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Appendix for 15.247

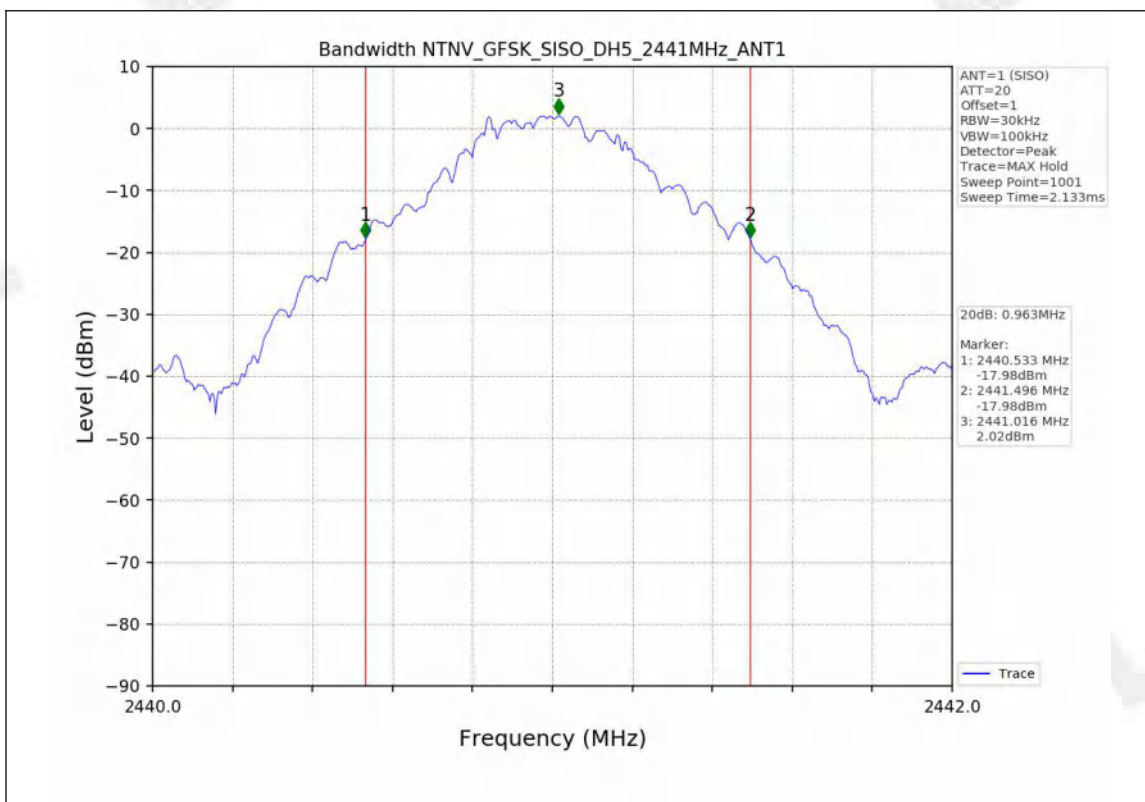
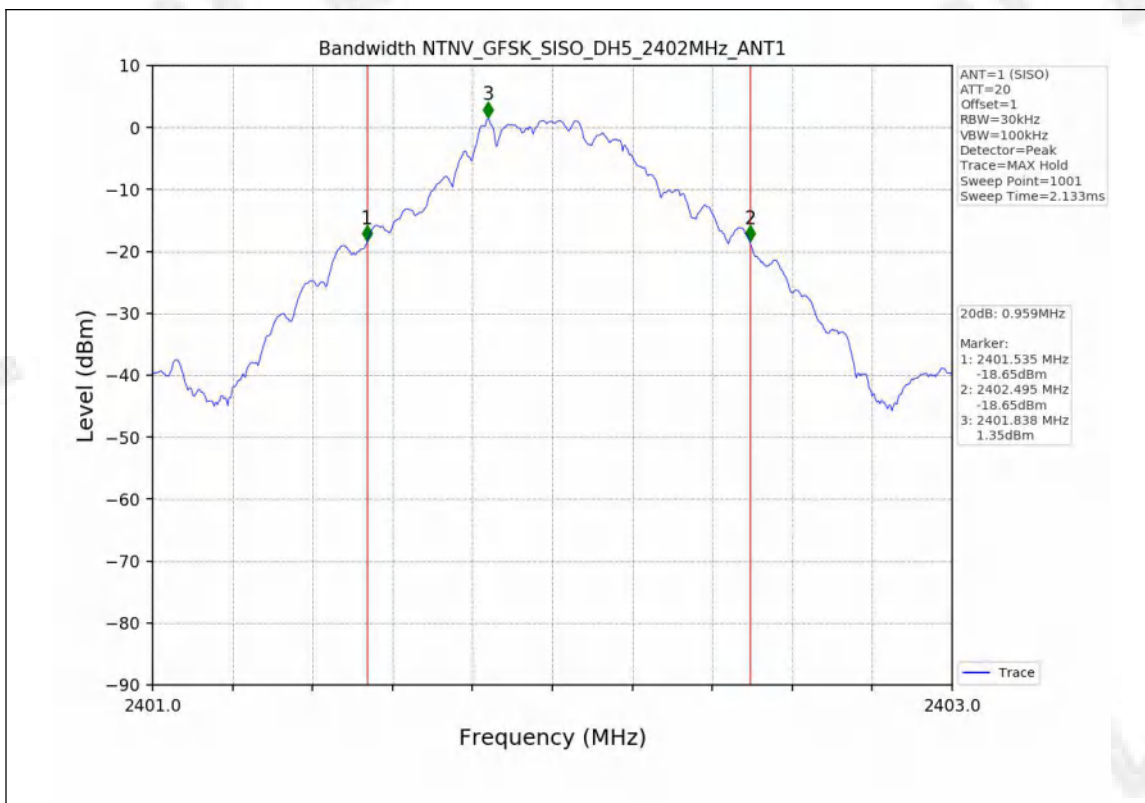
1. Bandwidth

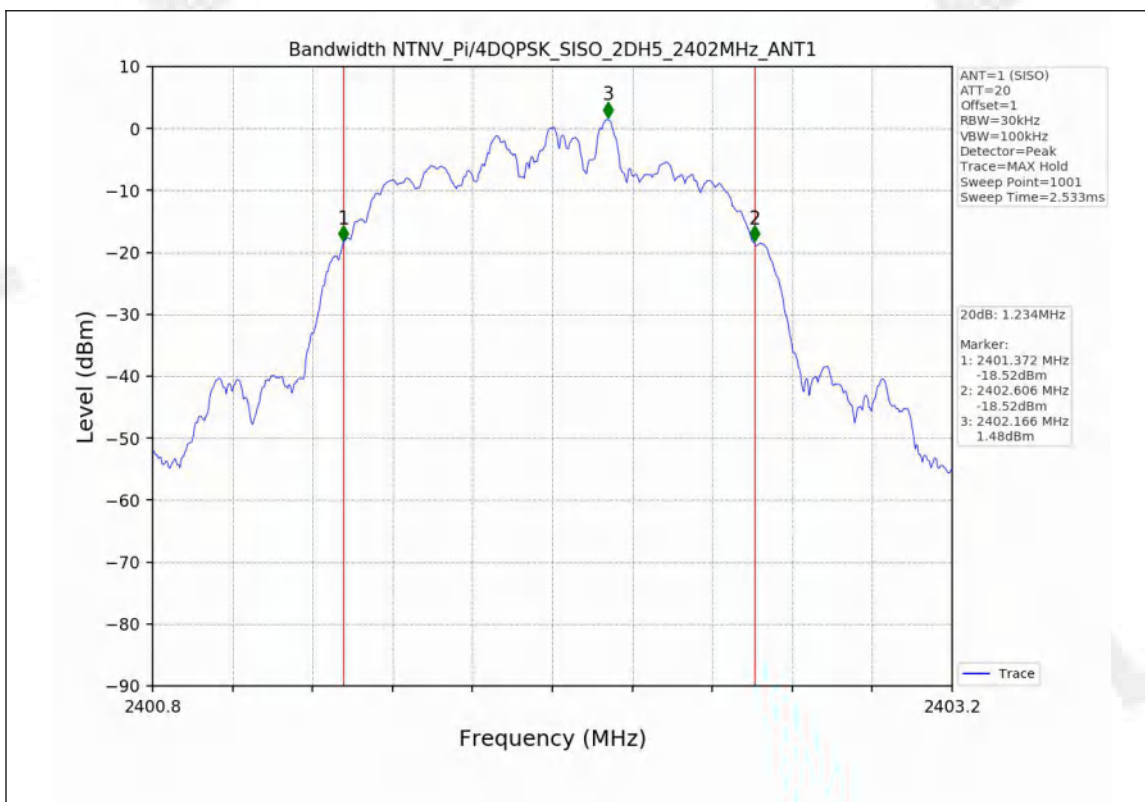
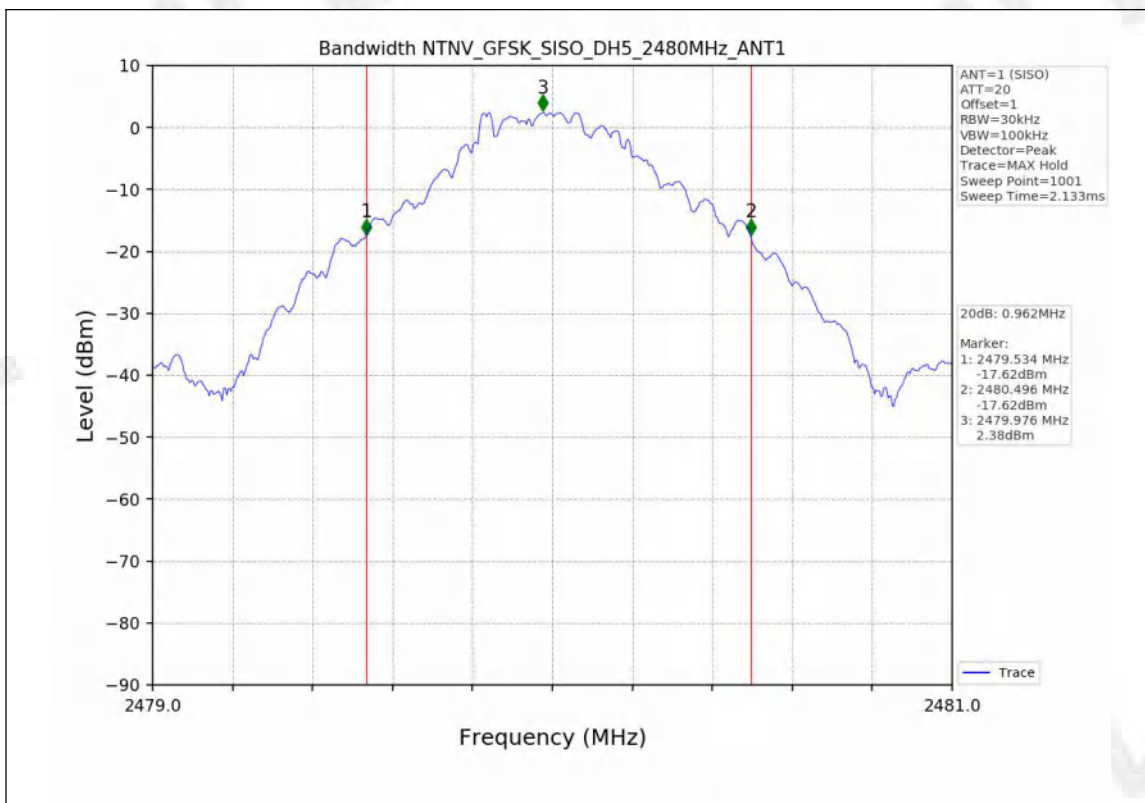
1.1 Test Result

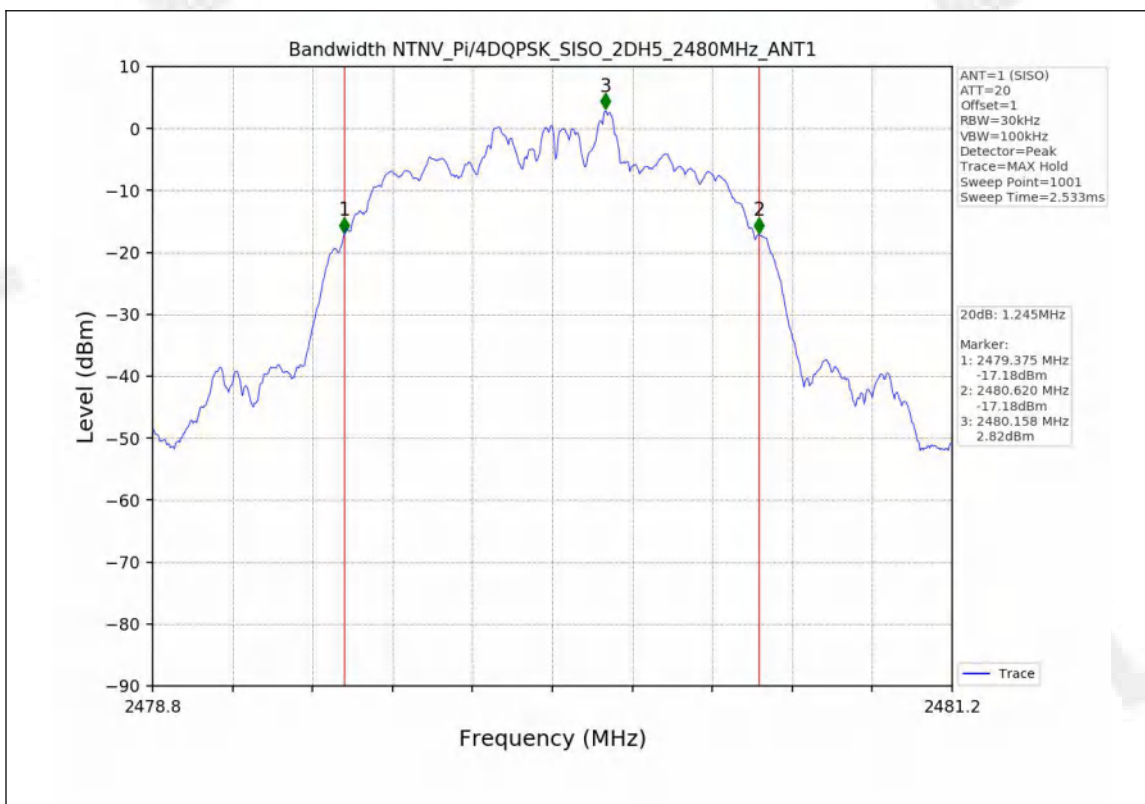
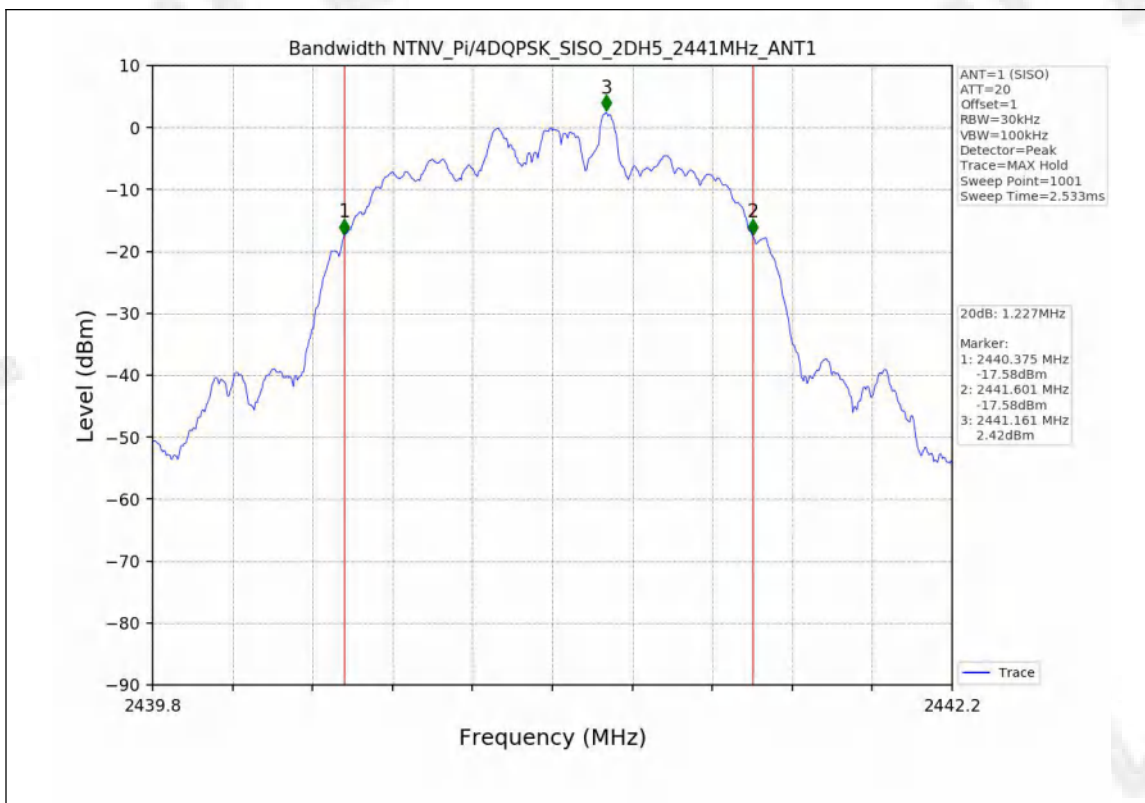
Test Mode	Frequency (MHz)	TX Type	ANT No.	20dB Bandwidth	Verdict
				Test Result (MHz)	
GFSK	2402	SISO	1	0.959	PASS
	2441	SISO	1	0.963	PASS
	2480	SISO	1	0.962	PASS
Pi/4DQPSK	2402	SISO	1	1.234	PASS
	2441	SISO	1	1.227	PASS
	2480	SISO	1	1.245	PASS
8DPSK	2402	SISO	1	1.265	PASS
	2441	SISO	1	1.263	PASS
	2480	SISO	1	1.283	PASS

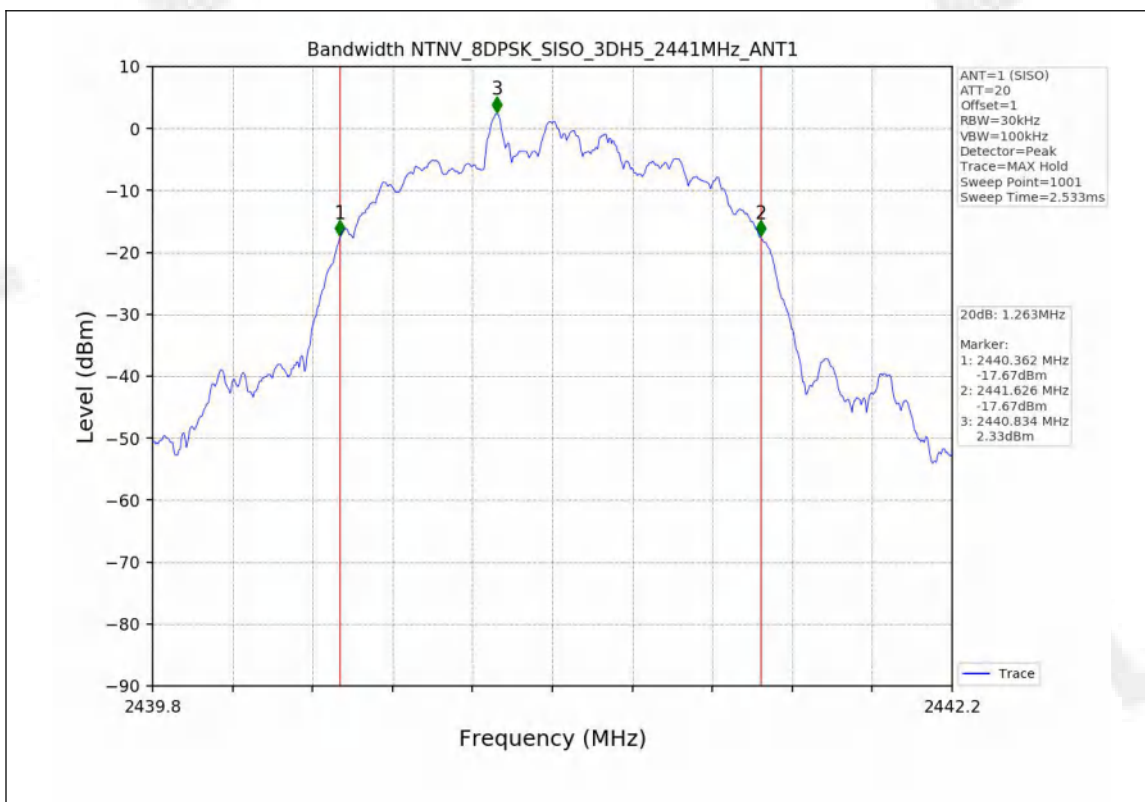
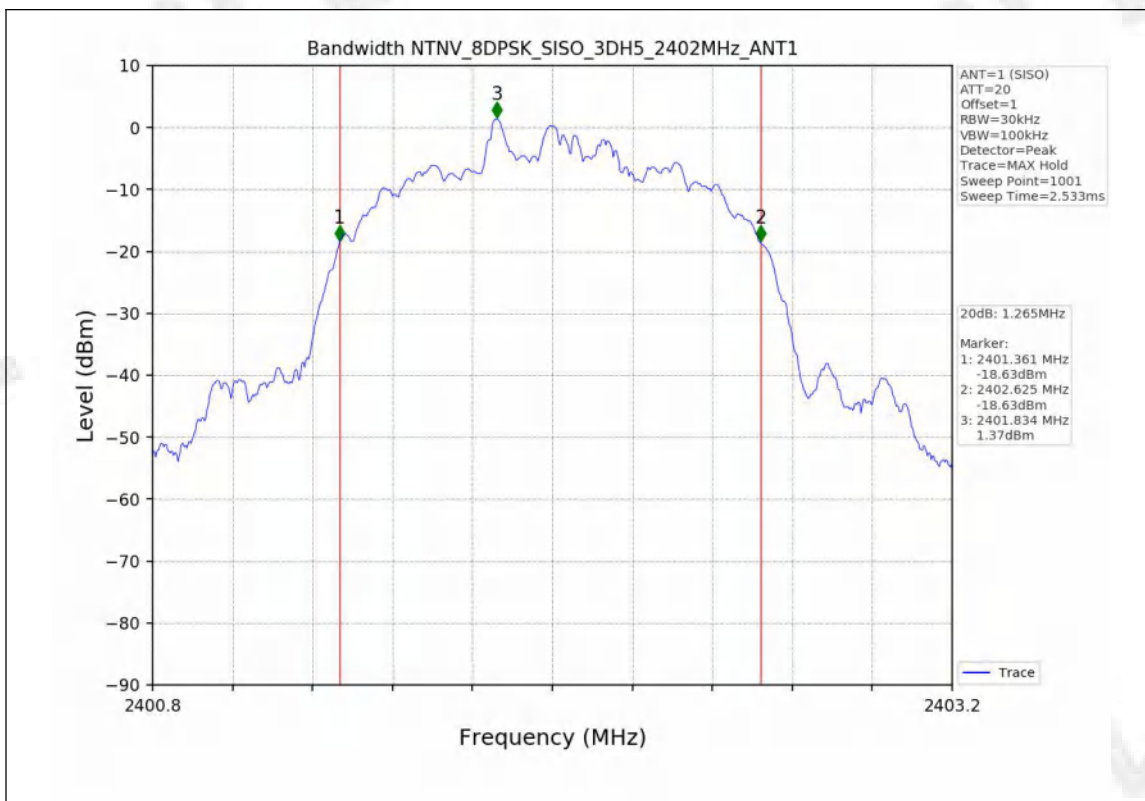
Test Mode	Frequency (MHz)	TX Type	ANT No.	99% Occupied Bandwidth	
				Test Result (MHz)	
GFSK	2402	SISO	1	0.857	Only for Report Use
	2441	SISO	1	0.869	Only for Report Use
	2480	SISO	1	0.858	Only for Report Use
Pi/4DQPSK	2402	SISO	1	1.142	Only for Report Use
	2441	SISO	1	1.143	Only for Report Use
	2480	SISO	1	1.141	Only for Report Use
8DPSK	2402	SISO	1	1.151	Only for Report Use
	2441	SISO	1	1.153	Only for Report Use
	2480	SISO	1	1.150	Only for Report Use

