



Appendix for 15.247

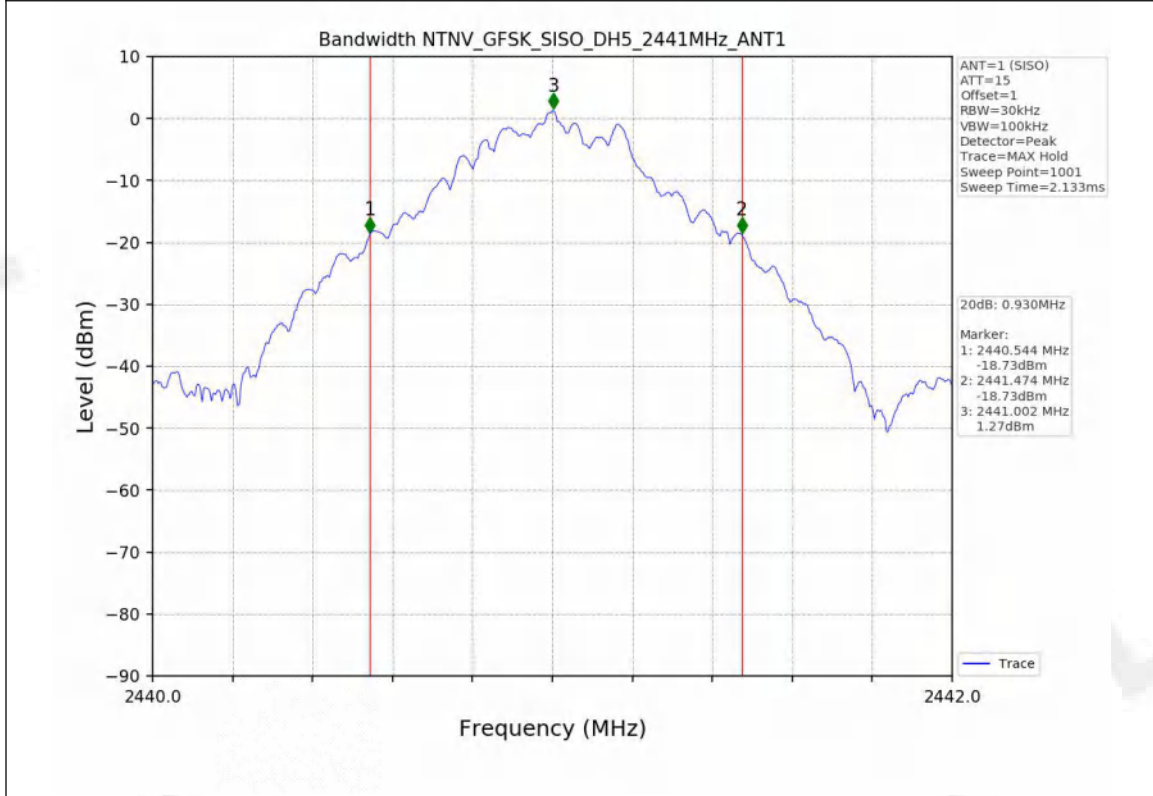
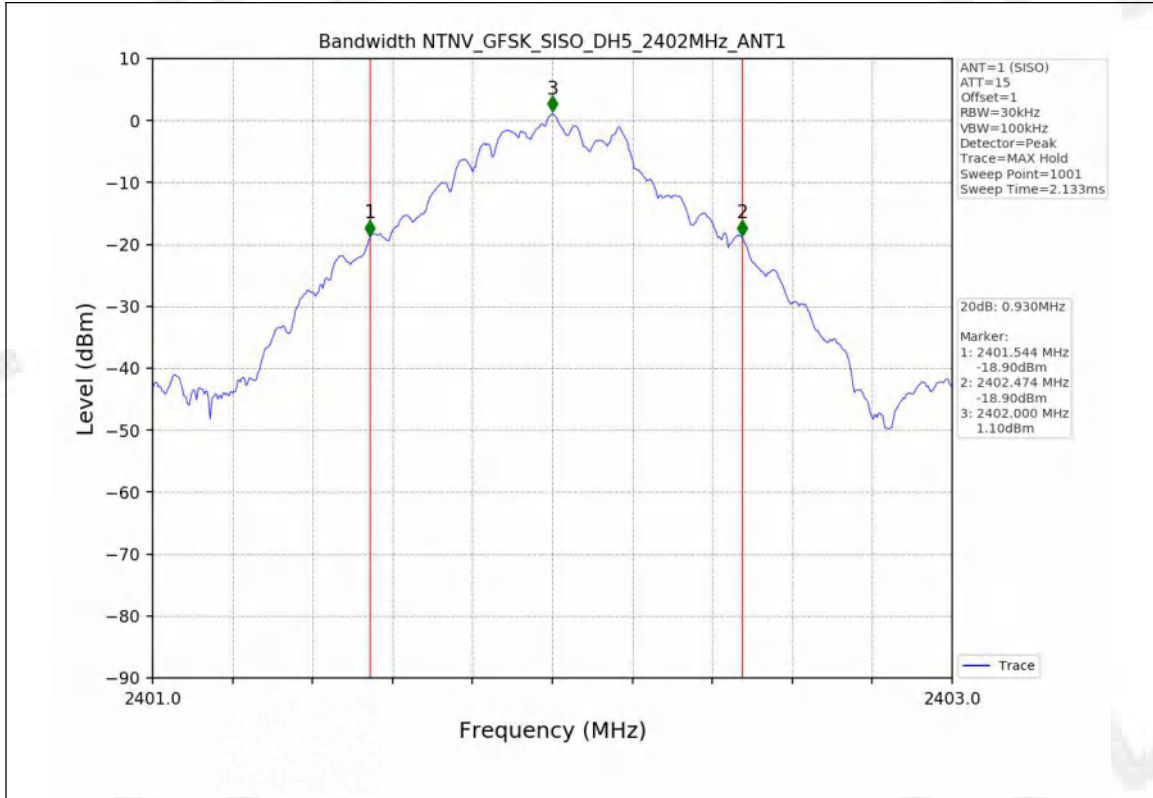
1. Bandwidth

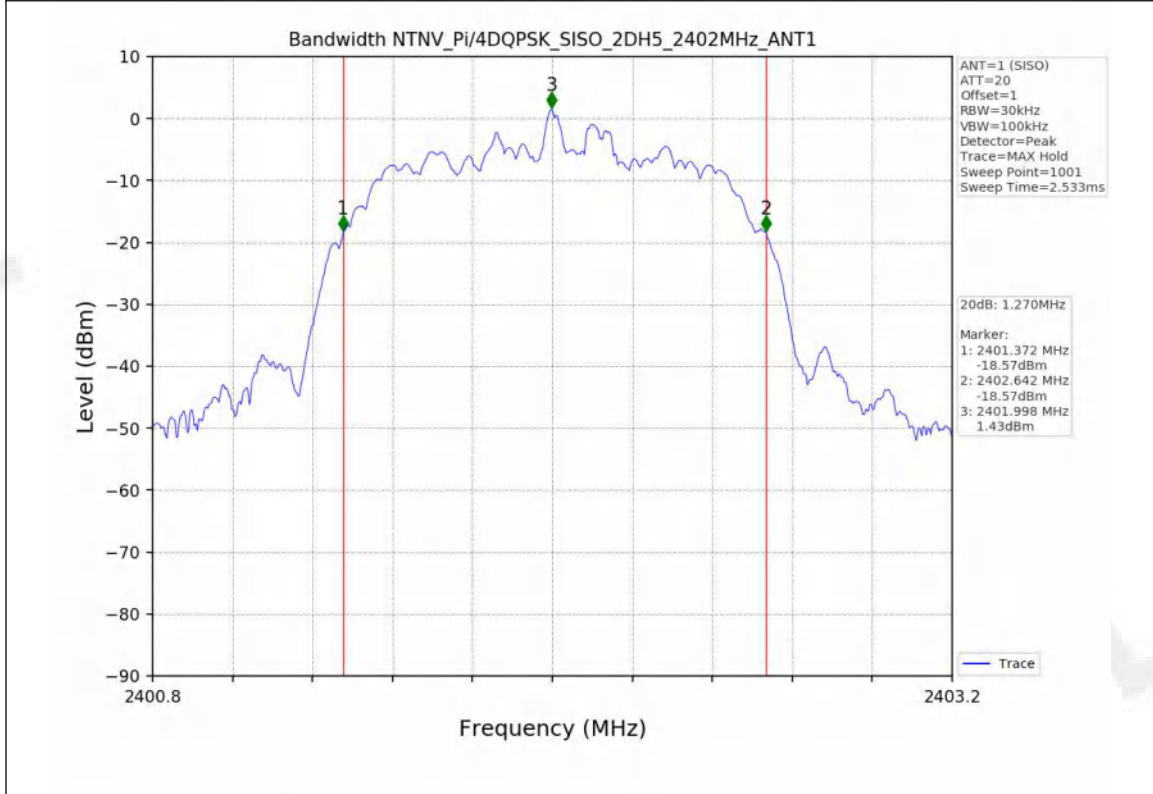
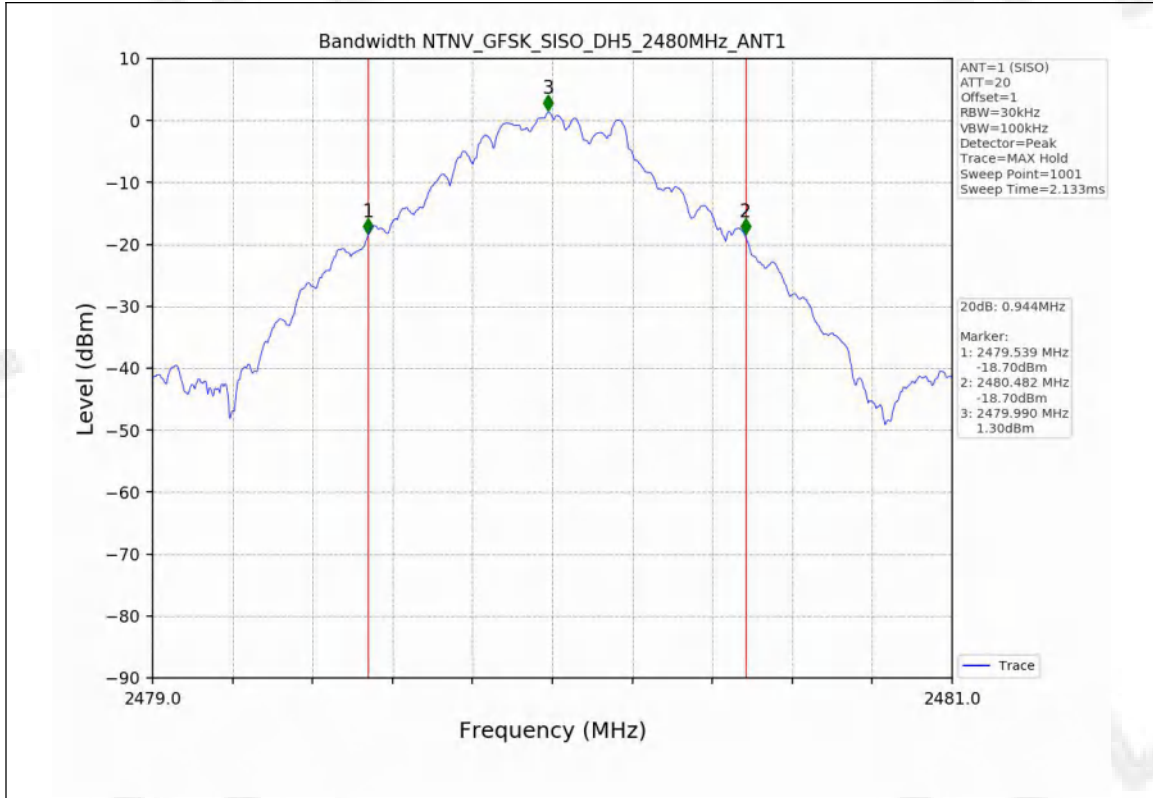
1.1 Test Result

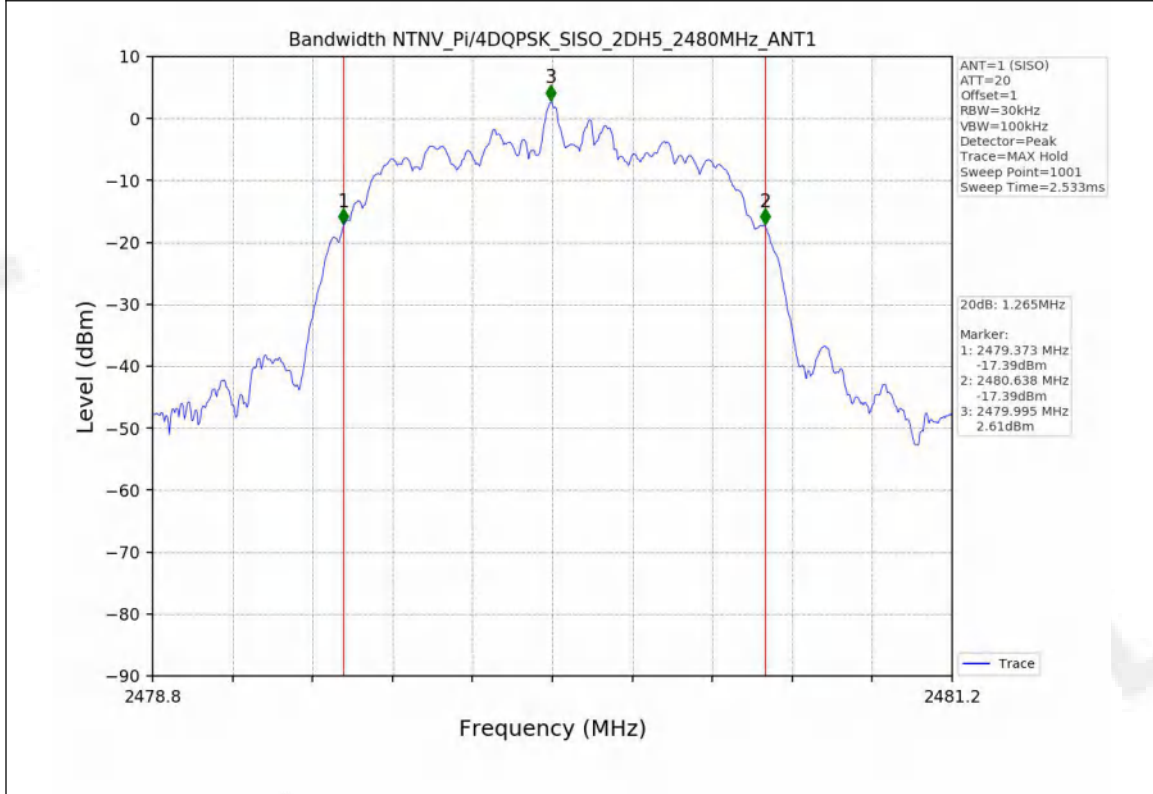
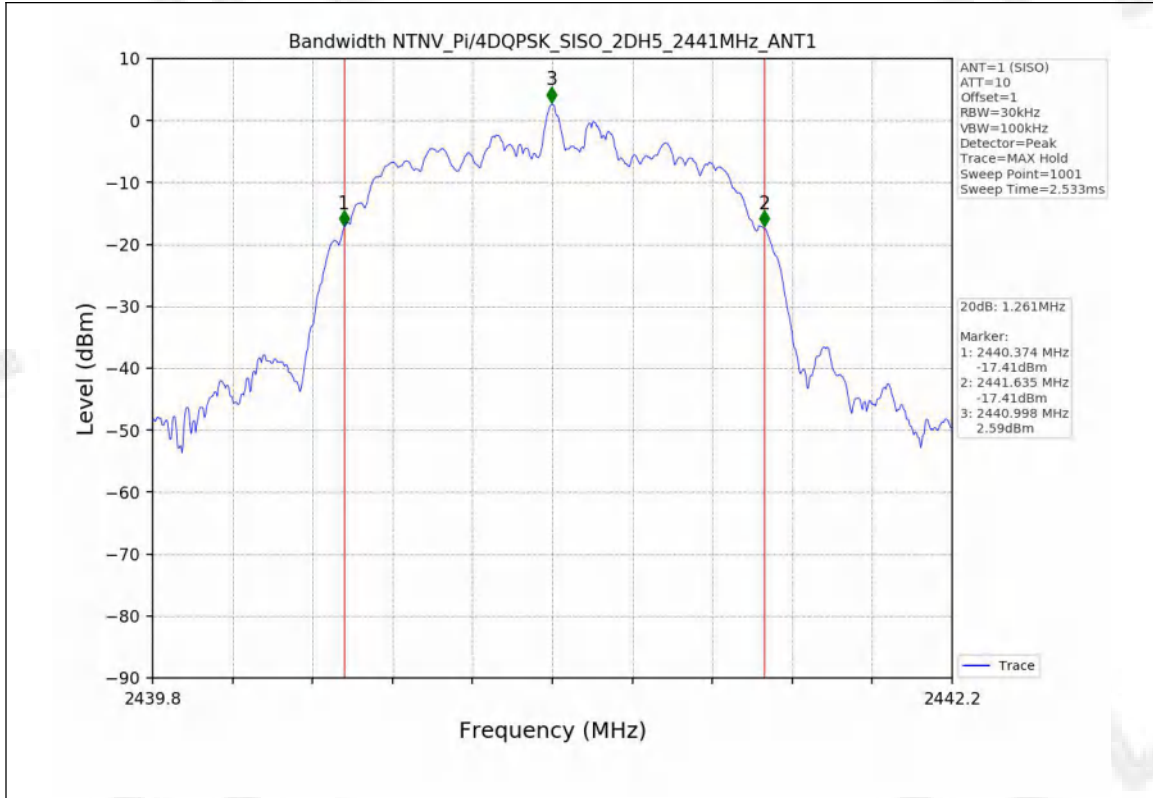
Test Mode	Frequency (MHz)	TX Type	ANT No.	20dB Bandwidth	Verdict
				Test Result (MHz)	
GFSK	2402	SISO	1	0.930	PASS
	2441	SISO	1	0.930	PASS
	2480	SISO	1	0.944	PASS
Pi/4DQPSK	2402	SISO	1	1.270	PASS
	2441	SISO	1	1.261	PASS
	2480	SISO	1	1.265	PASS
8DPSK	2402	SISO	1	1.272	PASS
	2441	SISO	1	1.276	PASS
	2480	SISO	1	1.274	PASS

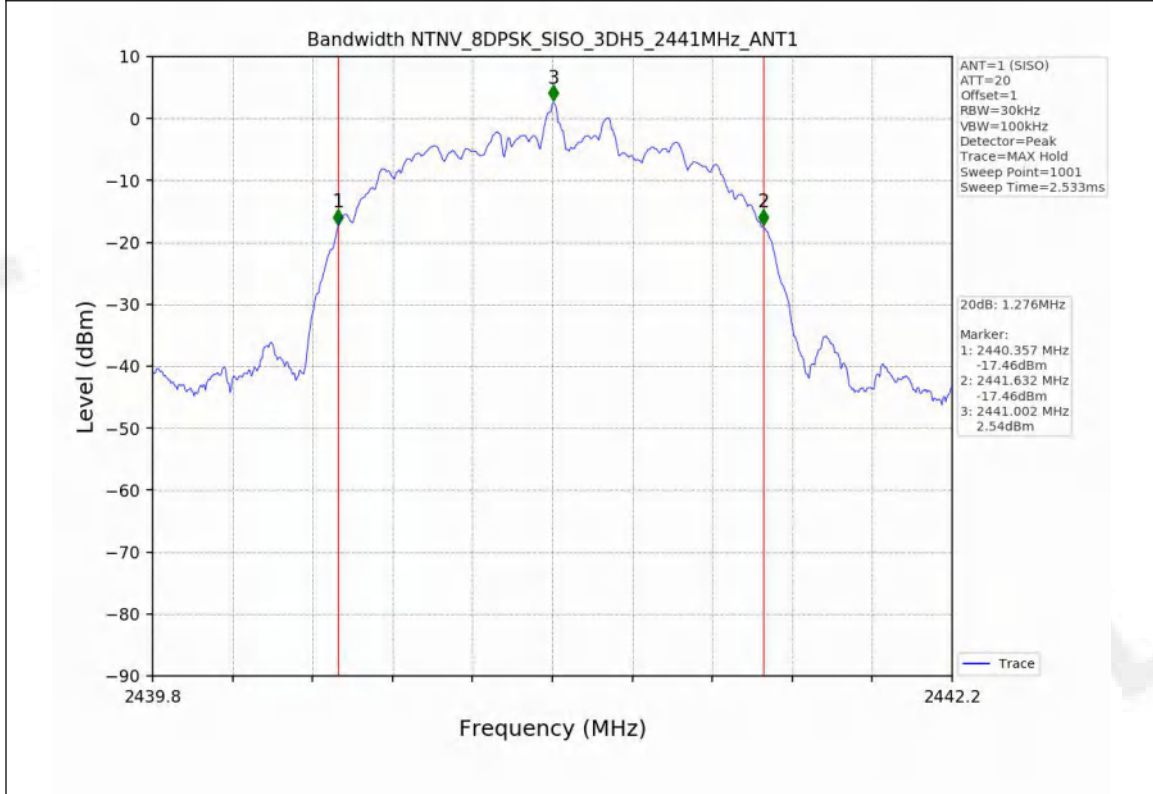
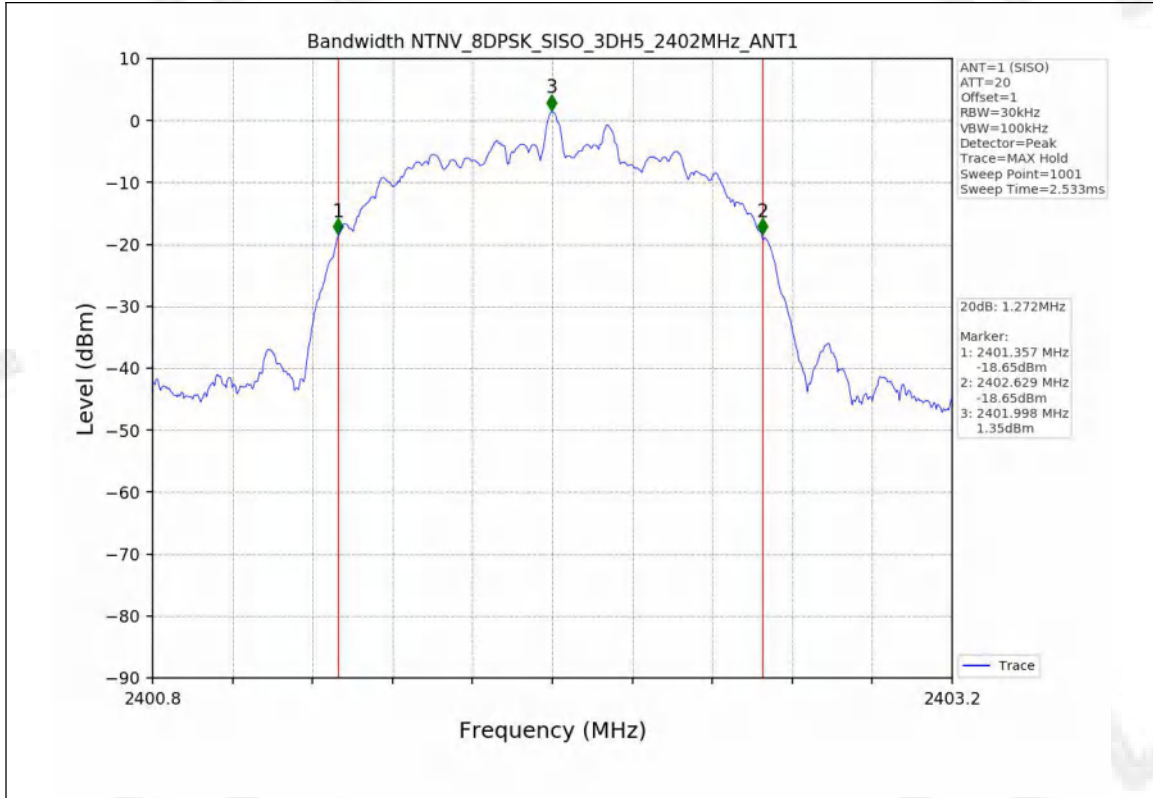
Test Mode	Frequency (MHz)	TX Type	ANT No.	99% Occupied Bandwidth	
				Test Result (MHz)	
GFSK	2402	SISO	1	0.836	Only for Report Use
	2441	SISO	1	0.832	Only for Report Use
	2480	SISO	1	0.837	Only for Report Use
Pi/4DQPSK	2402	SISO	1	1.161	Only for Report Use
	2441	SISO	1	1.163	Only for Report Use
	2480	SISO	1	1.161	Only for Report Use
8DPSK	2402	SISO	1	1.165	Only for Report Use
	2441	SISO	1	1.165	Only for Report Use
	2480	SISO	1	1.168	Only for Report Use

