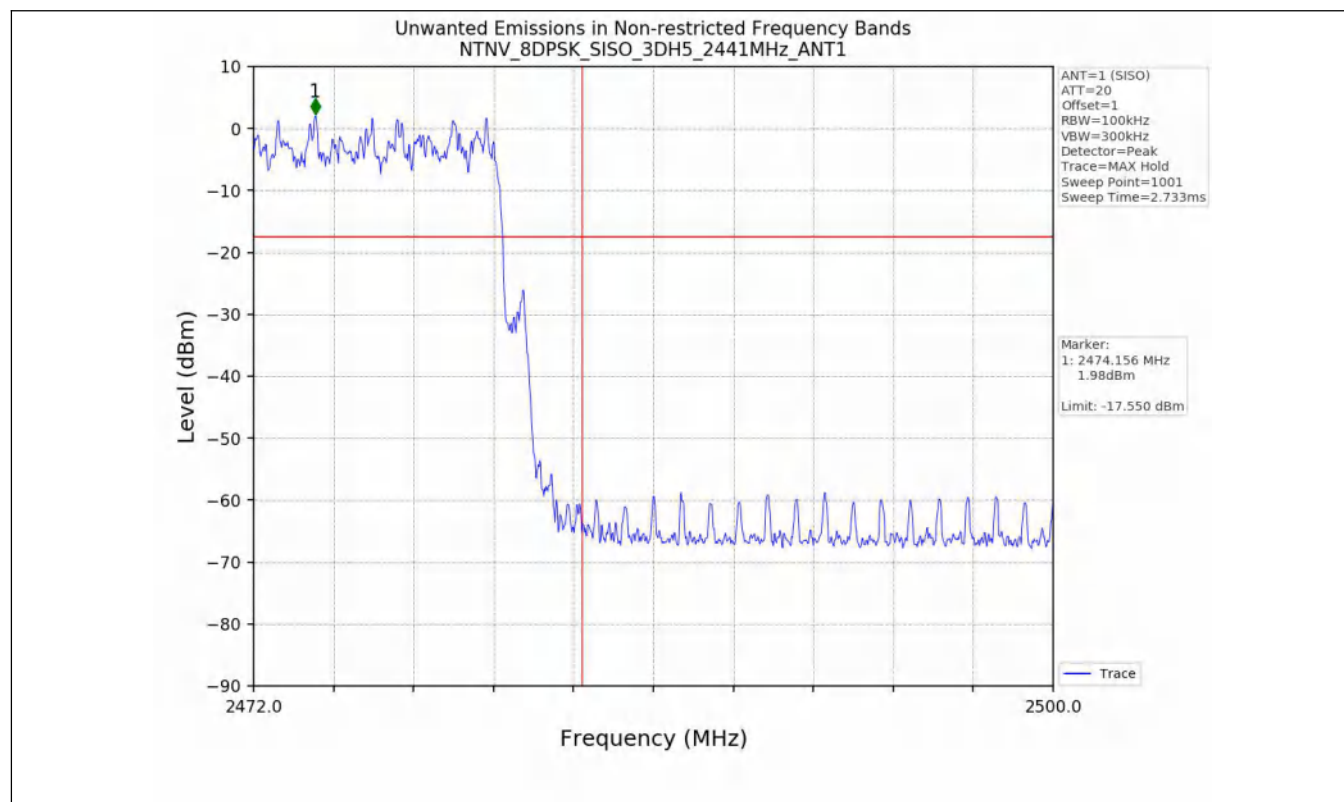
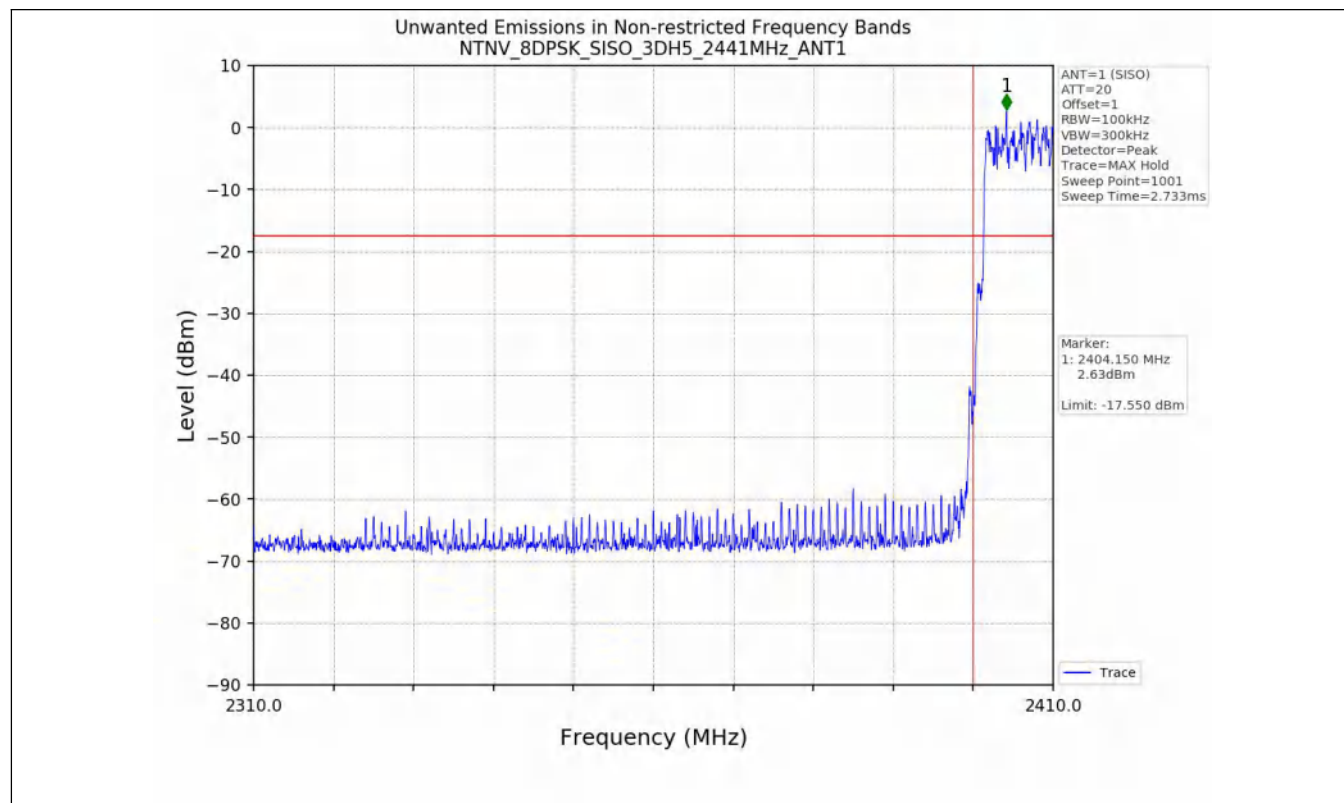












7. Frequency Error

7.1 Test Result

Test Mode	Frequency (MHz)	TX Type	ANT	Measured Frequency (MHz)		Verdict
				Test Result	Limit	
GFSK	2402	SISO	1	2402.00	2400-2483.5	PASS
	2441	SISO	1	2441.00	2400-2483.5	PASS
	2480	SISO	1	2480.00	2400-2483.5	PASS
Pi/4DQPSK	2402	SISO	1	2402.00	2400-2483.5	PASS
	2441	SISO	1	2441.02	2400-2483.5	PASS
	2480	SISO	1	2480.00	2400-2483.5	PASS

7.2 Test Graph