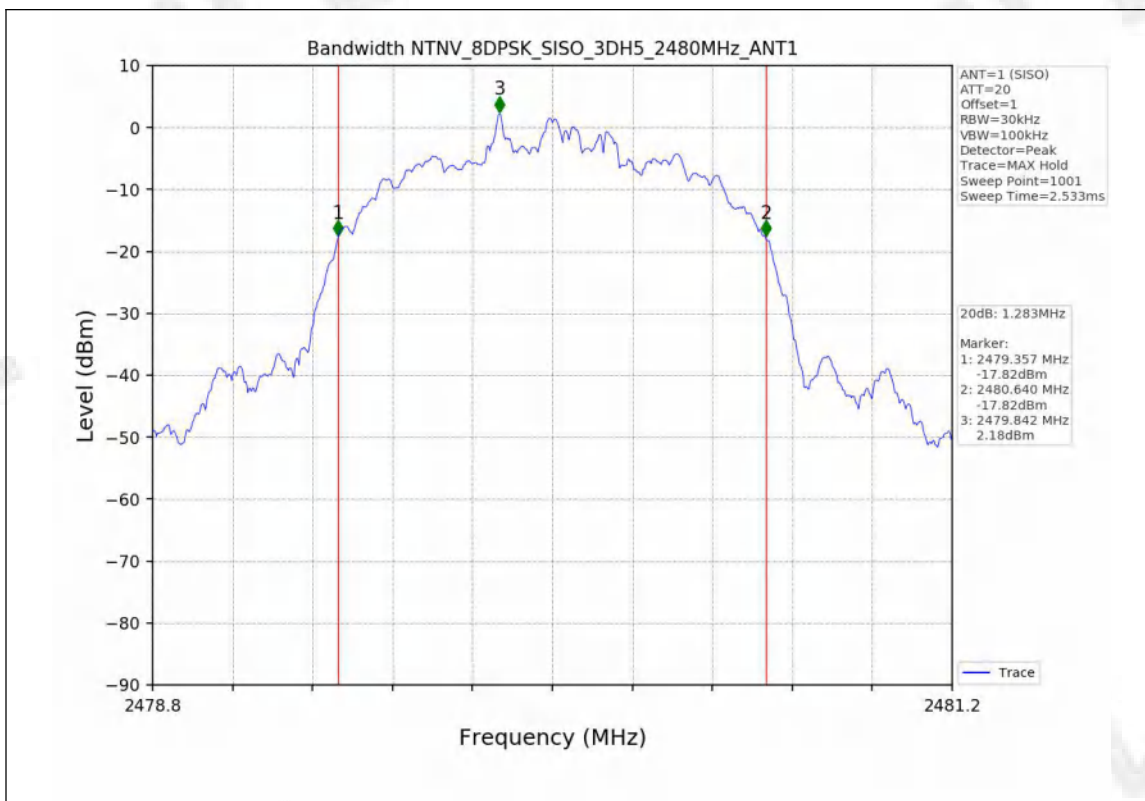
1.2 Test Graph - 20dB Bandwidth



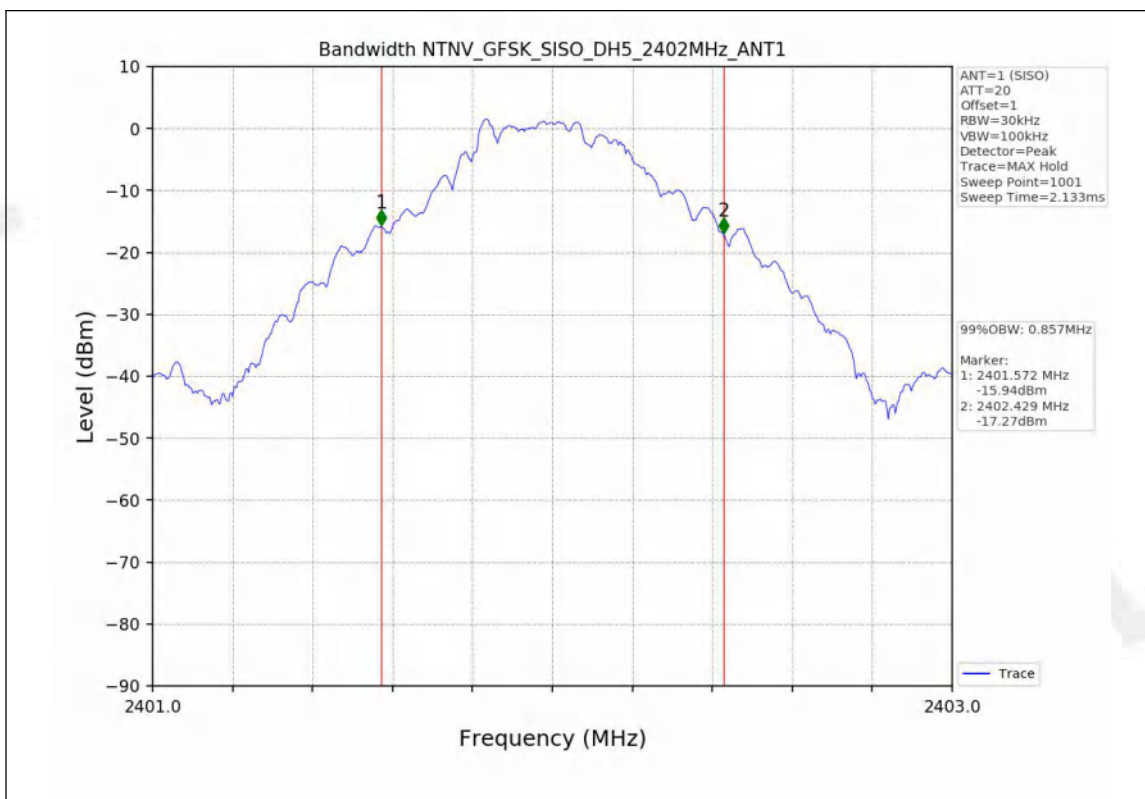


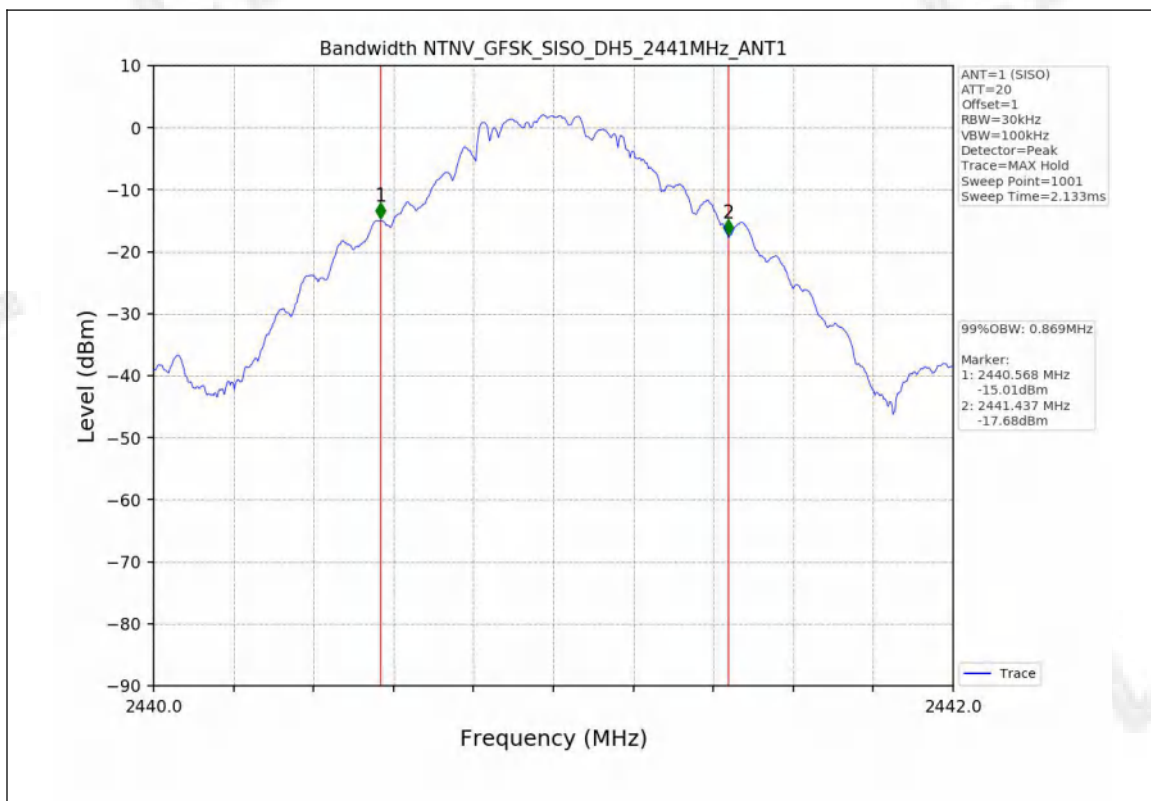


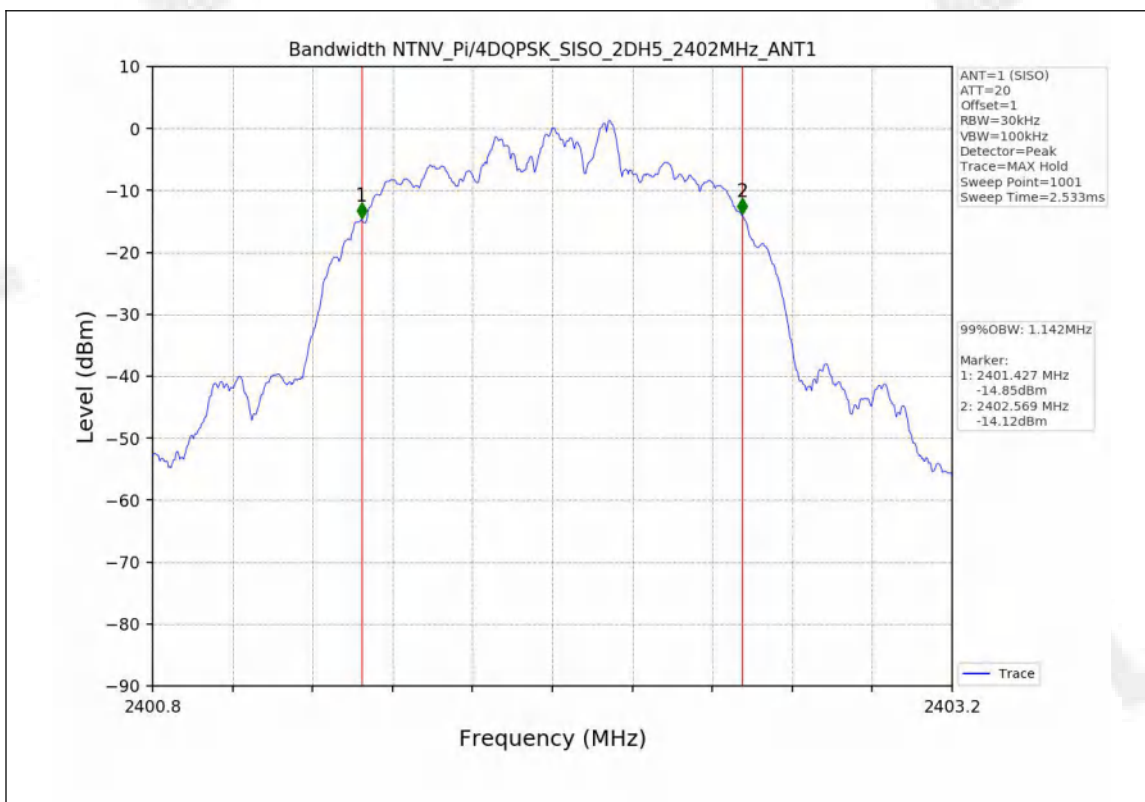
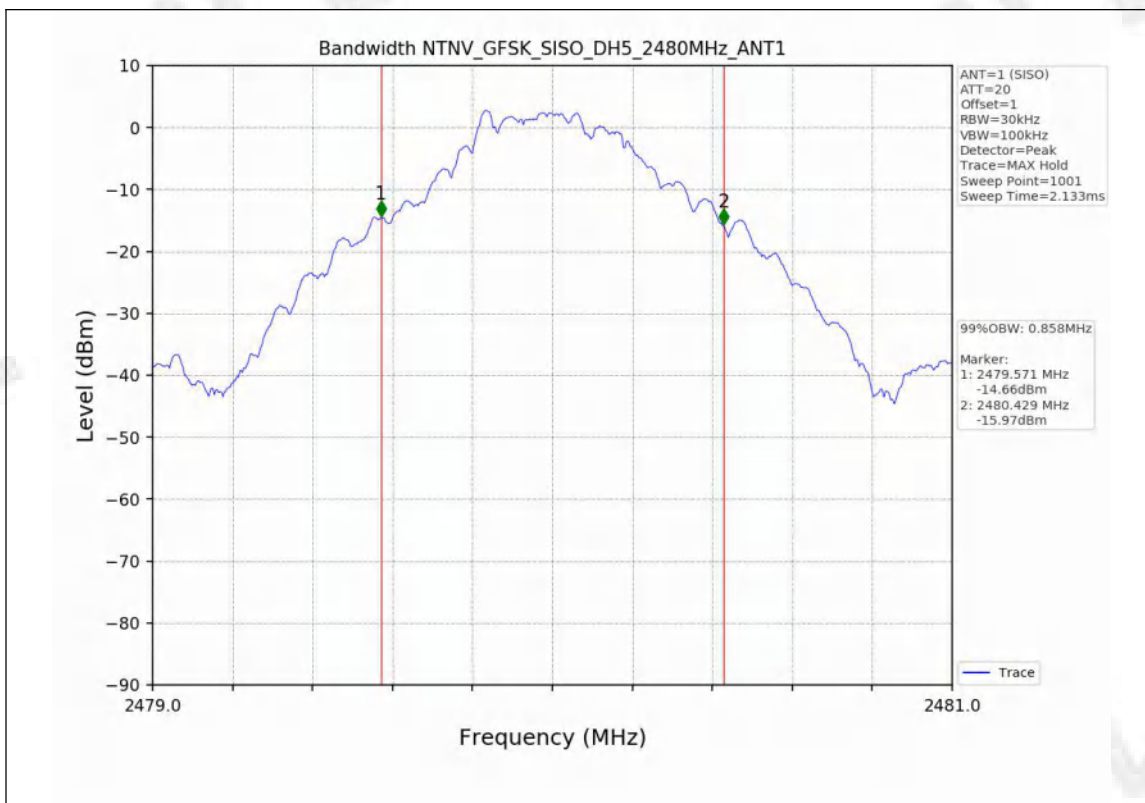


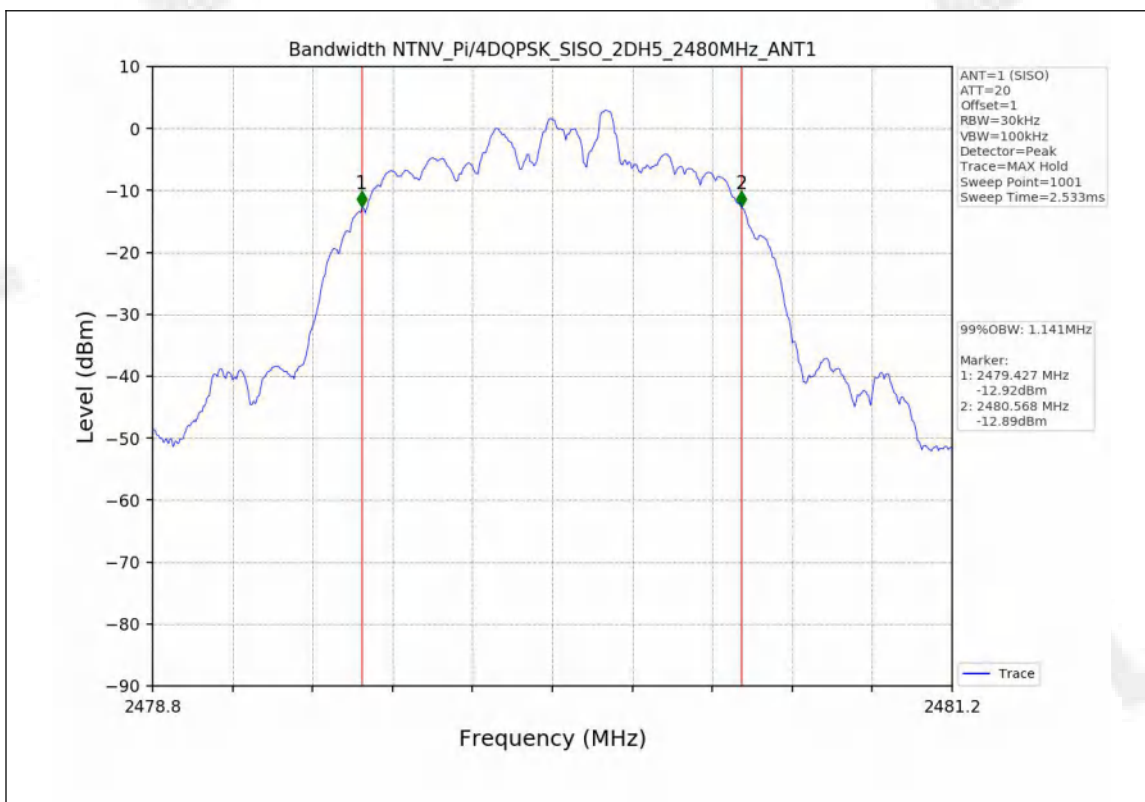
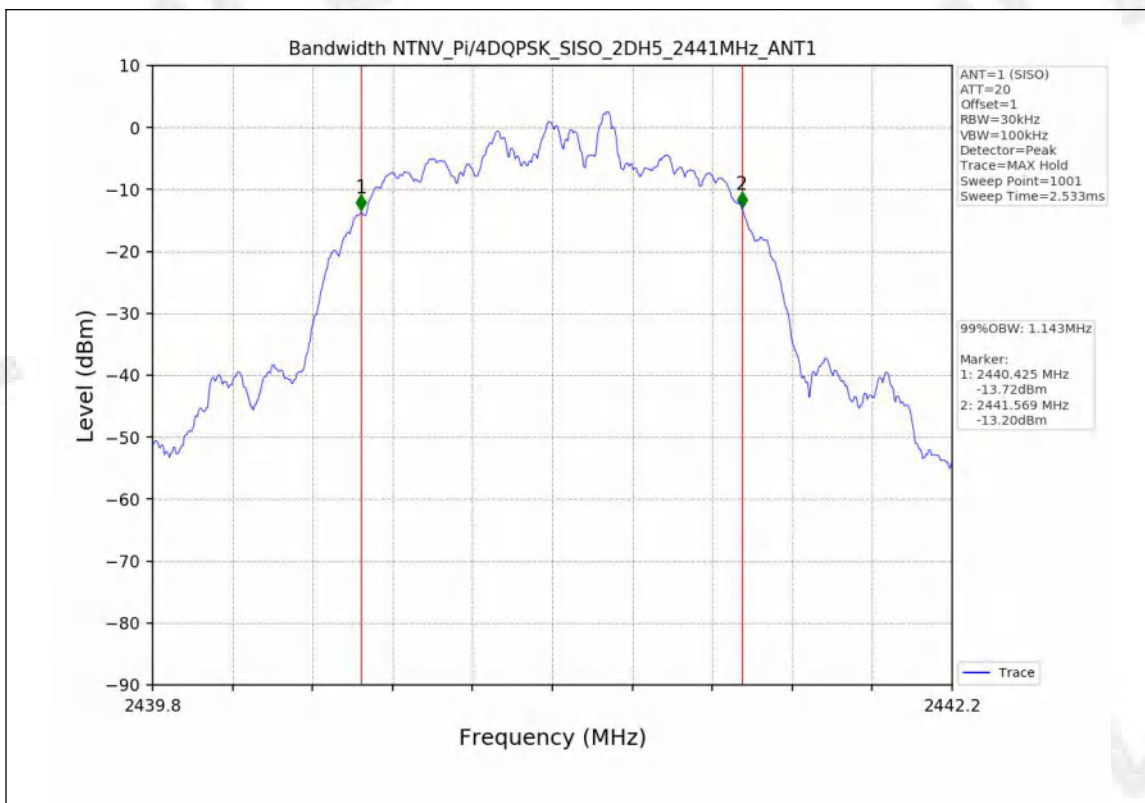