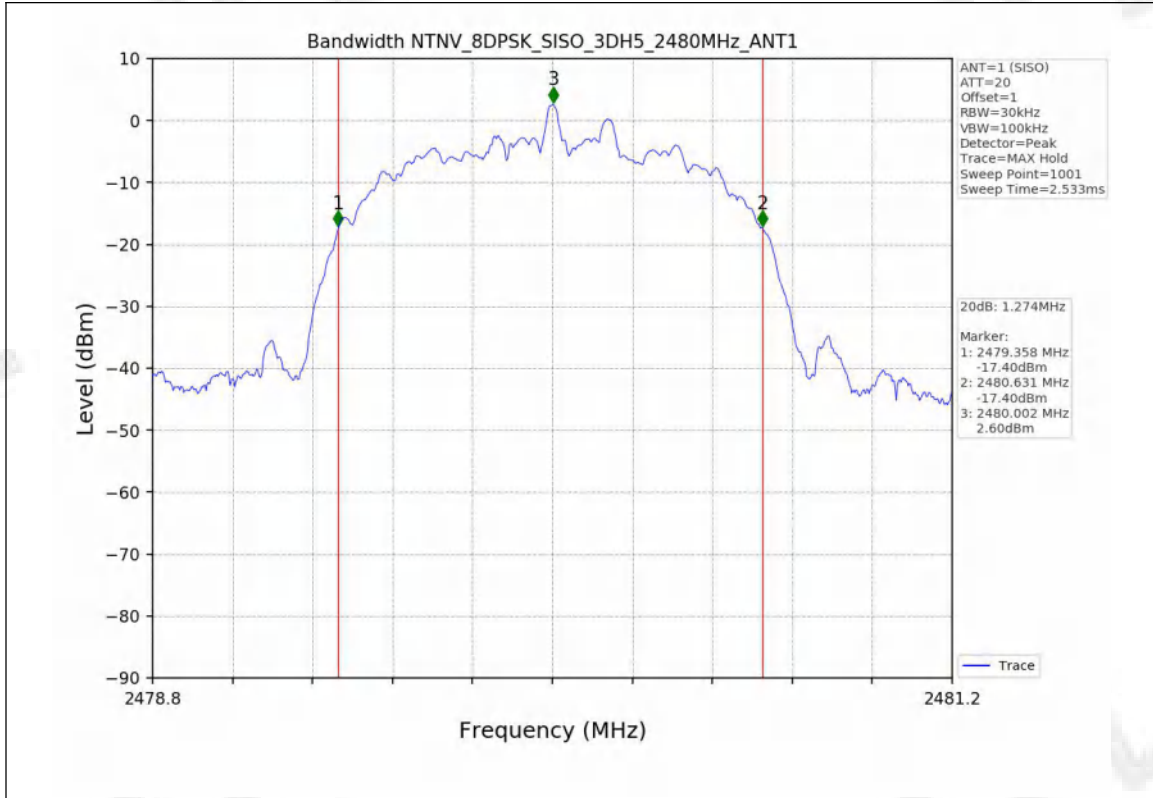
1.2 Test Graph - 20dB Bandwidth



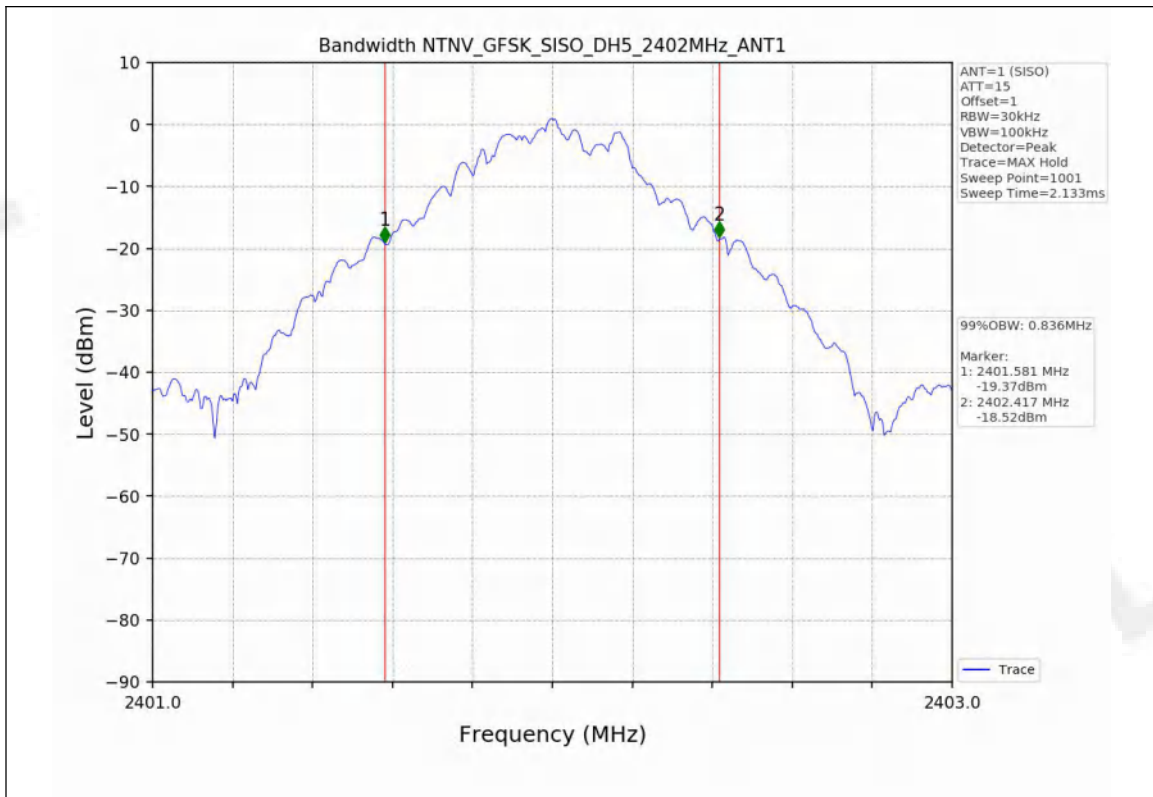


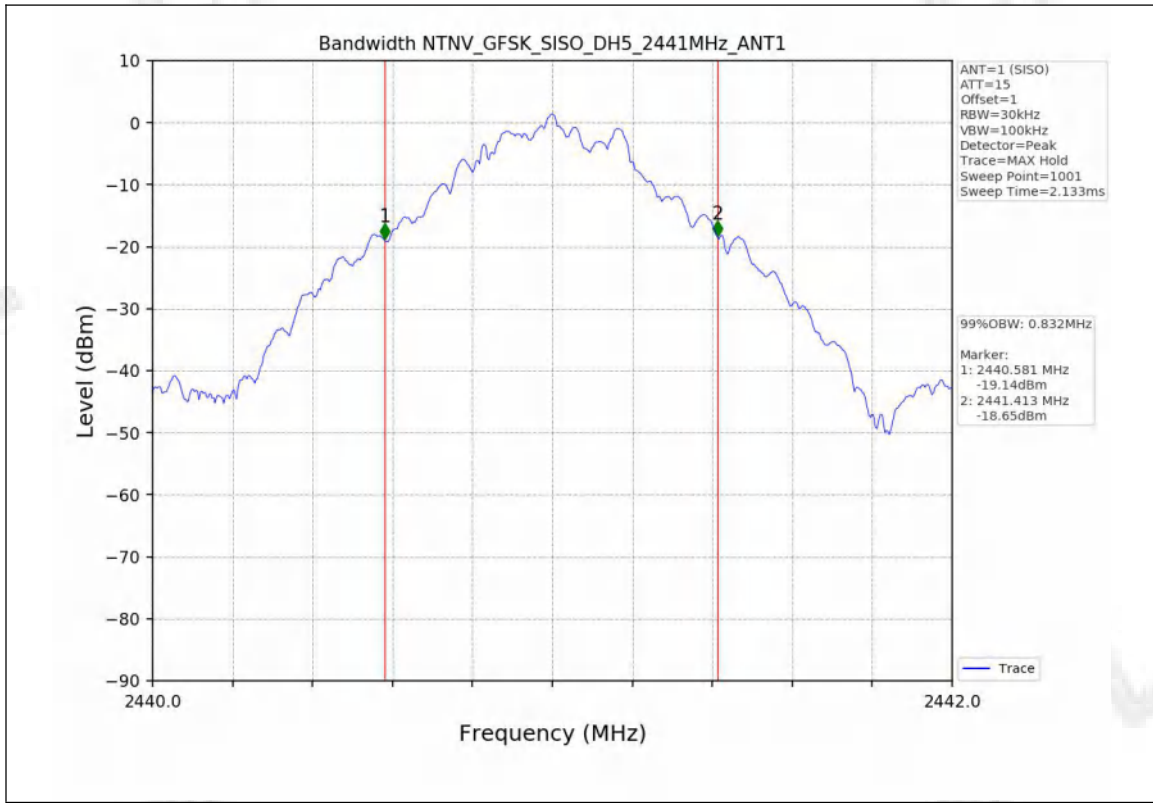


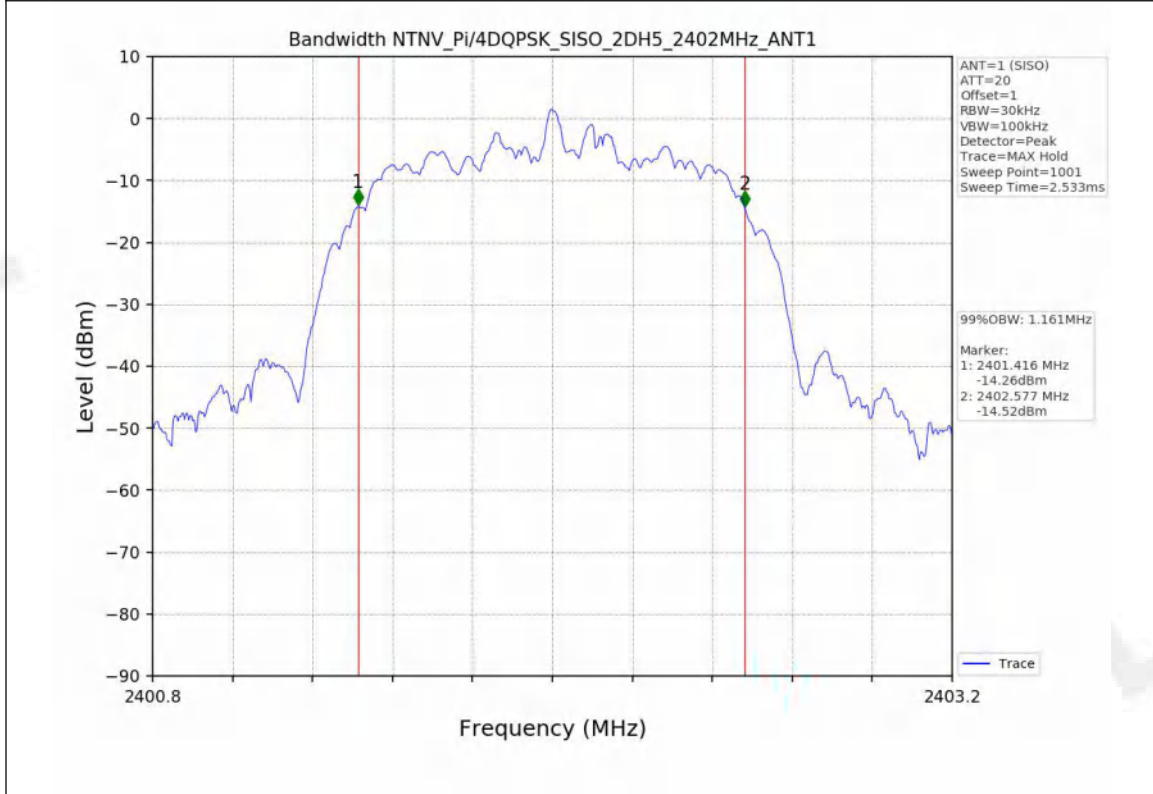
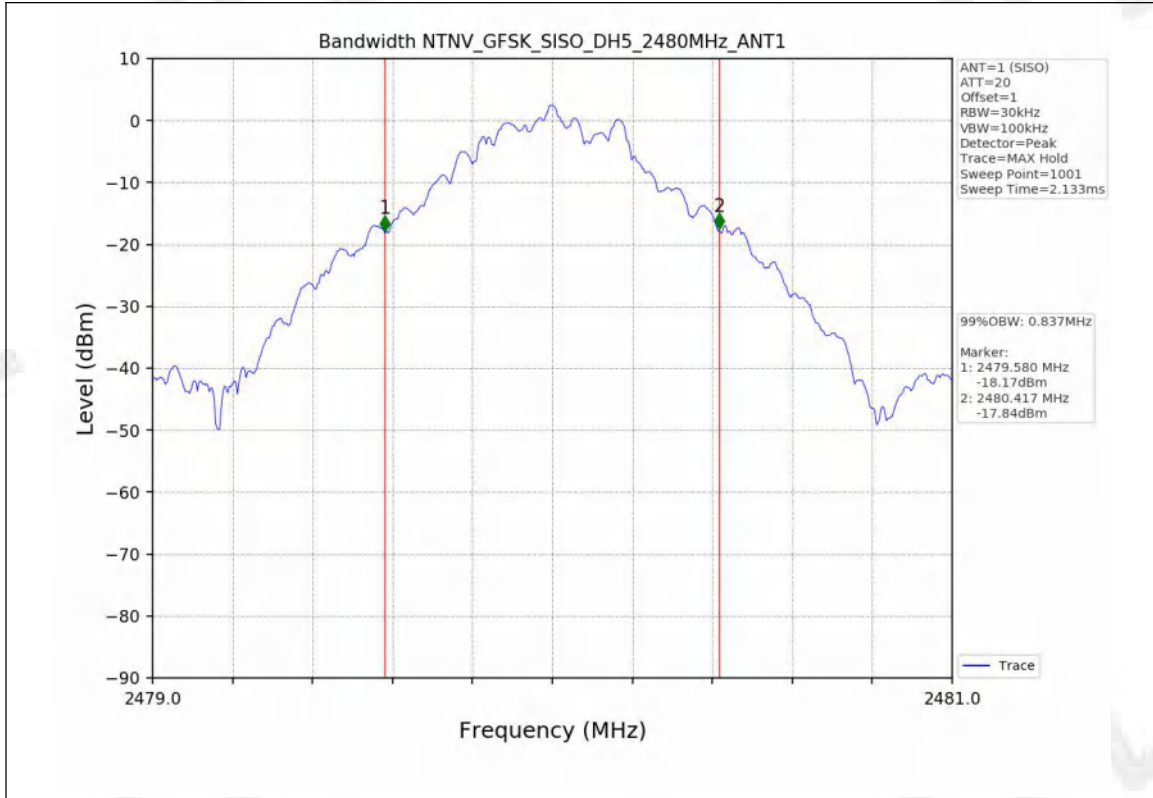


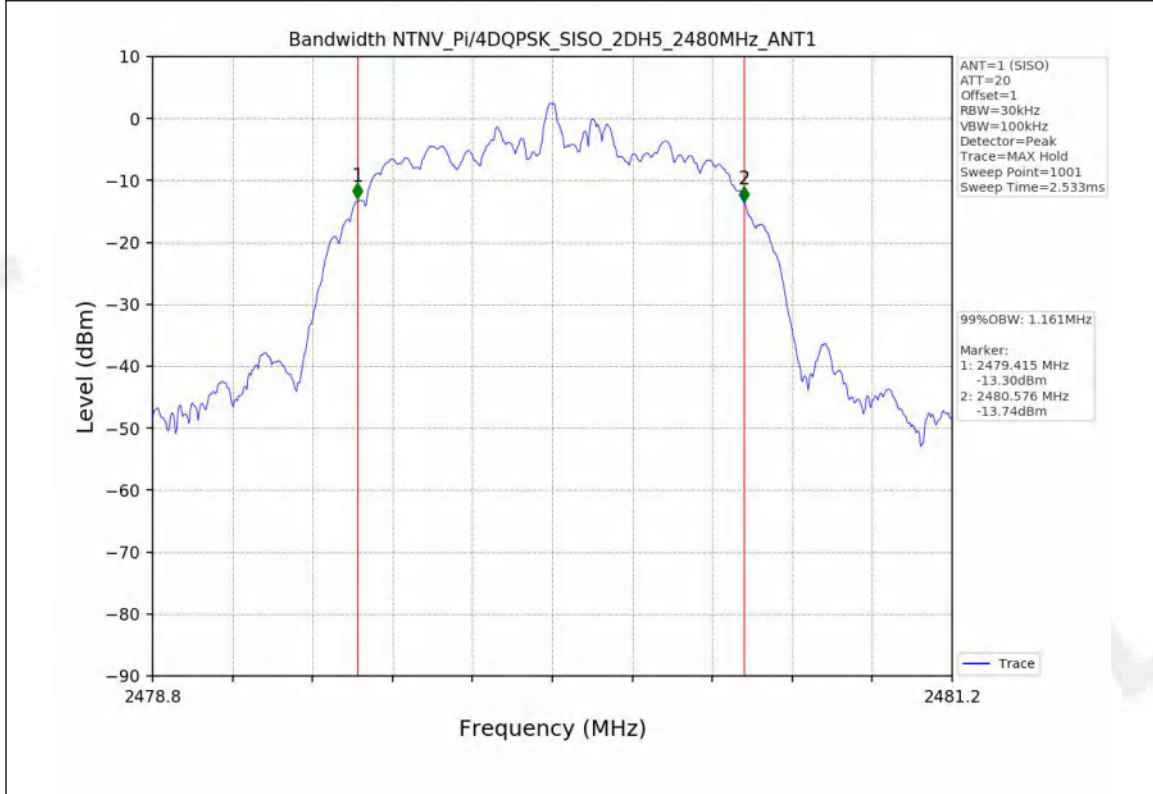
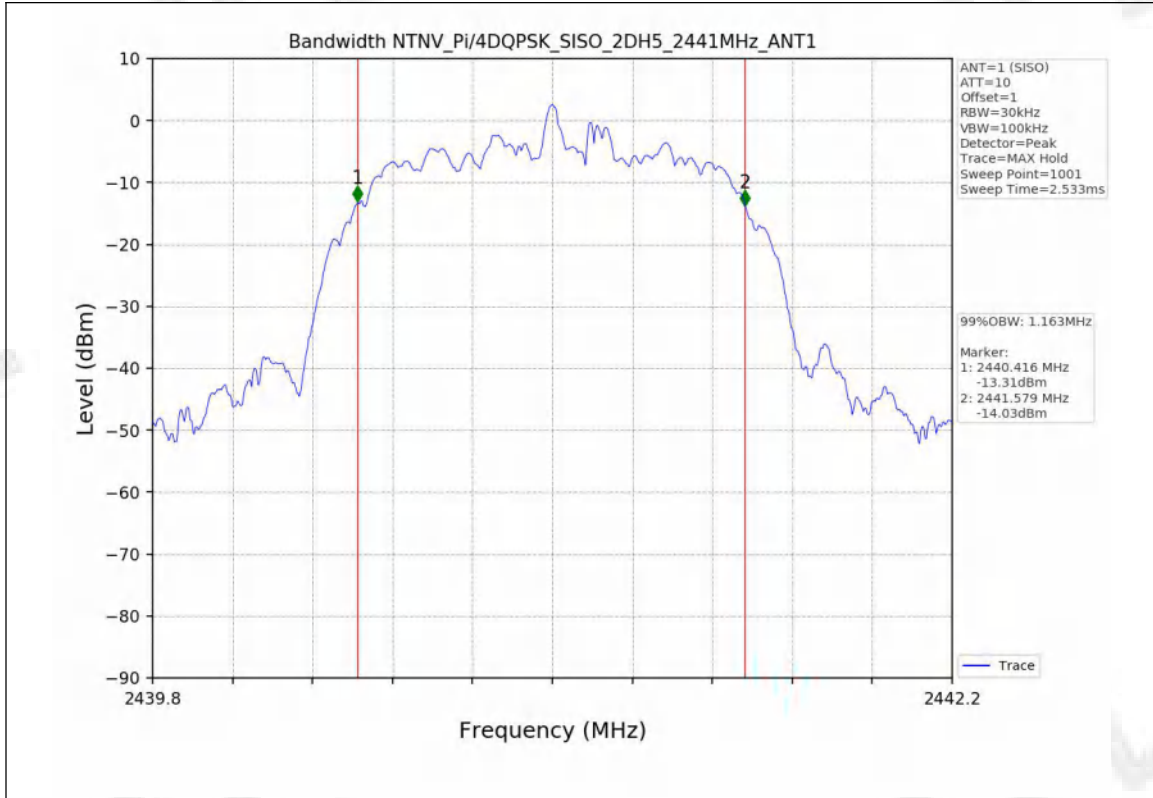


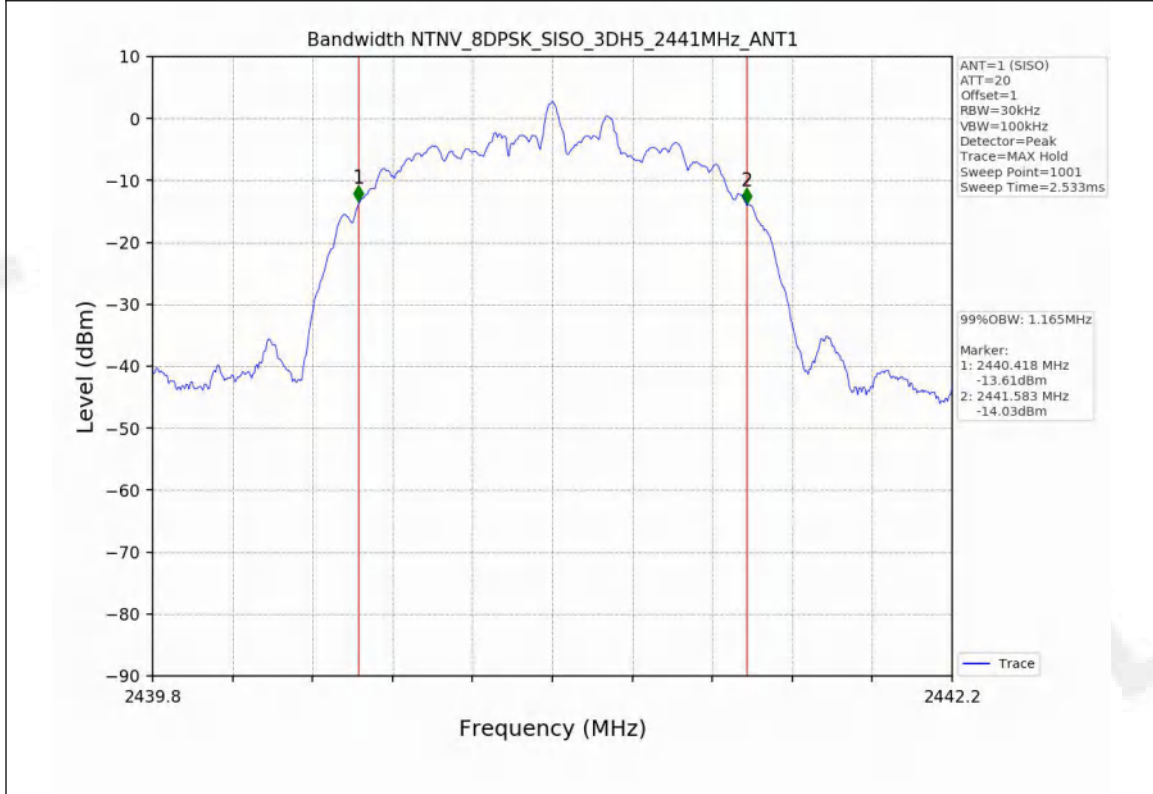
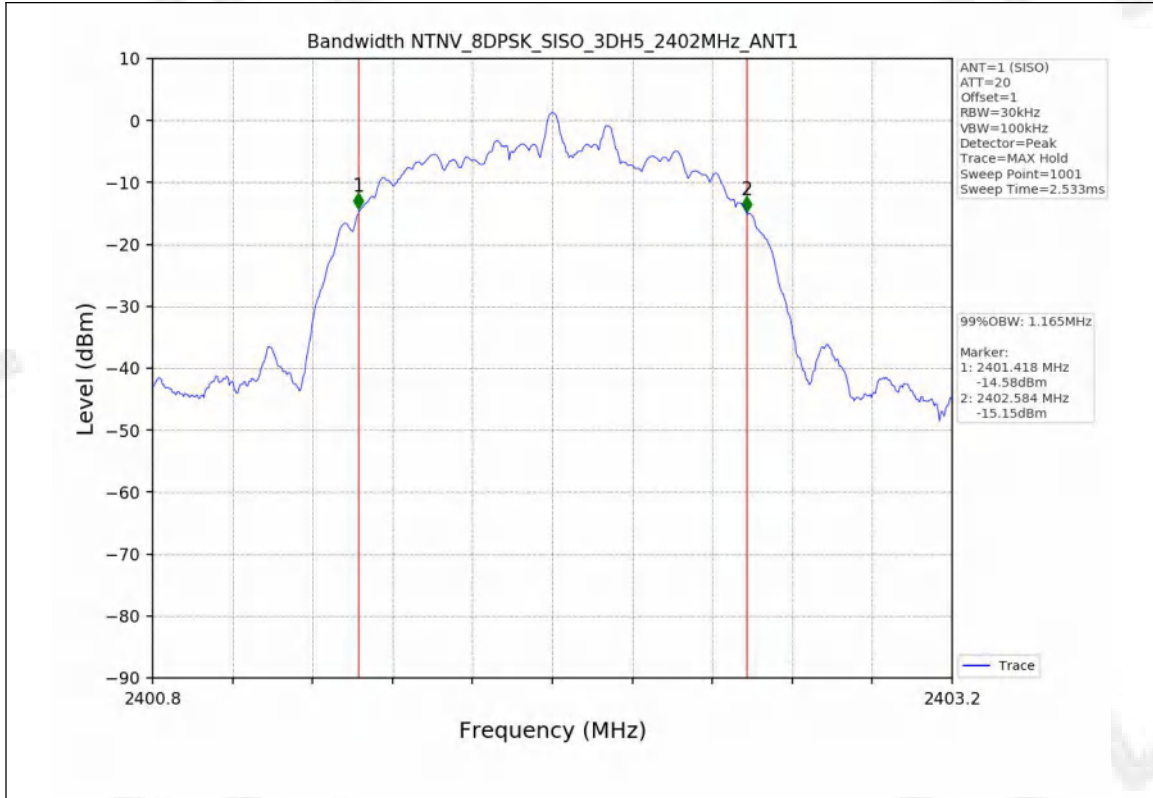
1.3 Test Graph - 99% Occupied Bandwidth

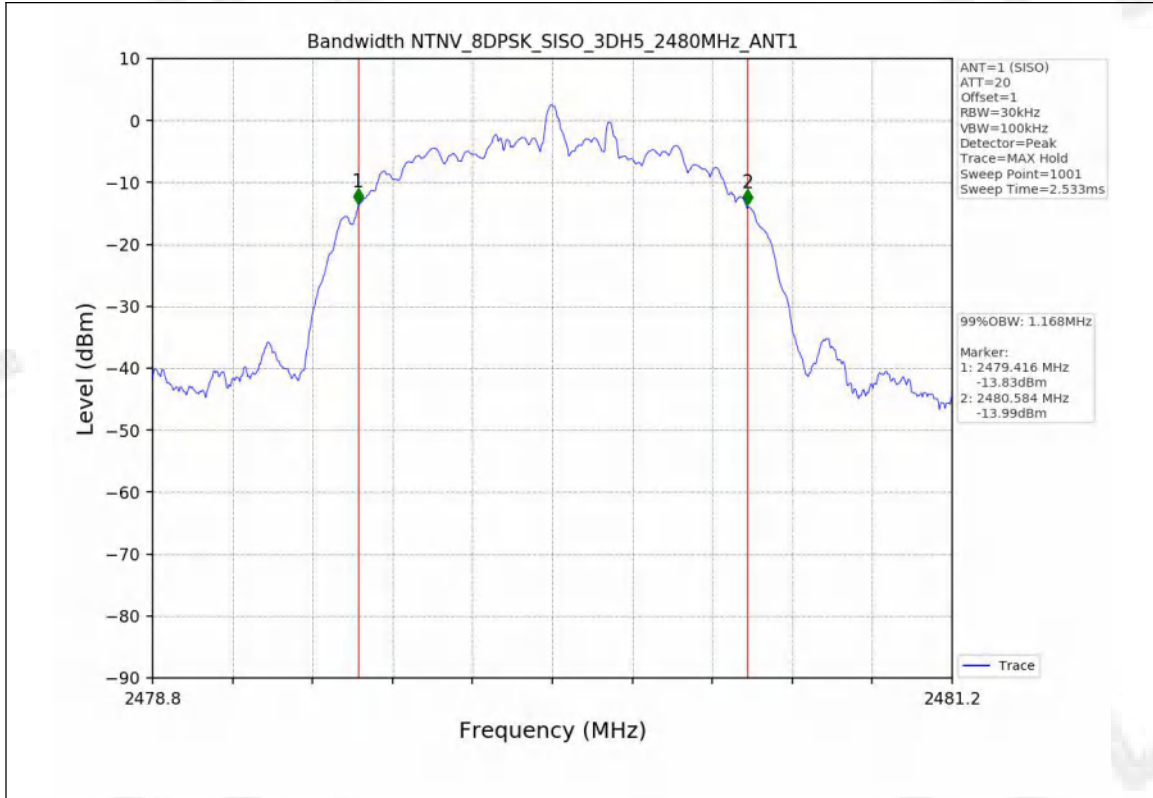










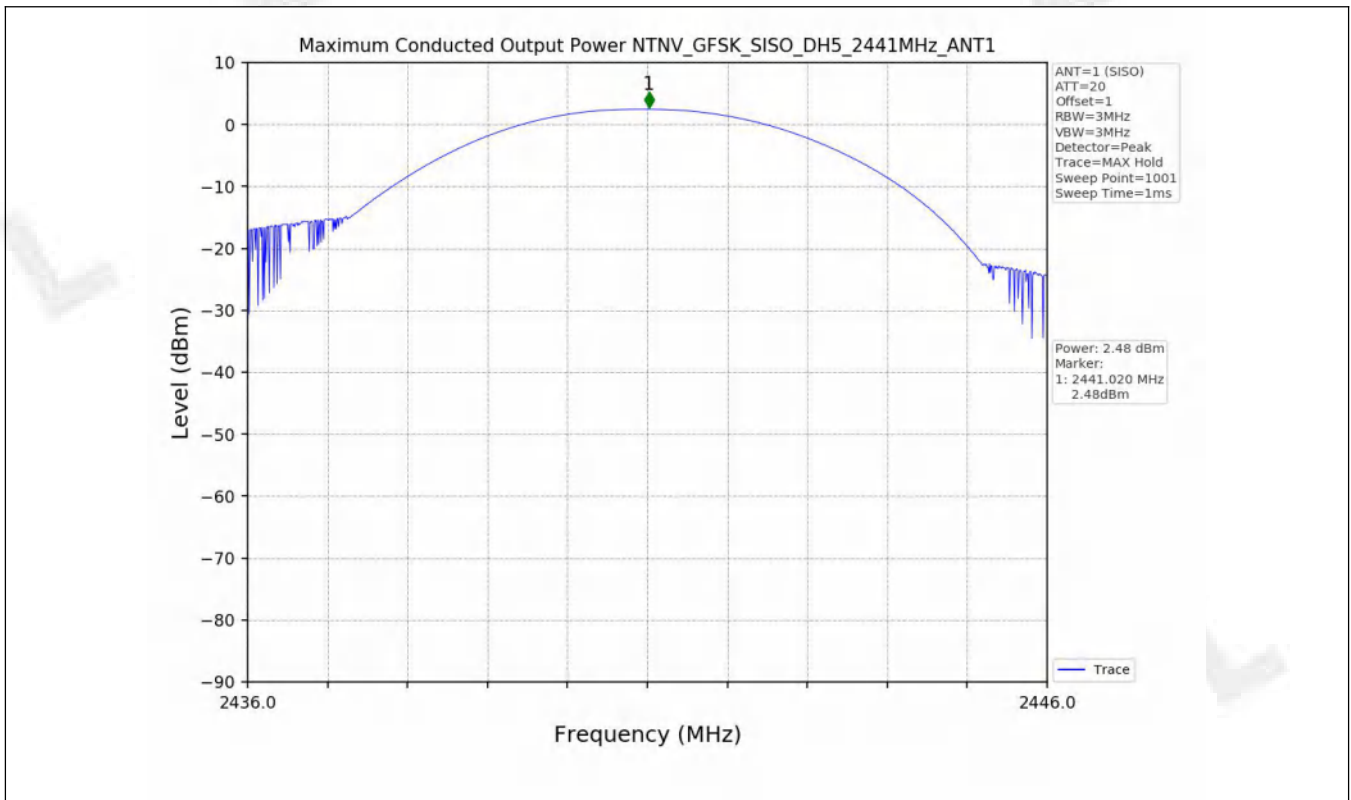
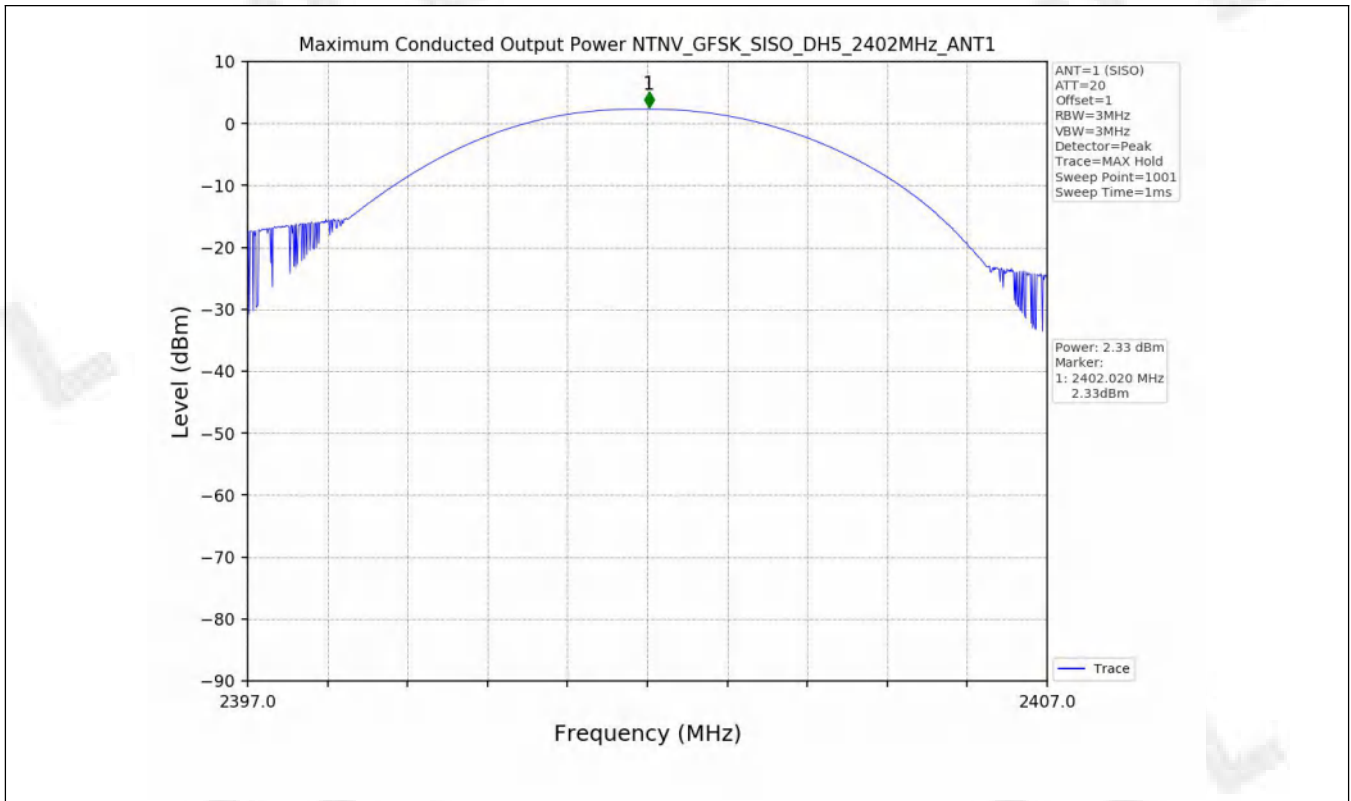