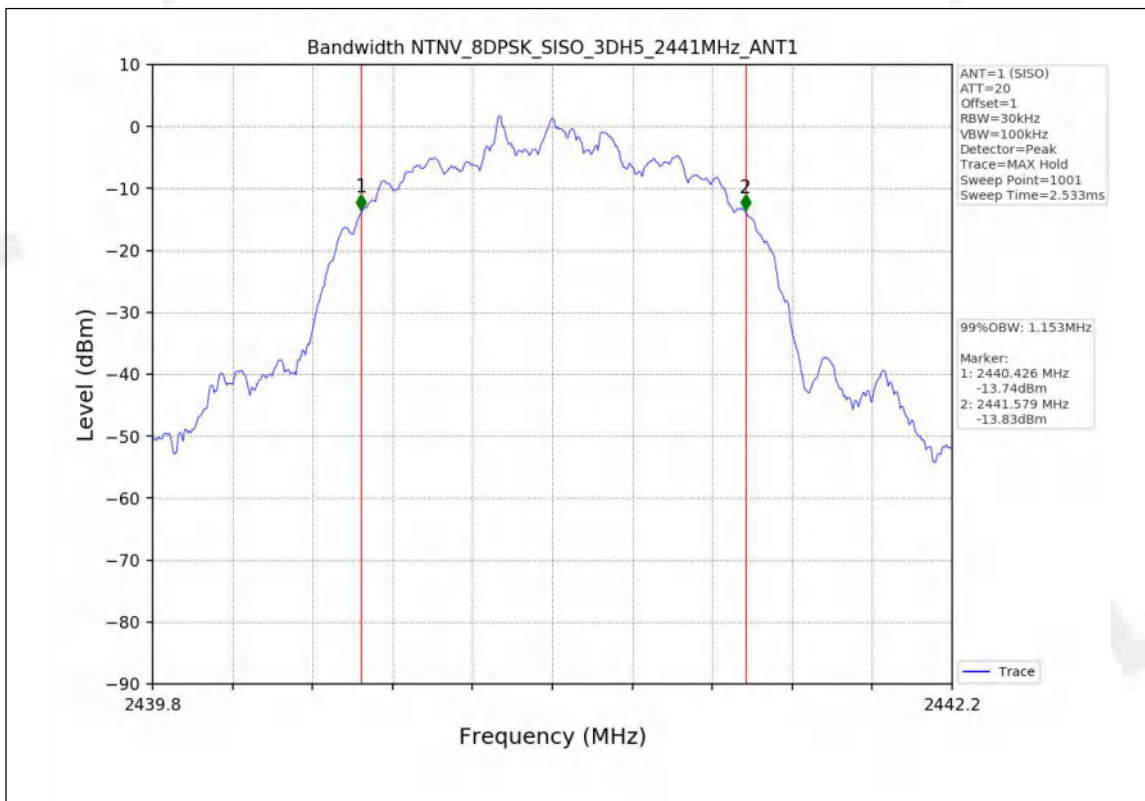
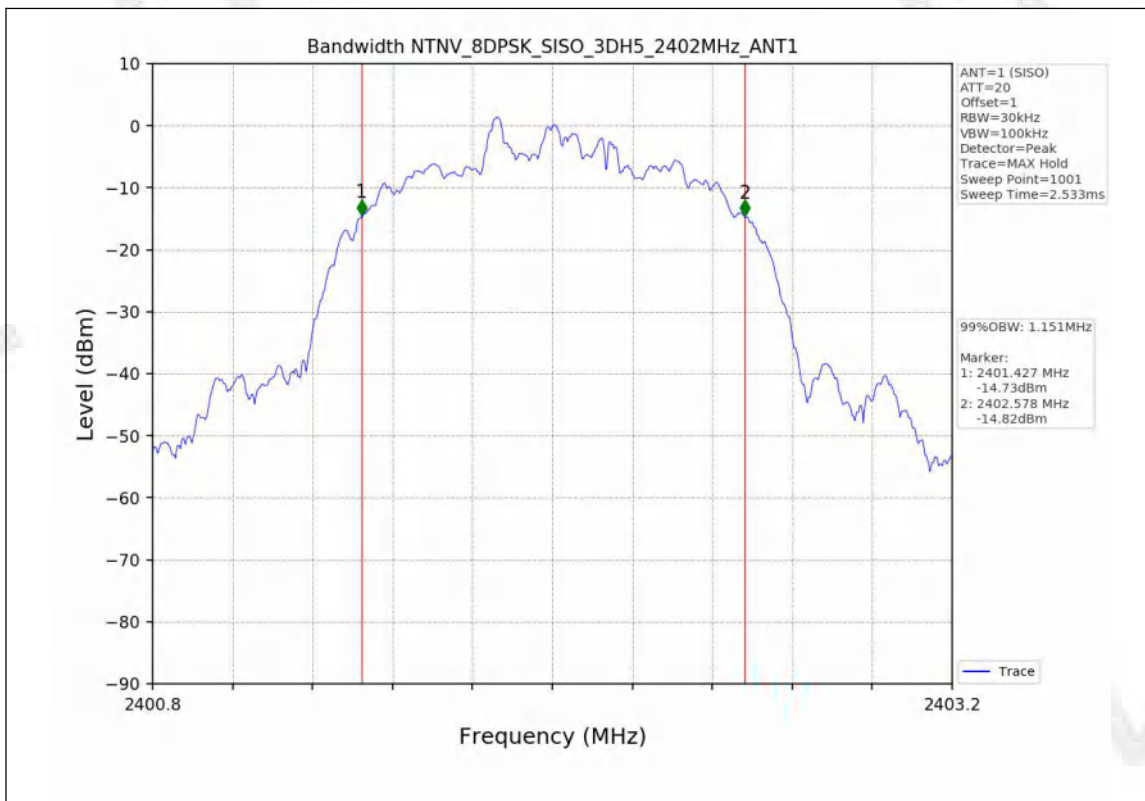
1.3 Test Graph - 99% Occupied Bandwidth

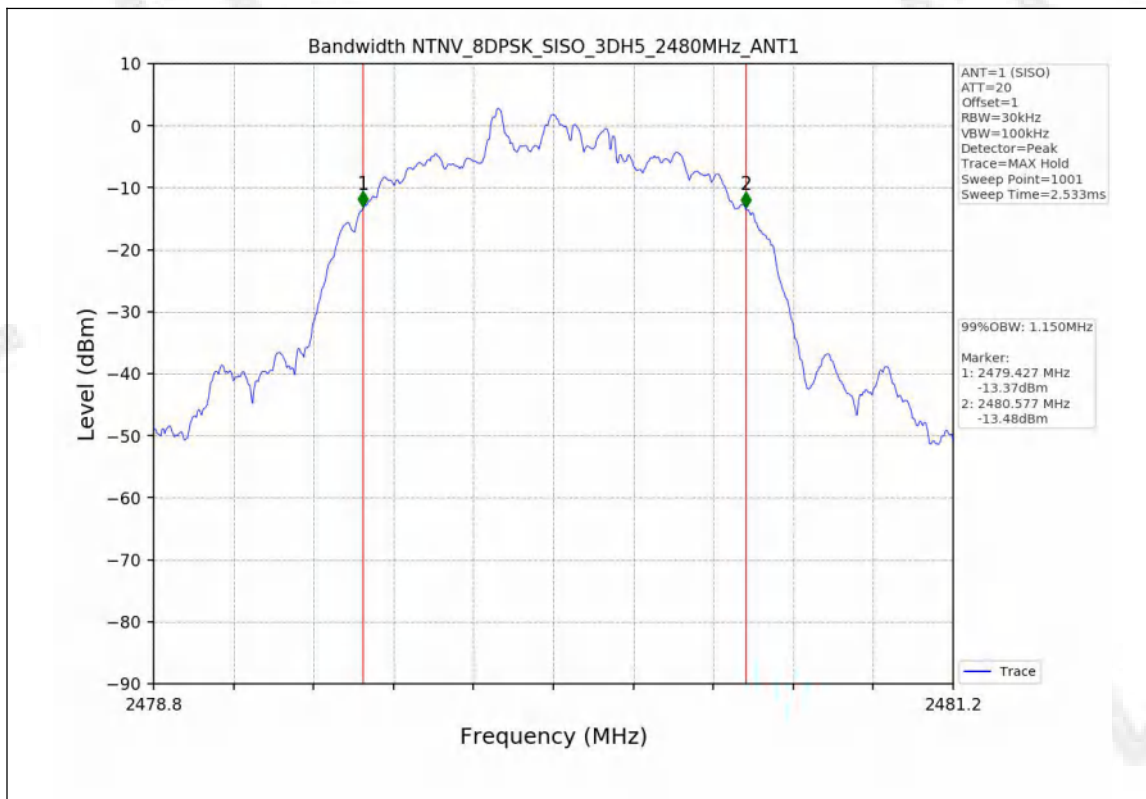










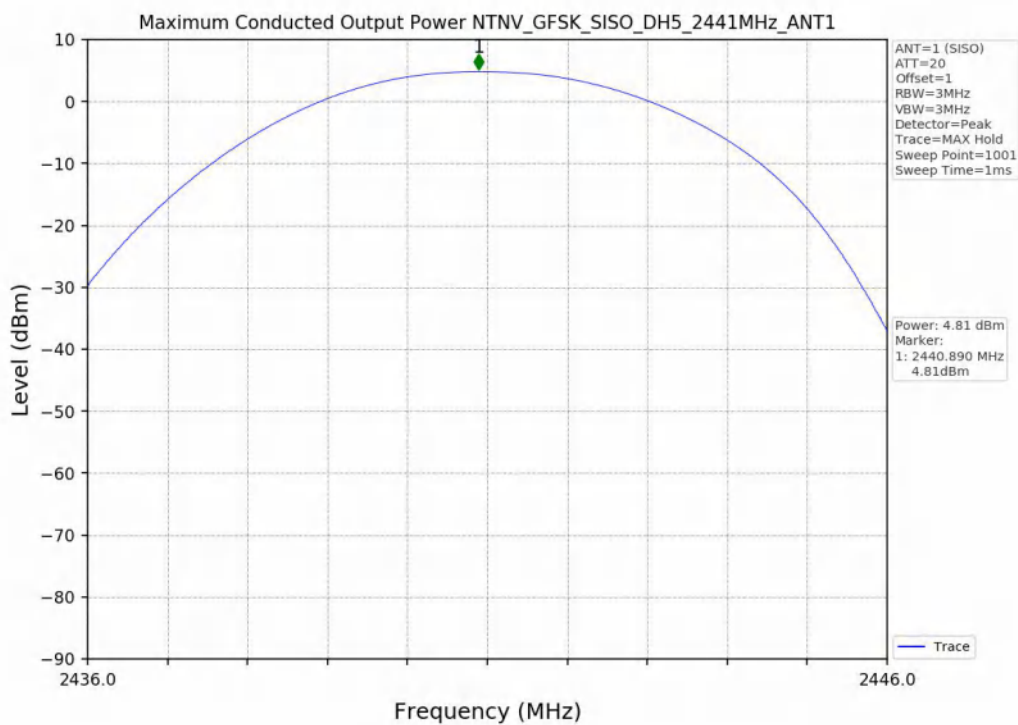


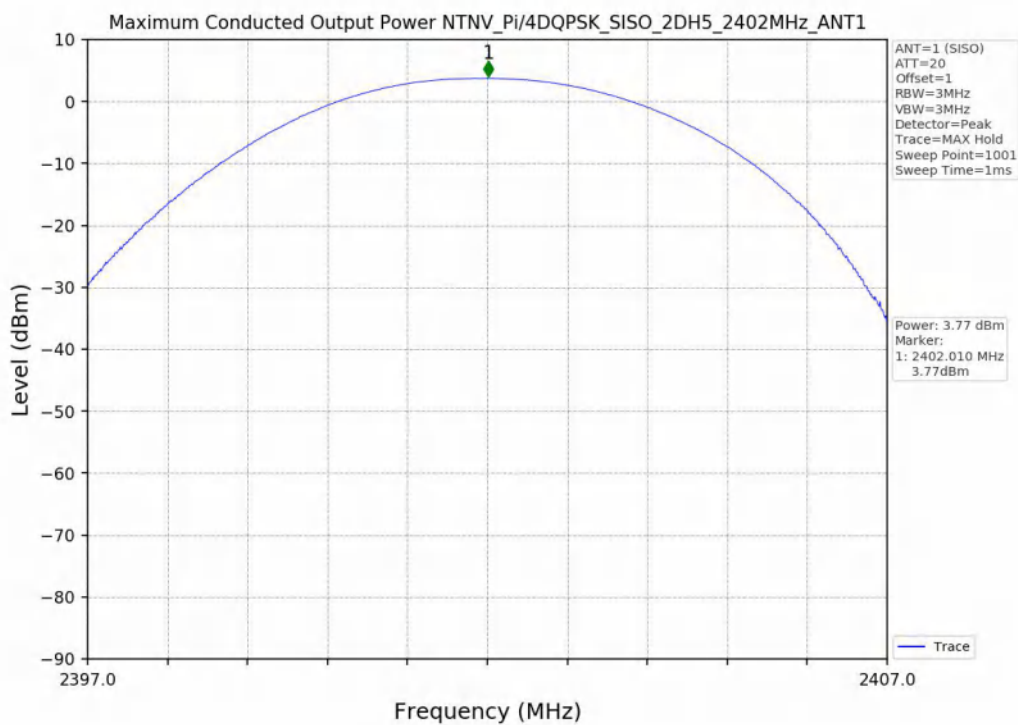
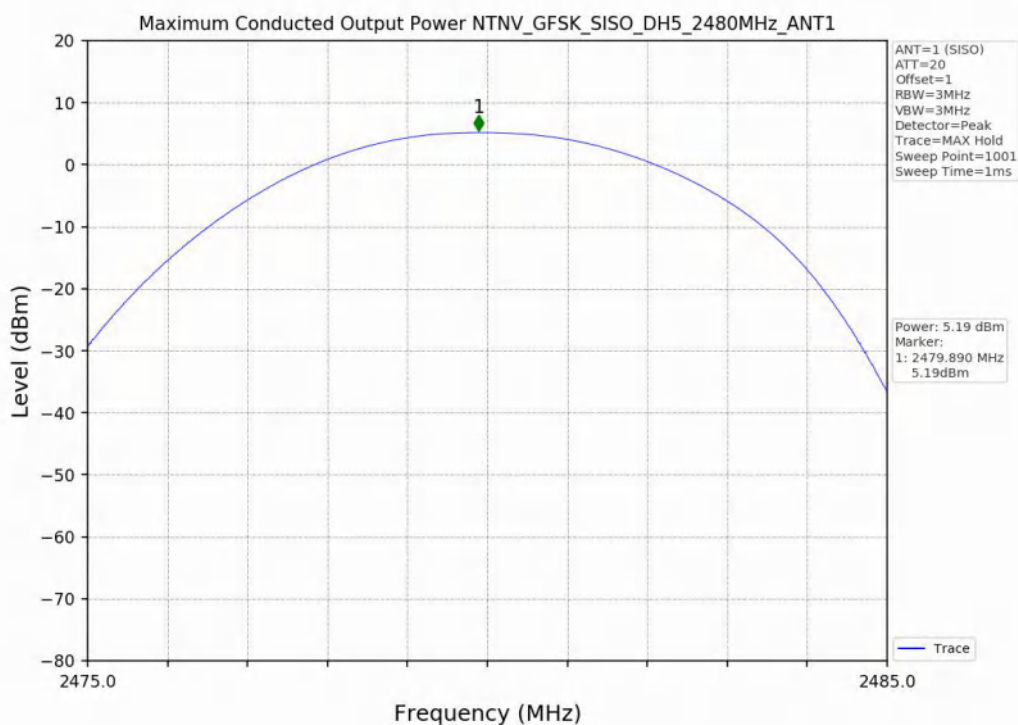
2. Maximum Conducted Output Power

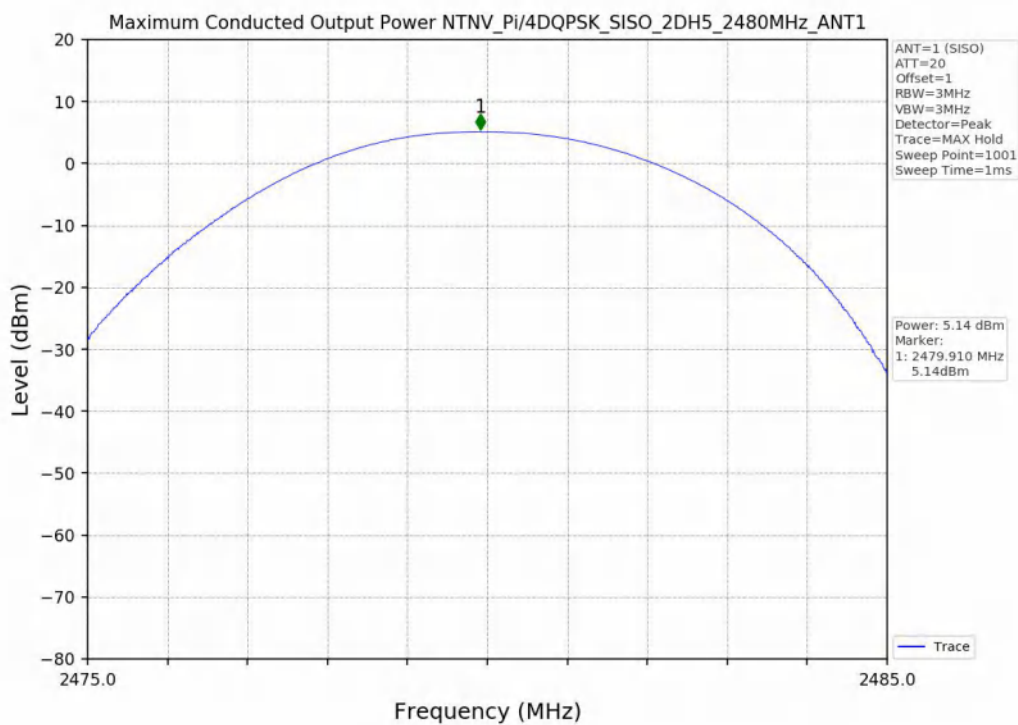
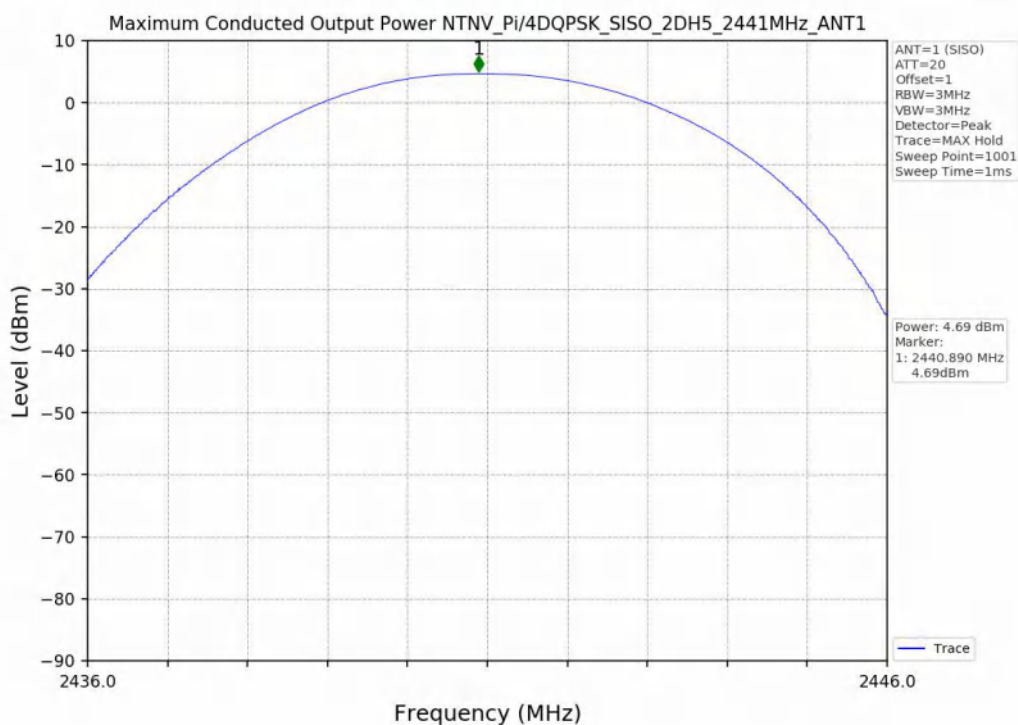
2.1 Test Result

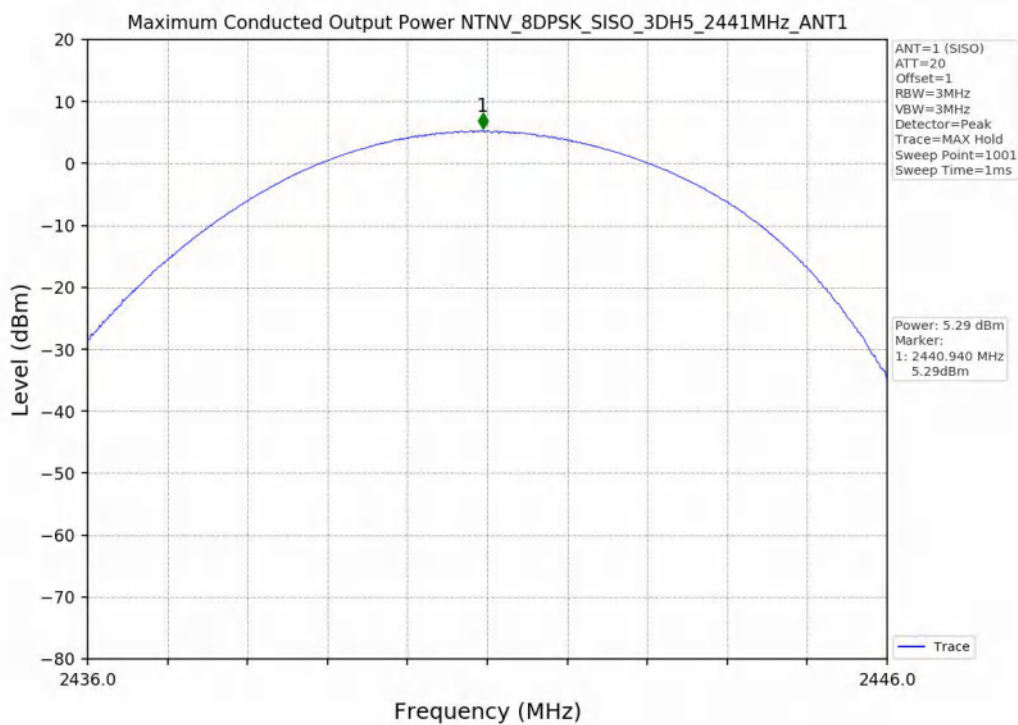
Test Mode	Frequency (MHz)	Tx Type	Measured Peak Output Power (dBm)	Limits (dBm)	Verdict
			Ant 1		
GFSK	2402	SISO	3.91	30	PASS
	2441	SISO	4.81	30	PASS
	2480	SISO	5.19	30	PASS
Pi/4DQPSK	2402	SISO	3.77	20.97	PASS
	2441	SISO	4.69	20.97	PASS
	2480	SISO	5.14	20.97	PASS
8DPSK	2402	SISO	4.31	20.97	PASS
	2441	SISO	5.29	20.97	PASS
	2480	SISO	5.79	20.97	PASS

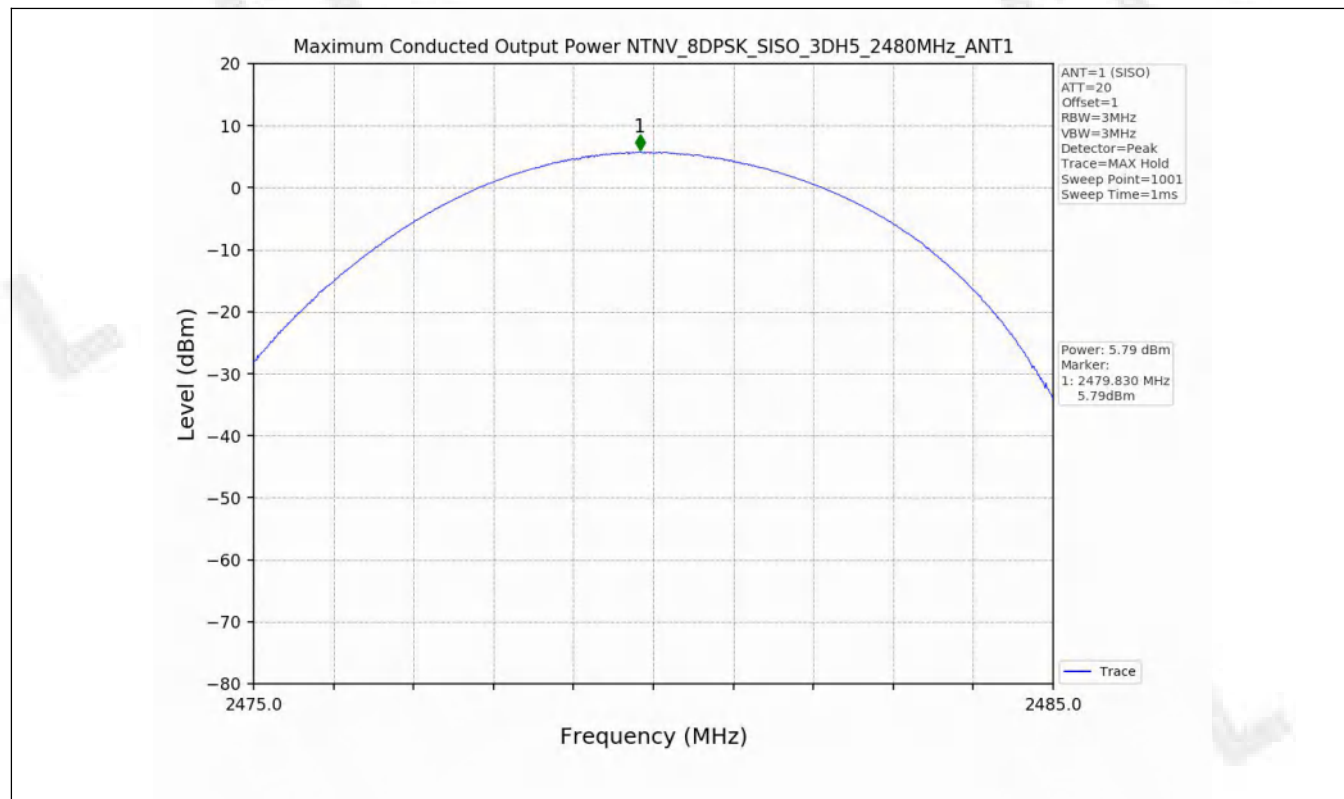
2.2 Test Graph









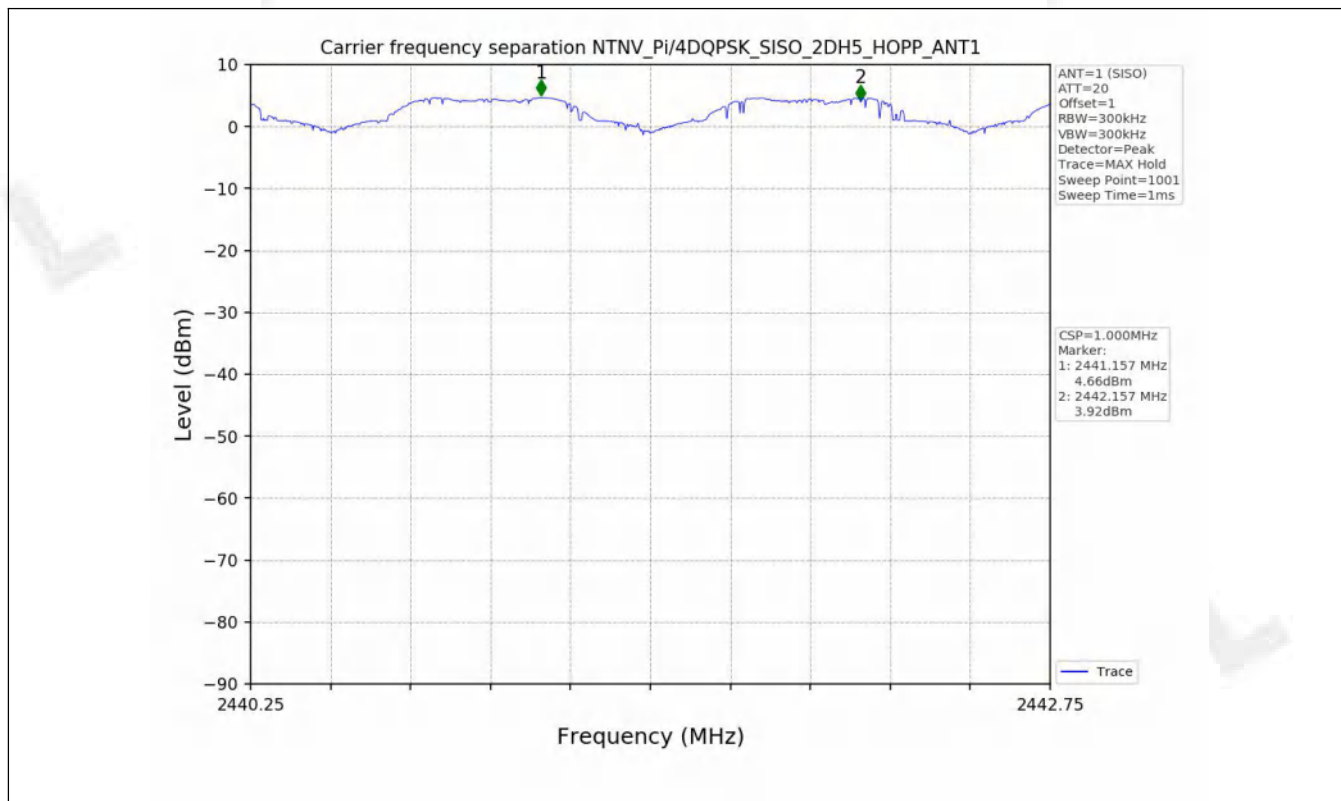
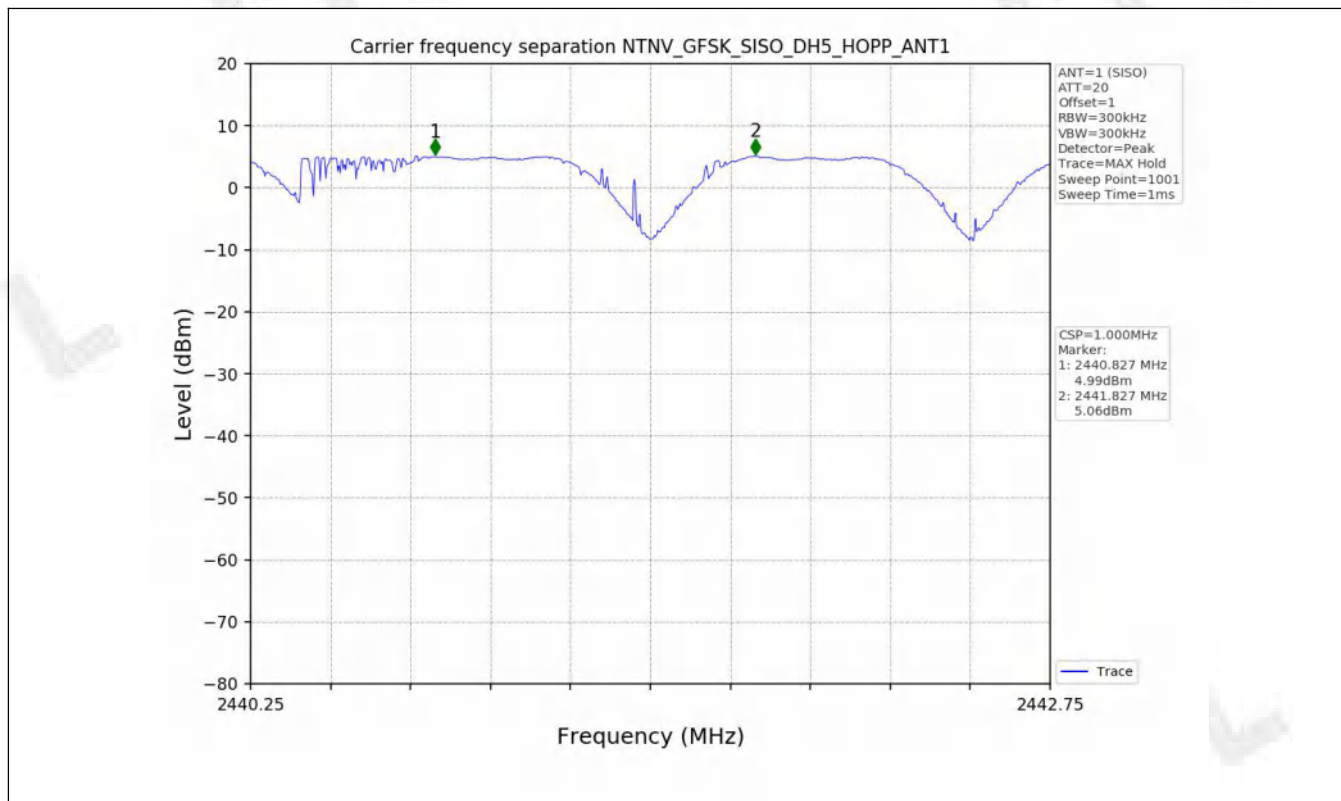


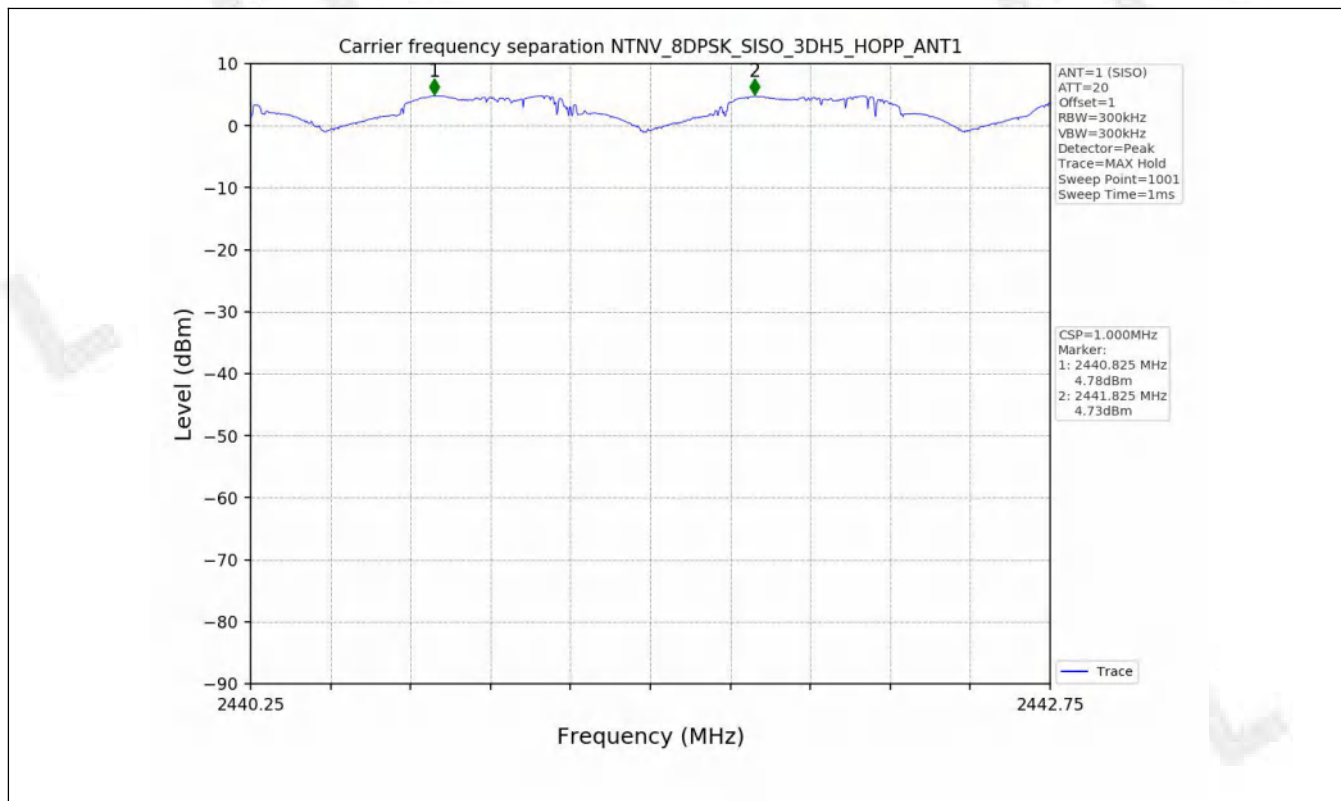
3. Carrier frequency separation

3.1 Test Result

Test Mode	TX Type	ANT No.	Channel Separation (MHz)	20dB Bandwidth (MHz)	Limits (MHz)	Verdict
GFSK	SISO	1	1.000	0.963	≥ 0.963	PASS
Pi/4DQPSK	SISO	1	1.000	1.245	≥ 0.830	PASS
8DPSK	SISO	1	1.000	1.283	≥ 0.855	PASS

3.2 Test Graph



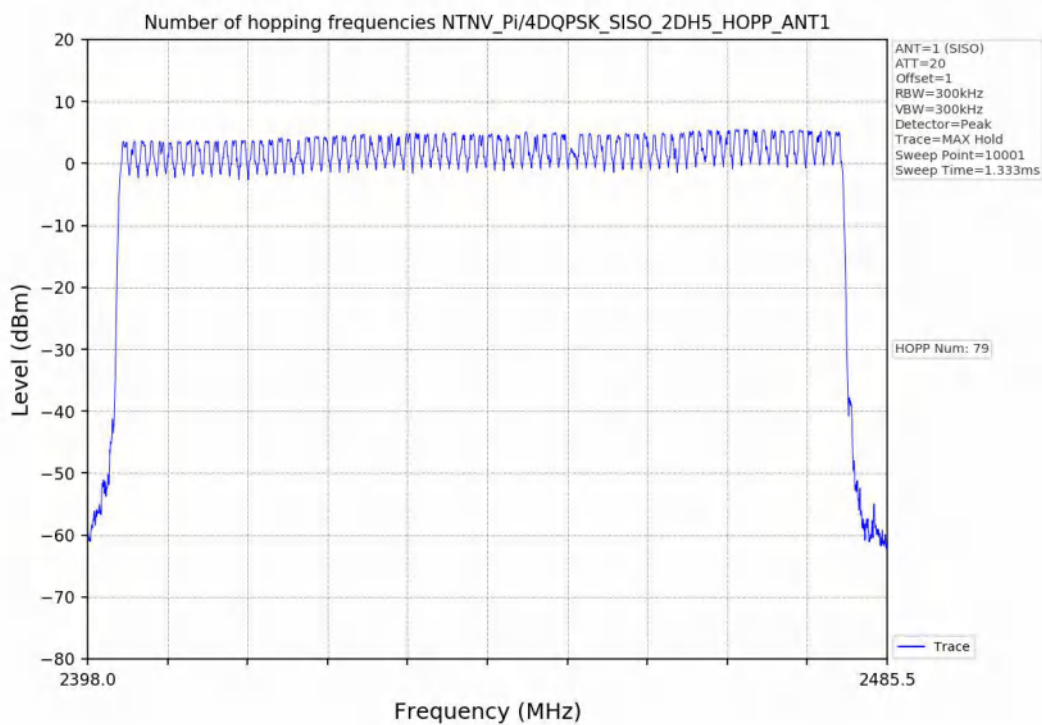
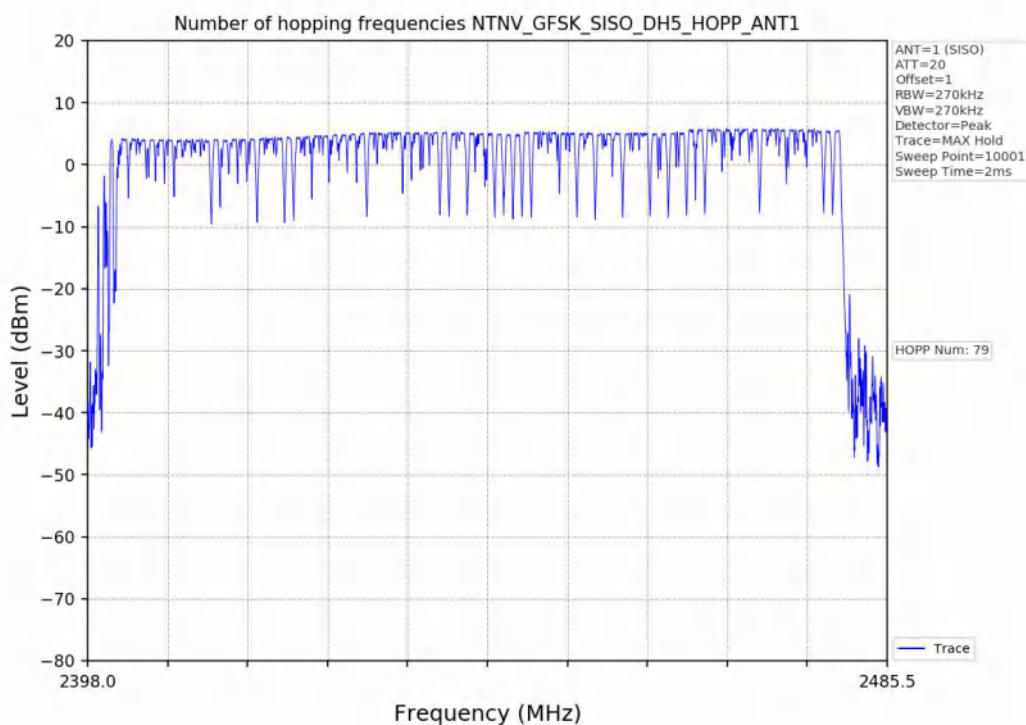