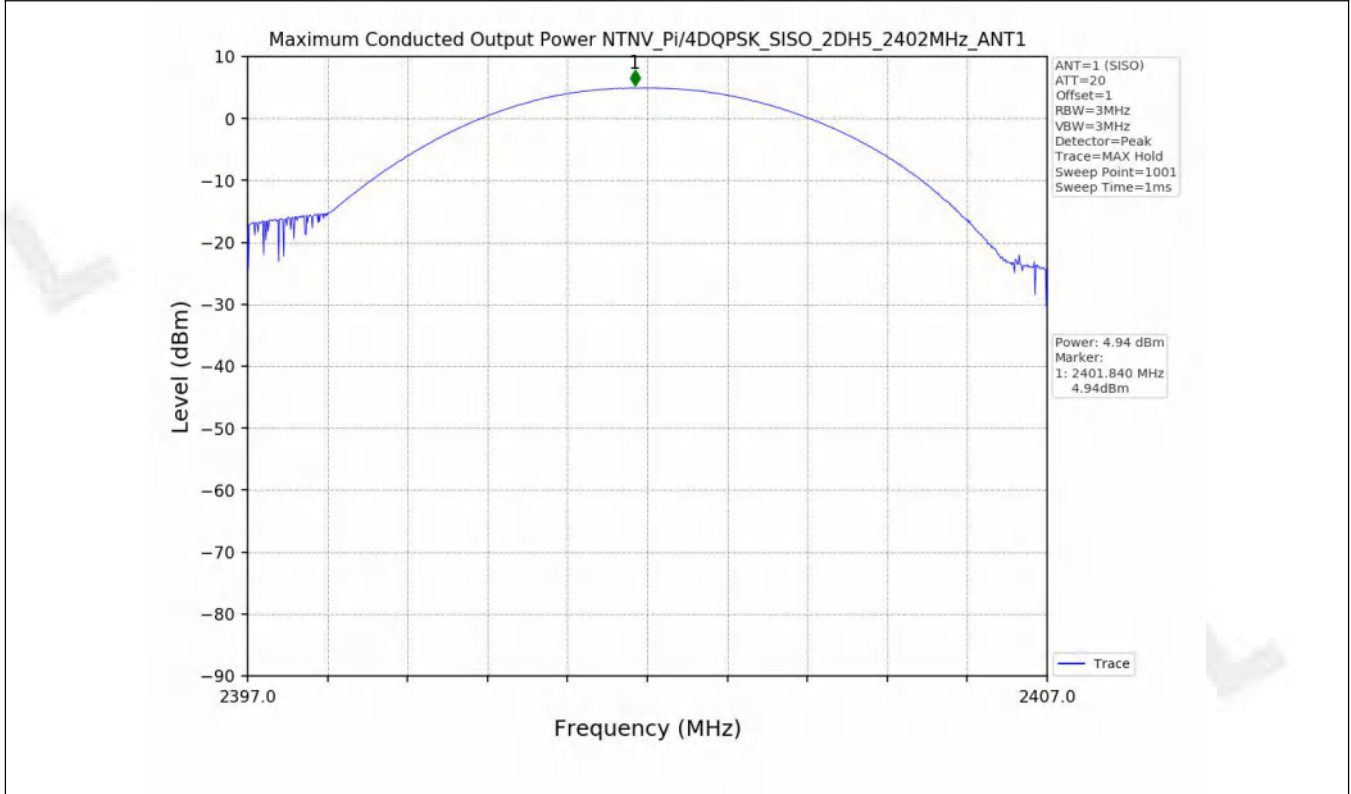
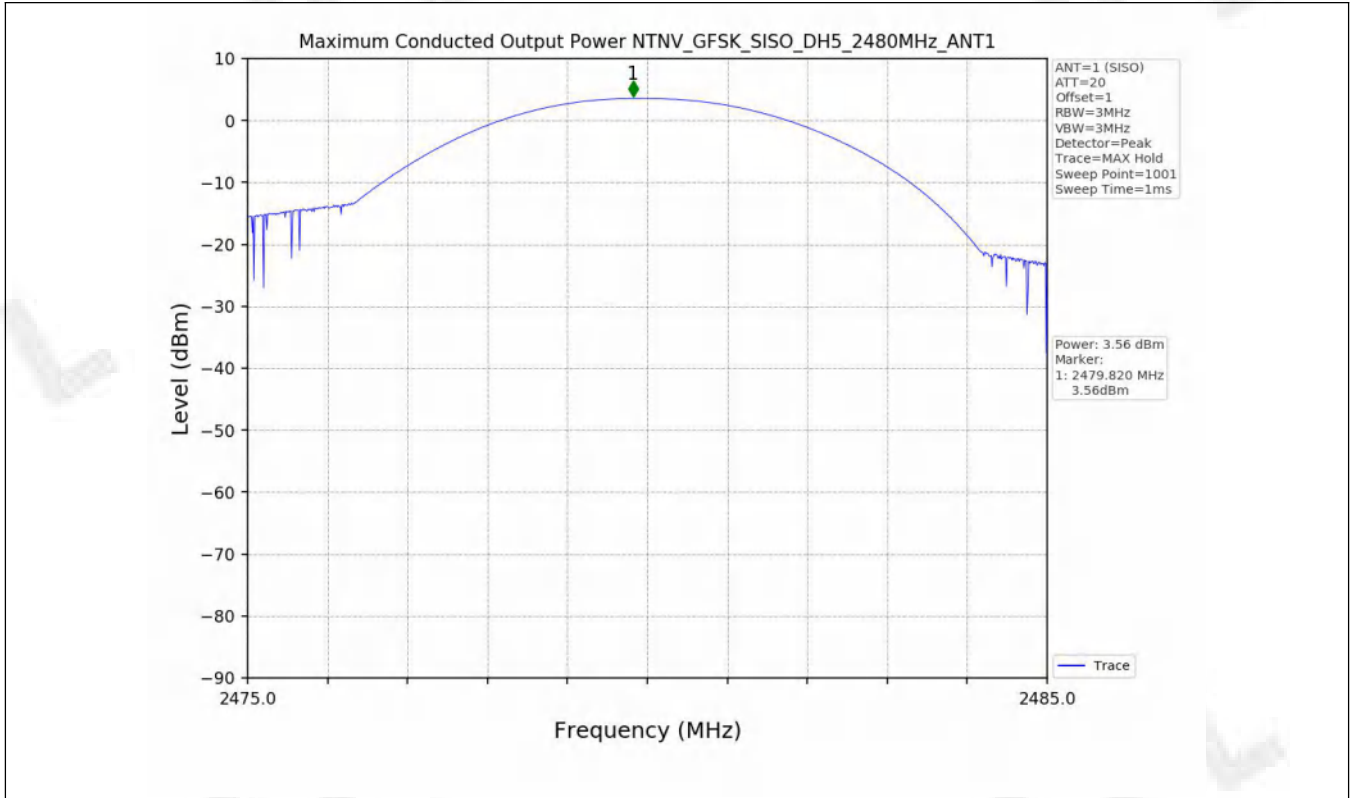
2. Maximum Conducted Output Power

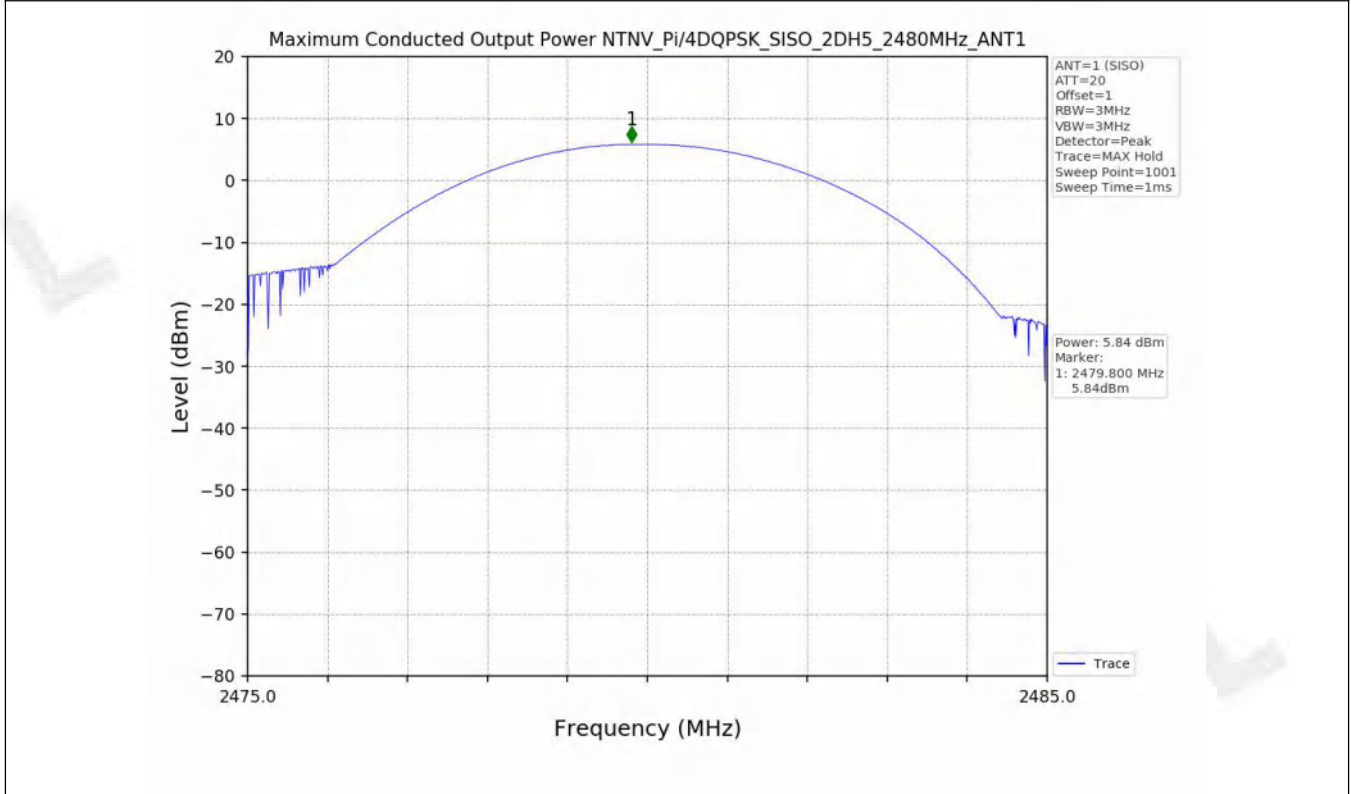
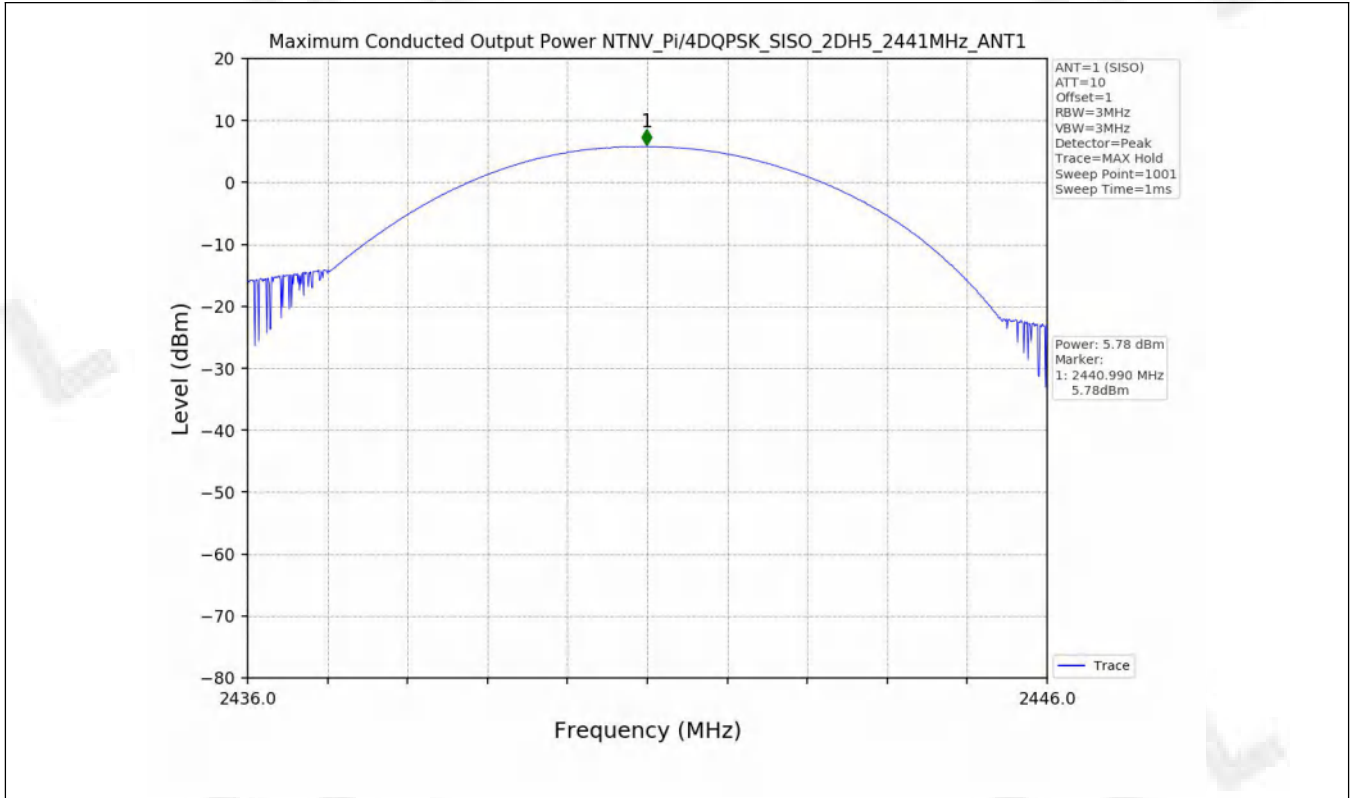
2.1 Test Result

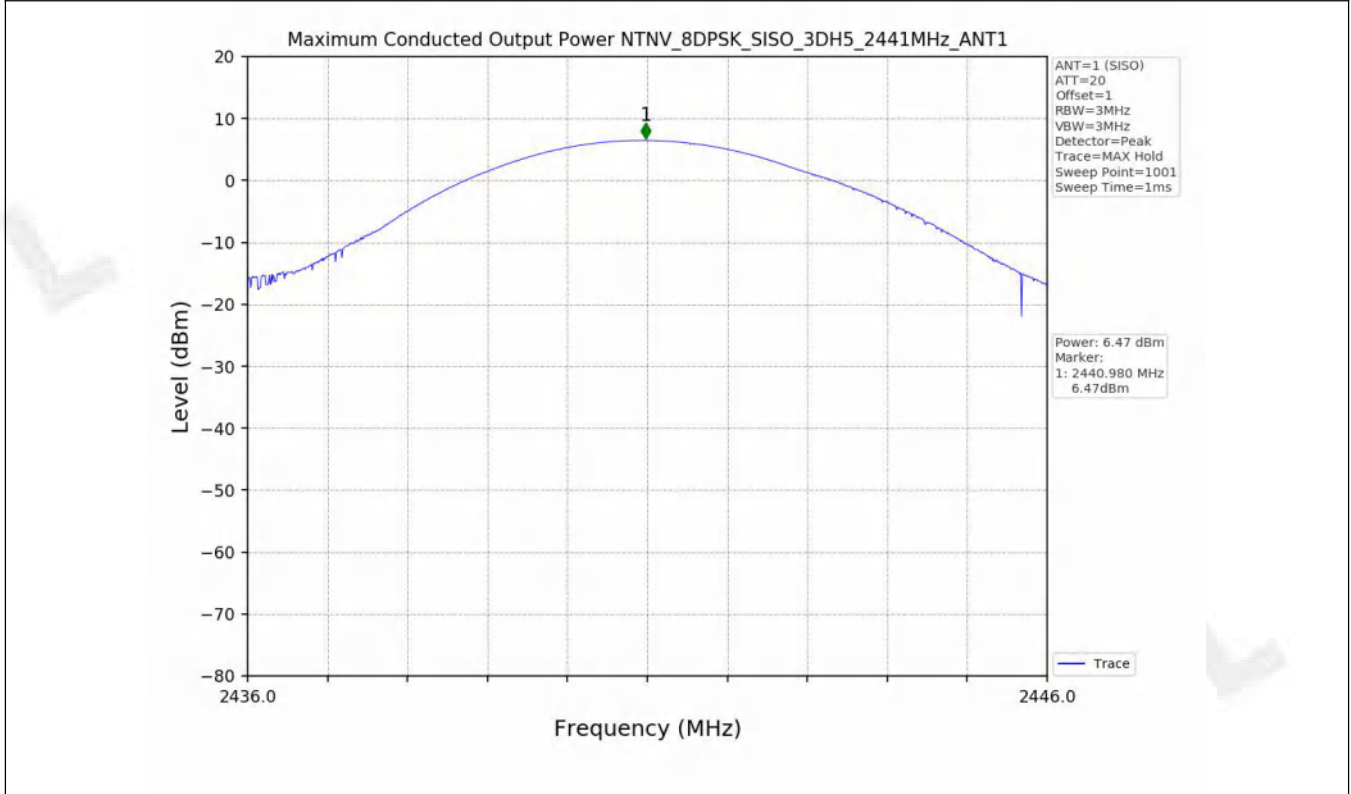
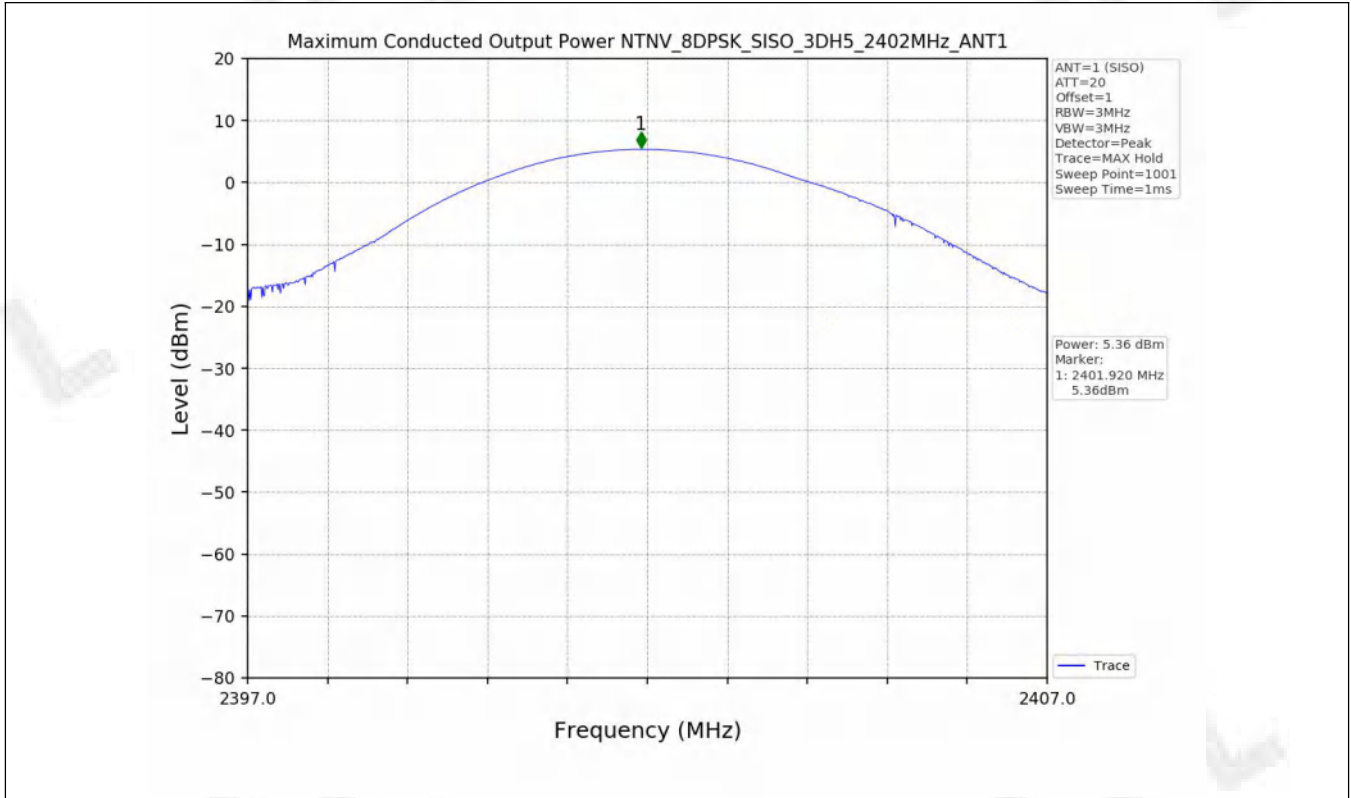
Test Mode	Frequency (MHz)	Tx Type	Measured Peak Output Power (dBm)	Limits (dBm)	Verdict
			Ant 1		
GFSK	2402	SISO	2.33	30	PASS
	2441	SISO	2.48	30	PASS
	2480	SISO	3.56	30	PASS
Pi/4DQPSK	2402	SISO	4.94	20.97	PASS
	2441	SISO	5.78	20.97	PASS
	2480	SISO	5.84	20.97	PASS
8DPSK	2402	SISO	5.36	20.97	PASS
	2441	SISO	6.47	20.97	PASS
	2480	SISO	6.34	20.97	PASS

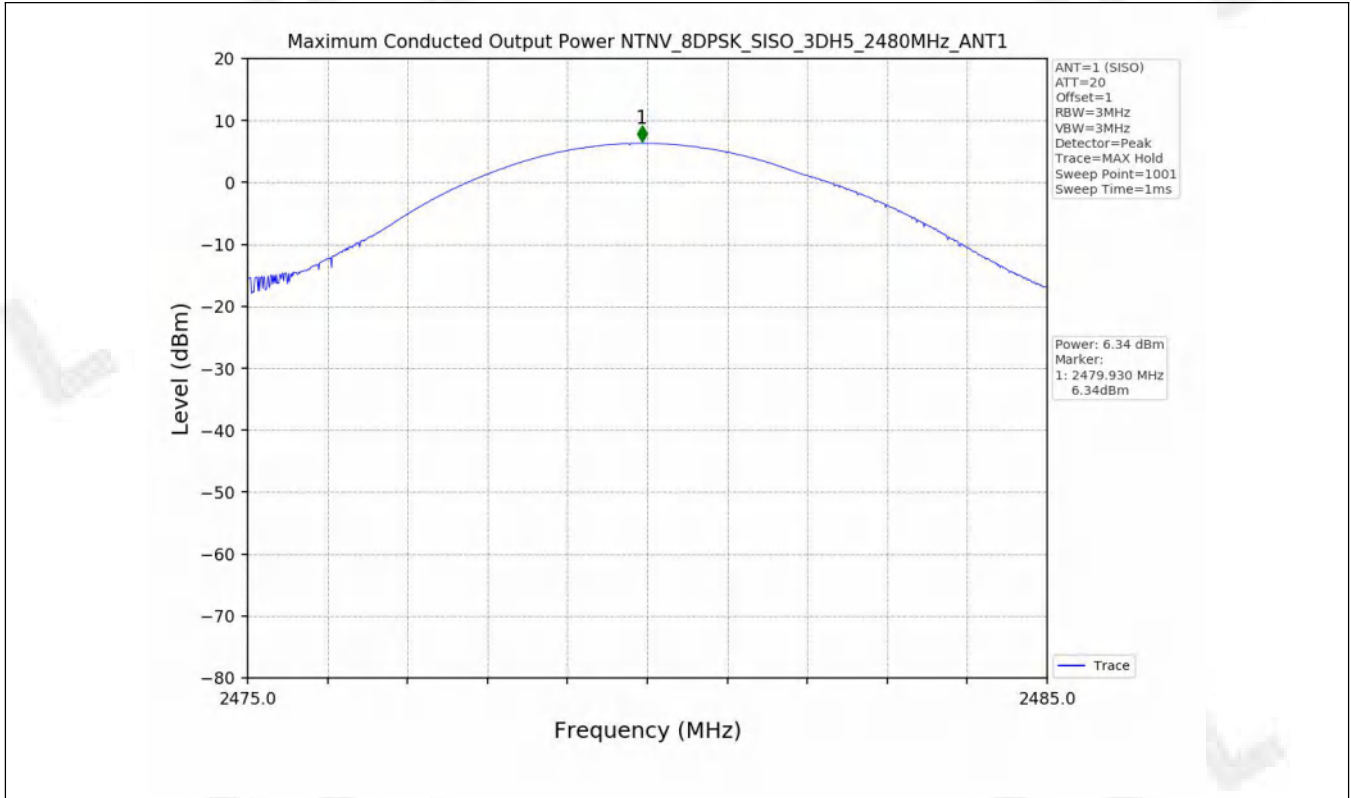
2.2 Test Graph









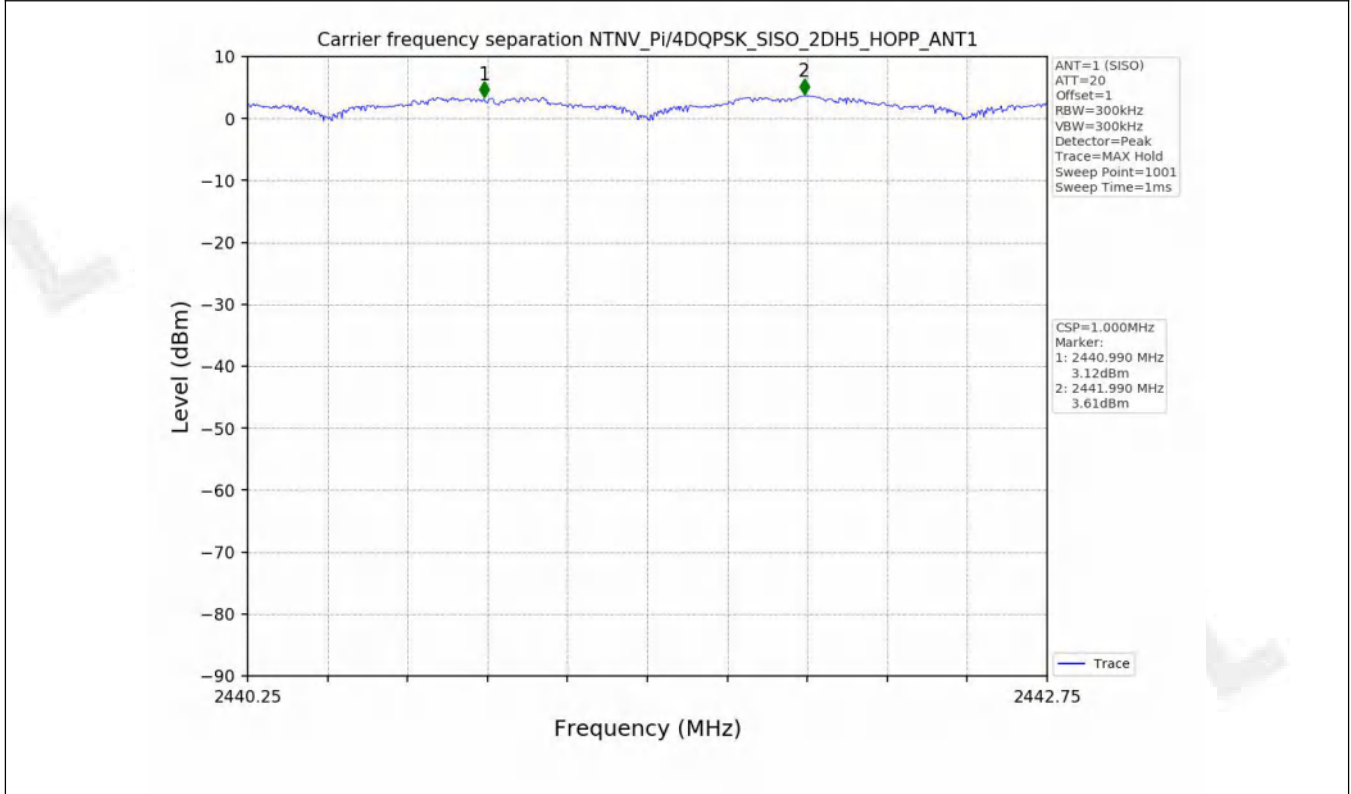
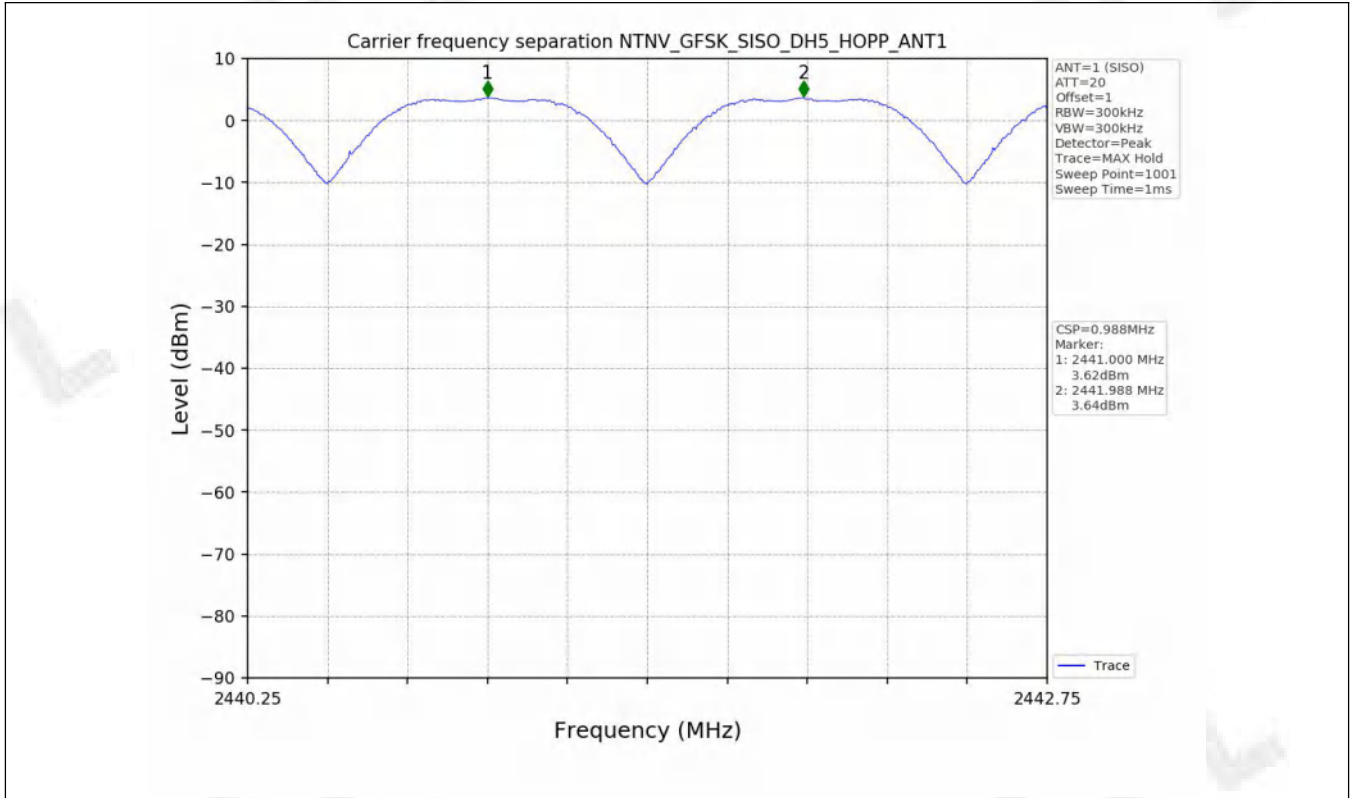


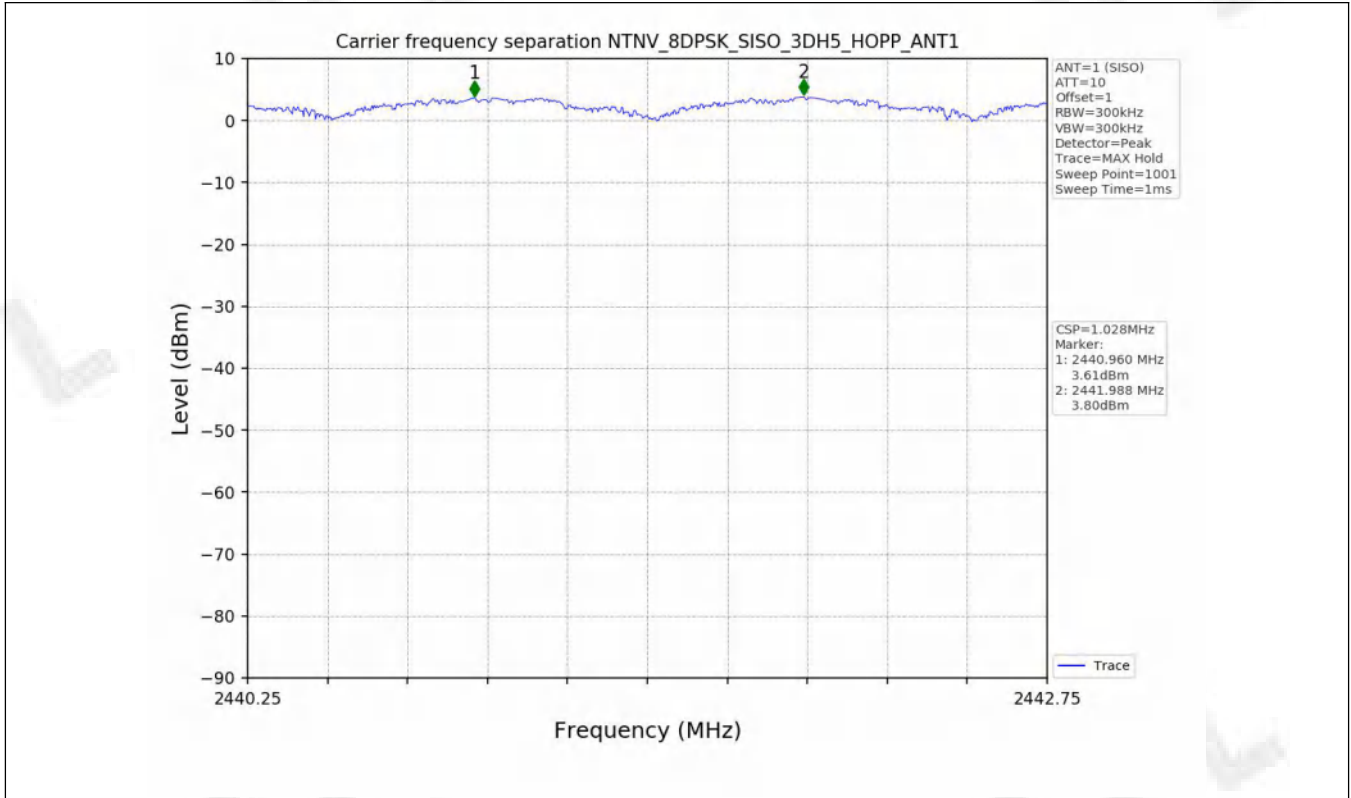
3. Carrier frequency separation

3.1 Test Result

Test Mode	TX Type	ANT No.	Channel Separation (MHz)	20dB Bandwidth (MHz)	Limits (MHz)	Verdict
GFSK	SISO	1	0.988	0.944	≥0.944	PASS
π/4DQPSK	SISO	1	1.000	1.270	≥0.847	PASS
8DPSK	SISO	1	1.028	1.276	≥0.851	PASS