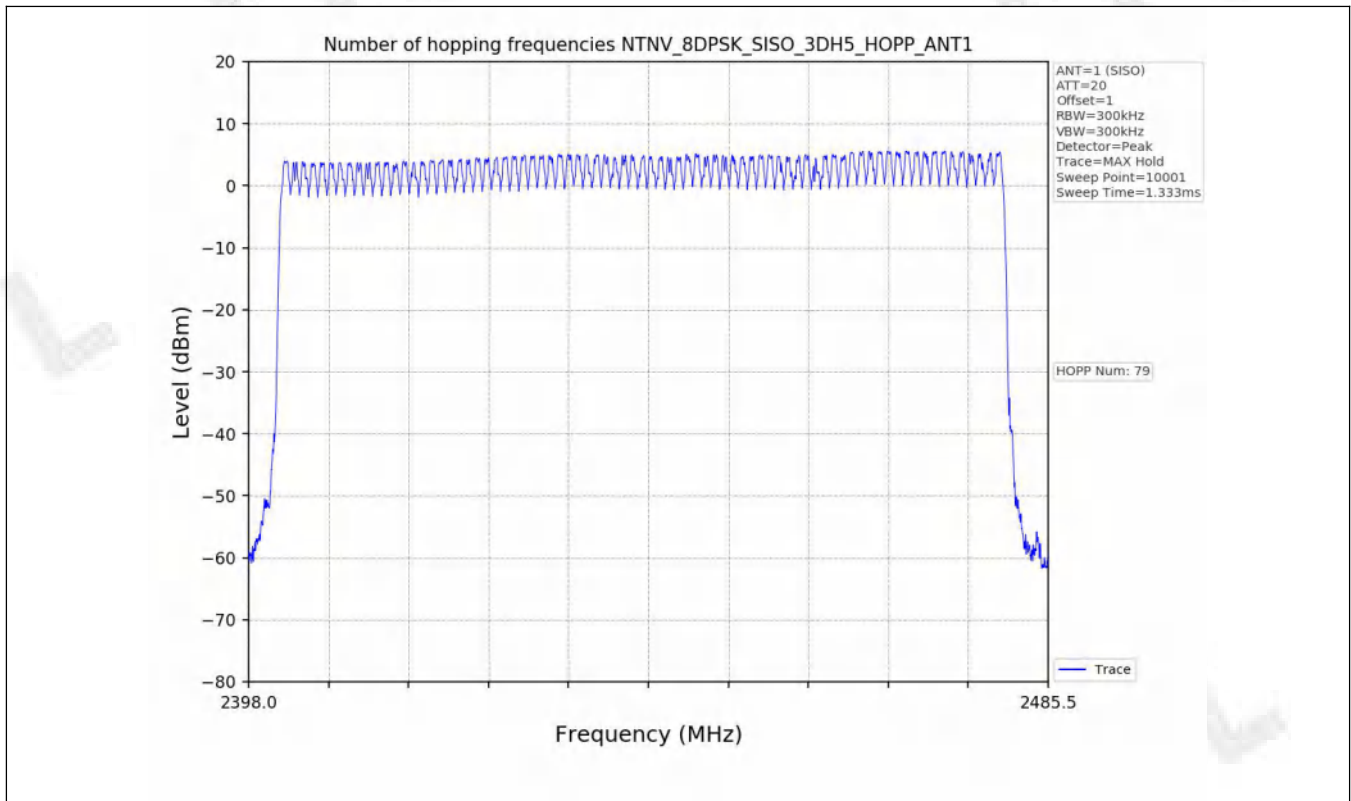
4. Number of hopping frequencies

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



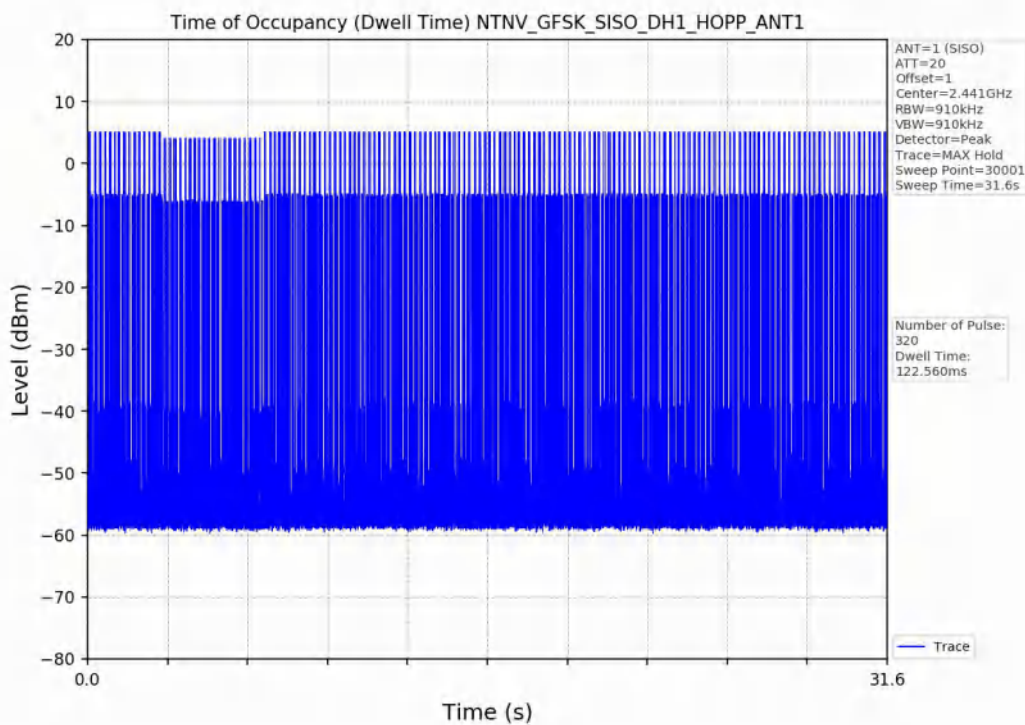
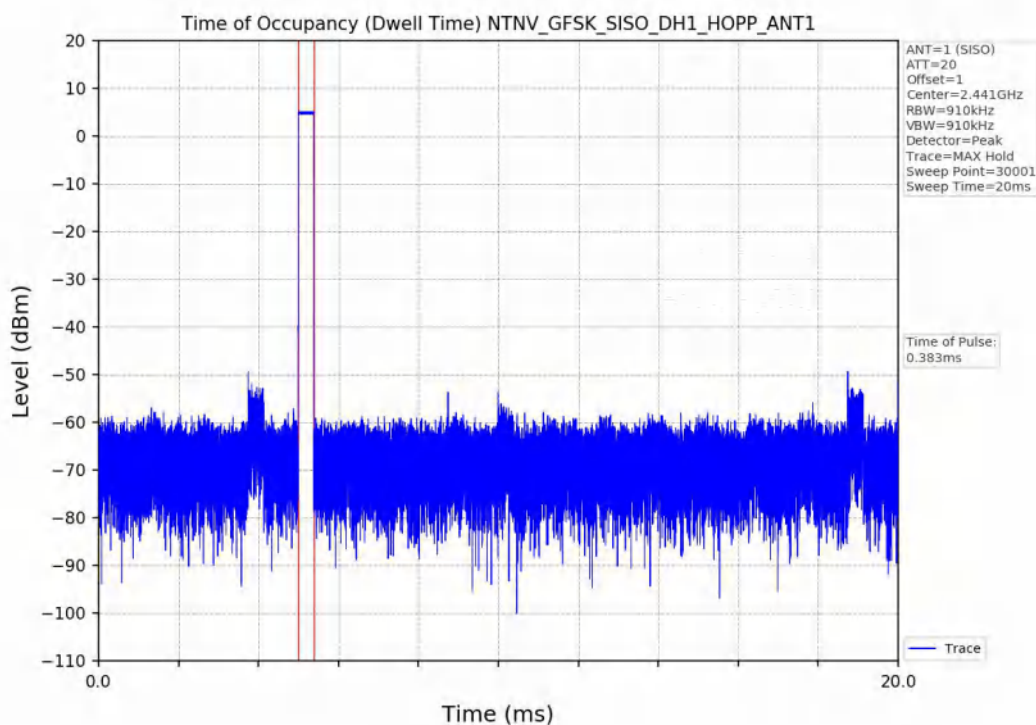


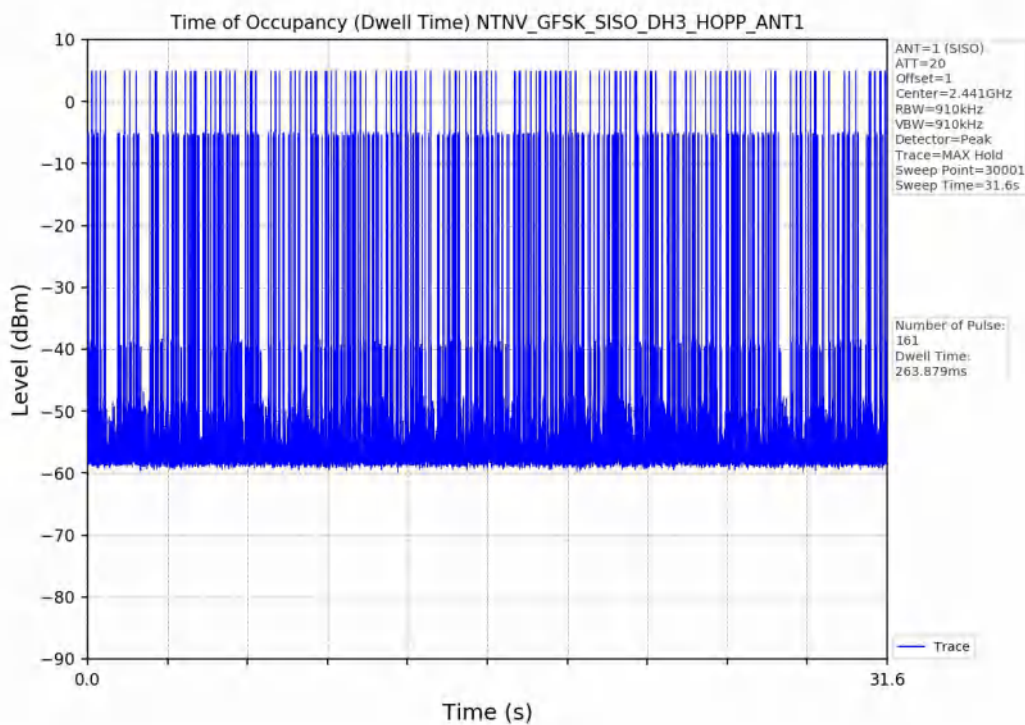
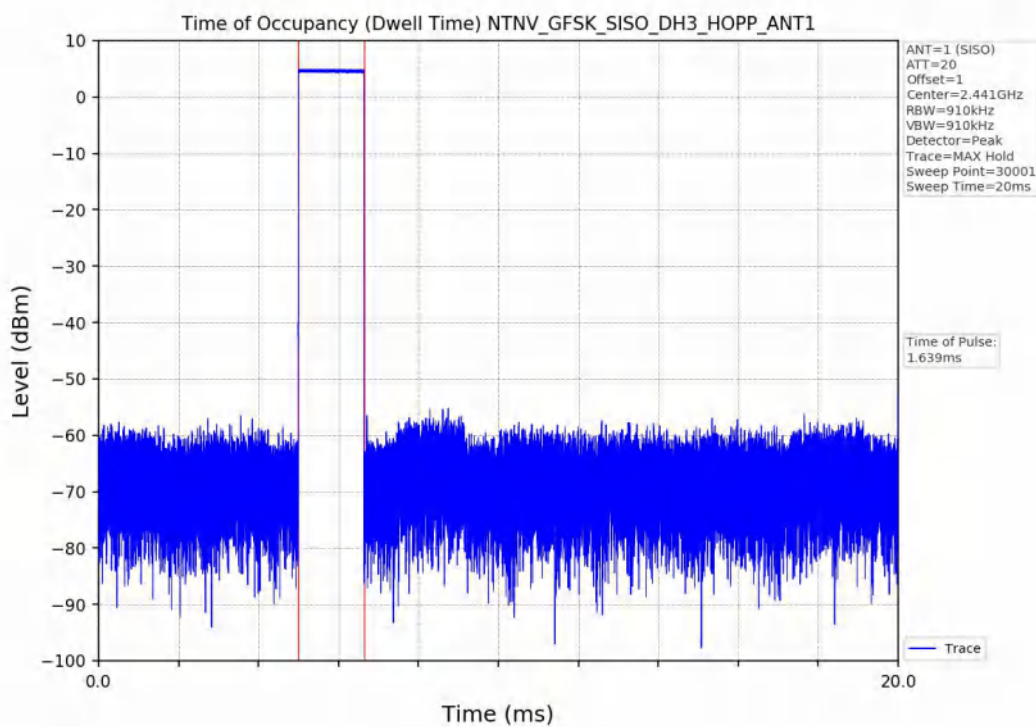
5. Time of Occupancy (Dwell Time)

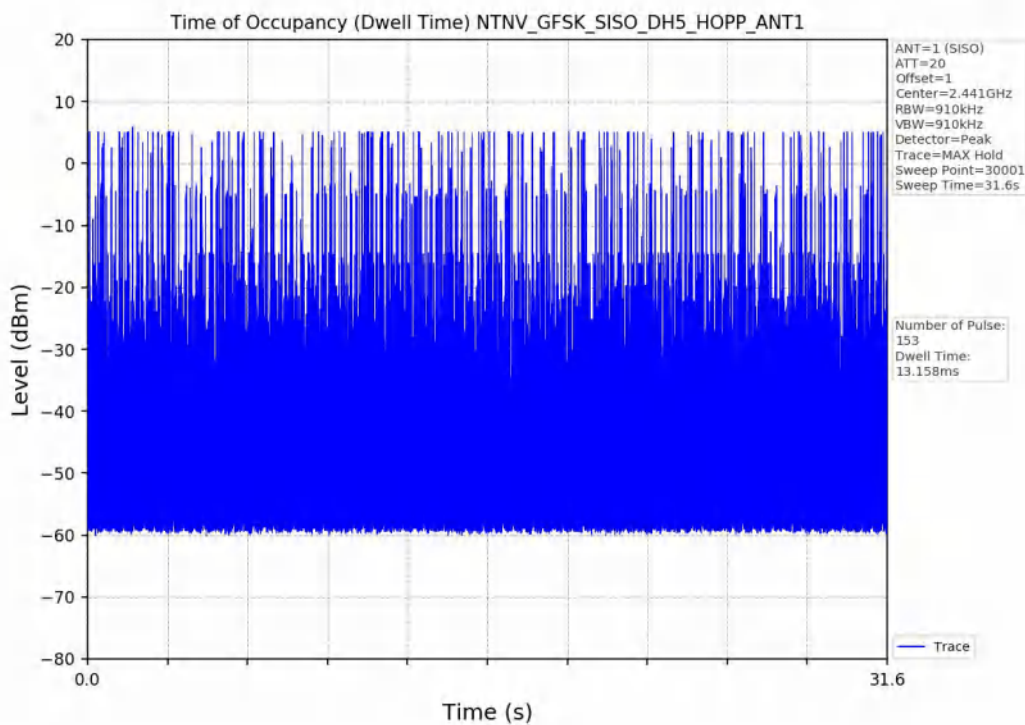
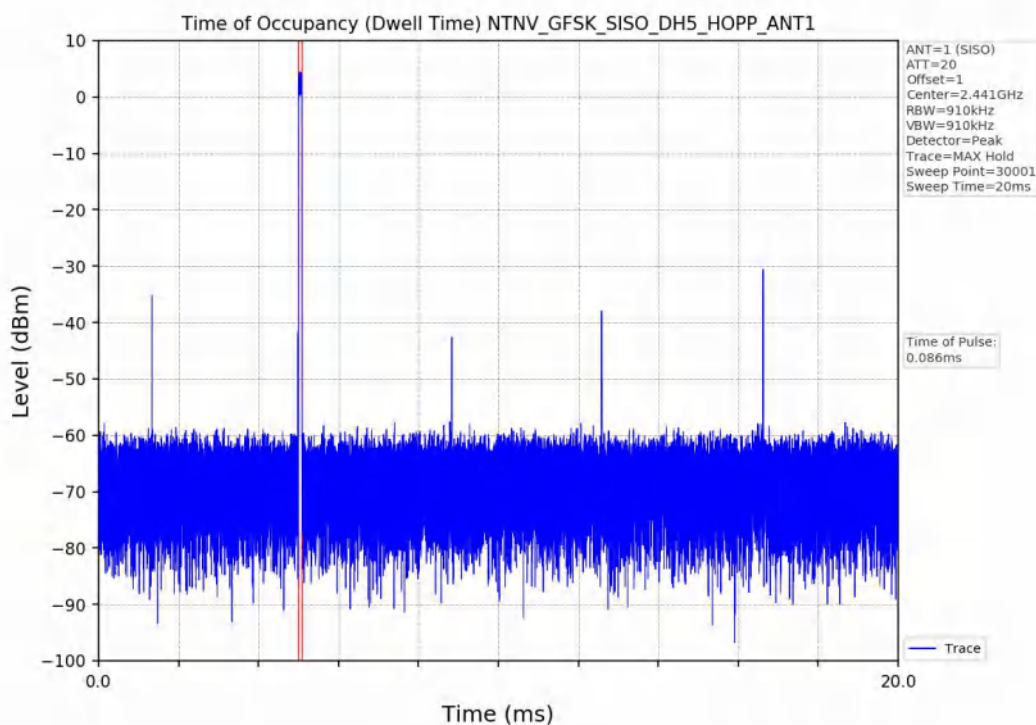
5.1 Test Result