3.2 Test Graph



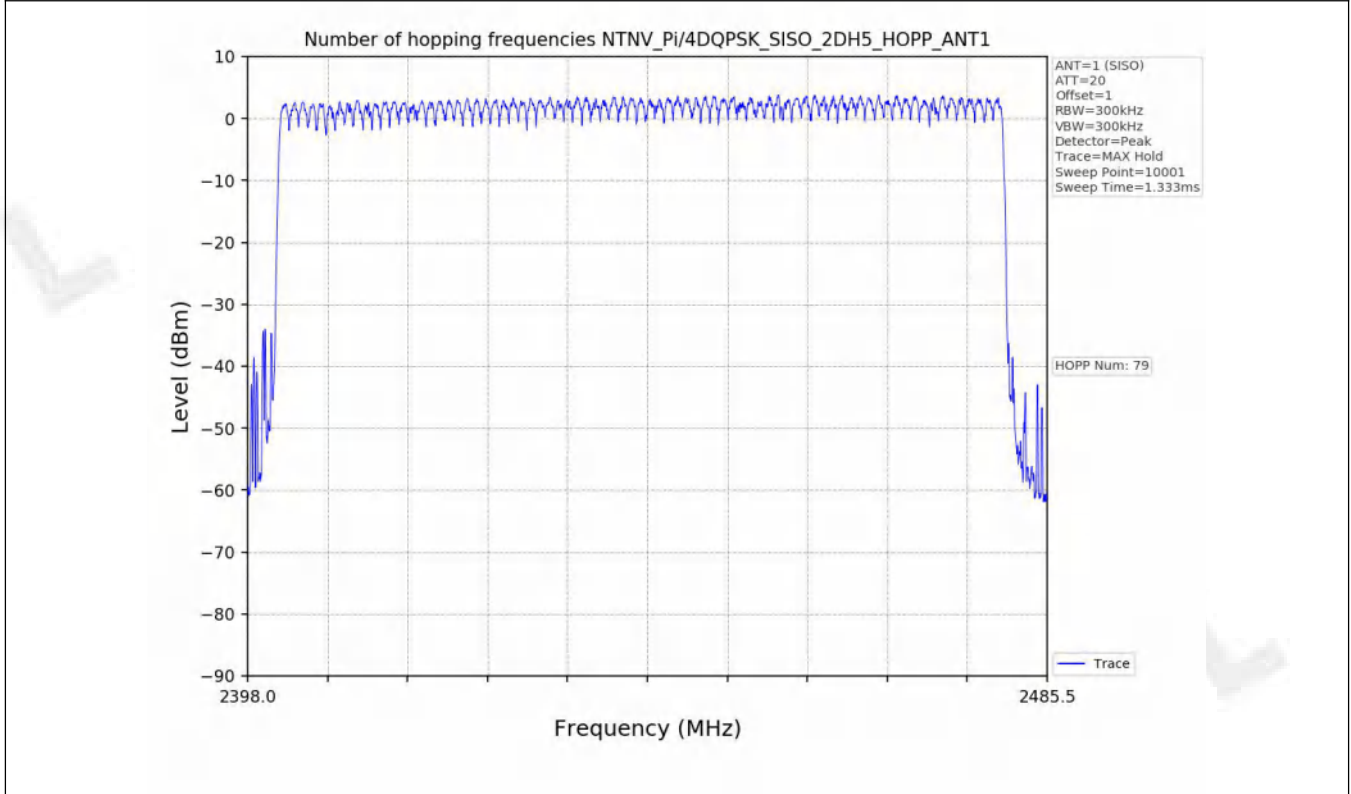
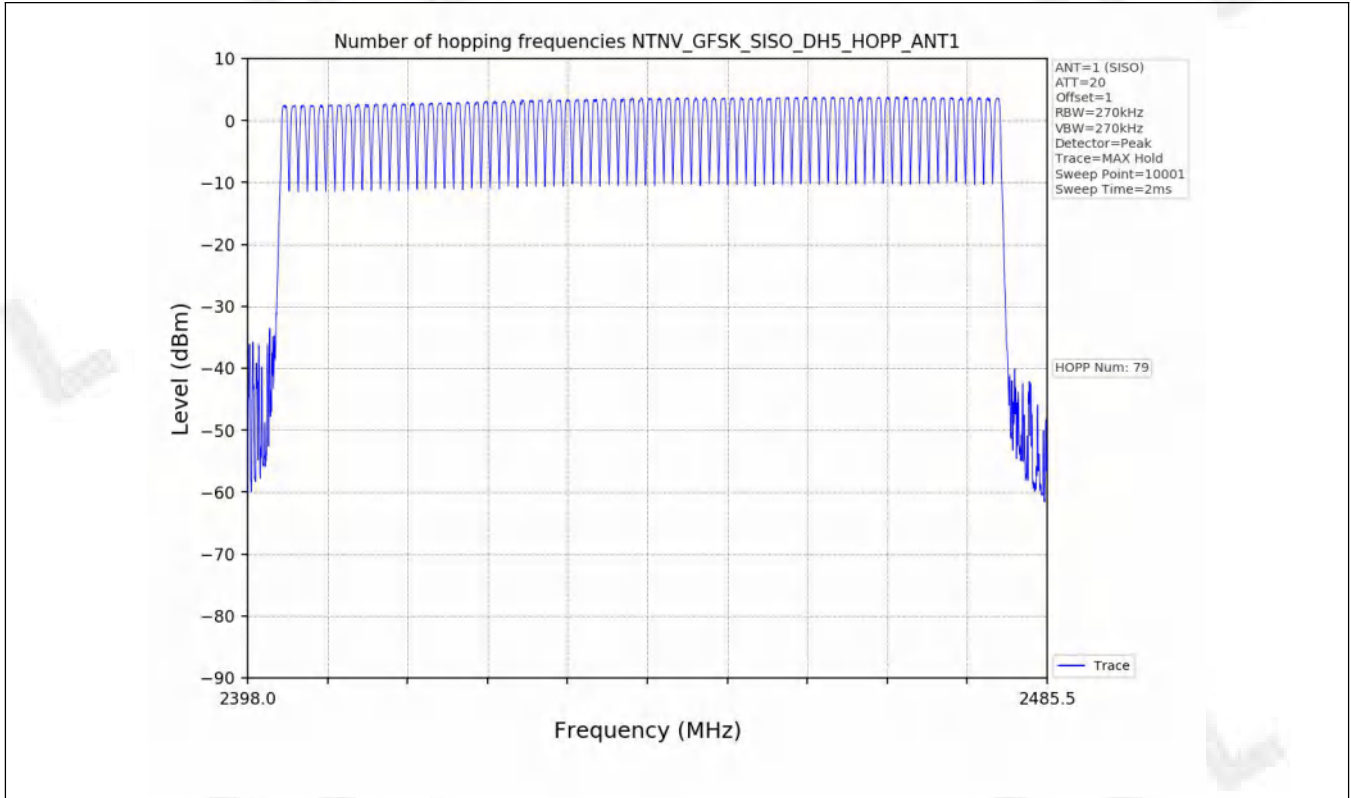


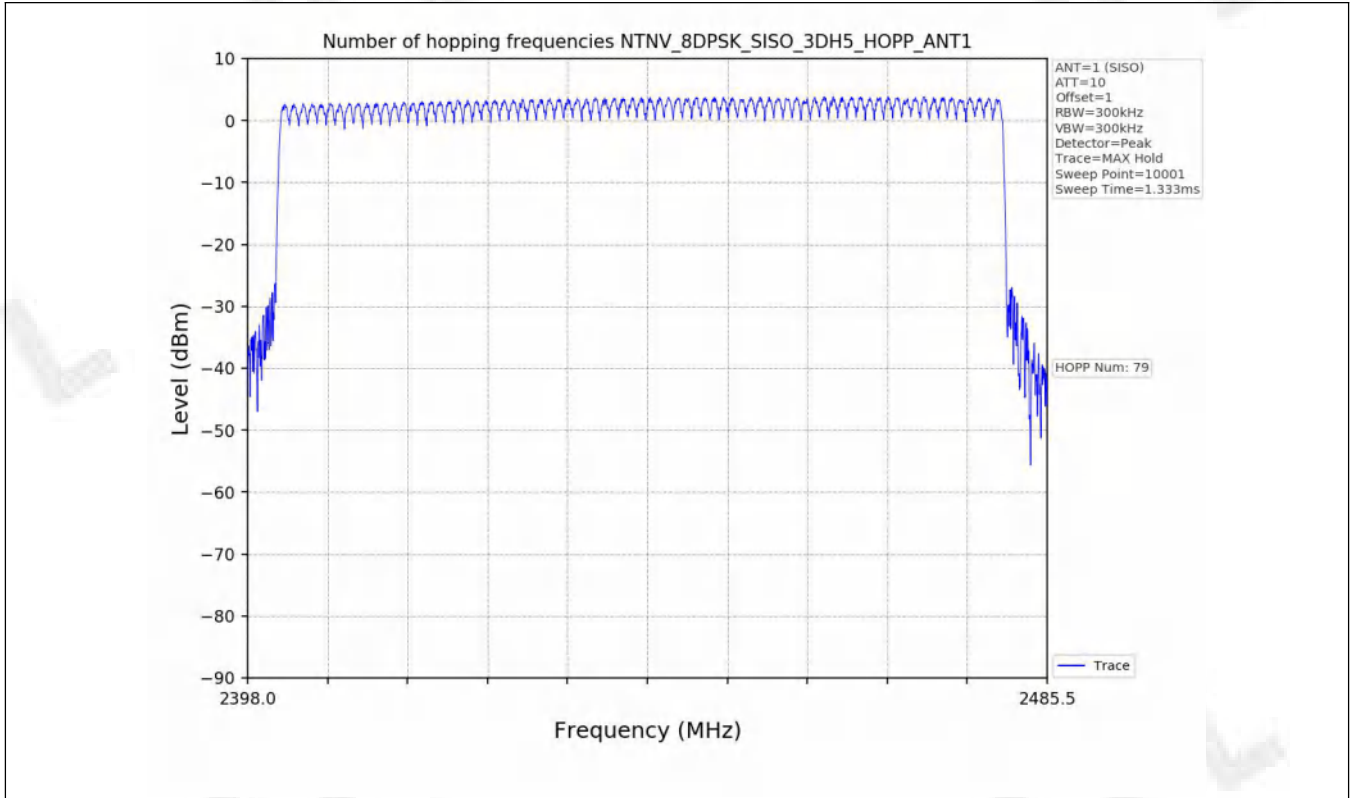
4. Number of hopping frequencies

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



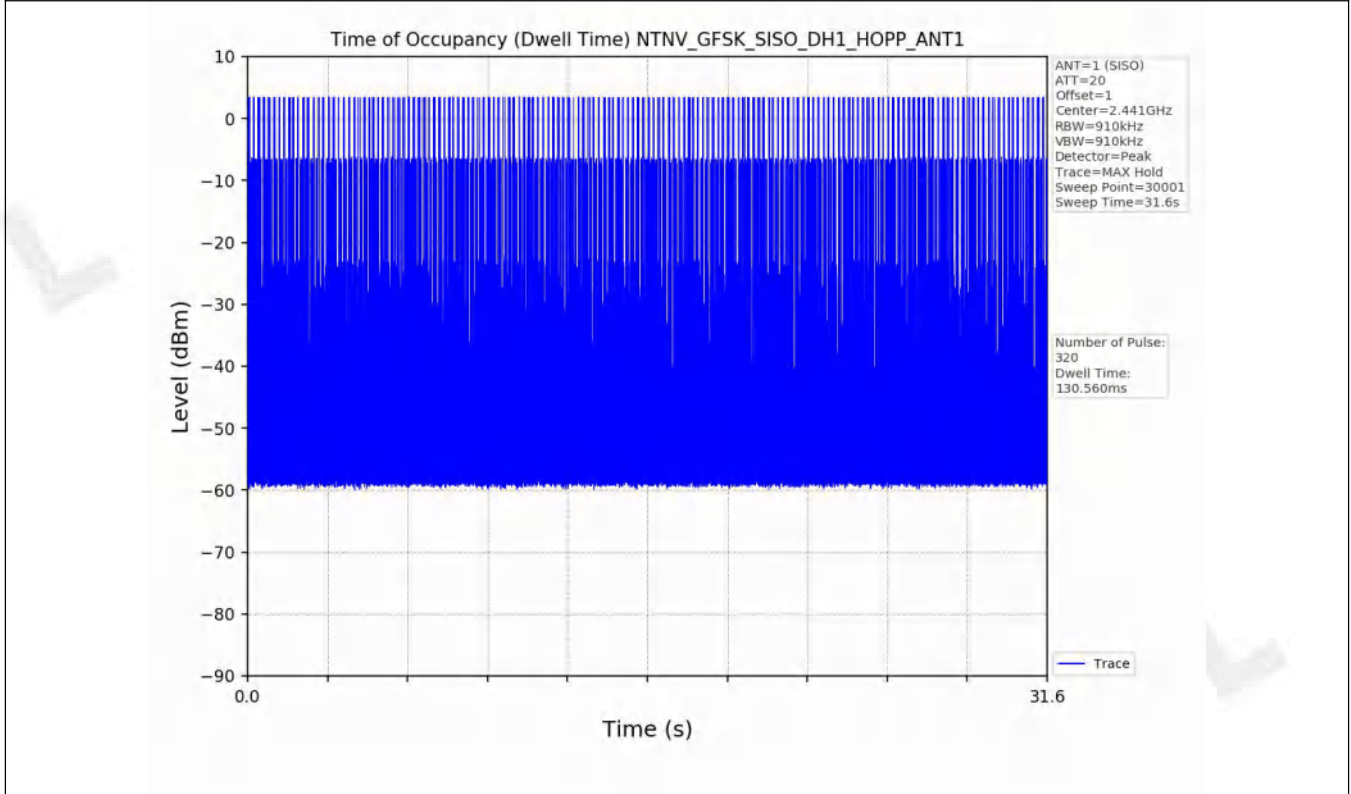
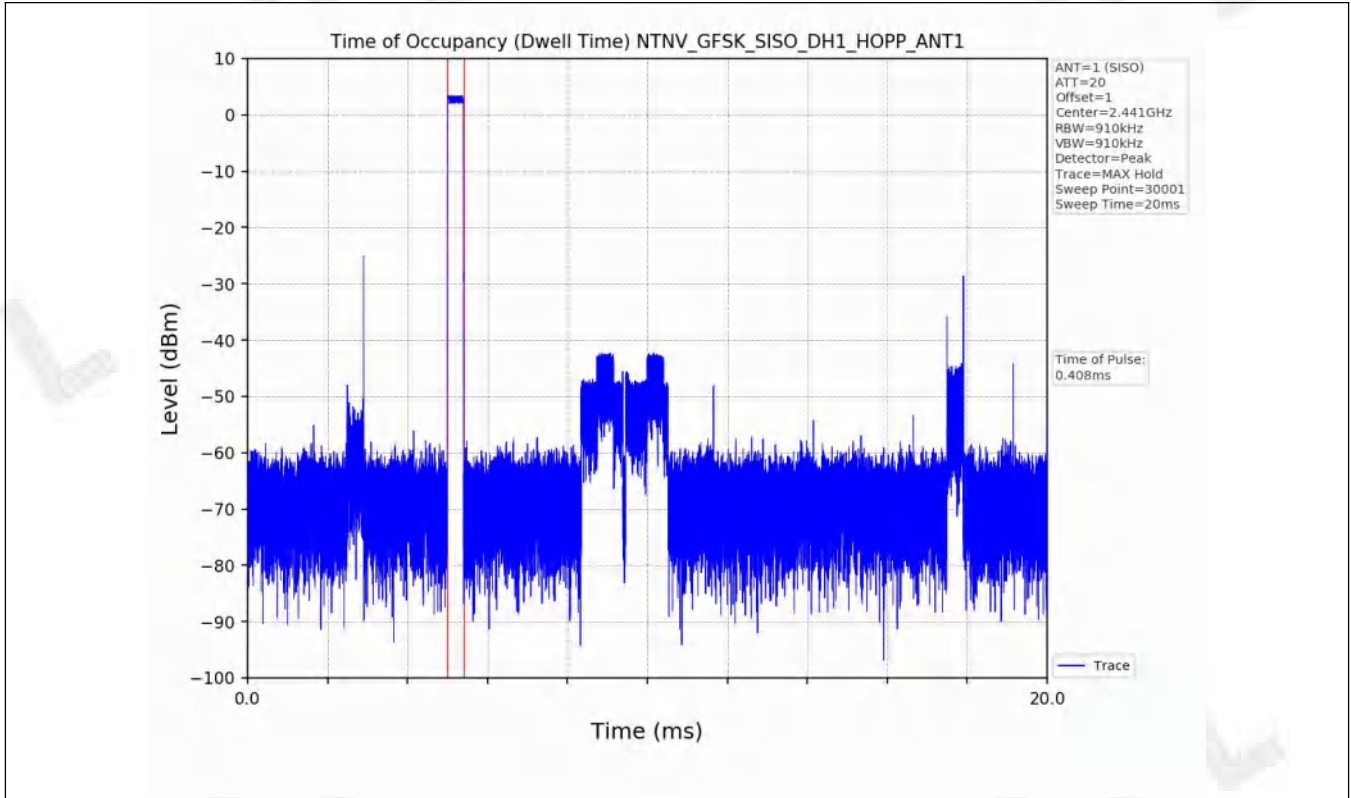


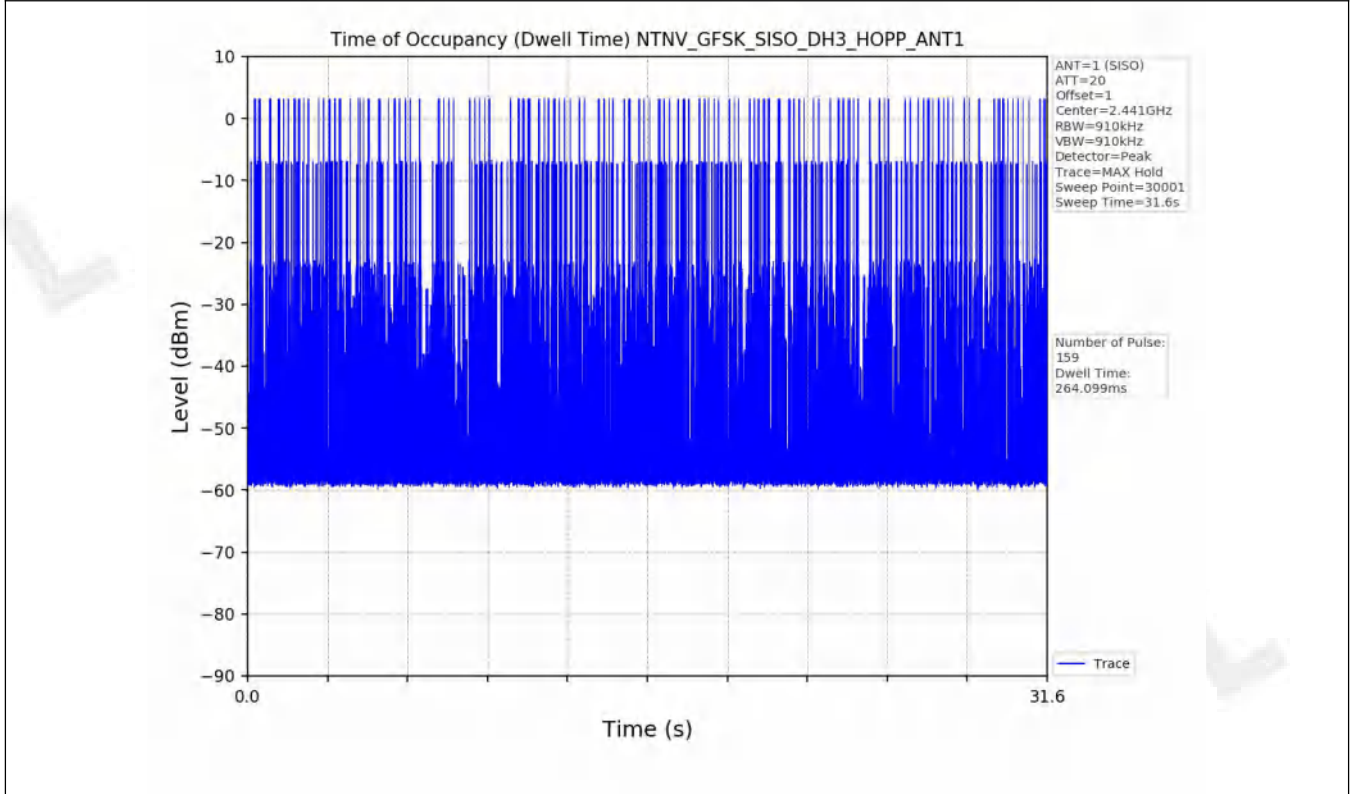
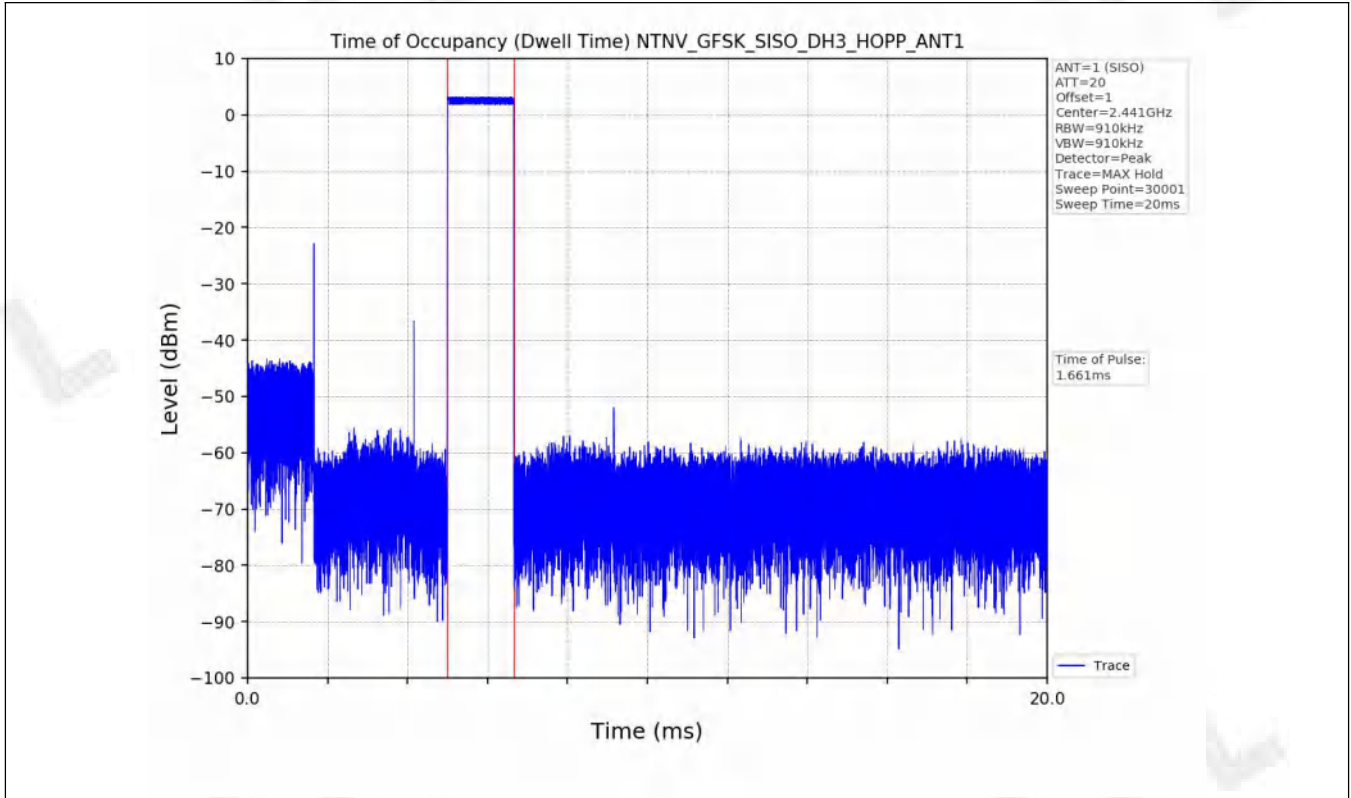
5. Time of Occupancy (Dwell Time)

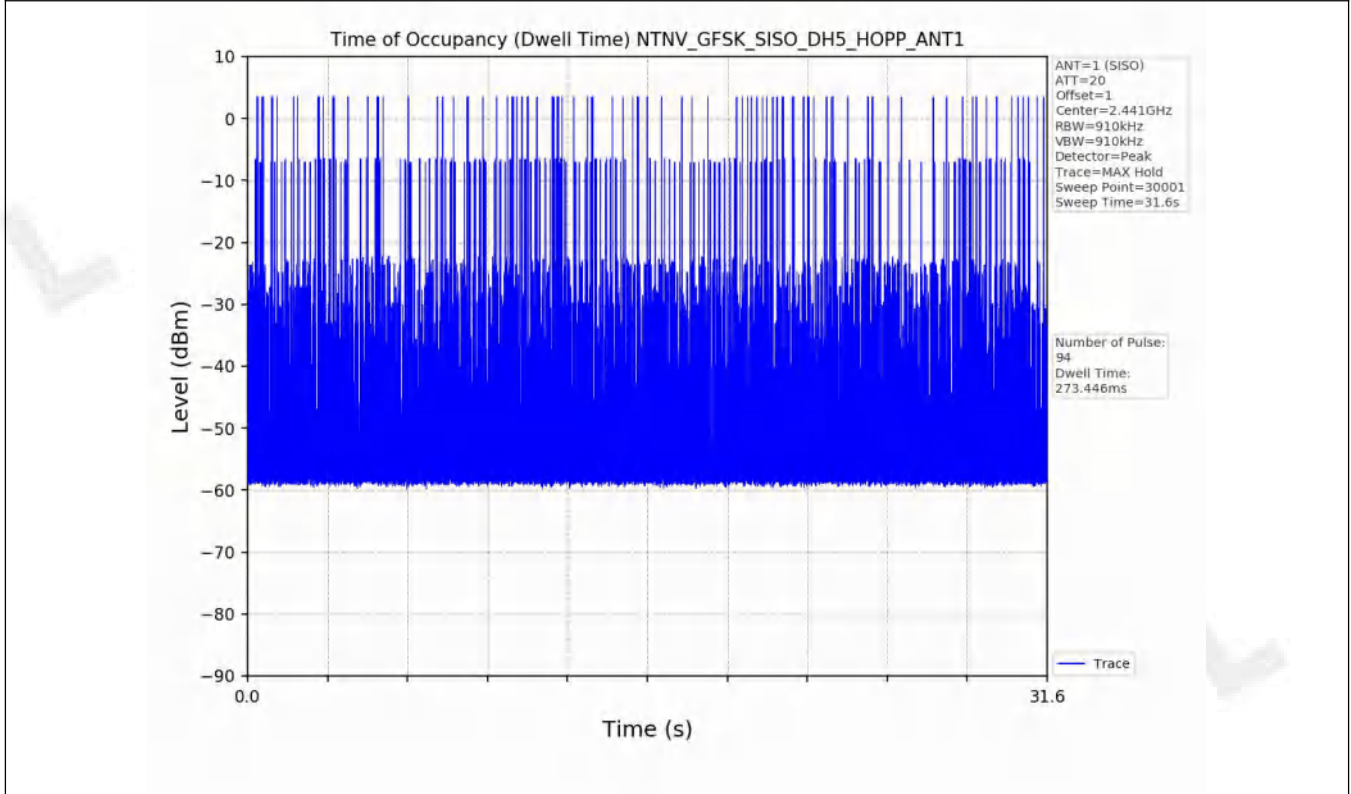
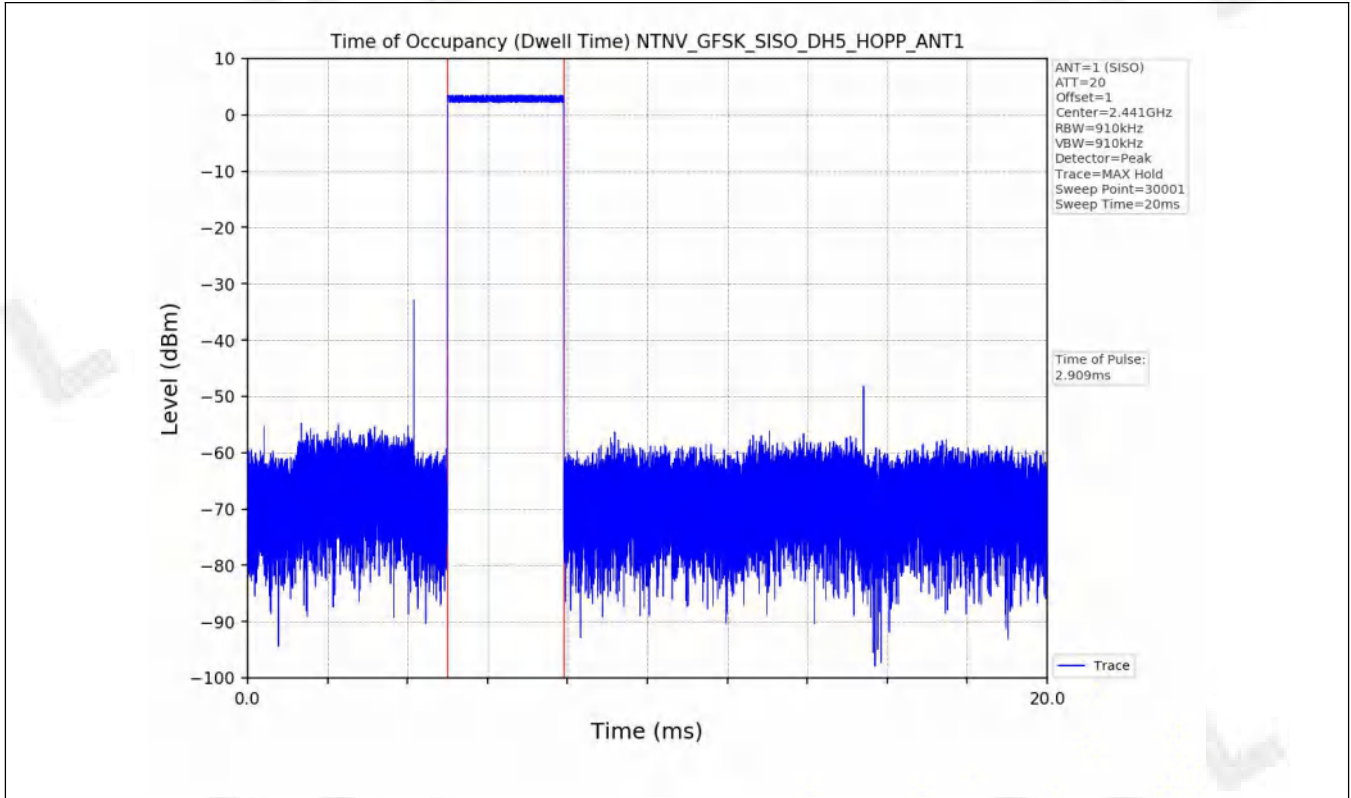
5.1 Test Result