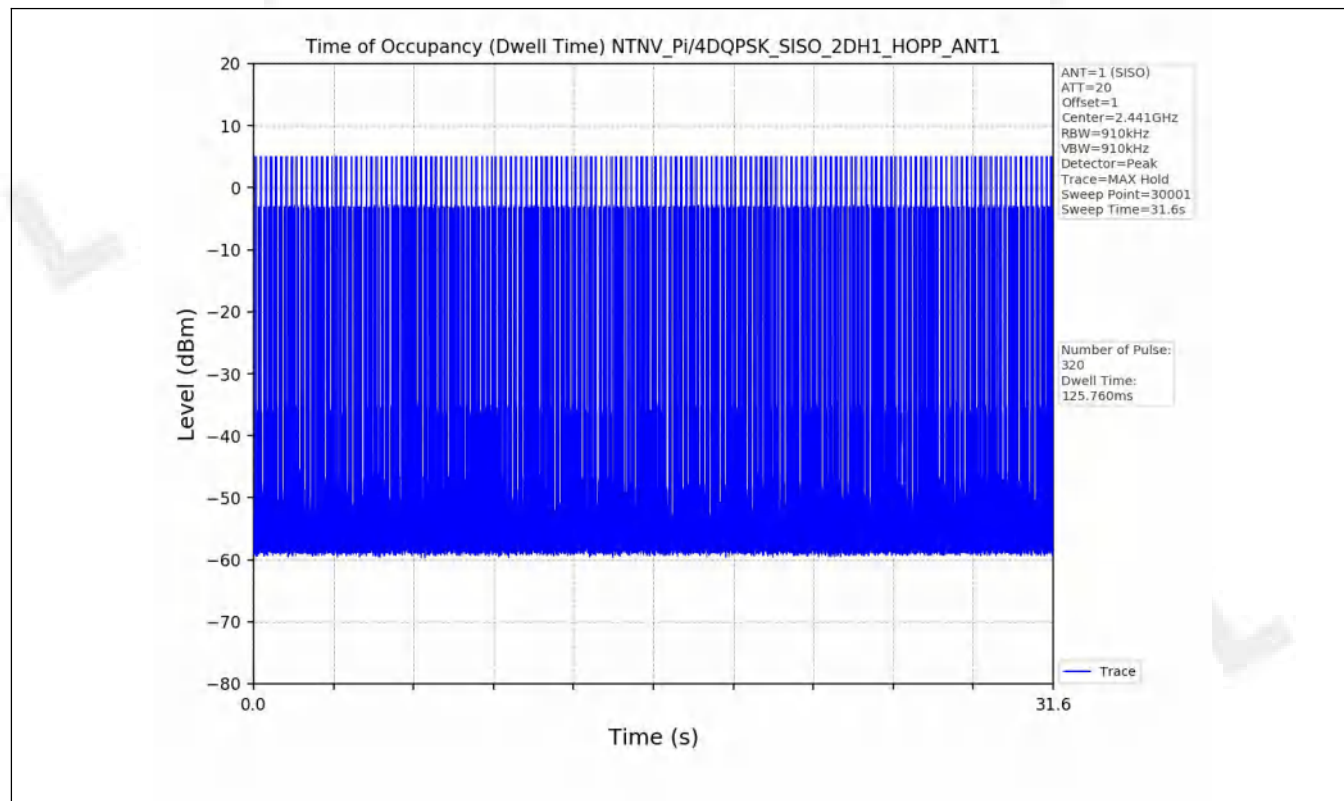
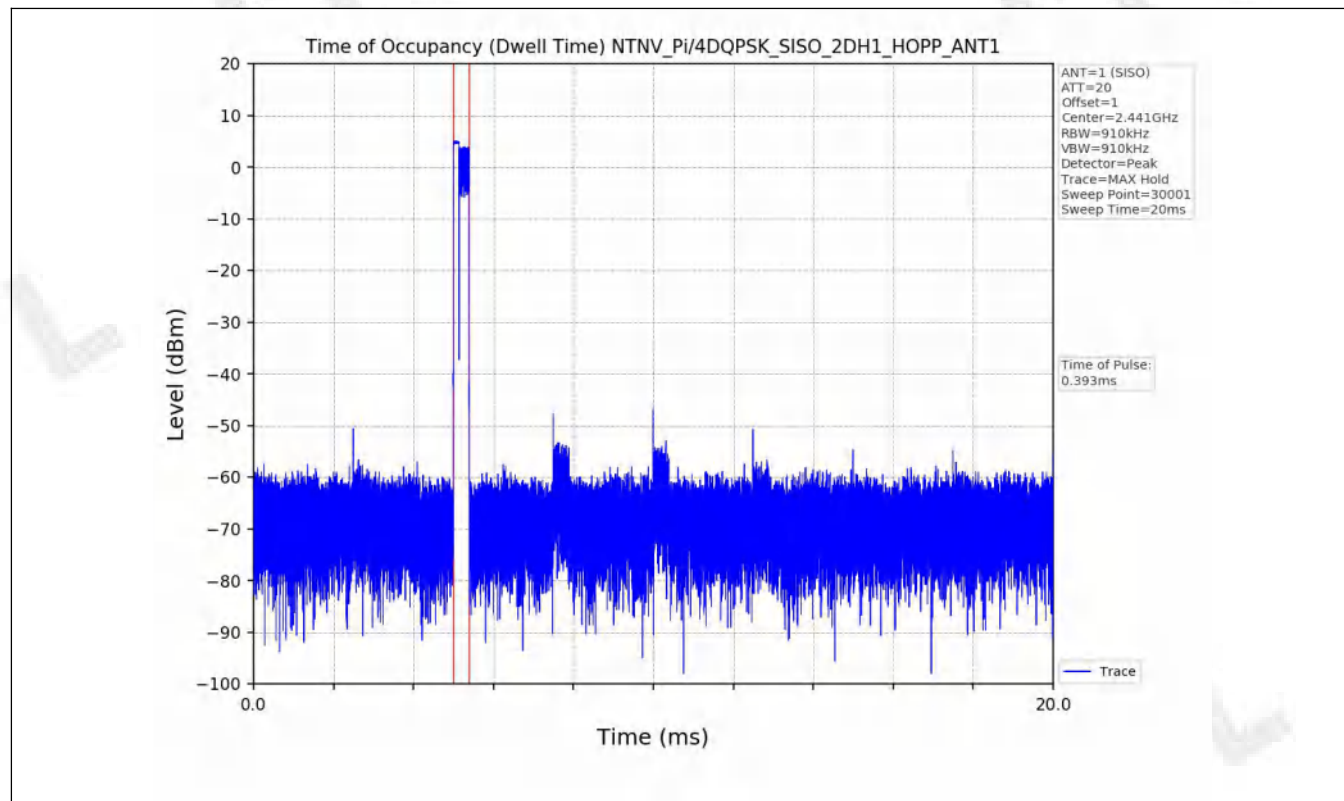
Test Mode	Packet Type	TX Type	ANT No.	Duration of Single Pulse (ms)	Observation Period (s)	Num of Pulse in Observation Period	Dwell Time (ms)	Limits (ms)	Verdict
GFSK	DH1	SISO	1	0.383	31.6	320	122.560	≤400	PASS
	DH3	SISO	1	1.639	31.6	161	263.879	≤400	PASS
	DH5	SISO	1	0.086	31.6	153	13.158	≤400	PASS
Pi/4DQPSK	2DH1	SISO	1	0.393	31.6	320	125.760	≤400	PASS
	2DH3	SISO	1	1.646	31.6	157	258.422	≤400	PASS
	2DH5	SISO	1	2.895	31.6	111	321.345	≤400	PASS
8DPSK	3DH1	SISO	1	0.395	31.6	320	126.400	≤400	PASS
	3DH3	SISO	1	1.646	31.6	169	278.174	≤400	PASS
	3DH5	SISO	1	2.895	31.6	100	289.500	≤400	PASS

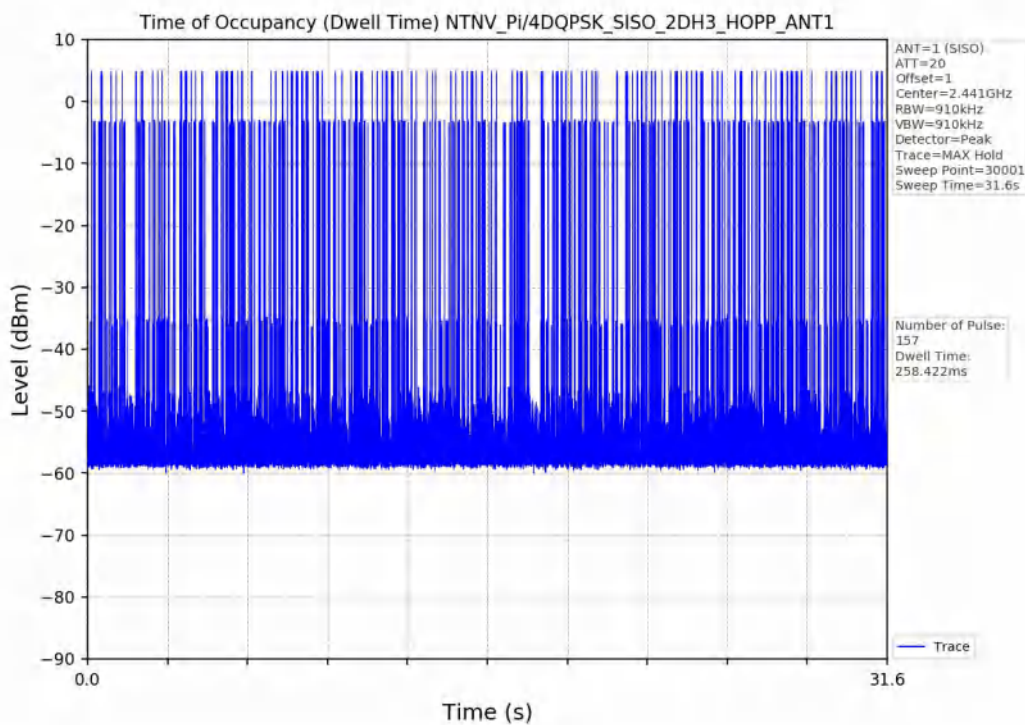
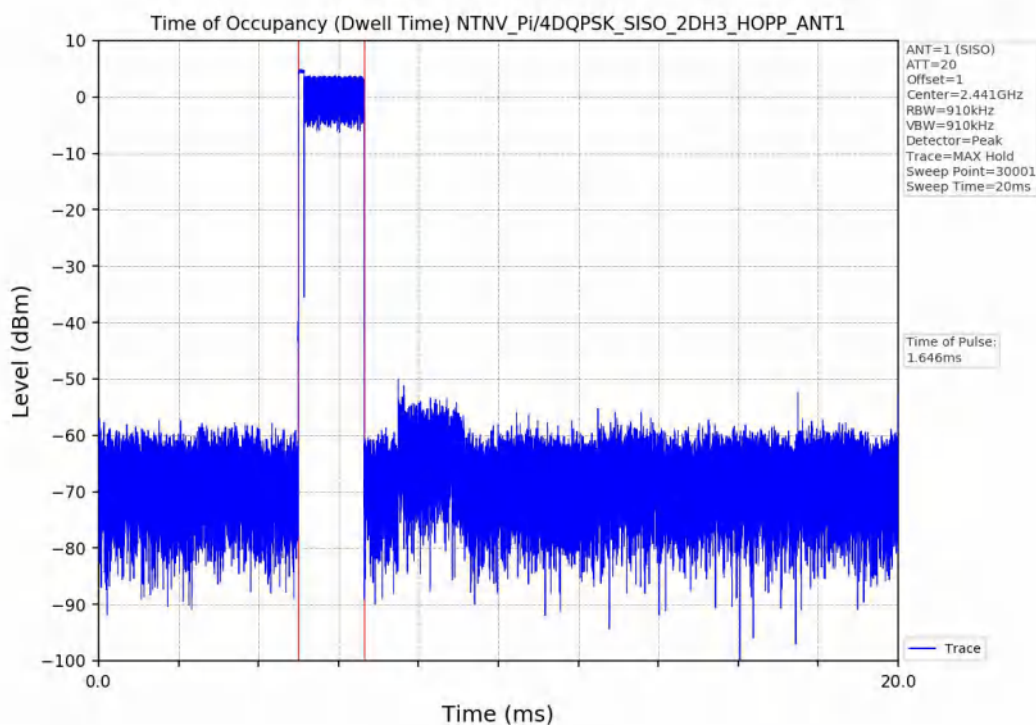
5.2 Test Graph

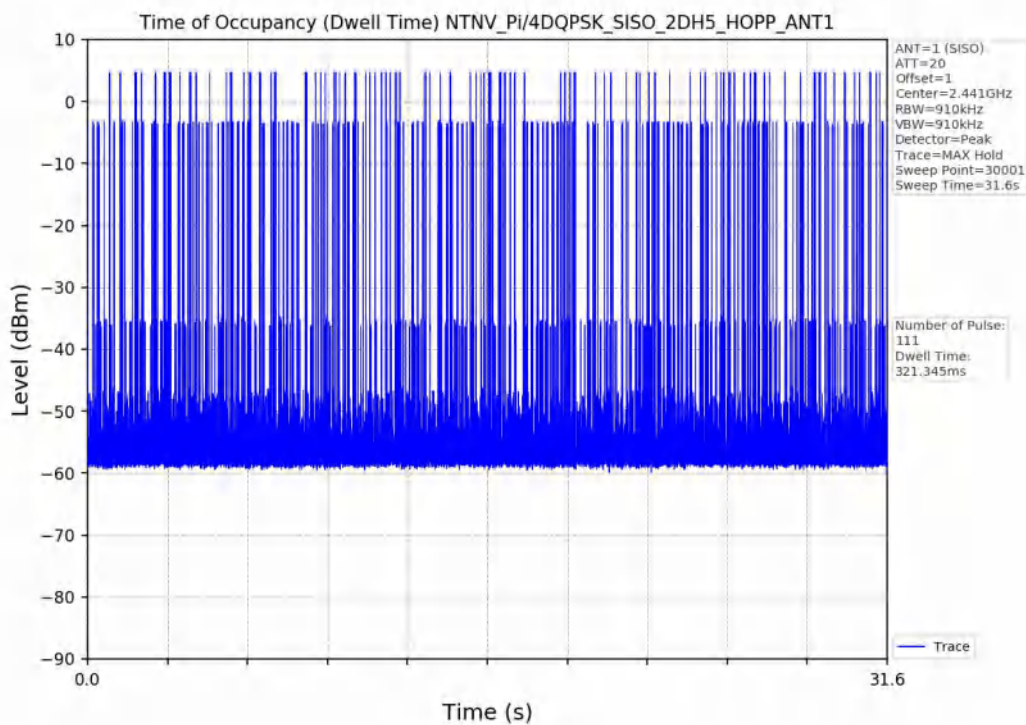
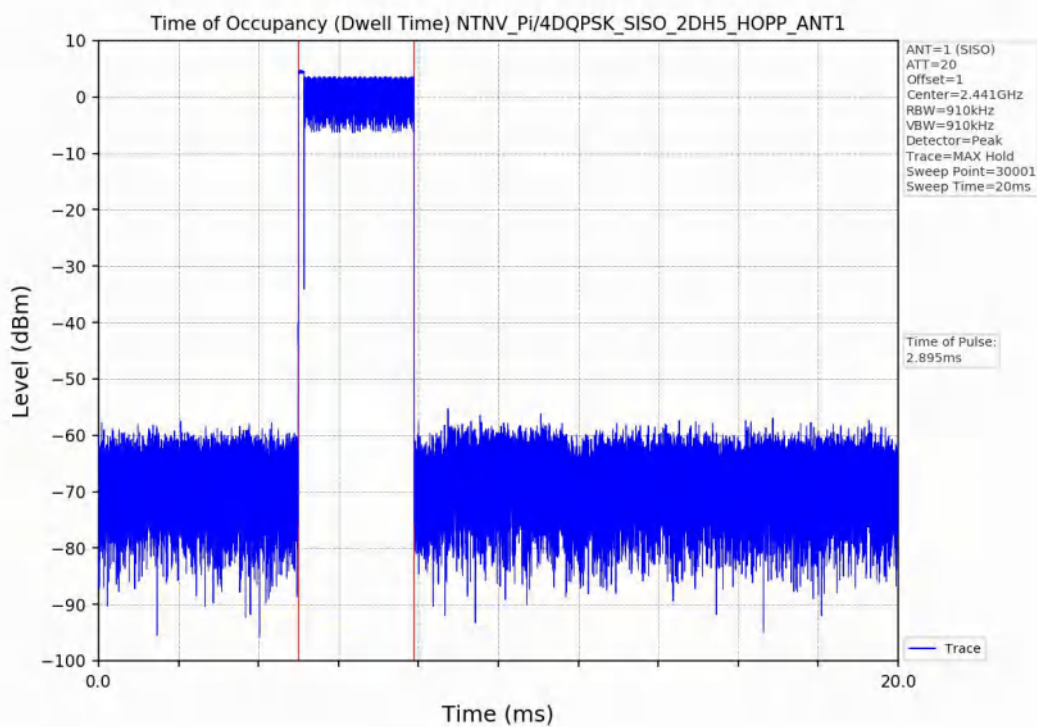


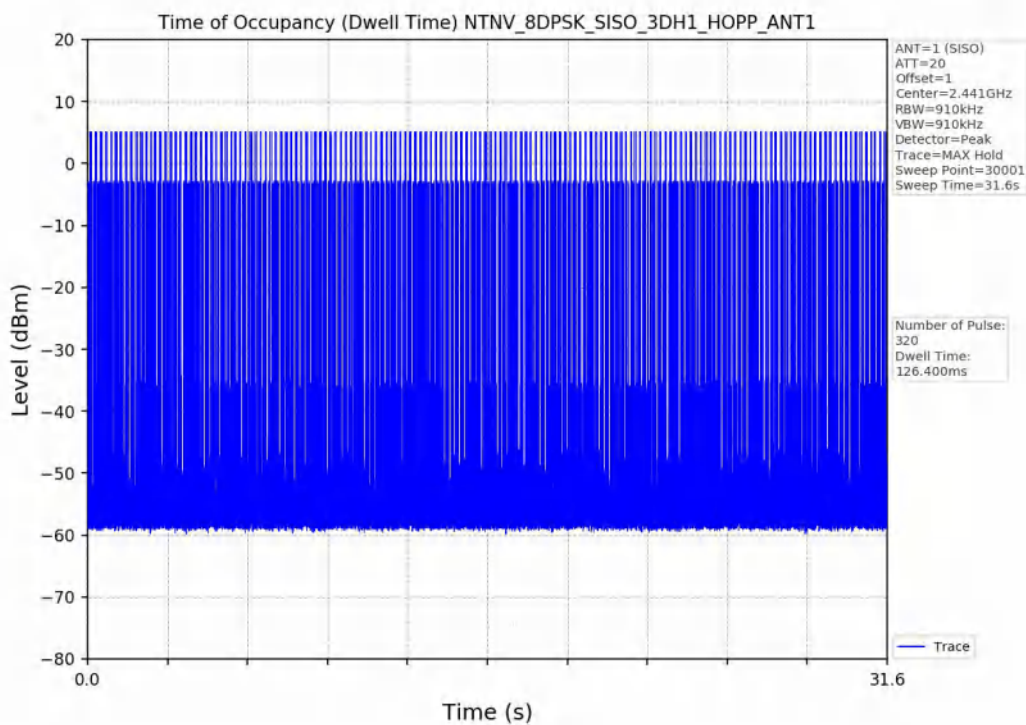
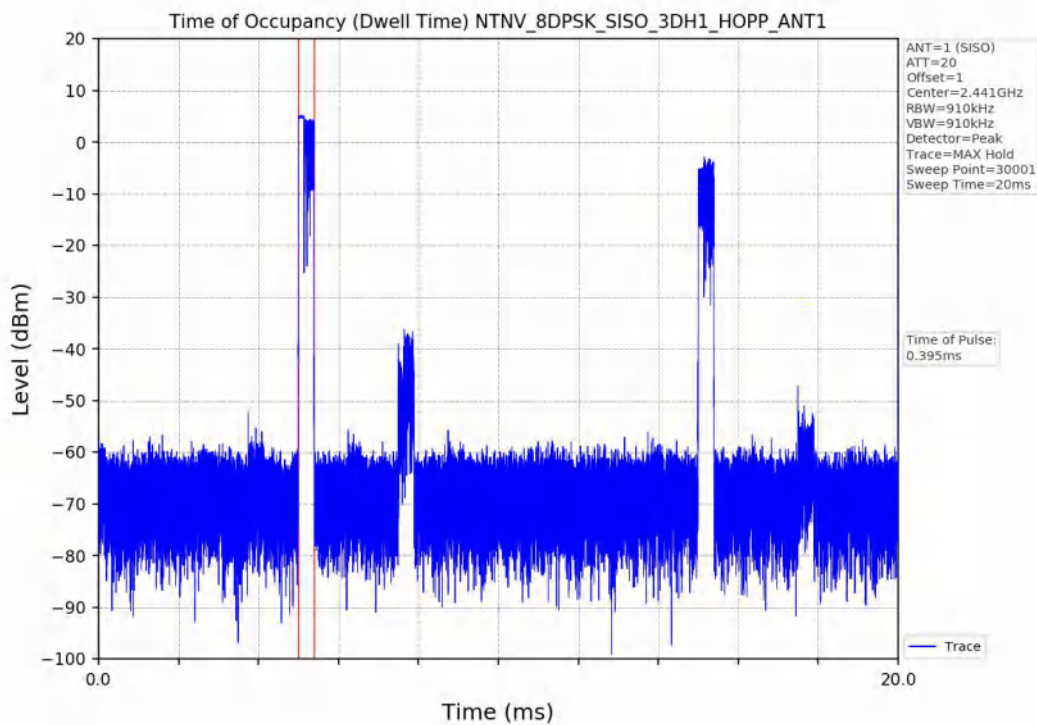


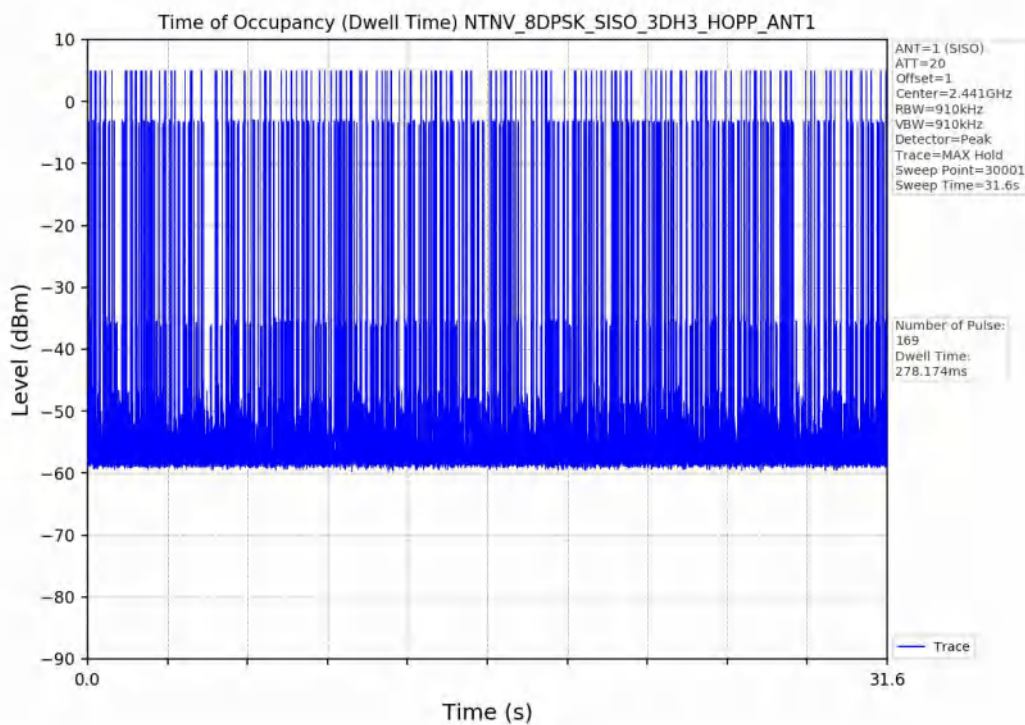
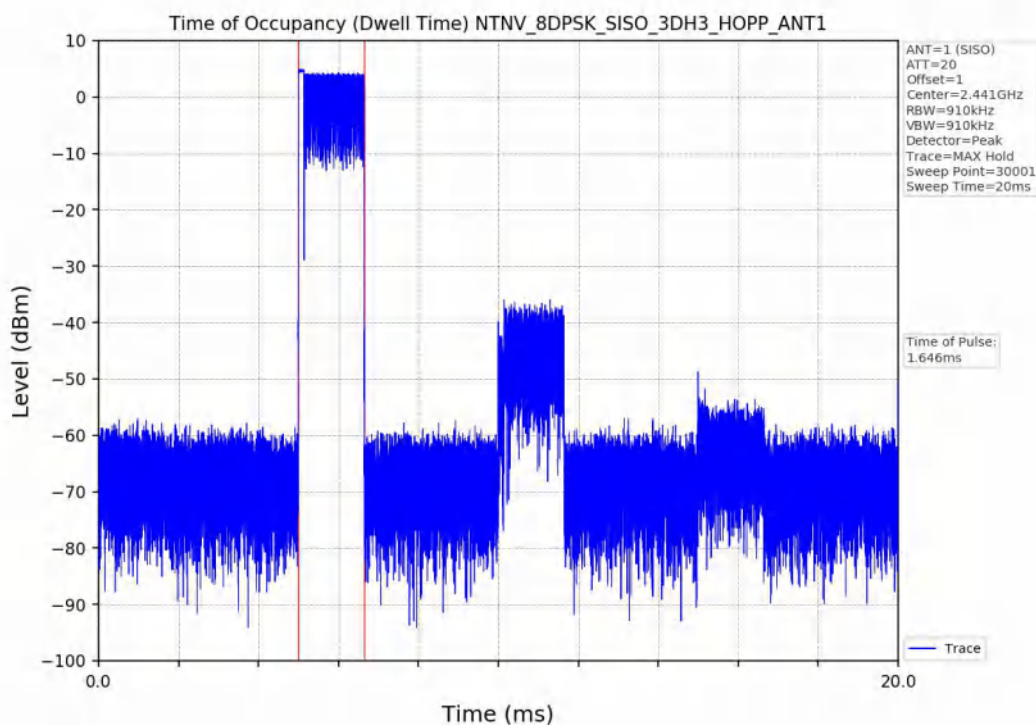


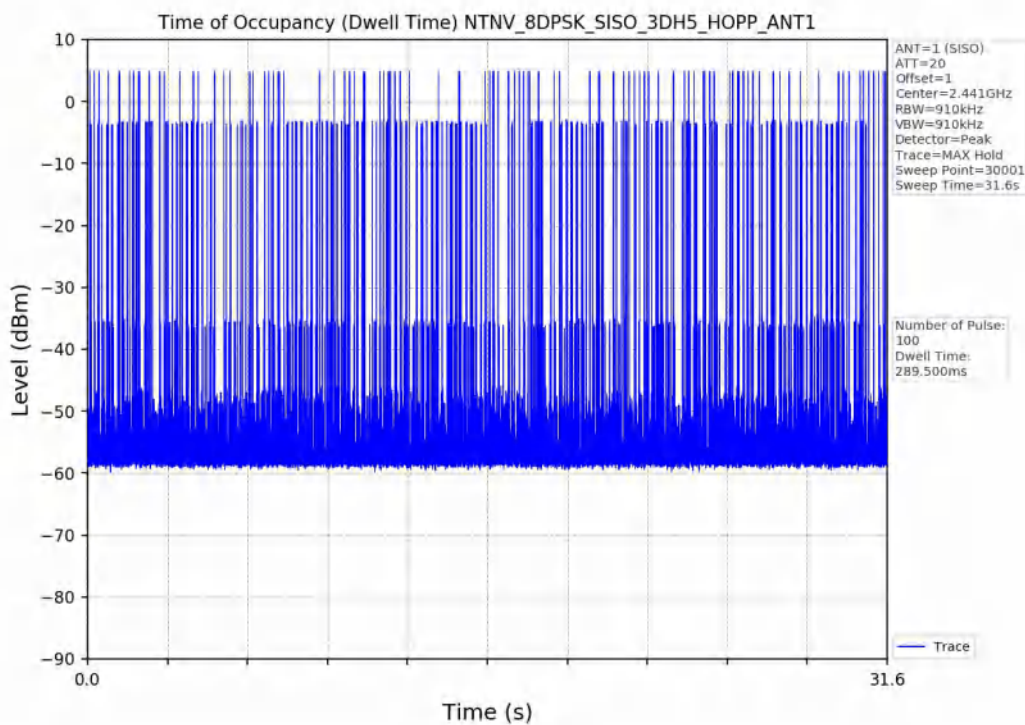
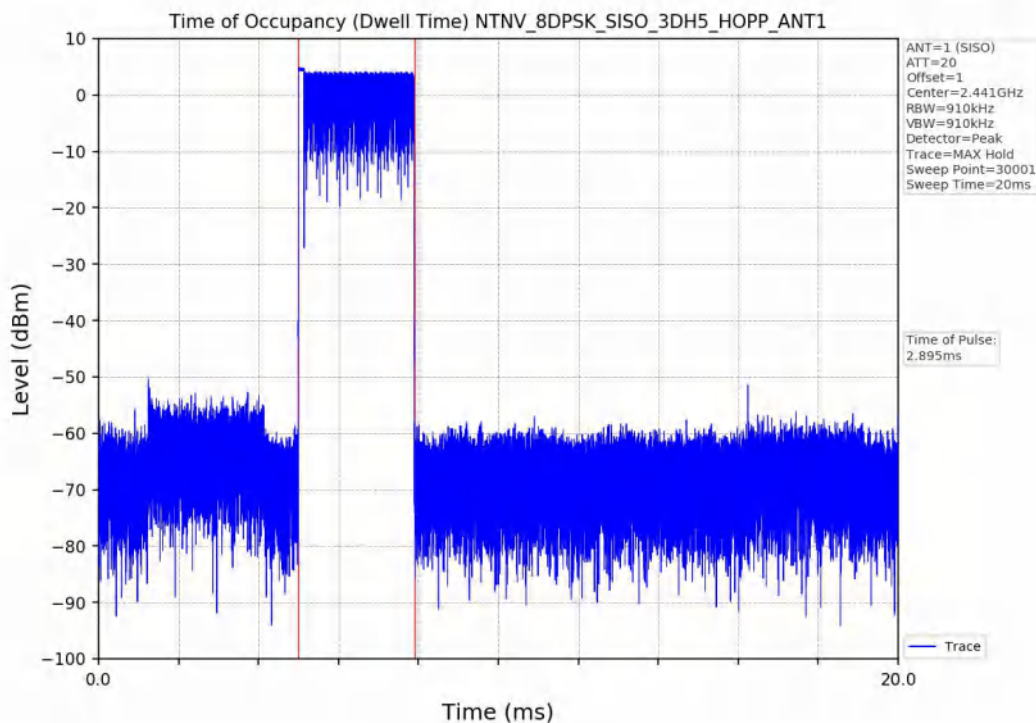










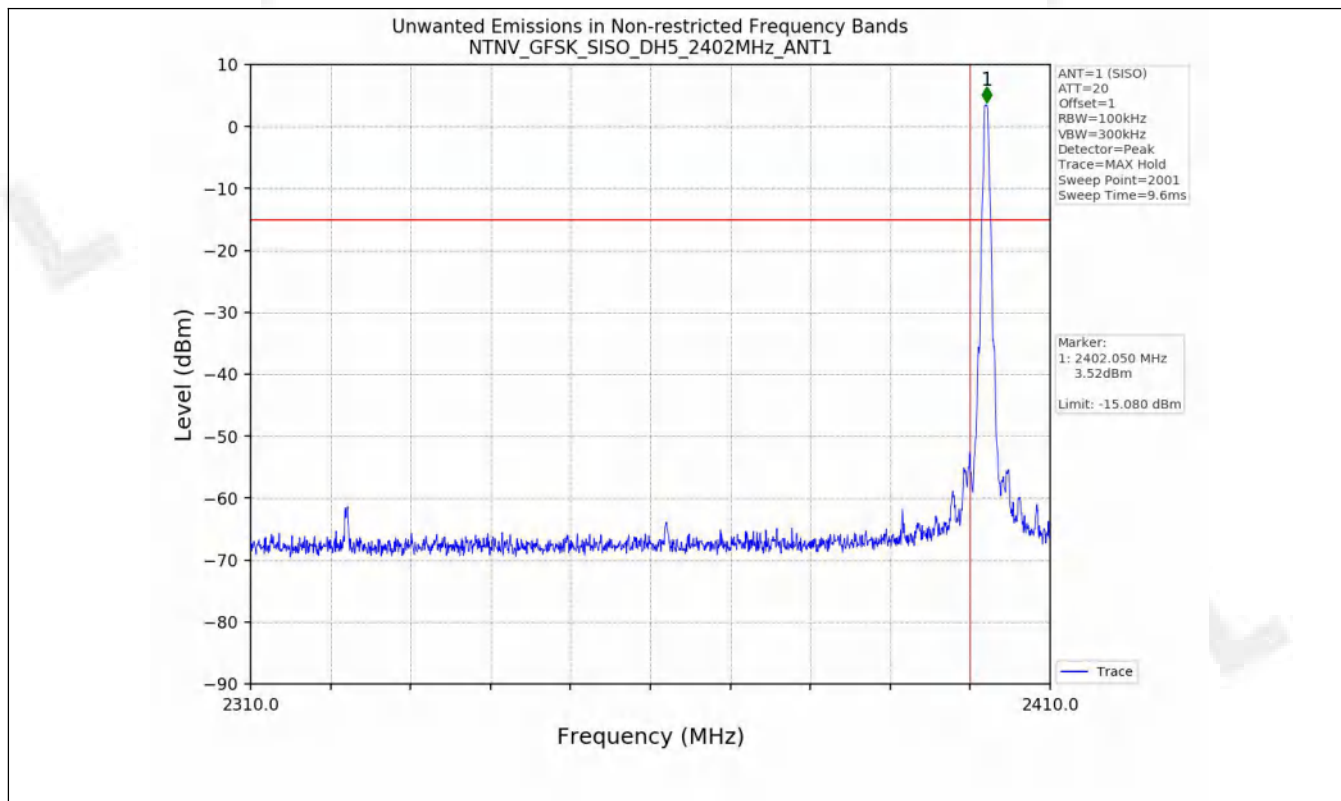
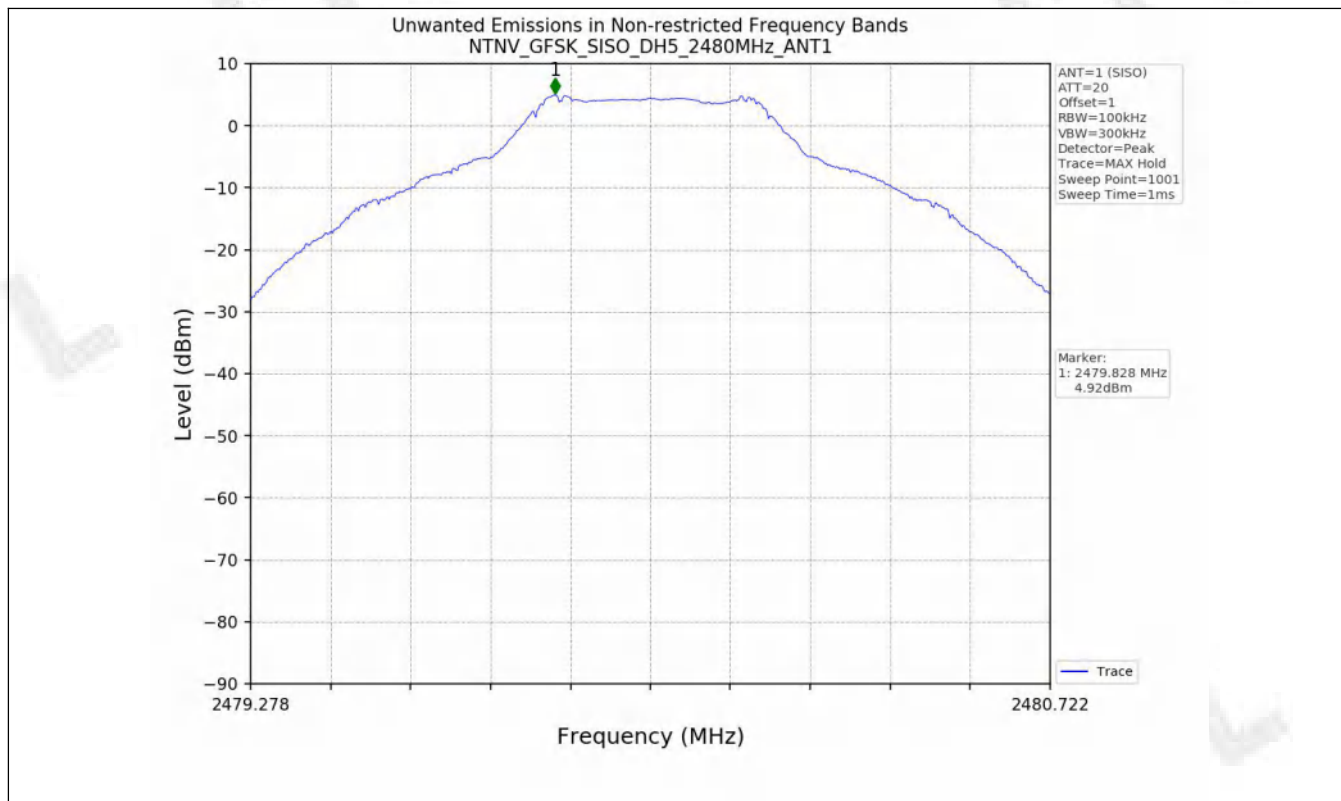


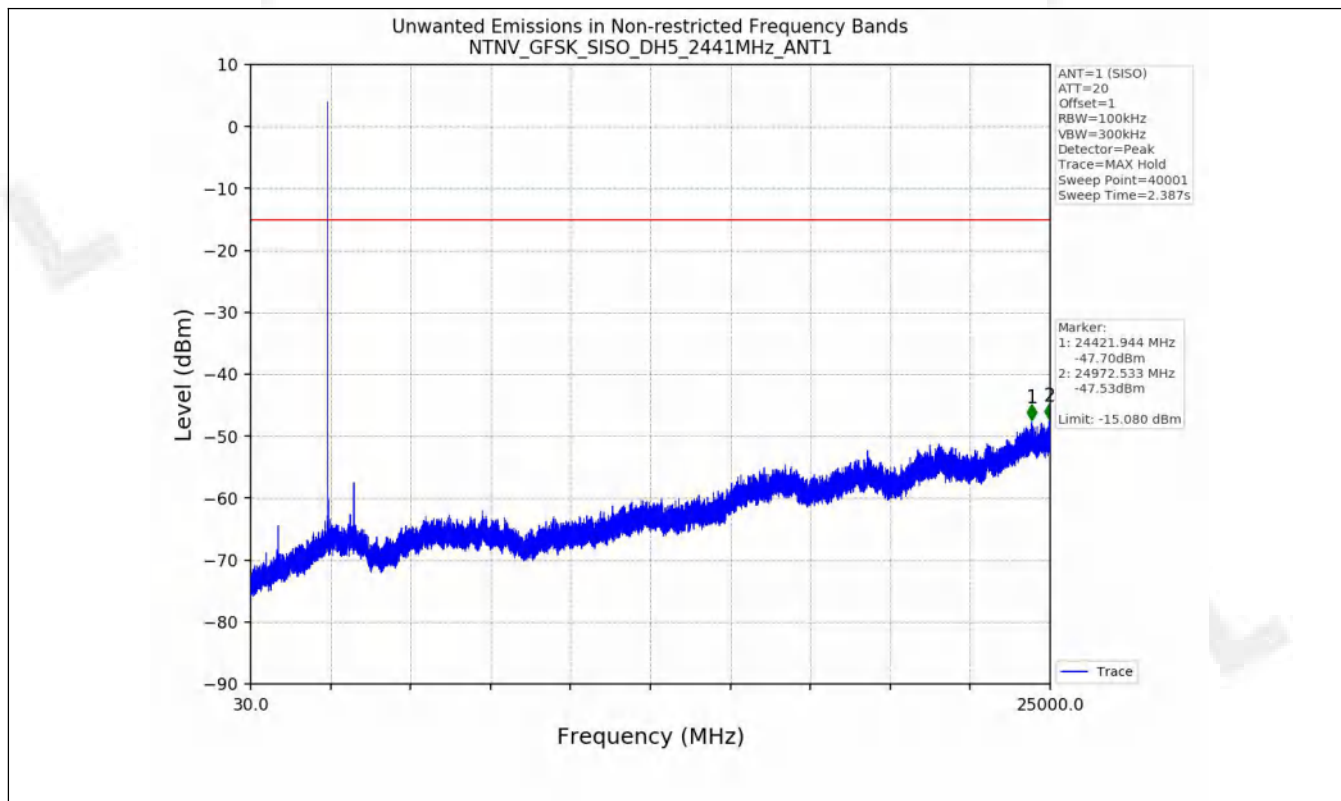
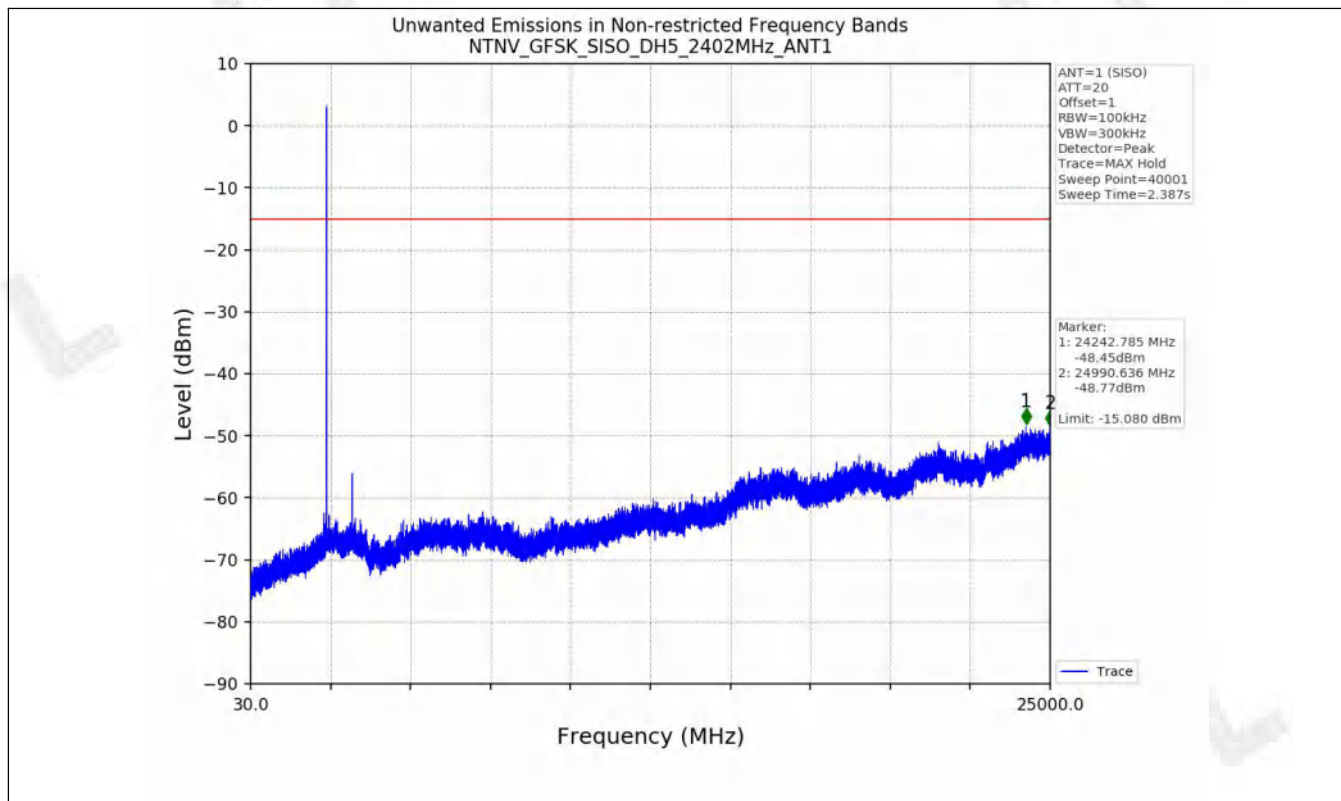
6. Unwanted Emissions in Non-restricted Frequency Bands