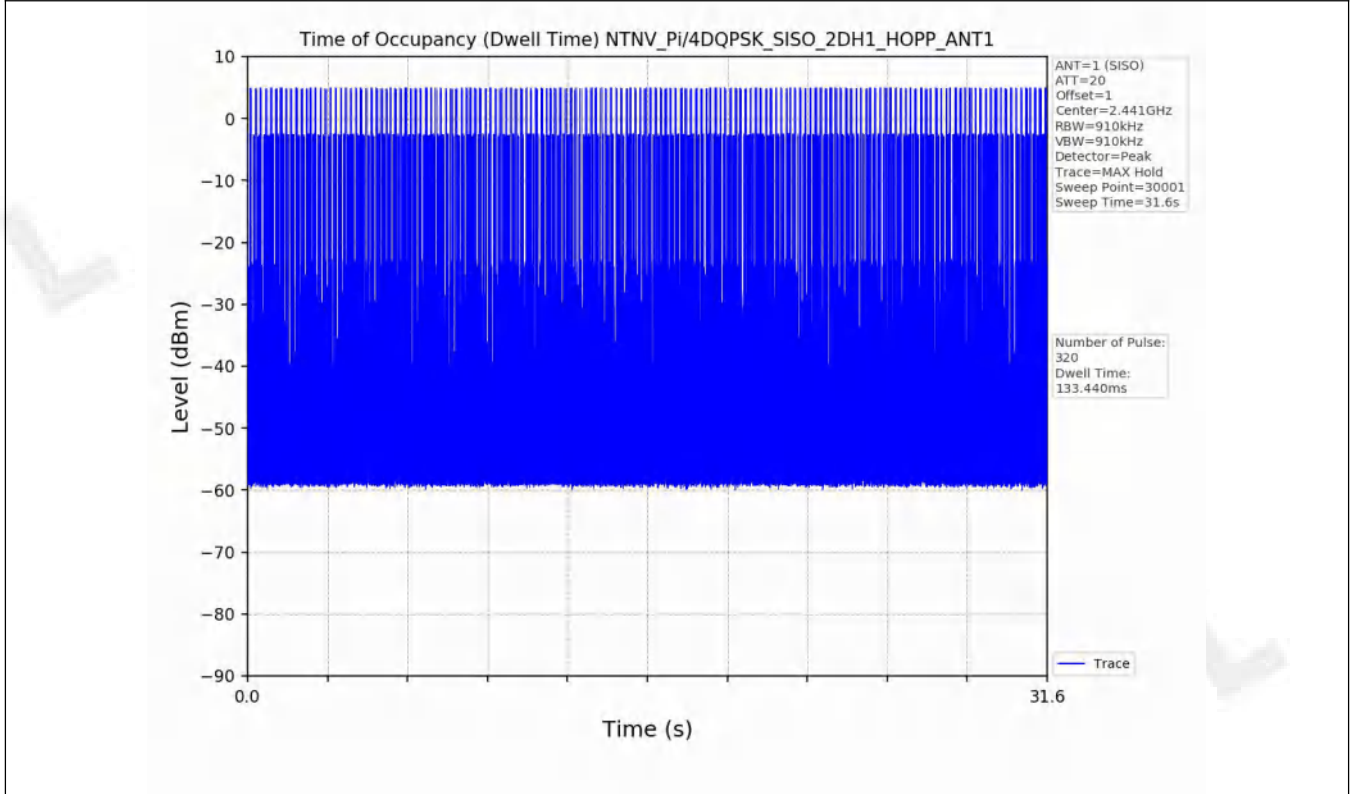
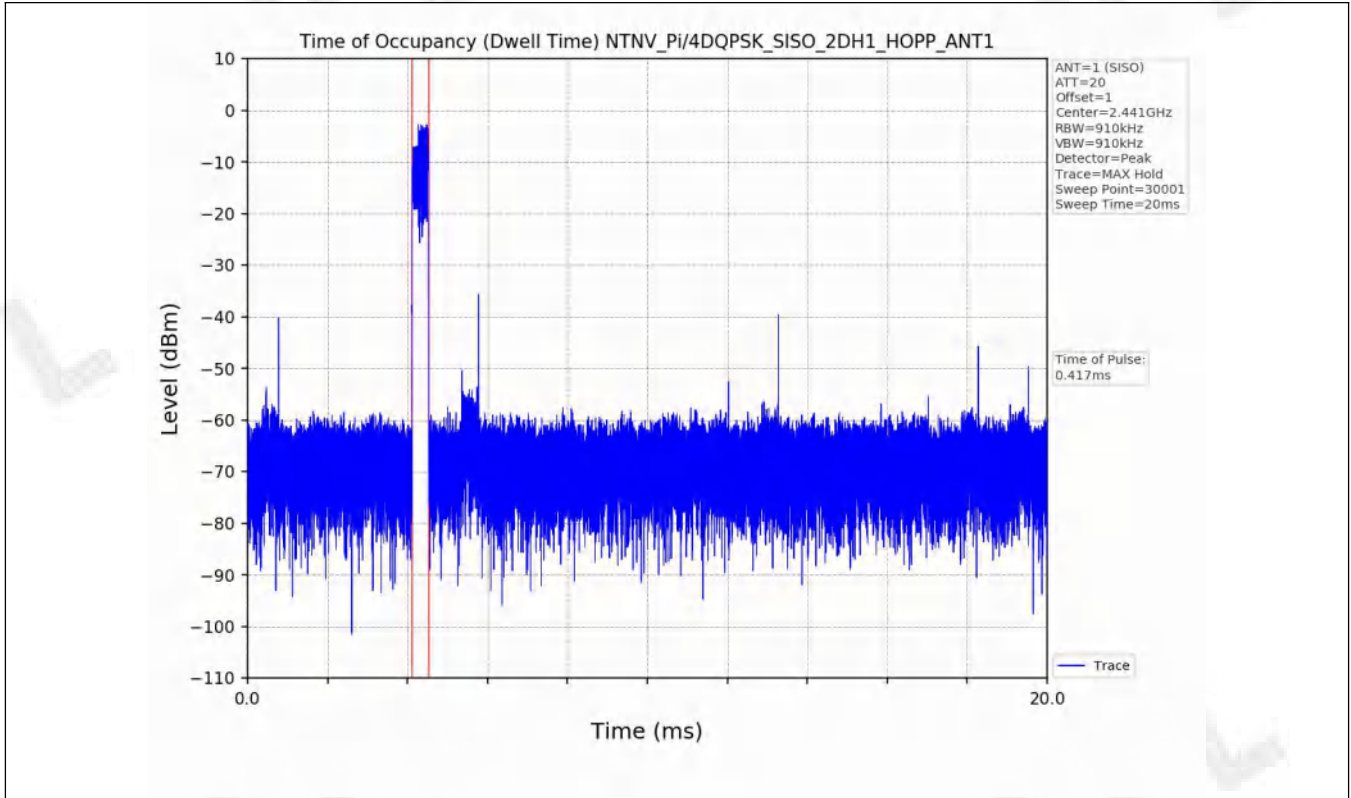
Test Mode	Packet Type	TX Type	ANT No.	Duration of Single Pulse (ms)	Observation Period (s)	Num of Pulse in Observation Period	Dwell Time (ms)	Limits (ms)	Verdict
GFSK	DH1	SISO	1	0.408	31.6	320	130.560	≤400	PASS
	DH3	SISO	1	1.661	31.6	159	264.099	≤400	PASS
	DH5	SISO	1	2.909	31.6	94	273.446	≤400	PASS
Pi/4DQPSK	2DH1	SISO	1	0.417	31.6	320	133.440	≤400	PASS
	2DH3	SISO	1	1.668	31.6	160	266.880	≤400	PASS
	2DH5	SISO	1	2.916	31.6	111	323.676	≤400	PASS
8DPSK	3DH1	SISO	1	0.422	31.6	320	135.040	≤400	PASS
	3DH3	SISO	1	0.413	31.6	153	63.189	≤400	PASS
	3DH5	SISO	1	2.917	31.6	104	303.368	≤400	PASS

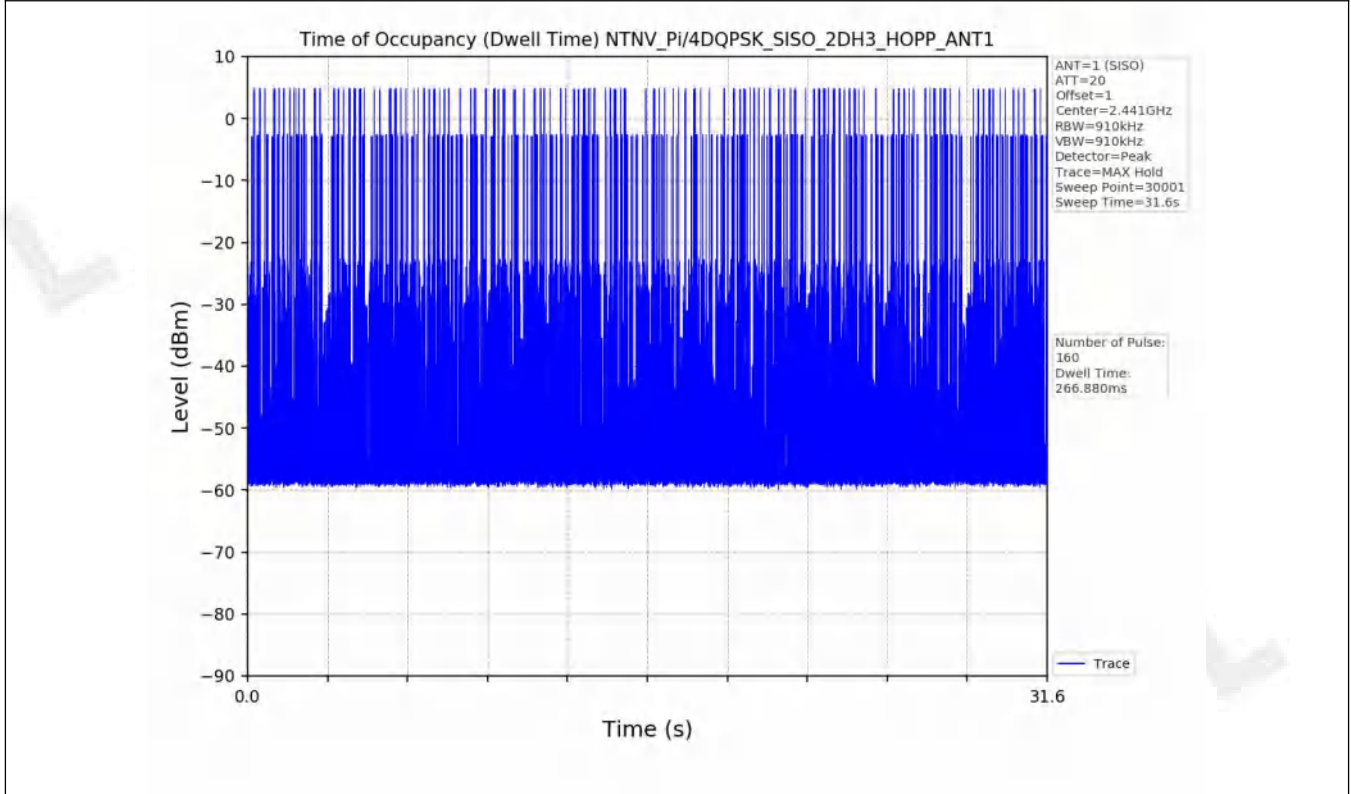
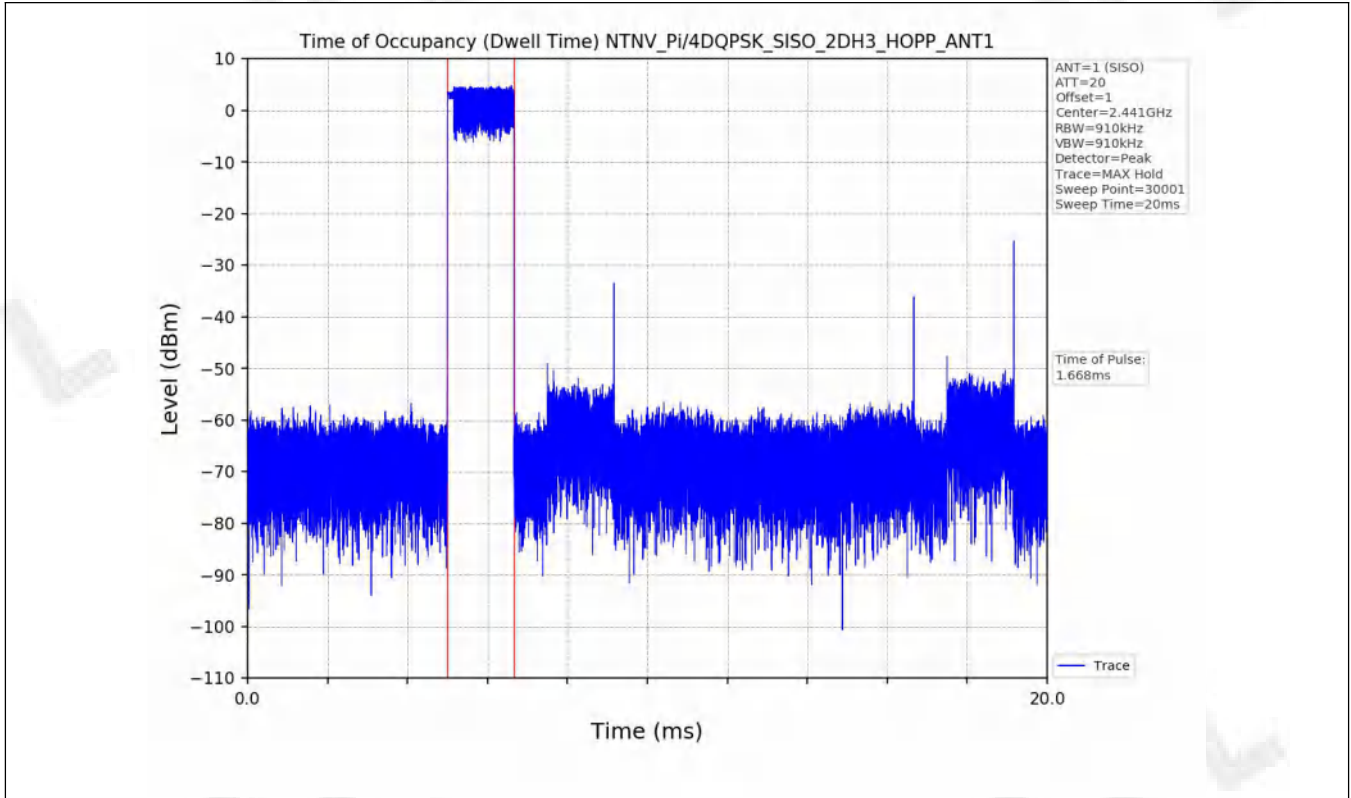
5.2 Test Graph

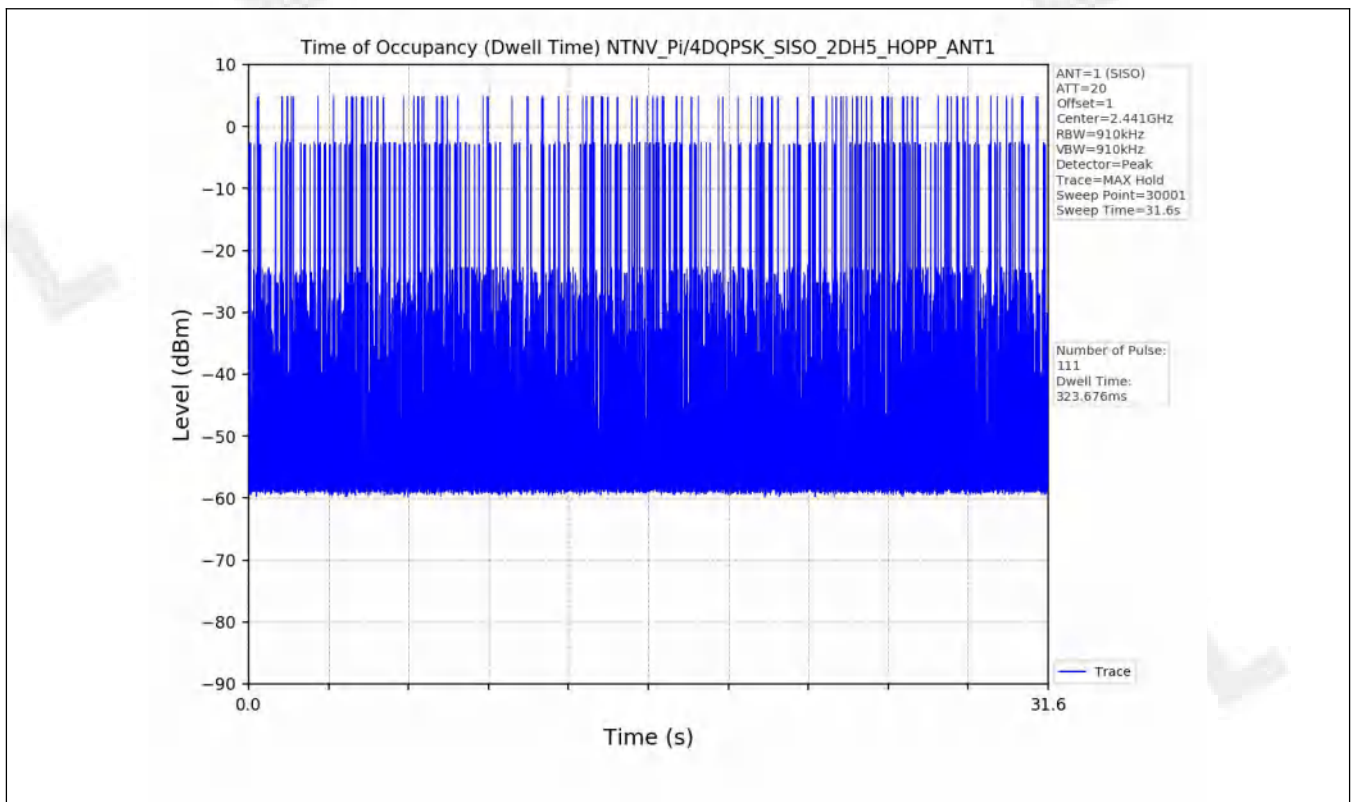
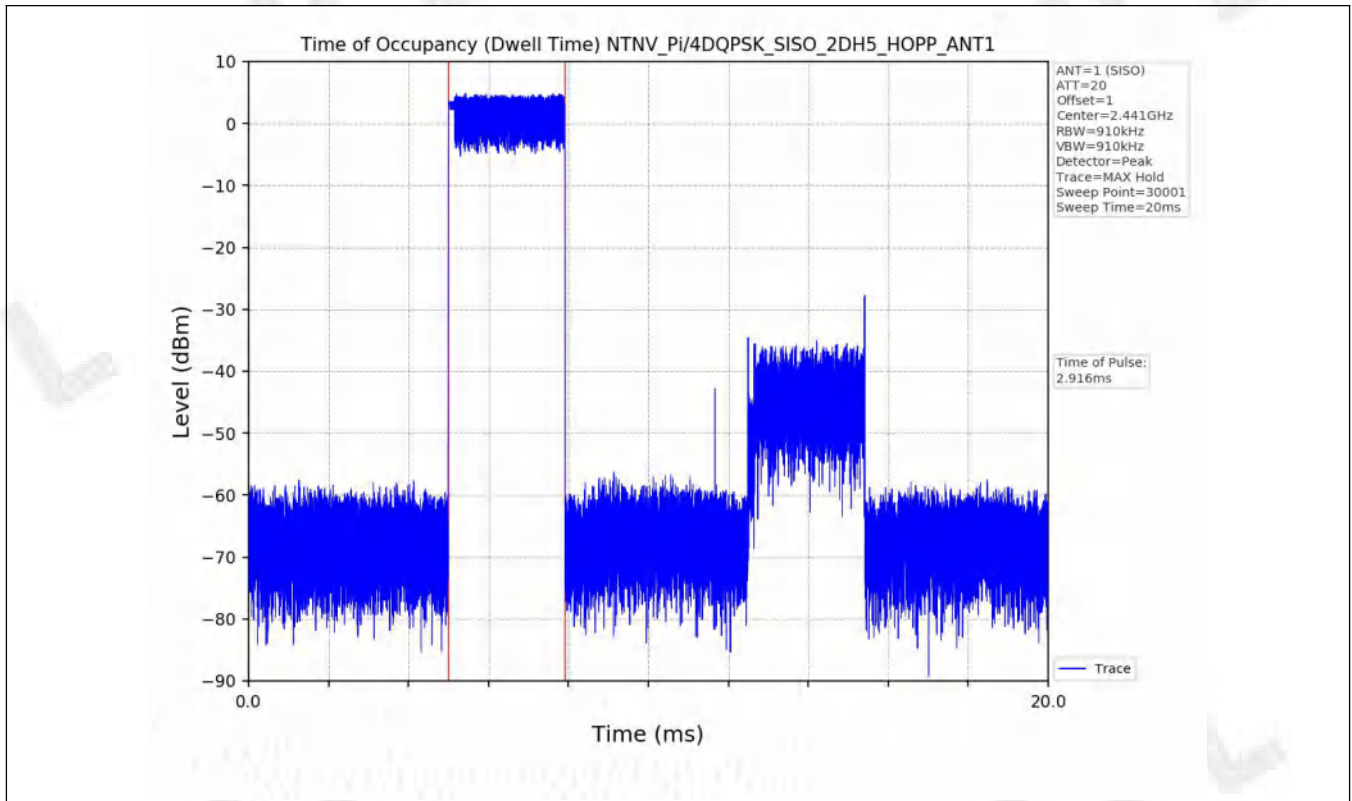


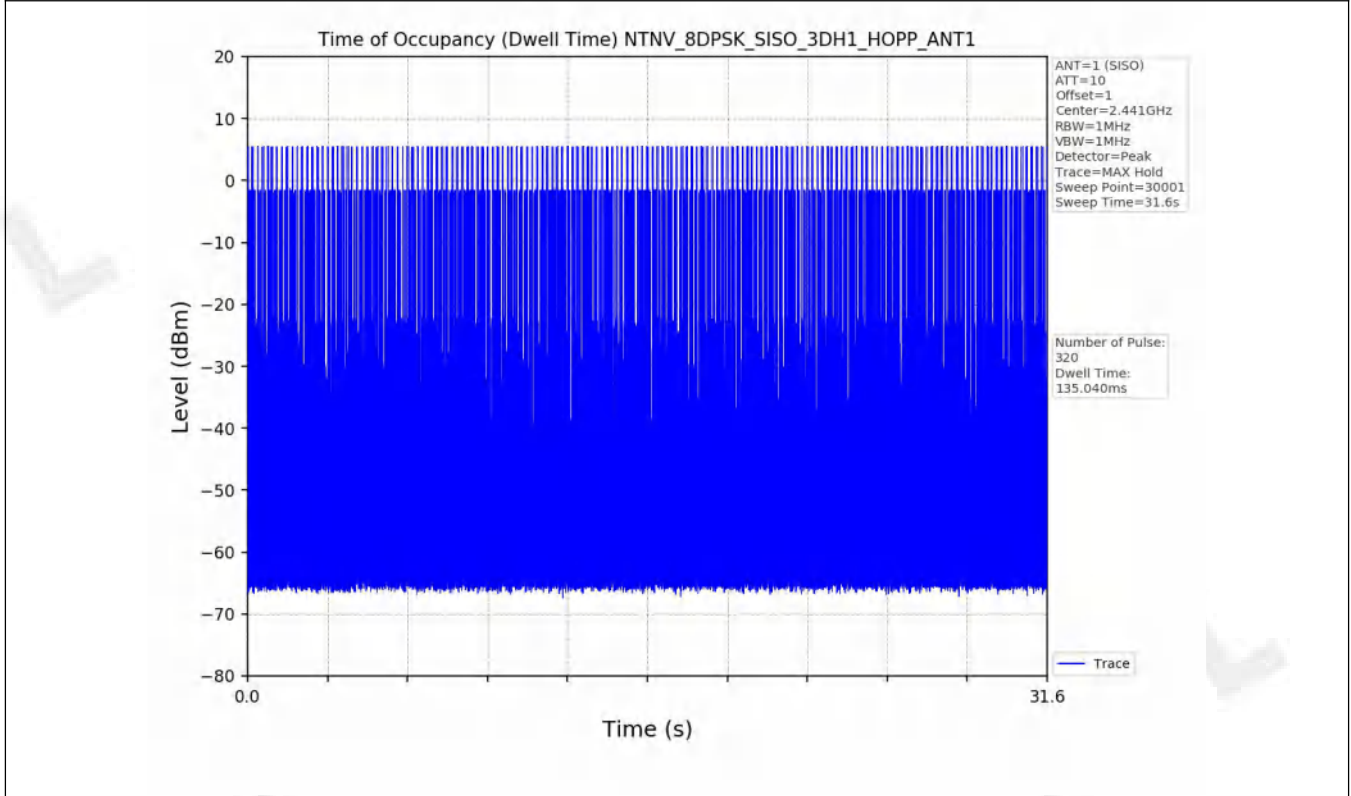
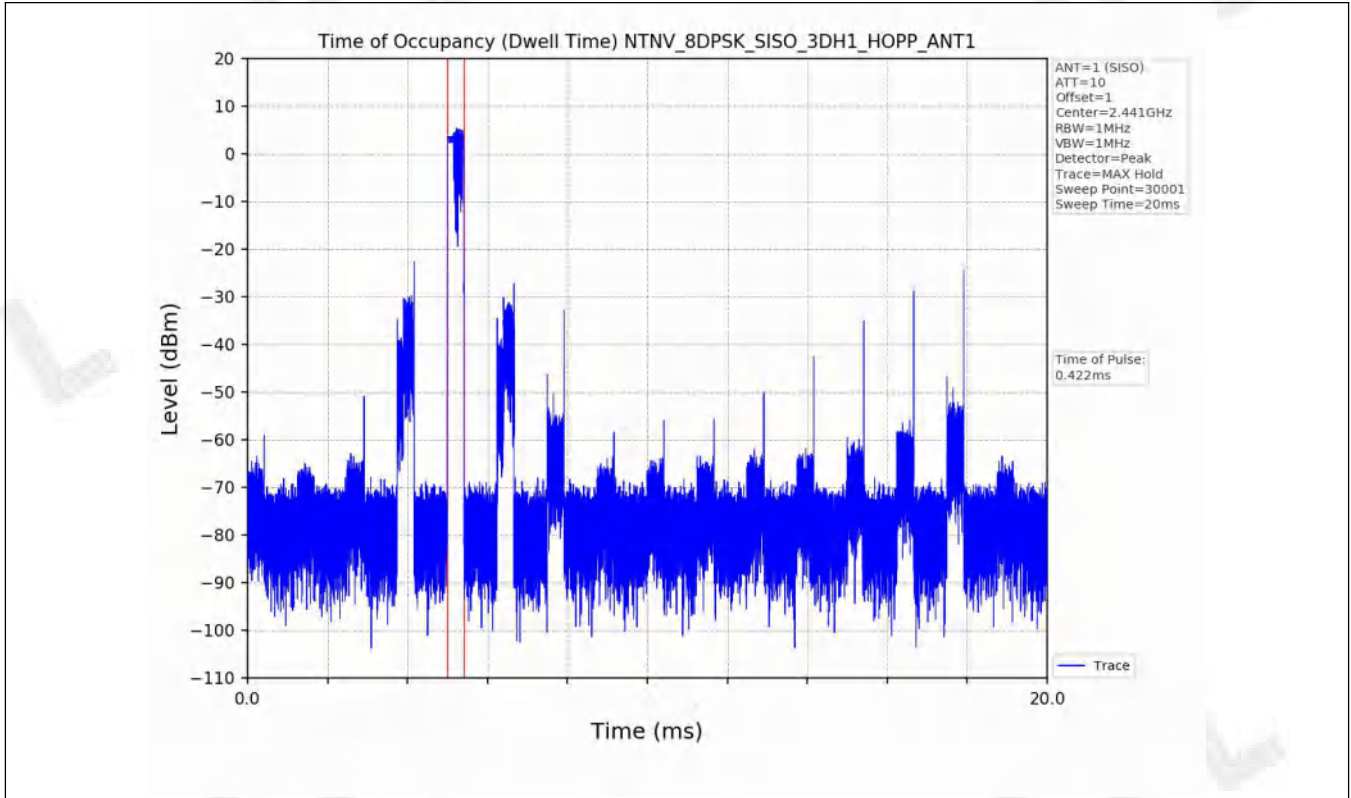


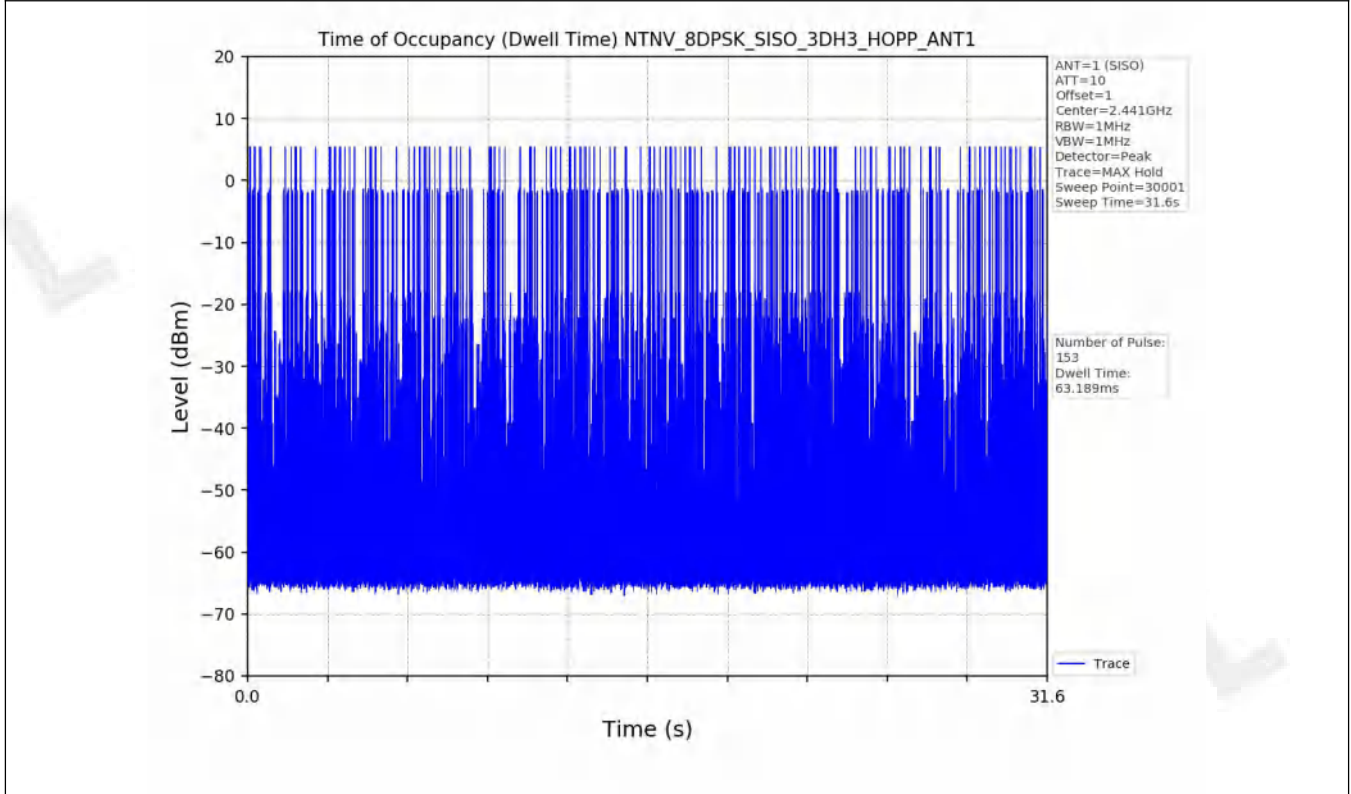
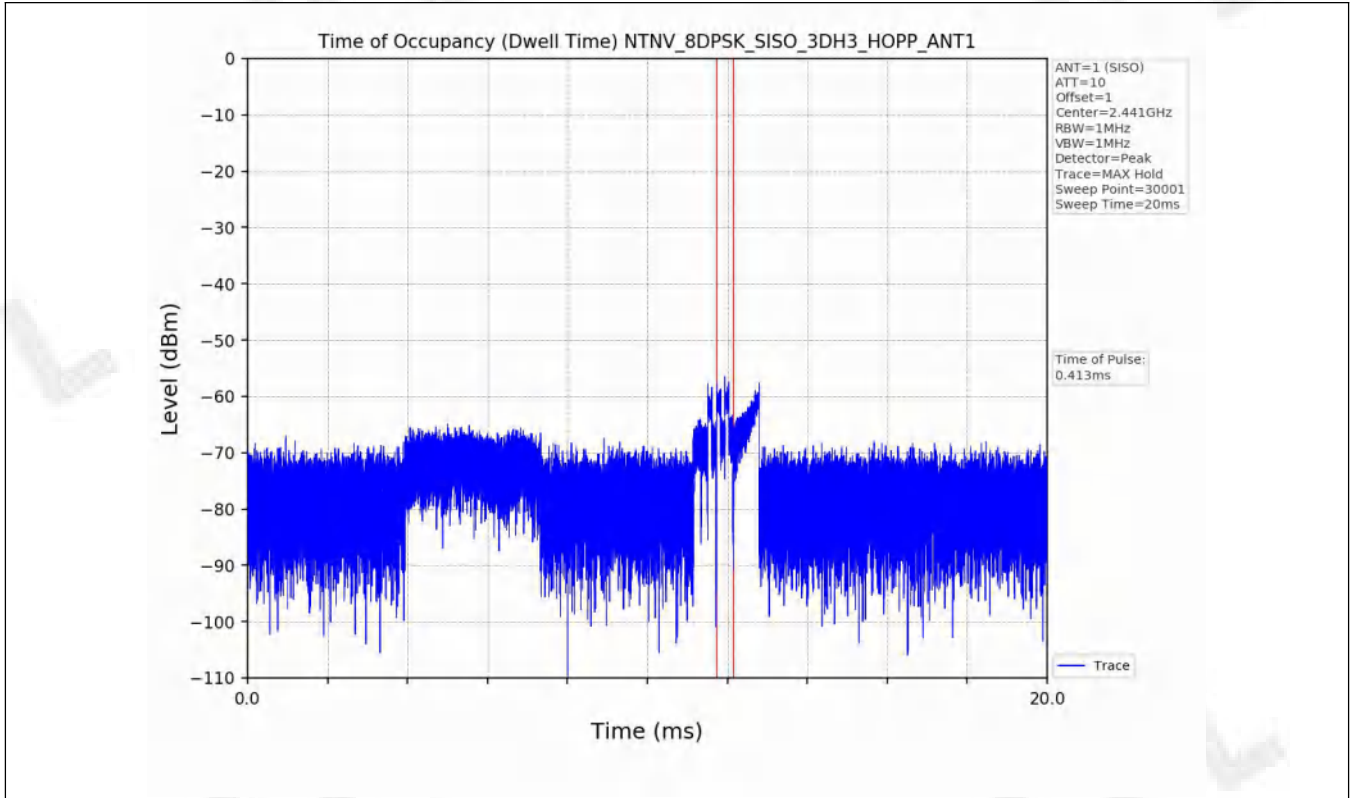


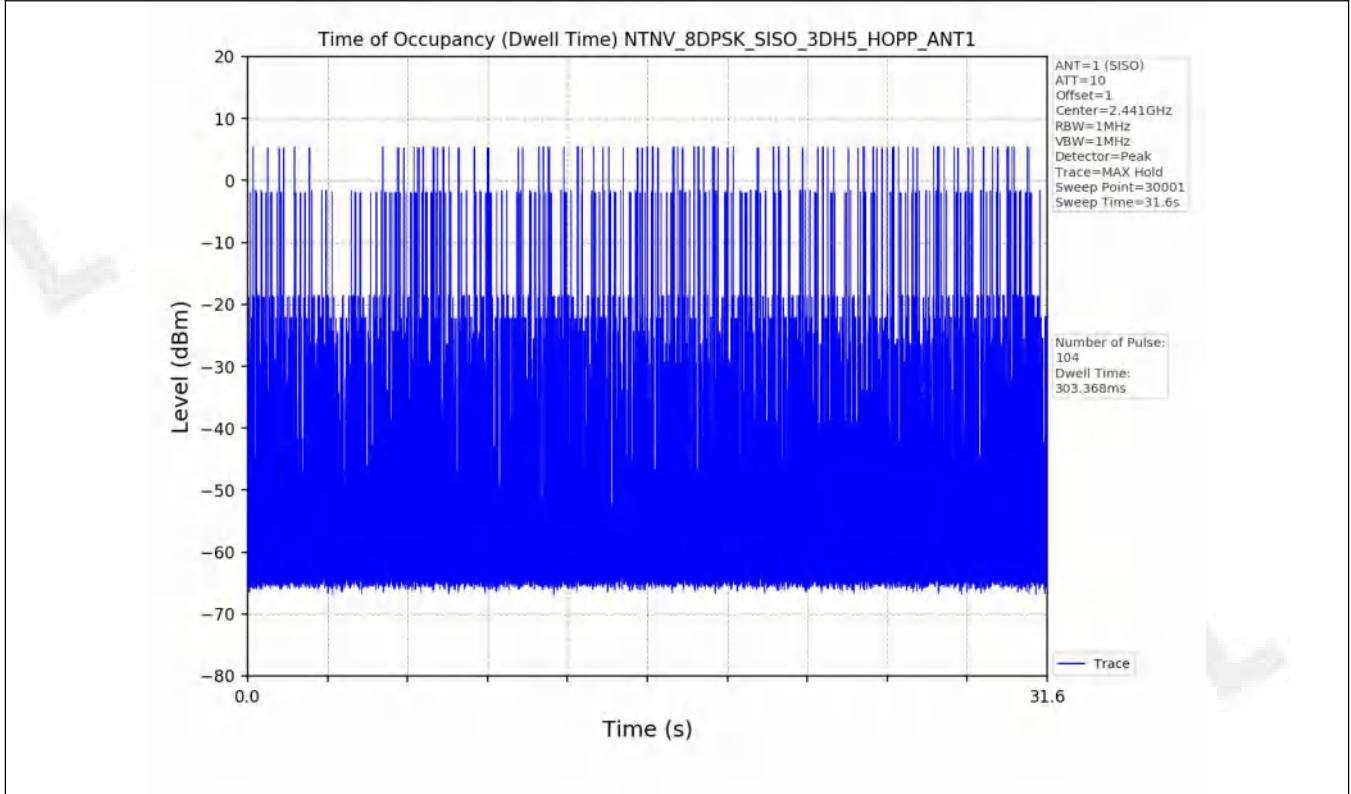
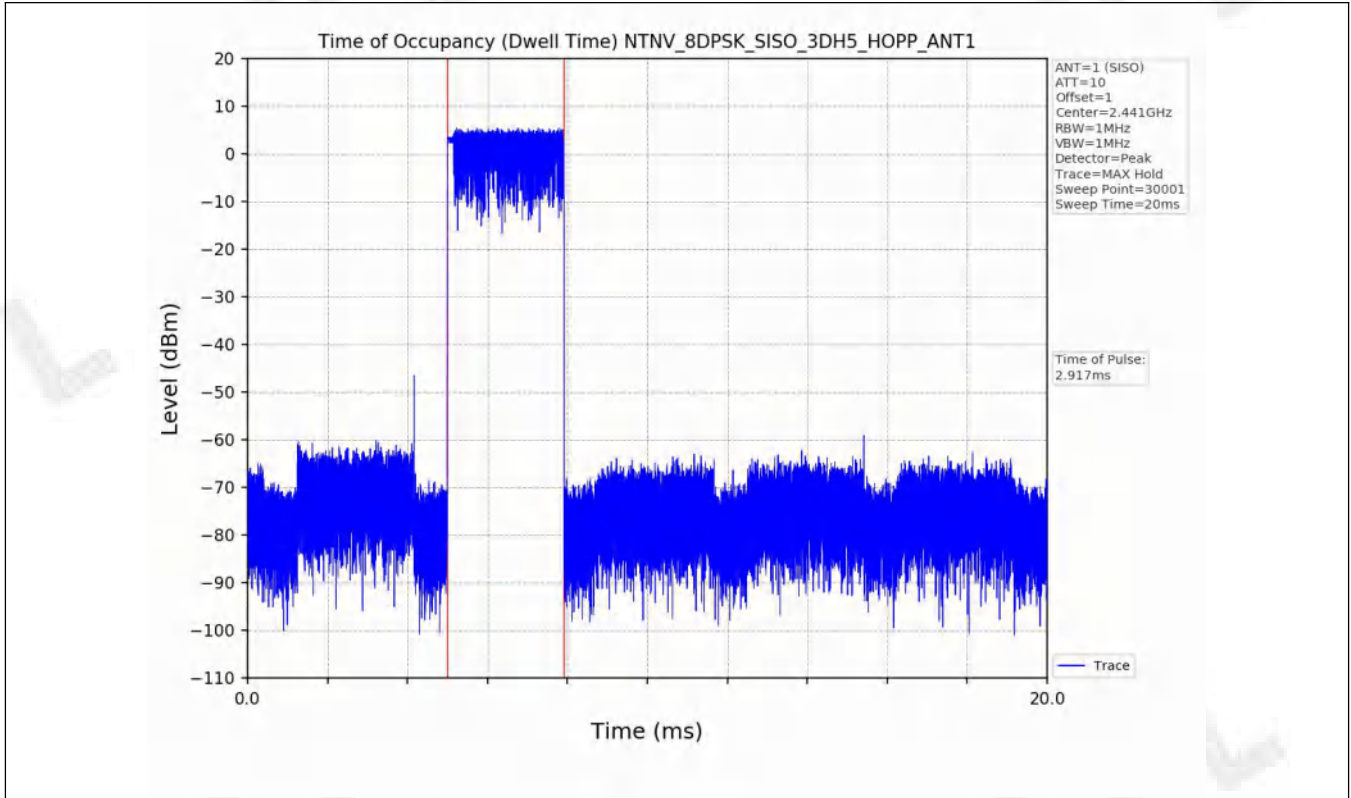










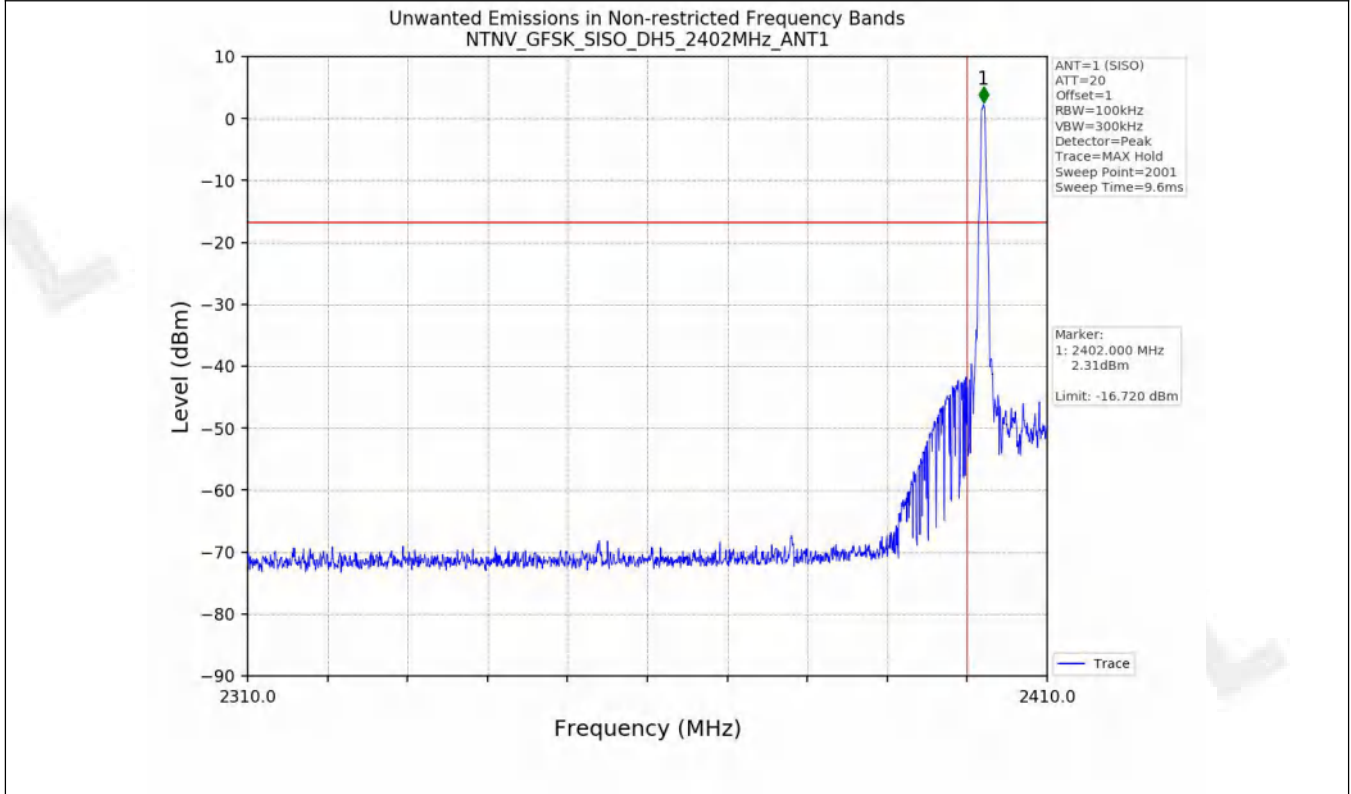
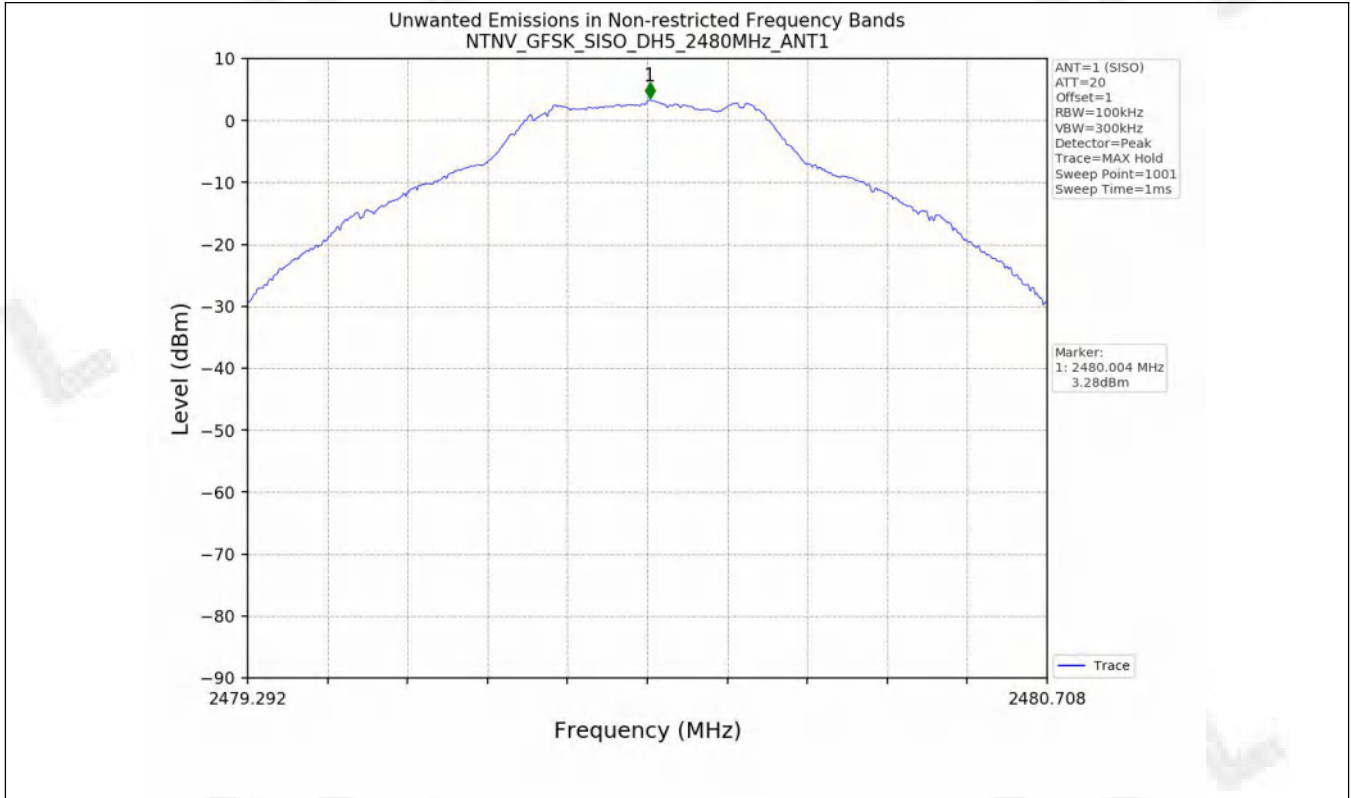


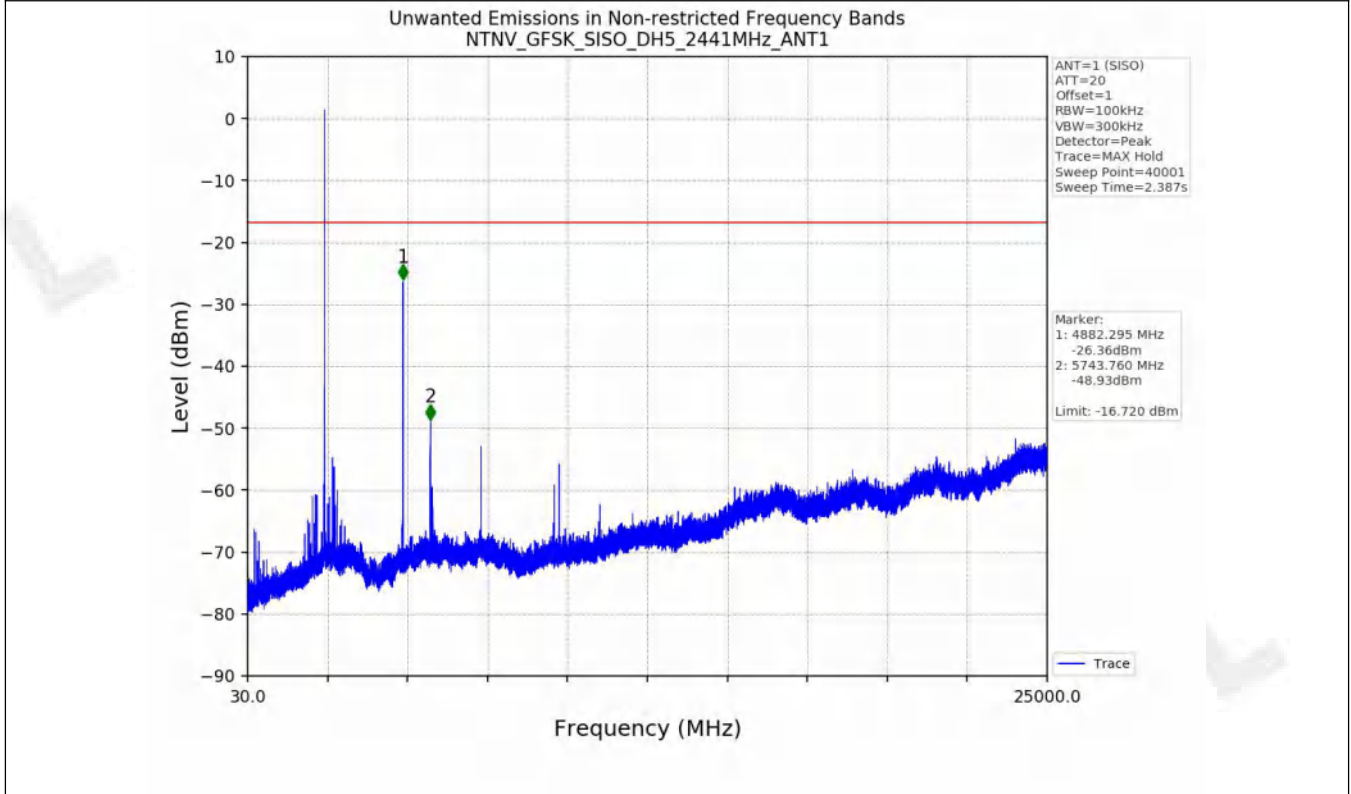
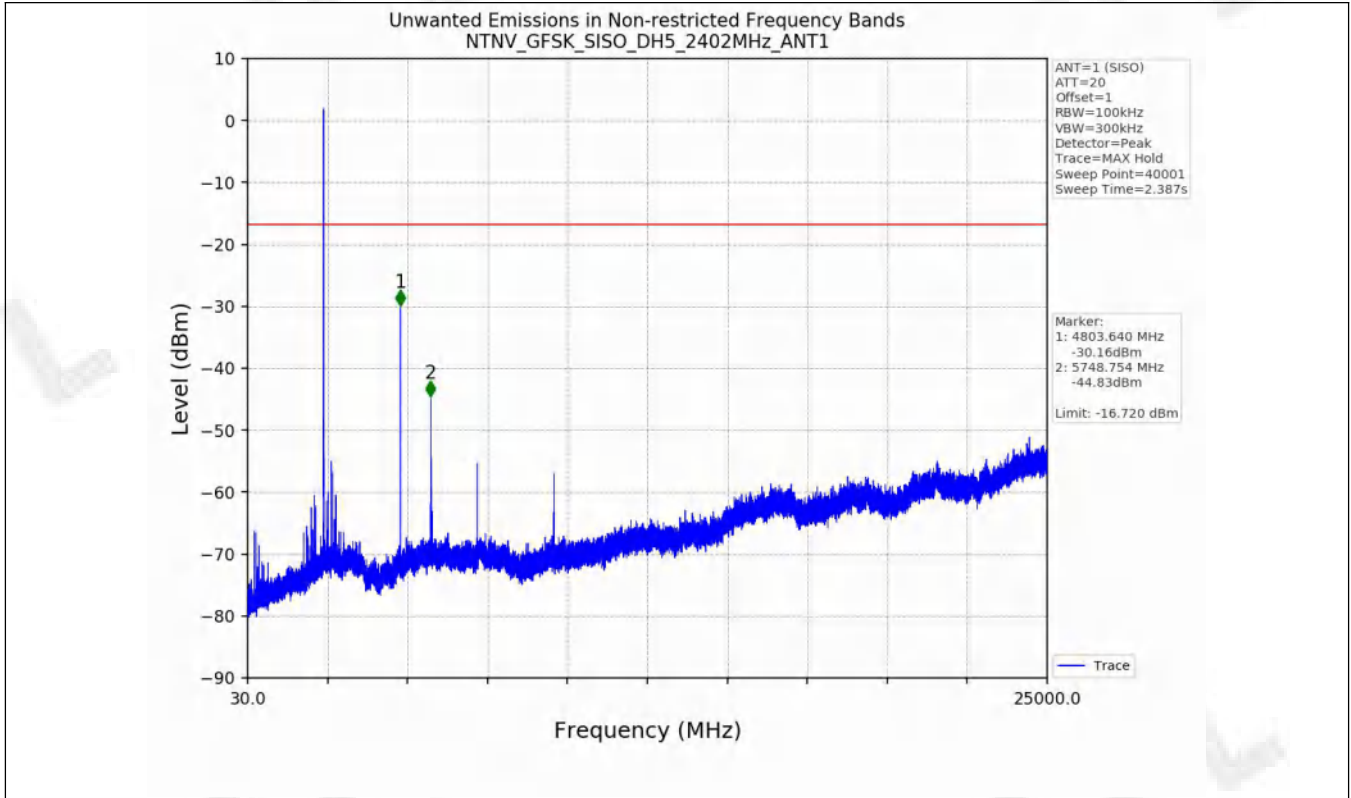
6. Unwanted Emissions in Non-restricted Frequency Bands

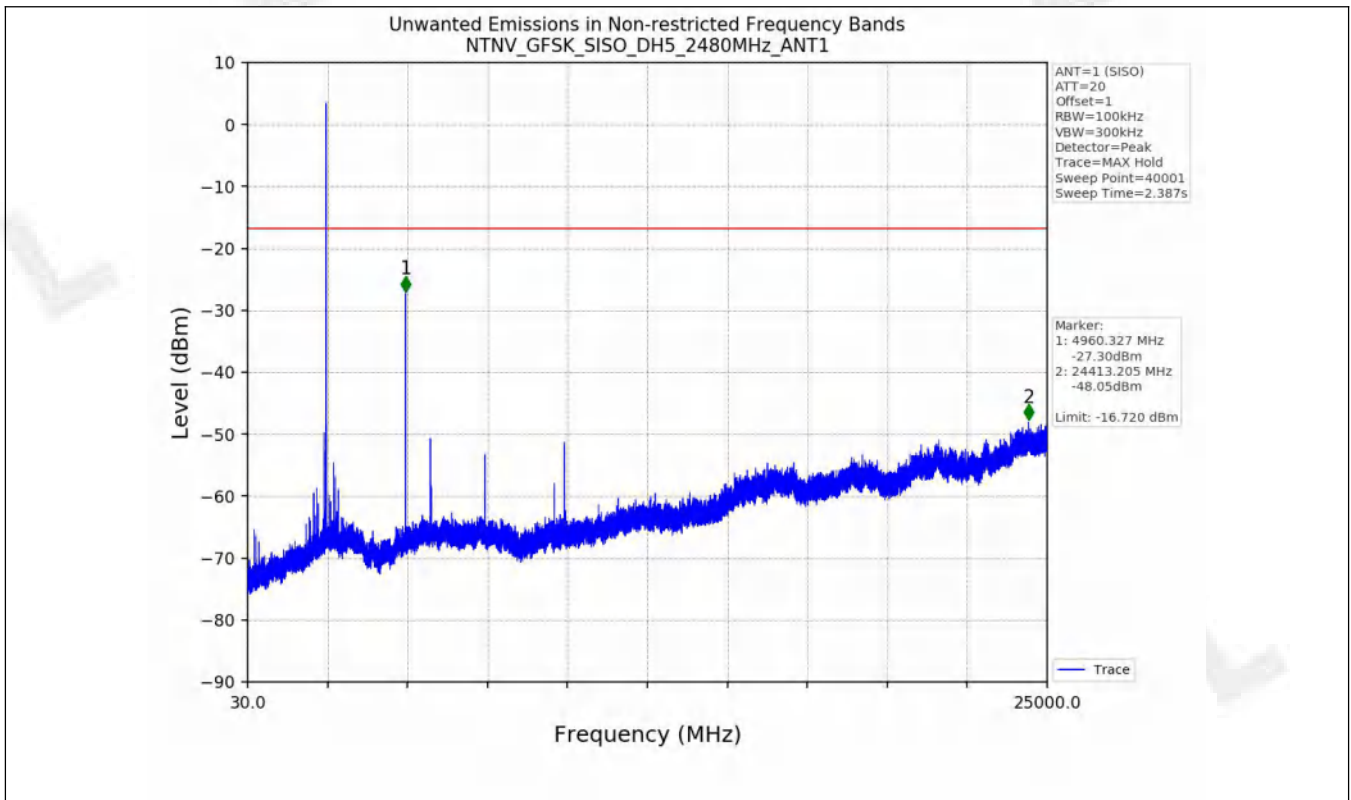
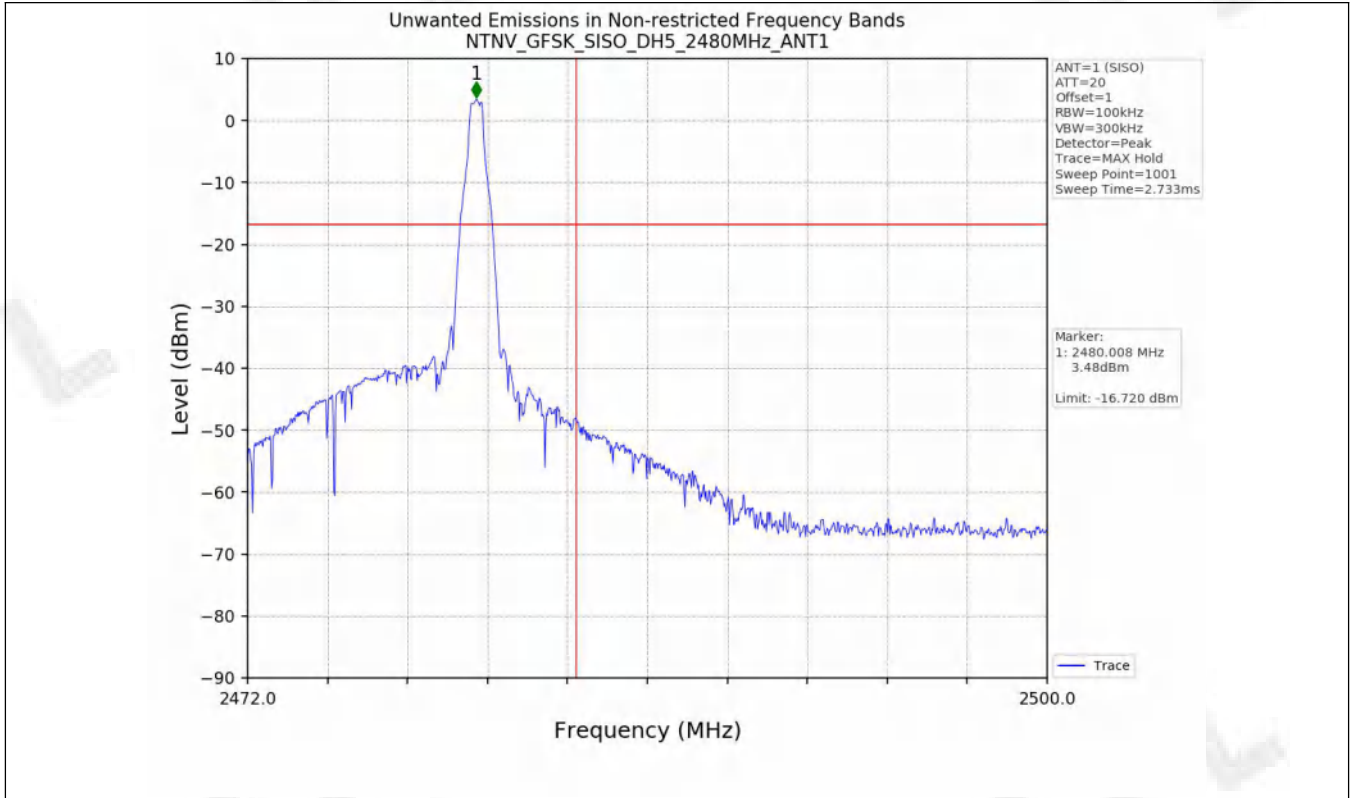
6.1 Test Result

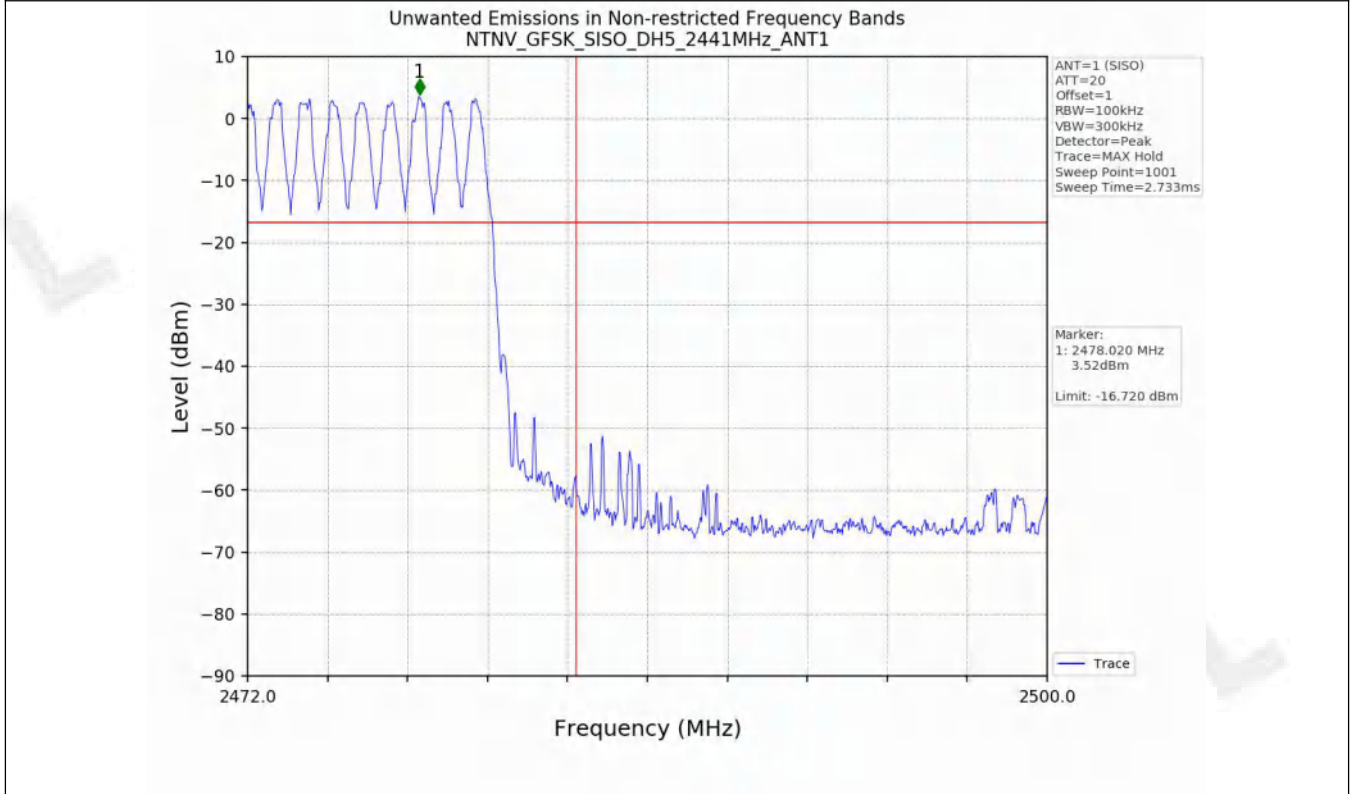
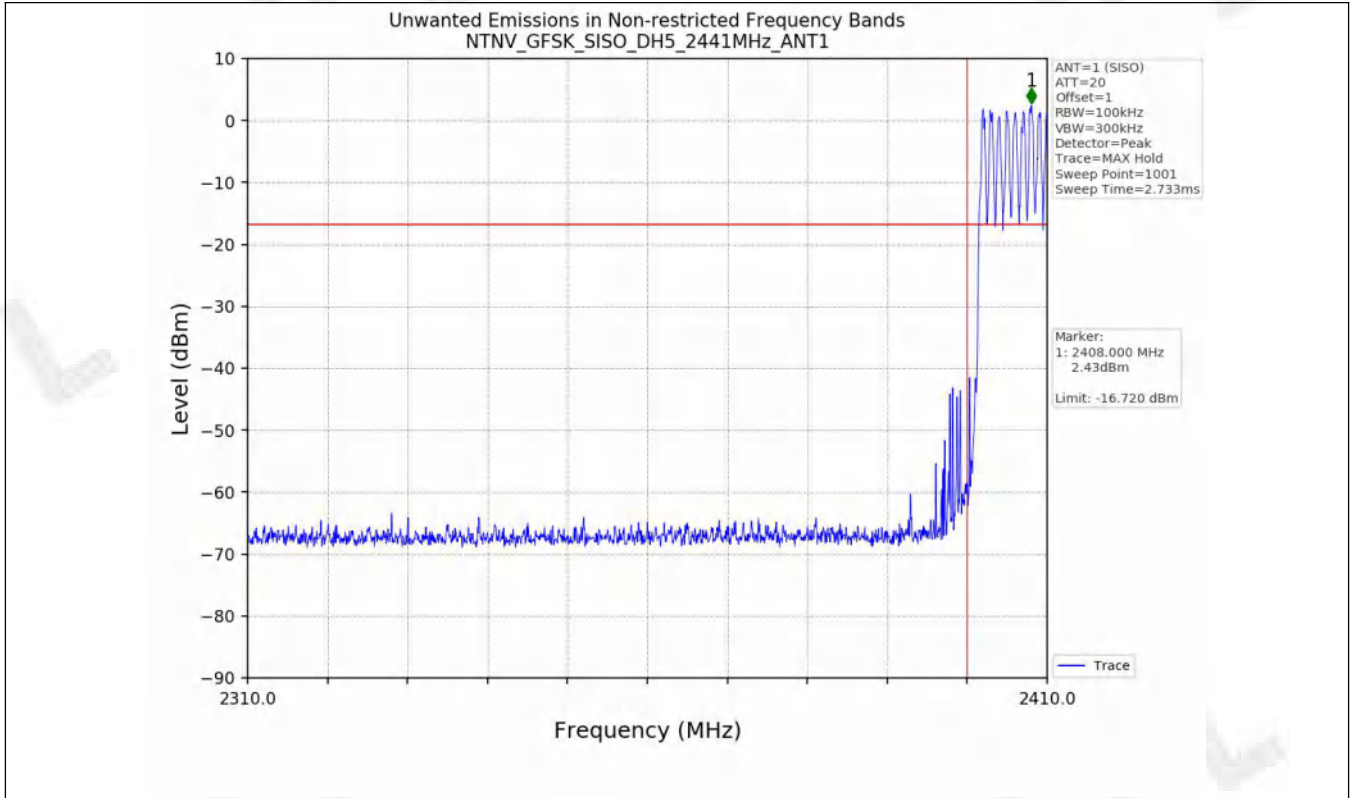
Test Mode	Frequency (MHz)	TX Type	ANT No.	Spurious Conducted Emission (dBm)	Limits (dBm)	Verdict
GFSK	2402	SISO	1	Refer to test graph	-16.72	PASS
	2441	SISO	1	Refer to test graph	-16.72	PASS
	2480	SISO	1	Refer to test graph	-16.72	PASS
	Hopping	SISO	1	Refer to test graph	-16.72	PASS
Pi/4DQPSK	2402	SISO	1	Refer to test graph	-16.55	PASS
	2441	SISO	1	Refer to test graph	-16.55	PASS
	2480	SISO	1	Refer to test graph	-16.55	PASS
	Hopping	SISO	1	Refer to test graph	-16.55	PASS
8DPSK	2402	SISO	1	Refer to test graph	-16.37	PASS
	2441	SISO	1	Refer to test graph	-16.37	PASS
	2480	SISO	1	Refer to test graph	-16.37	PASS
	Hopping	SISO	1	Refer to test graph	-16.37	PASS

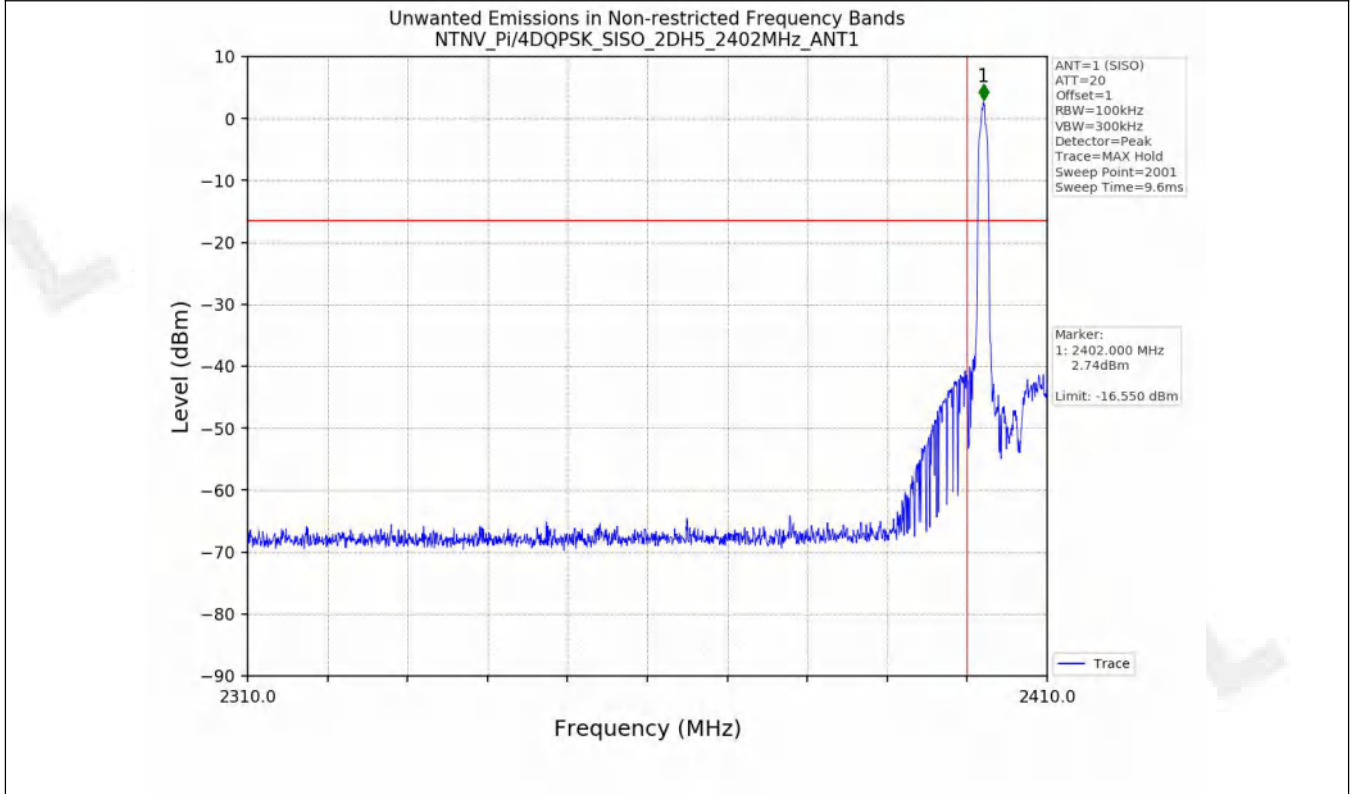
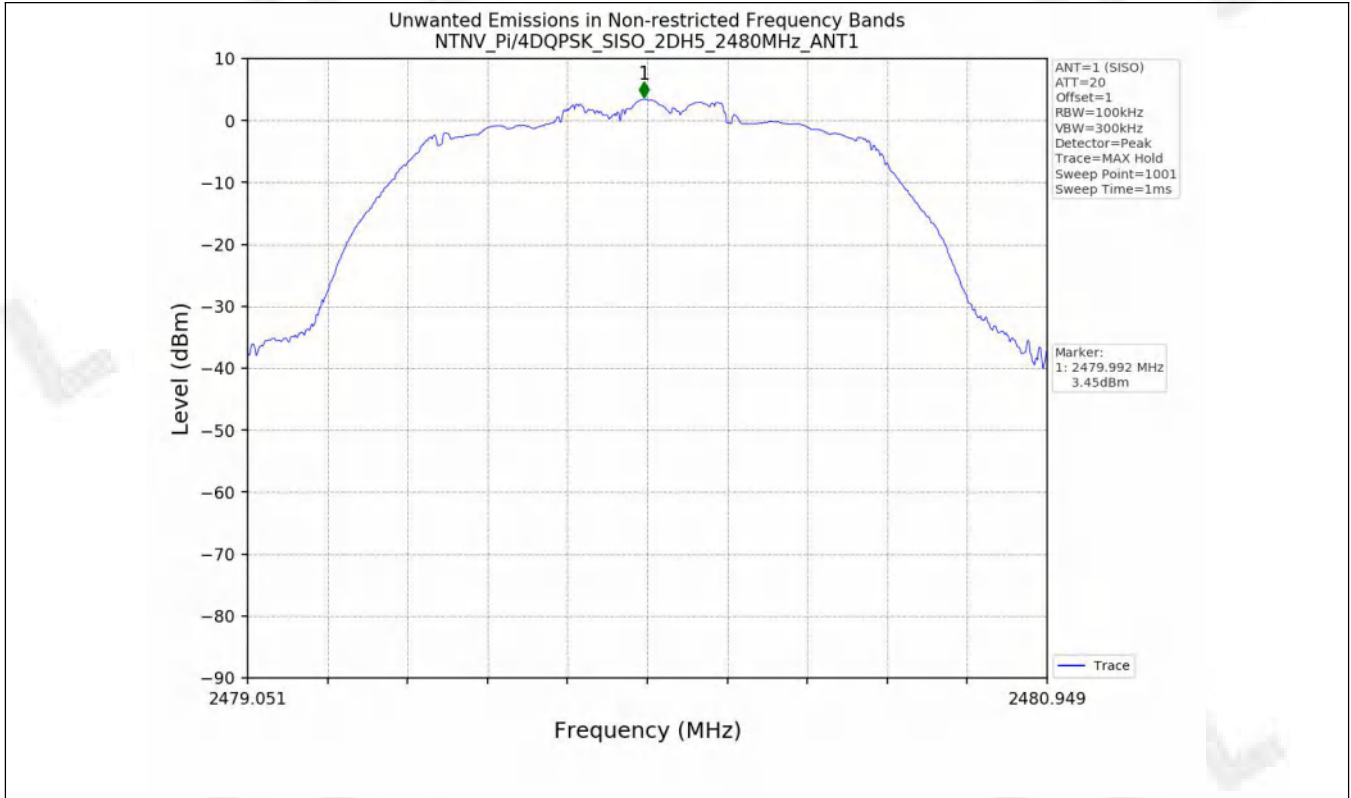
6.2 Test Graph

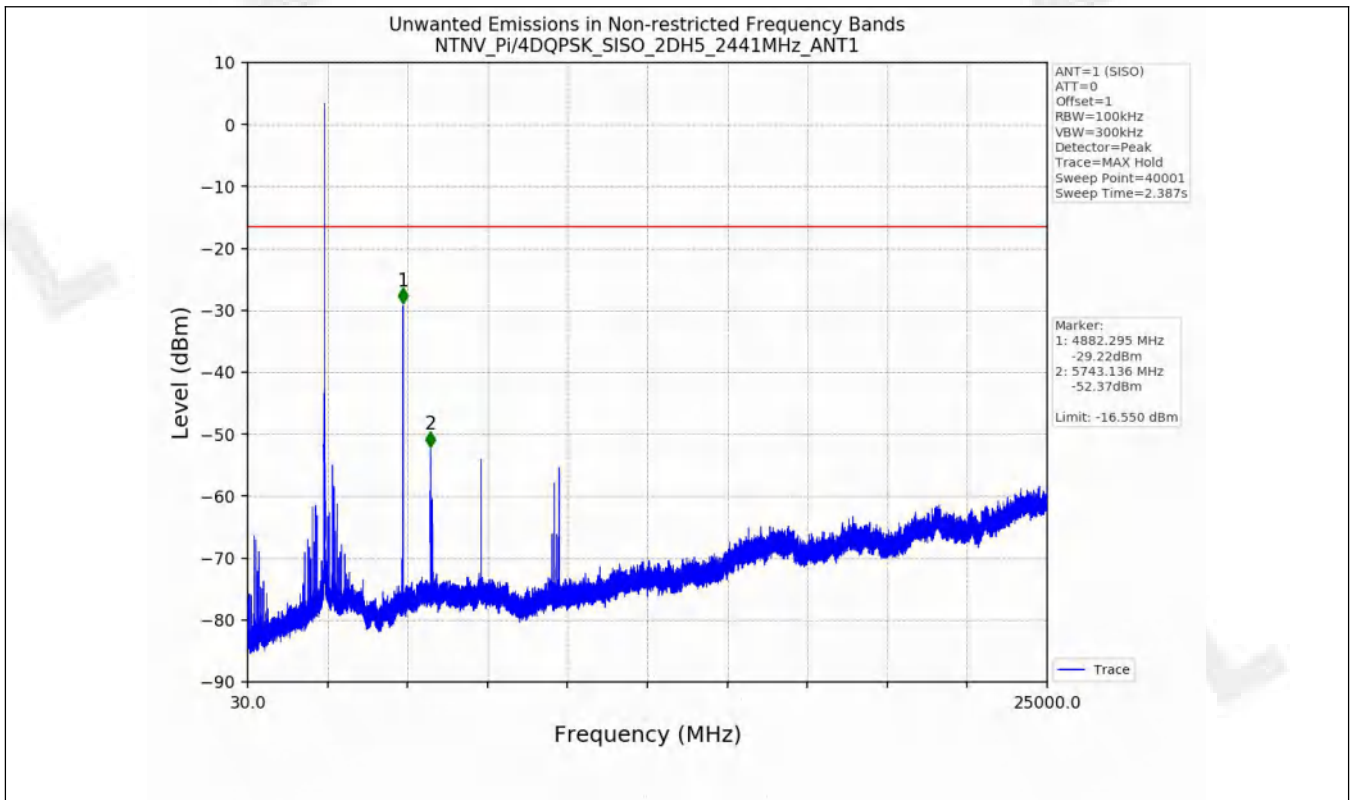
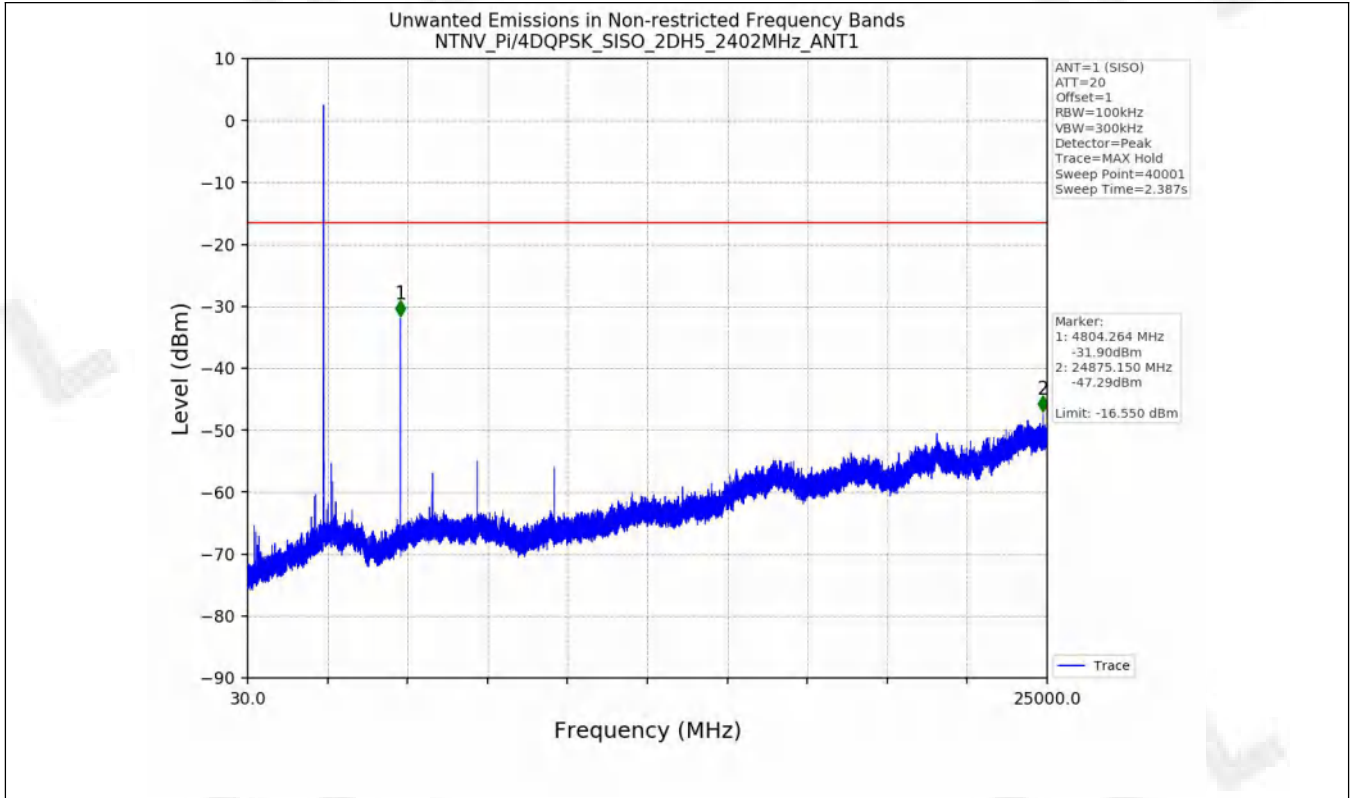


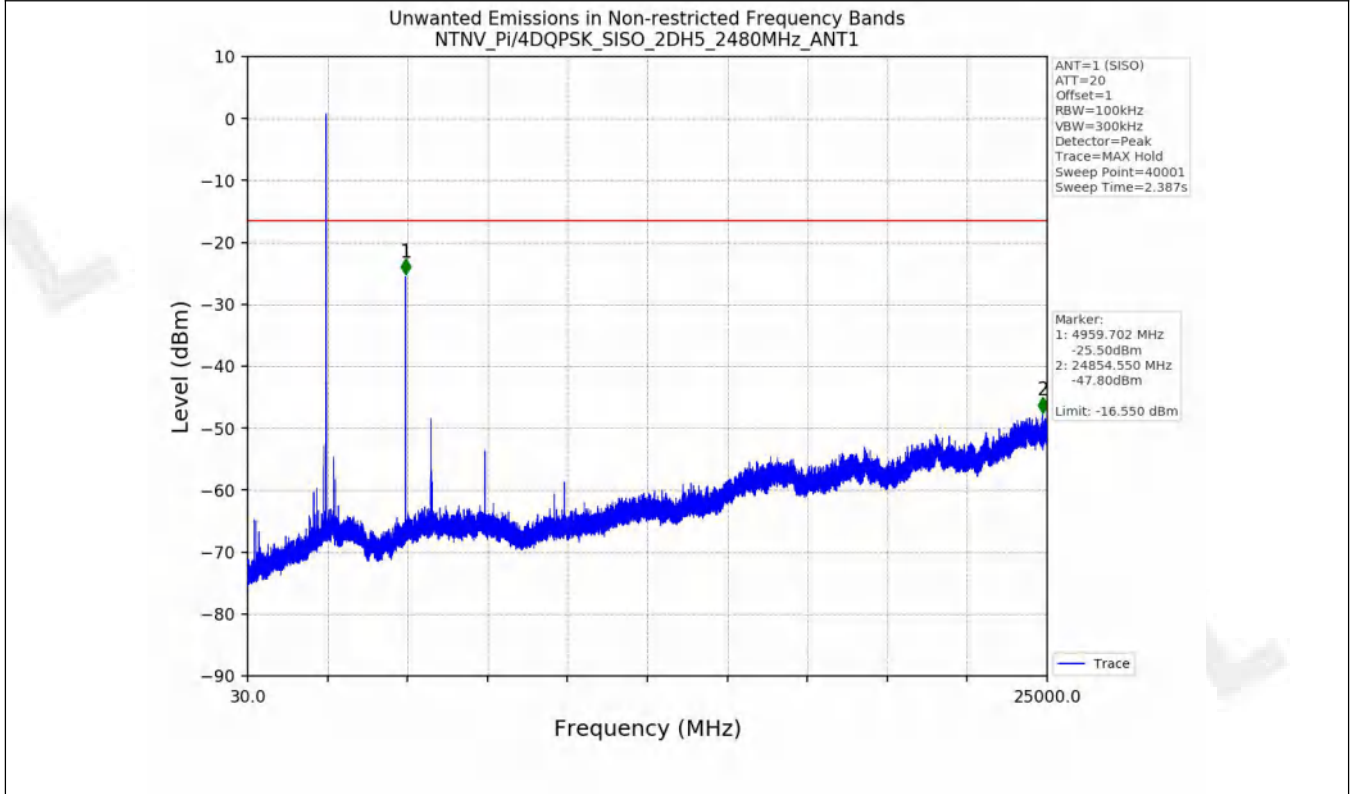
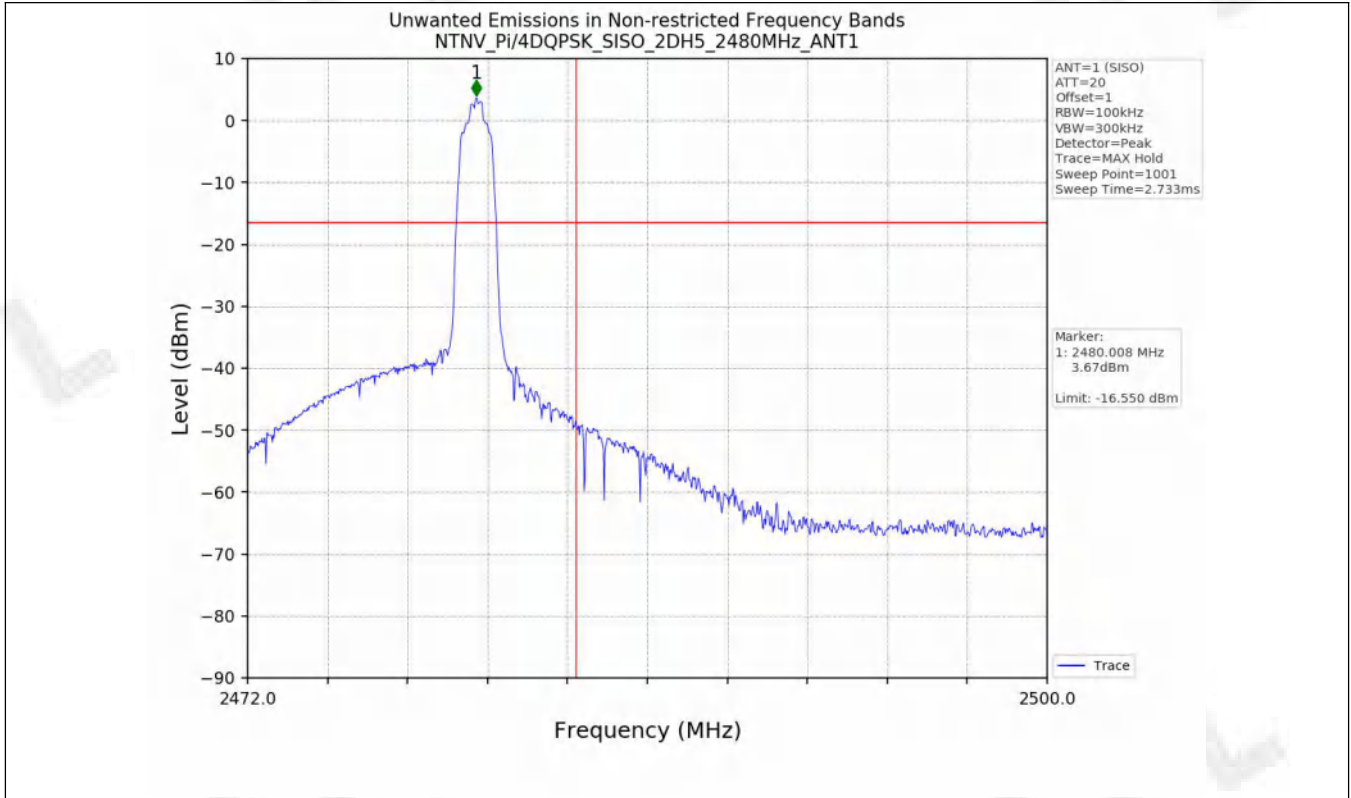


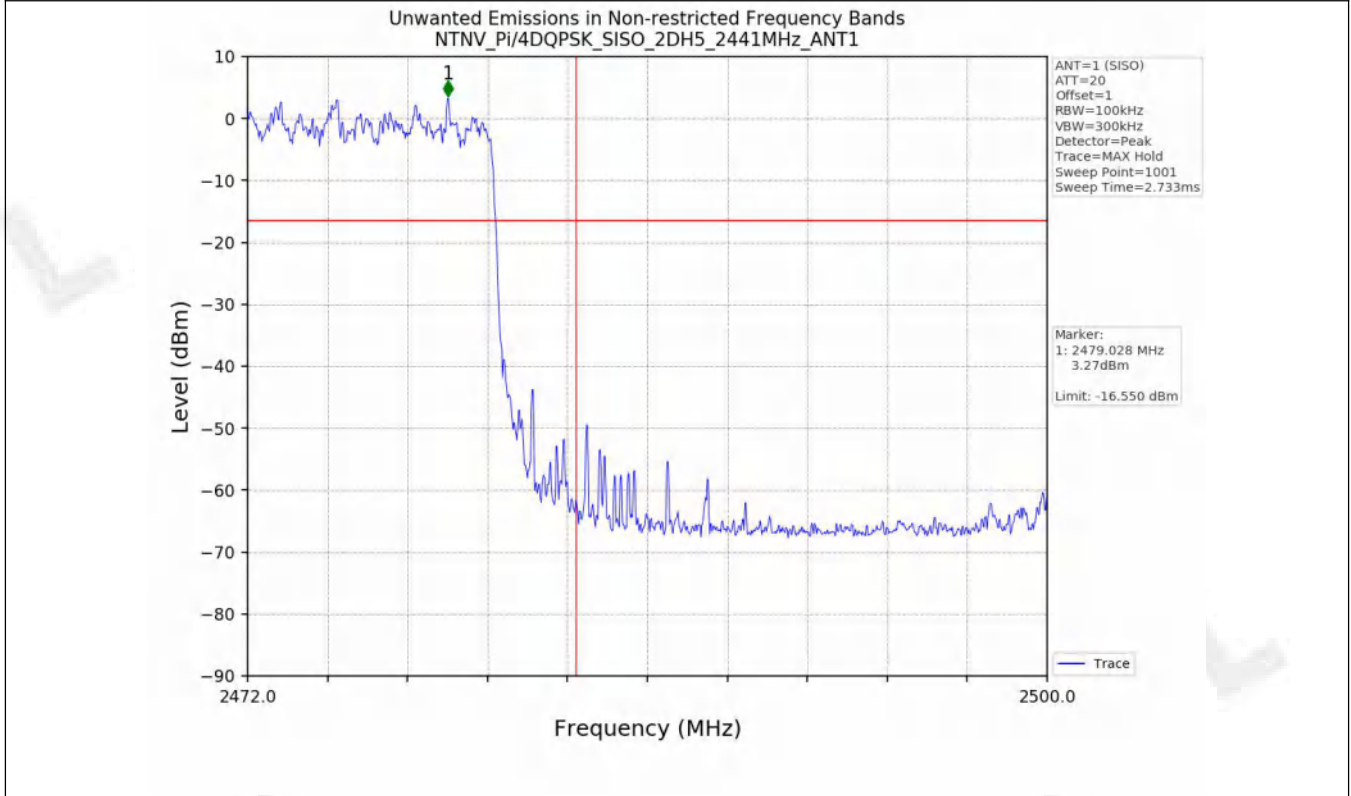
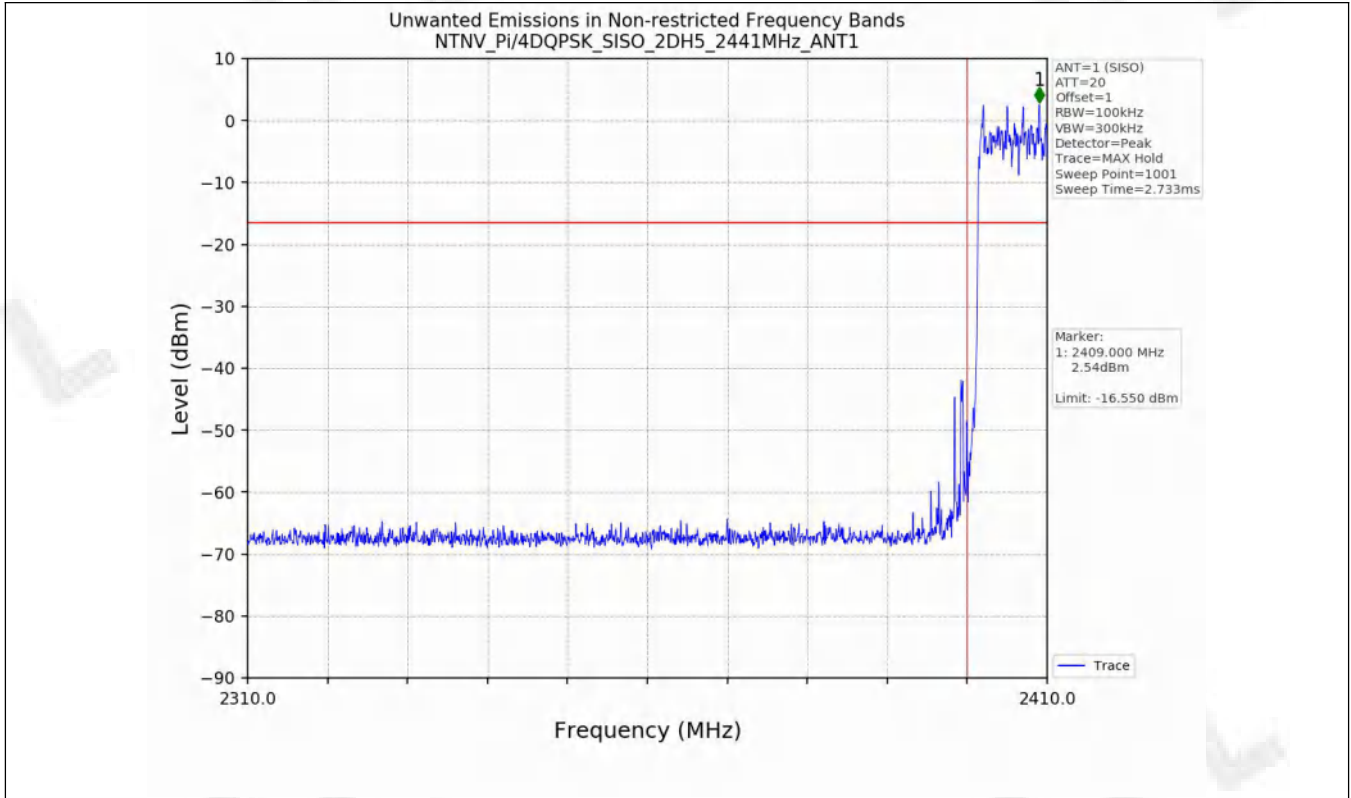


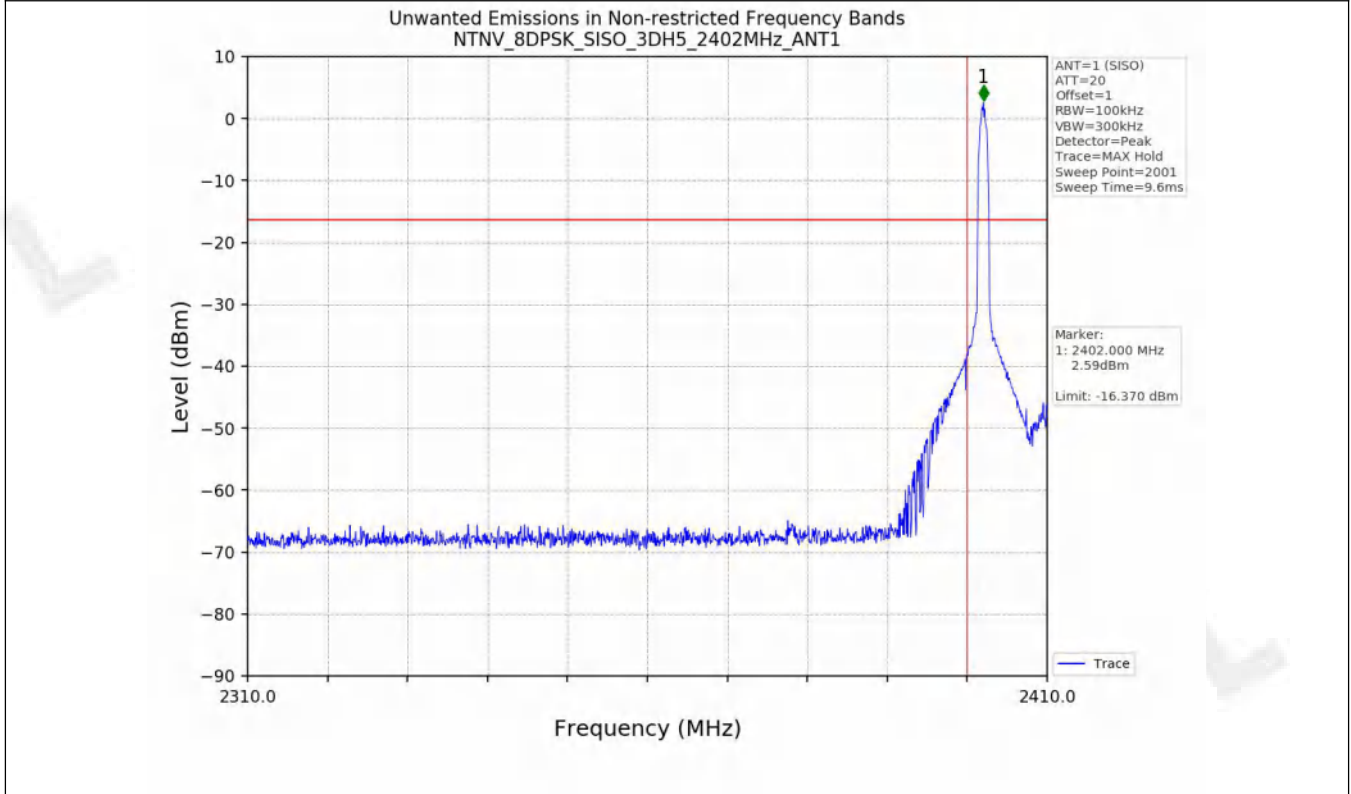
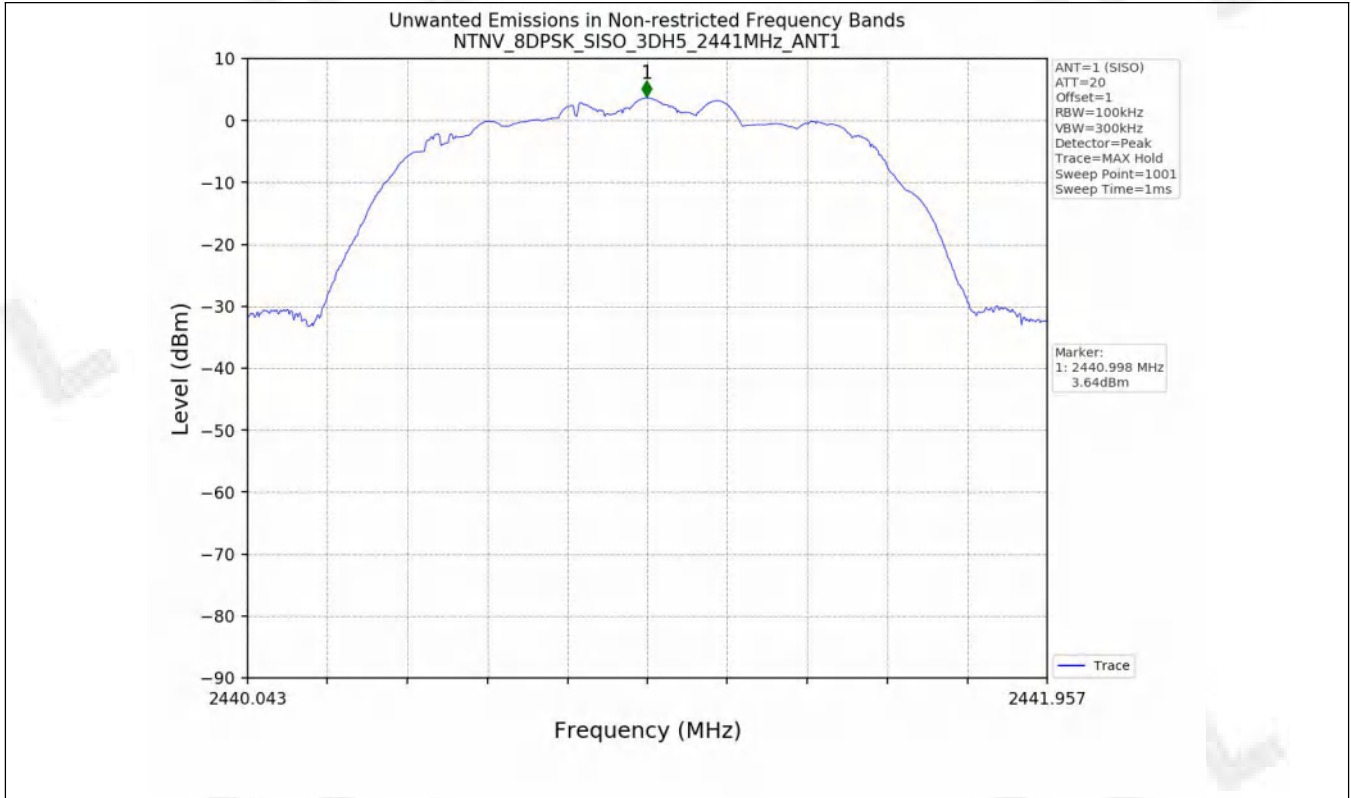


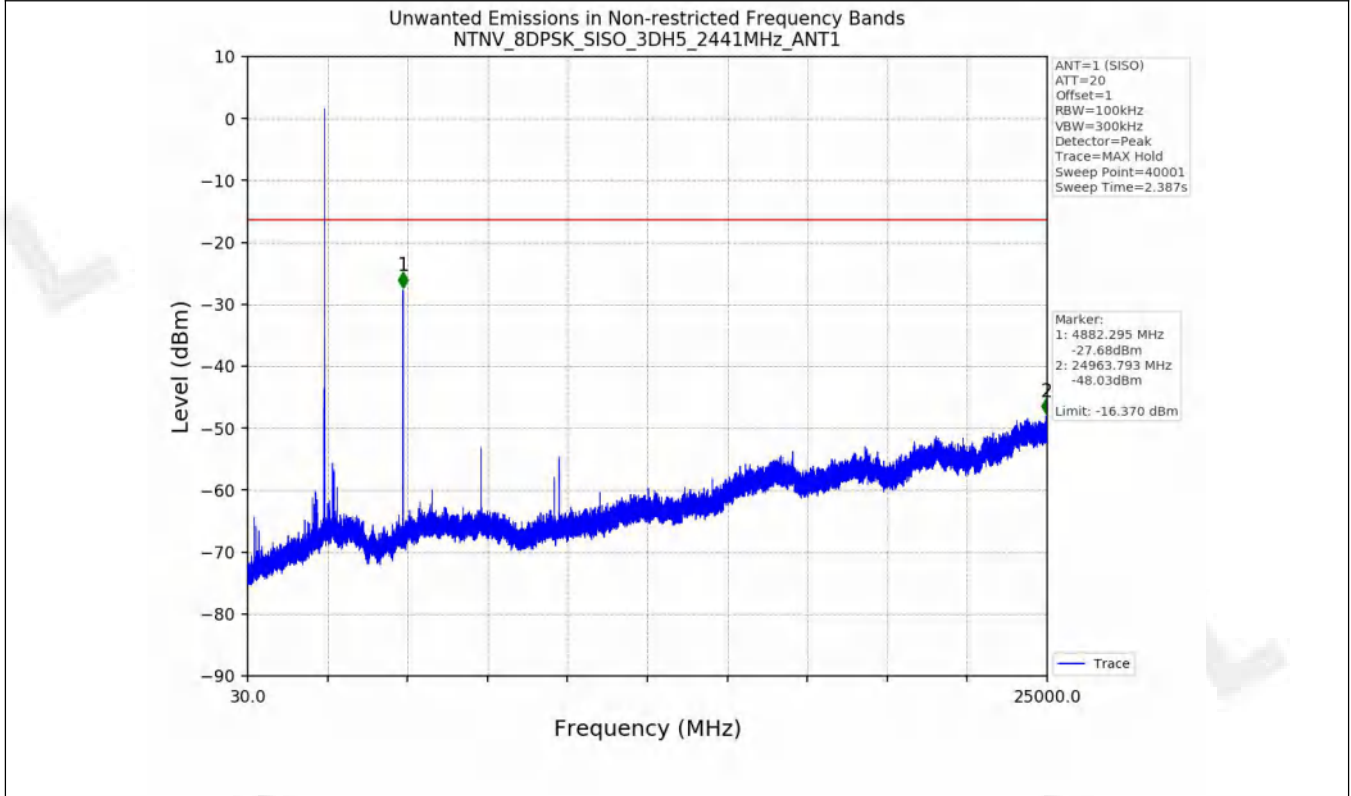
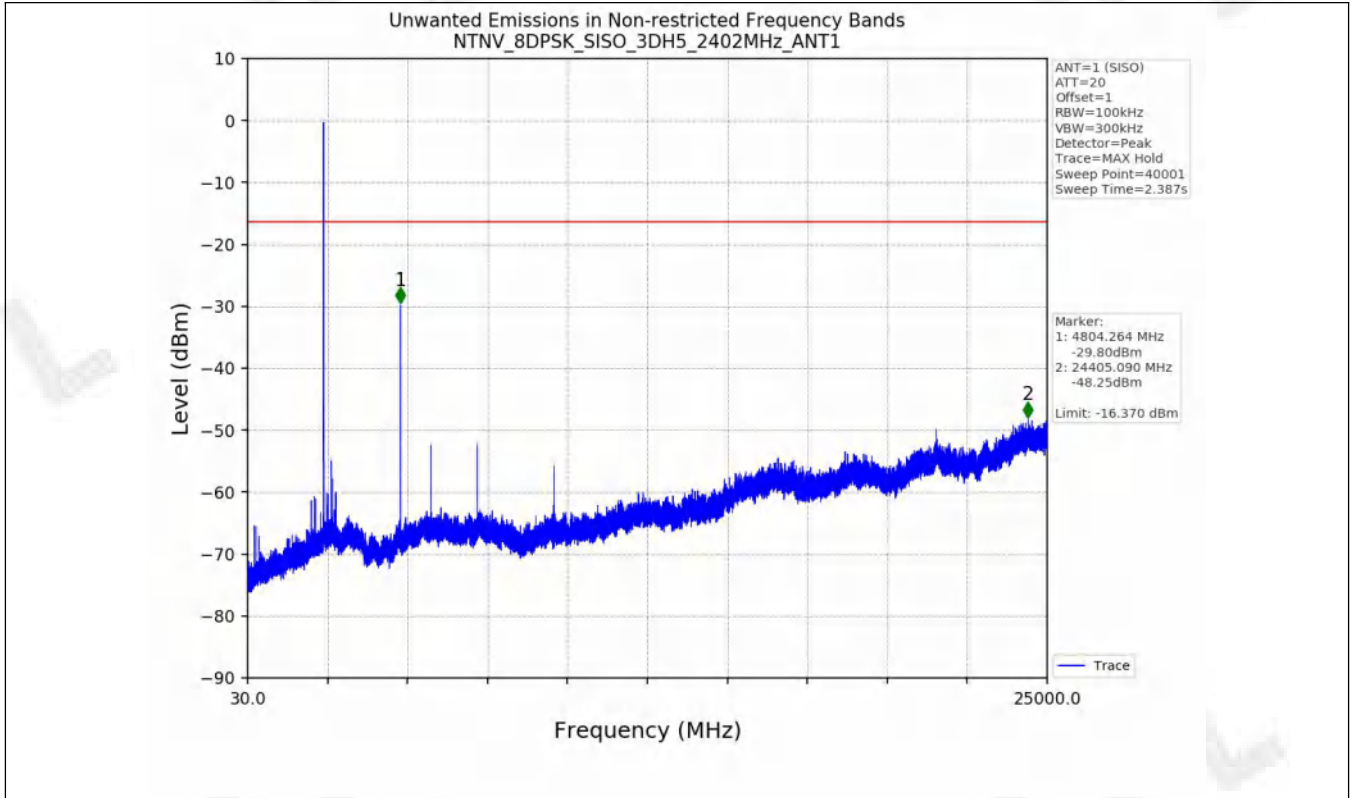


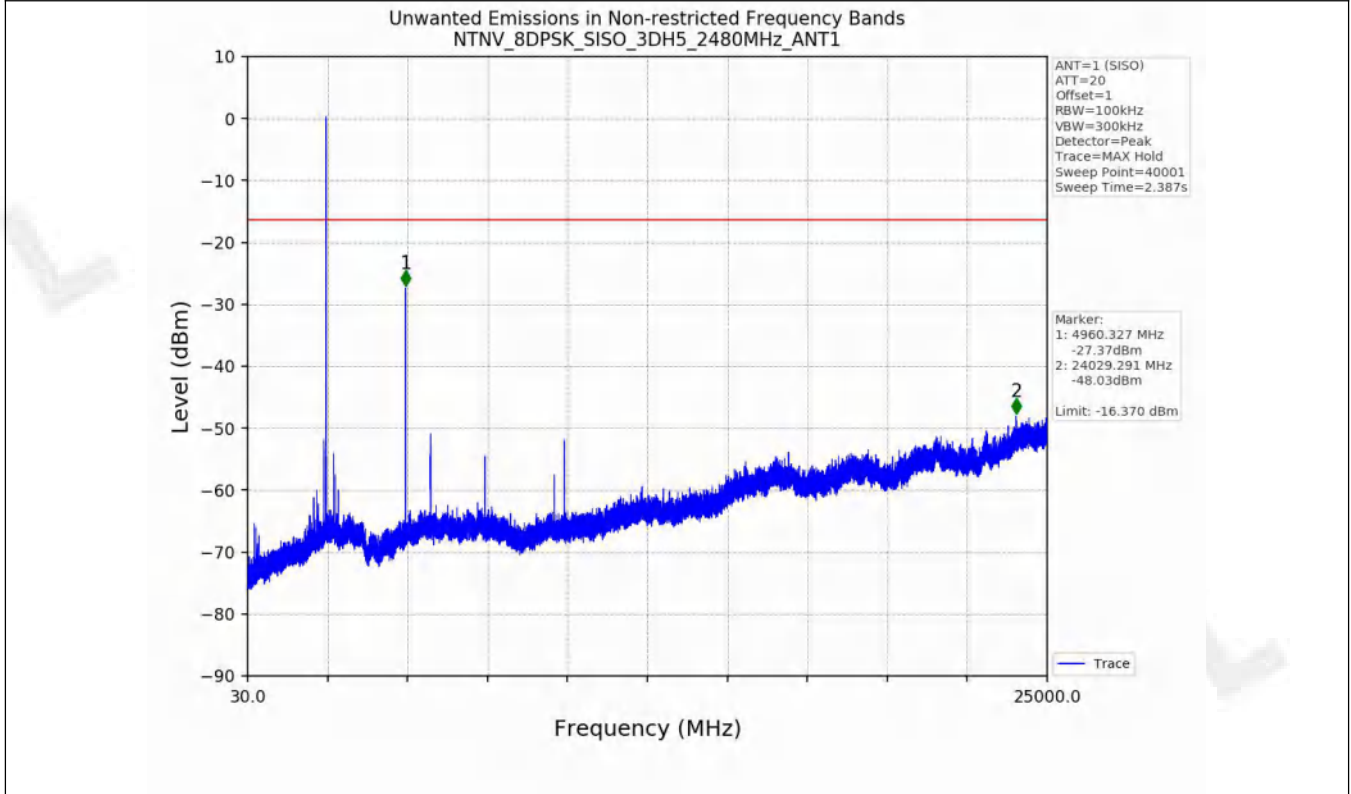
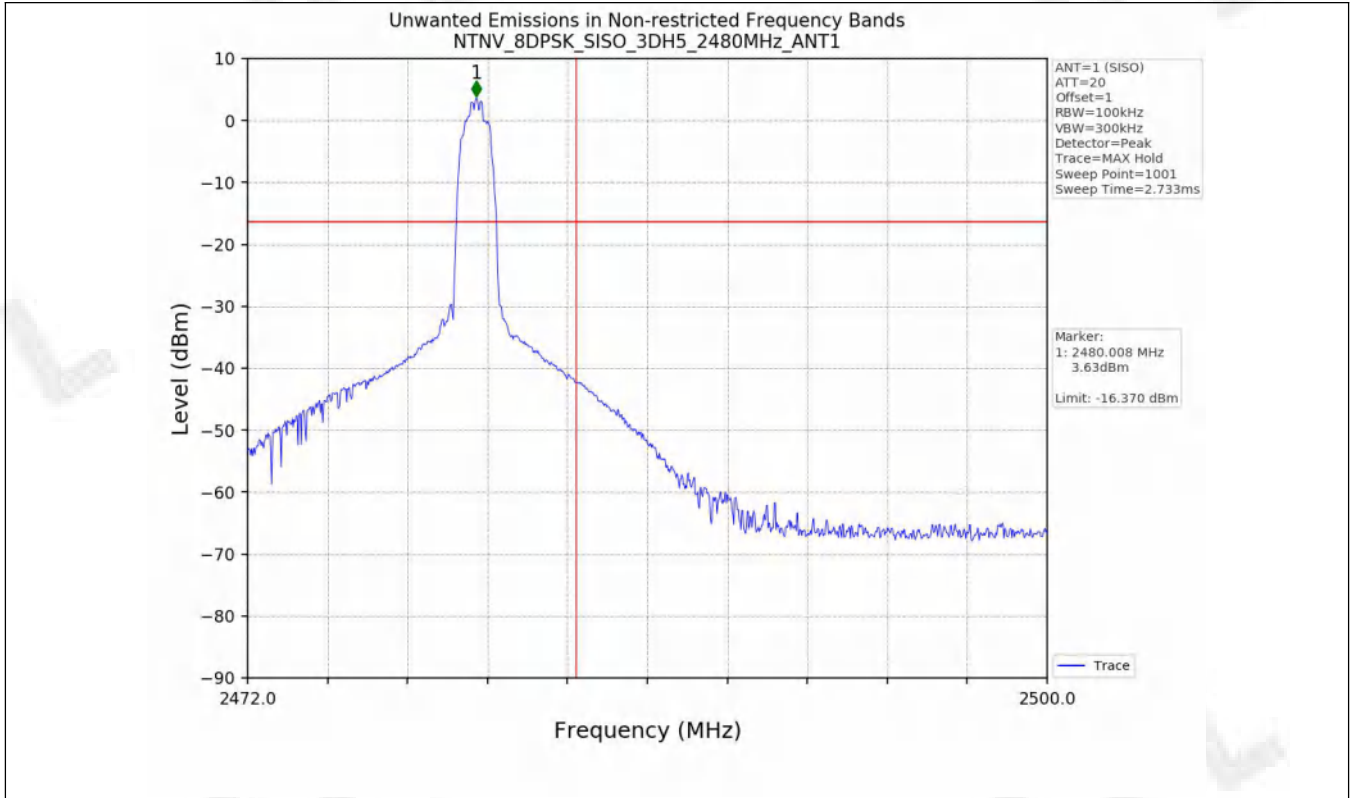


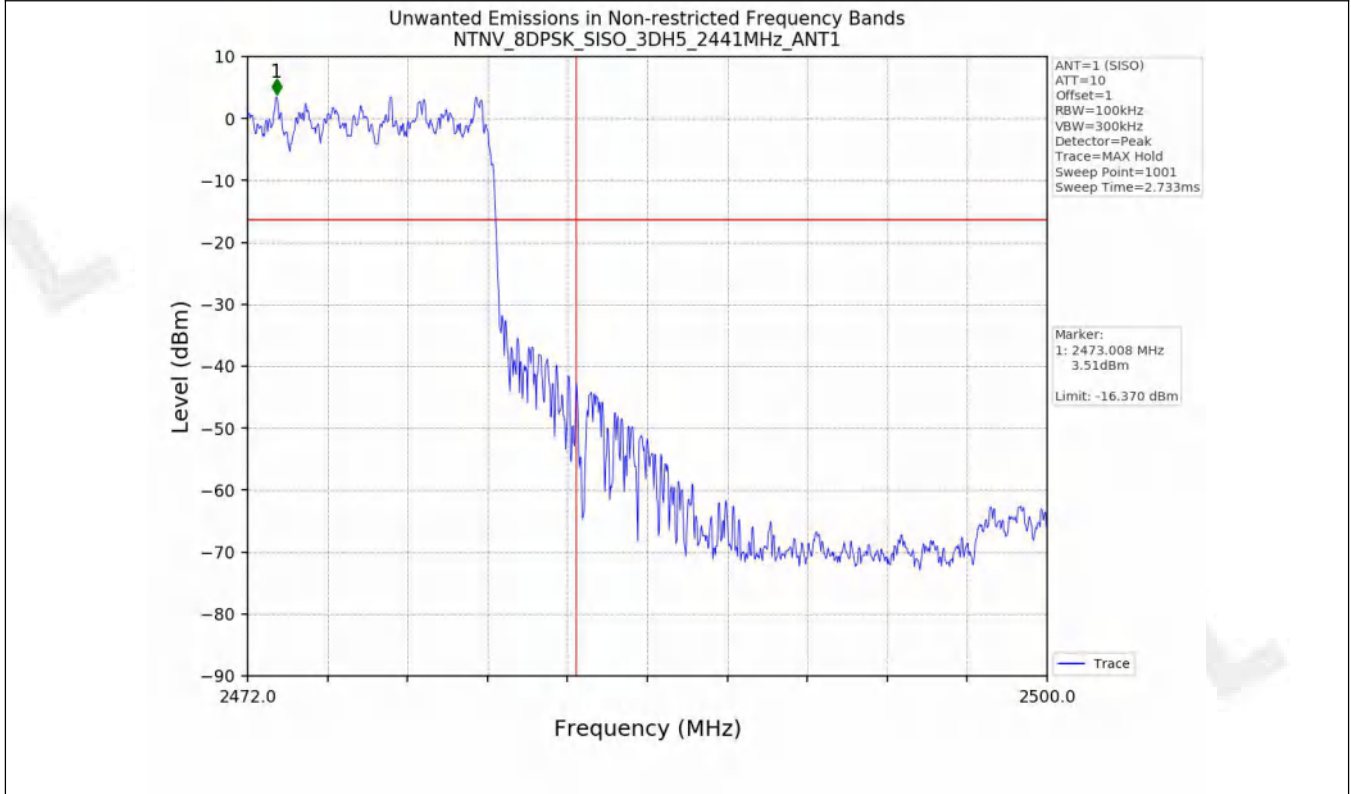
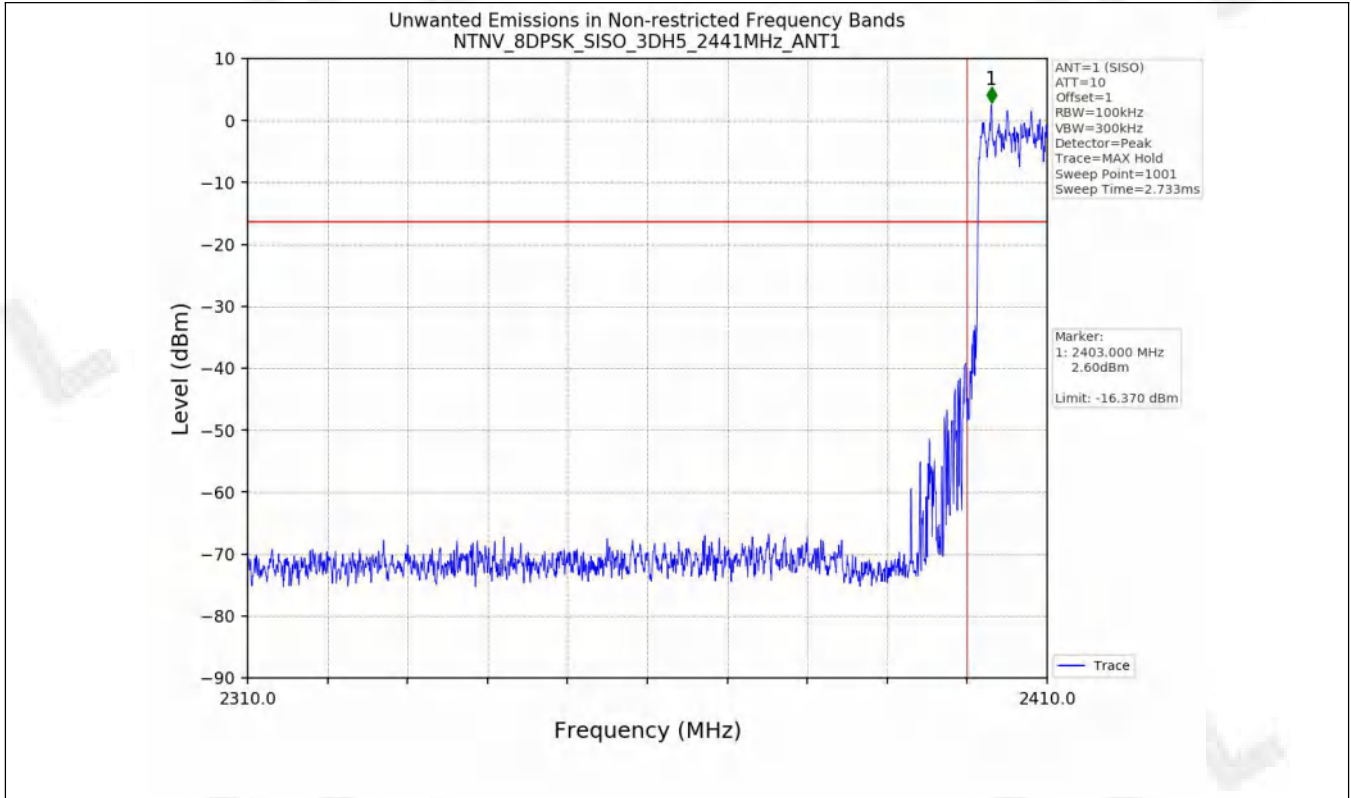












7. Frequency Error

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	2441.00	2400-2483.5	PASS
	2480	SISO	1	2480.00	2400-2483.5	PASS

7.2 Test Graph