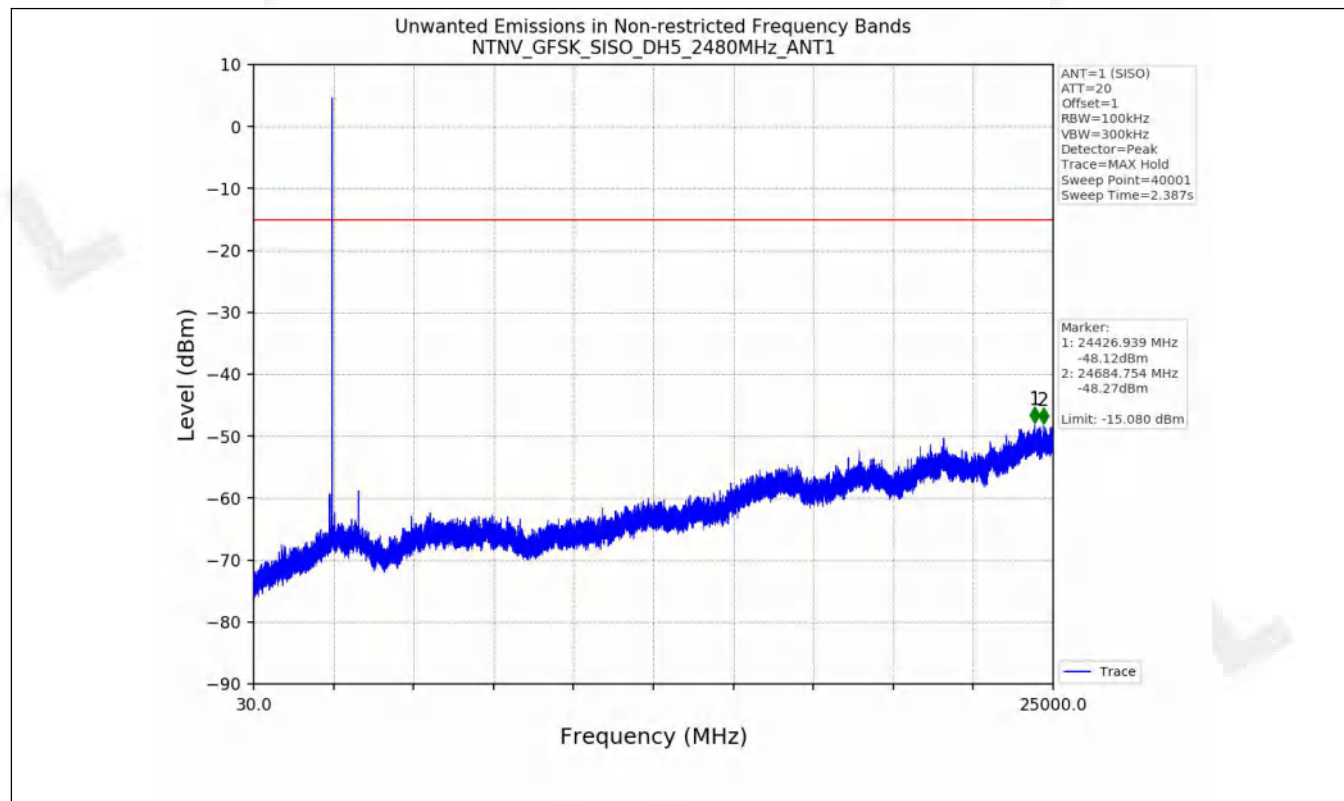
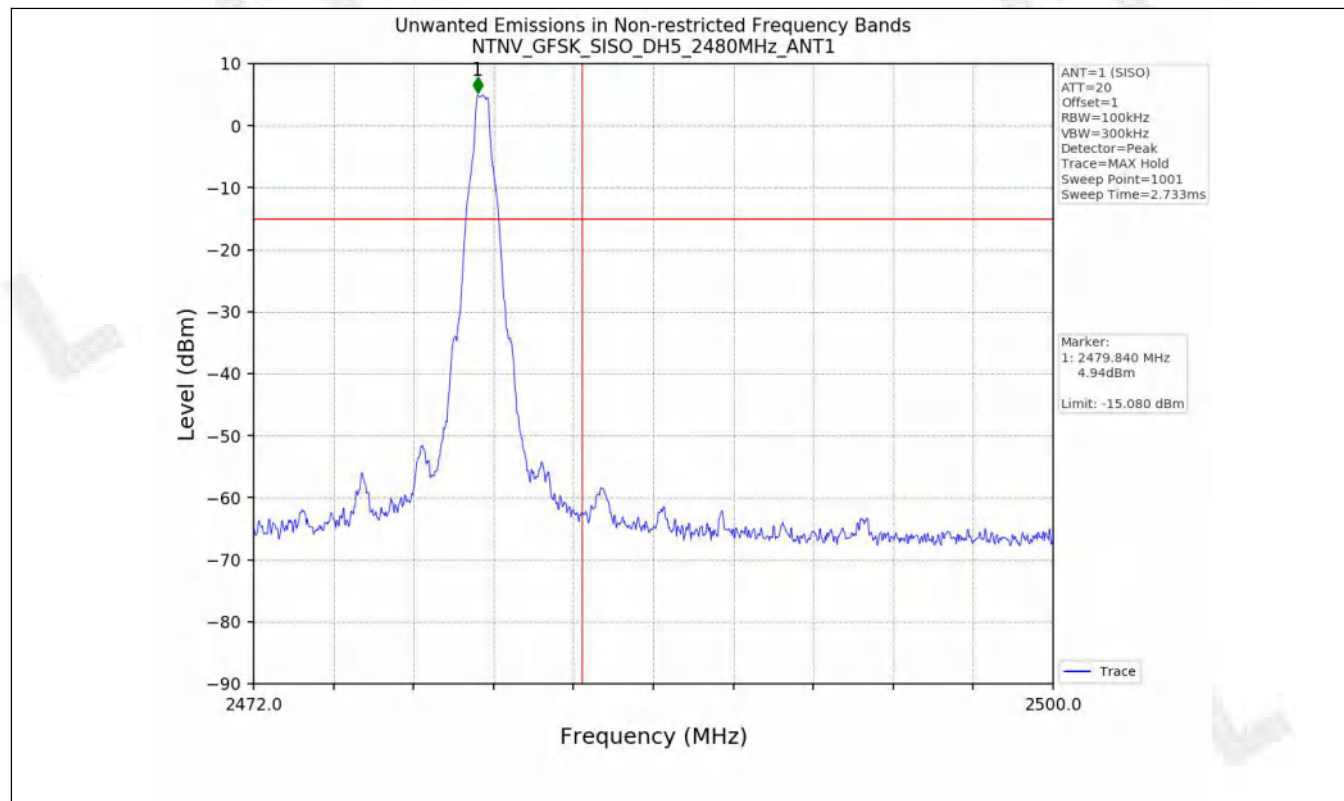
6.1 Test Result

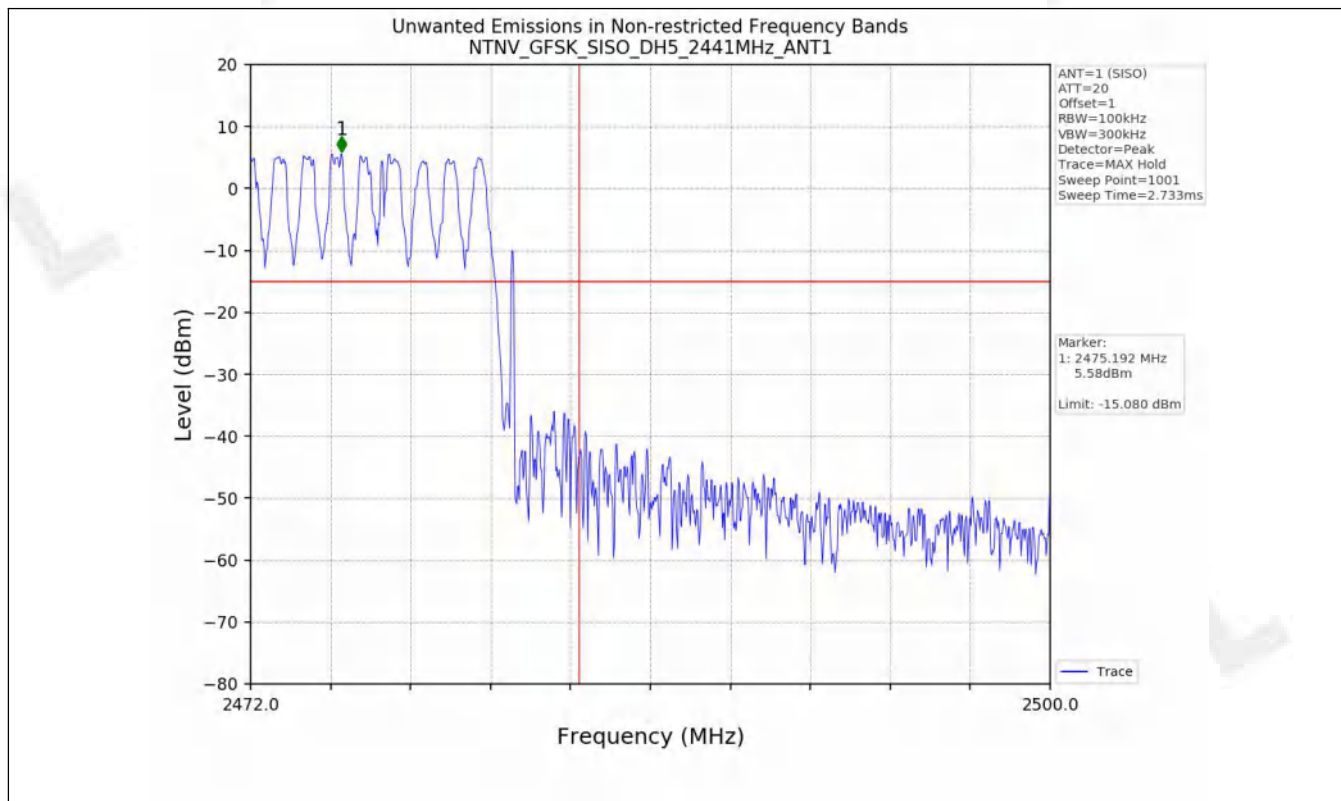
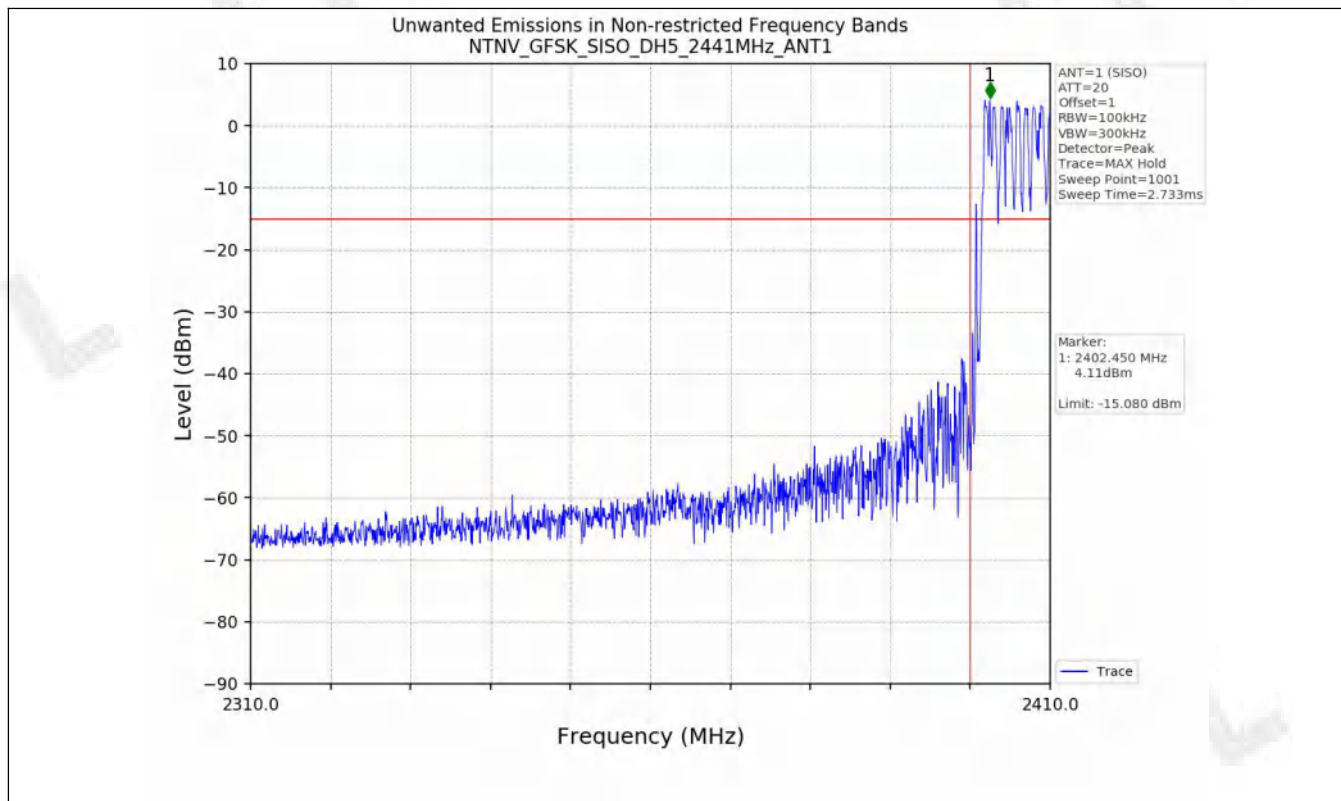
Test Mode	Frequency (MHz)	TX Type	ANT No.	Spurious Conducted Emission (dBm)	Limits (dBm)	Verdict
GFSK	2402	SISO	1	Refer to test graph	-15.08	PASS
	2441	SISO	1	Refer to test graph	-15.08	PASS
	2480	SISO	1	Refer to test graph	-15.08	PASS
	Hopping	SISO	1	Refer to test graph	-15.08	PASS
Pi/4DQPSK	2402	SISO	1	Refer to test graph	-15.17	PASS
	2441	SISO	1	Refer to test graph	-15.17	PASS
	2480	SISO	1	Refer to test graph	-15.17	PASS
	Hopping	SISO	1	Refer to test graph	-15.17	PASS
8DPSK	2402	SISO	1	Refer to test graph	-14.99	PASS
	2441	SISO	1	Refer to test graph	-14.99	PASS
	2480	SISO	1	Refer to test graph	-14.99	PASS
	Hopping	SISO	1	Refer to test graph	-14.99	PASS

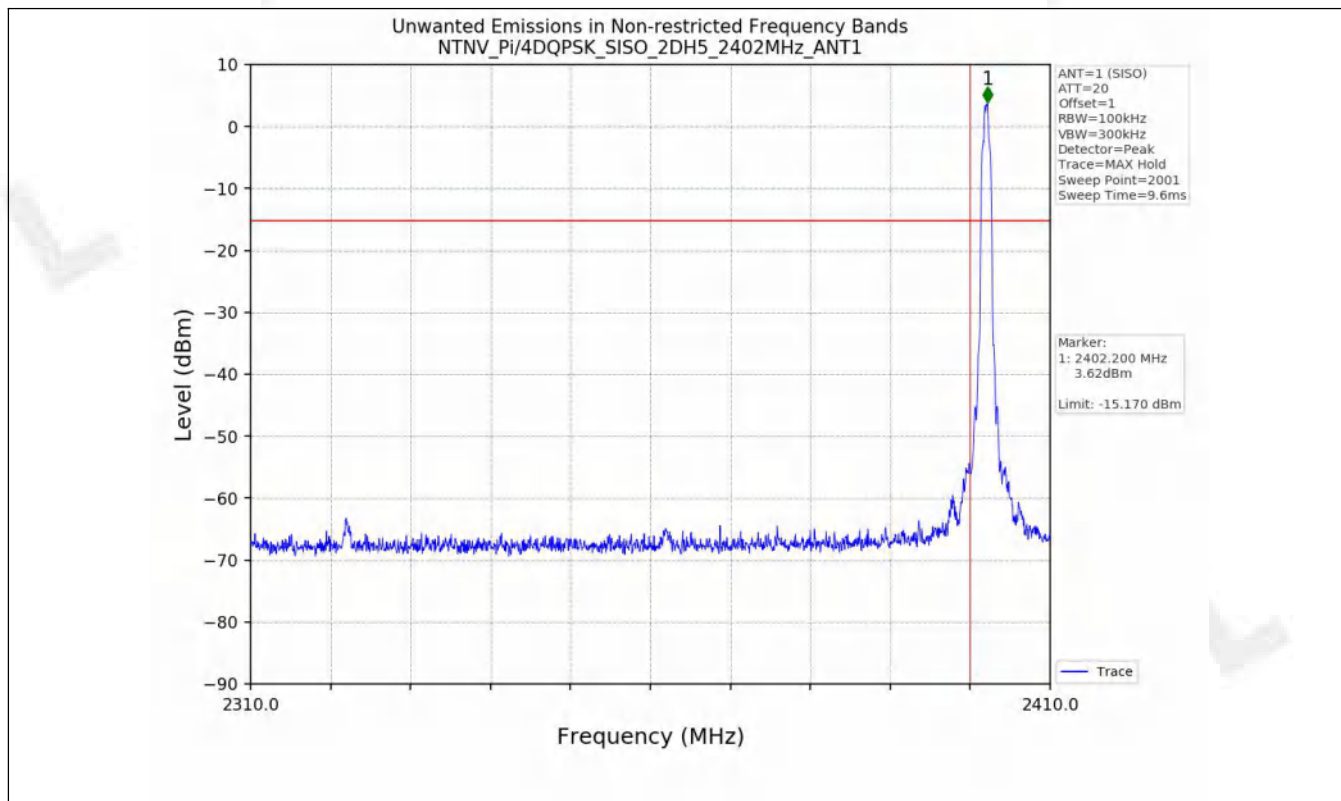
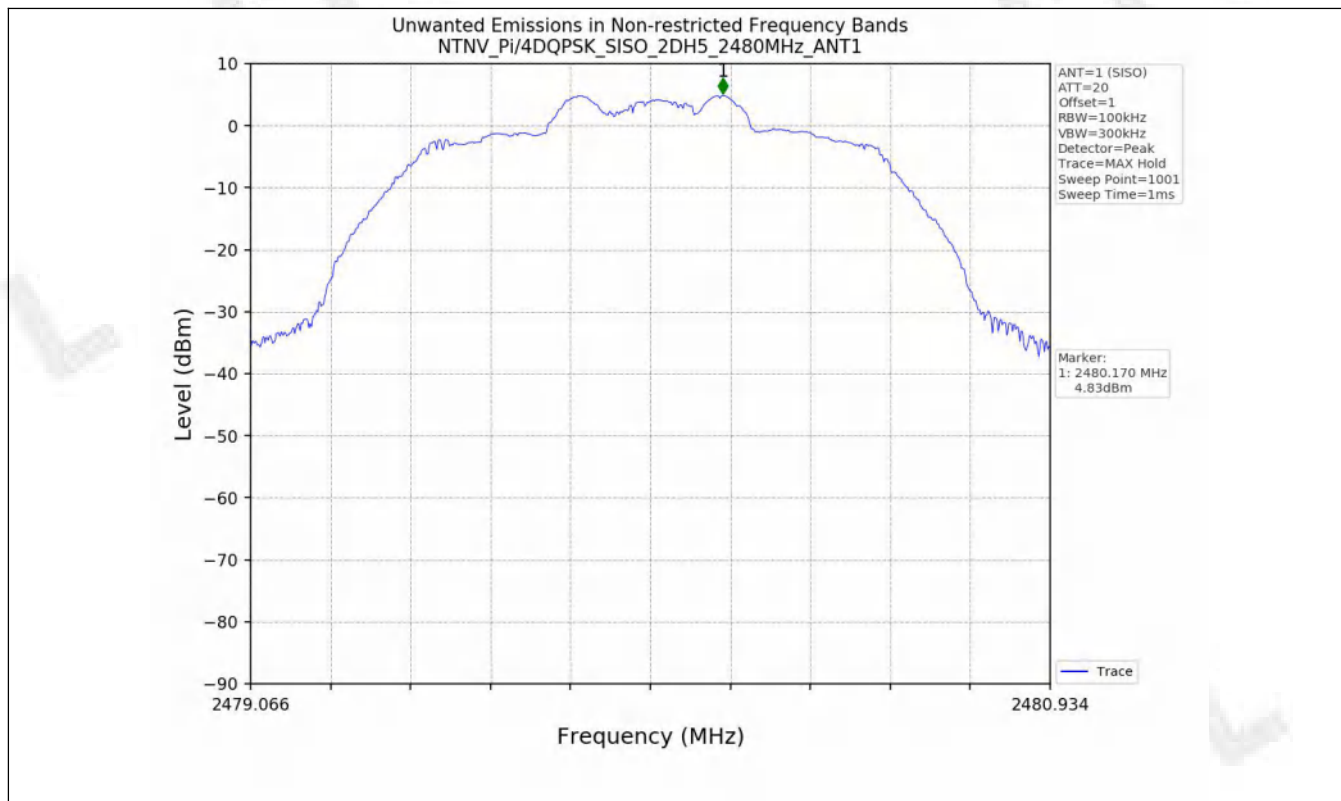
6.2 Test Graph

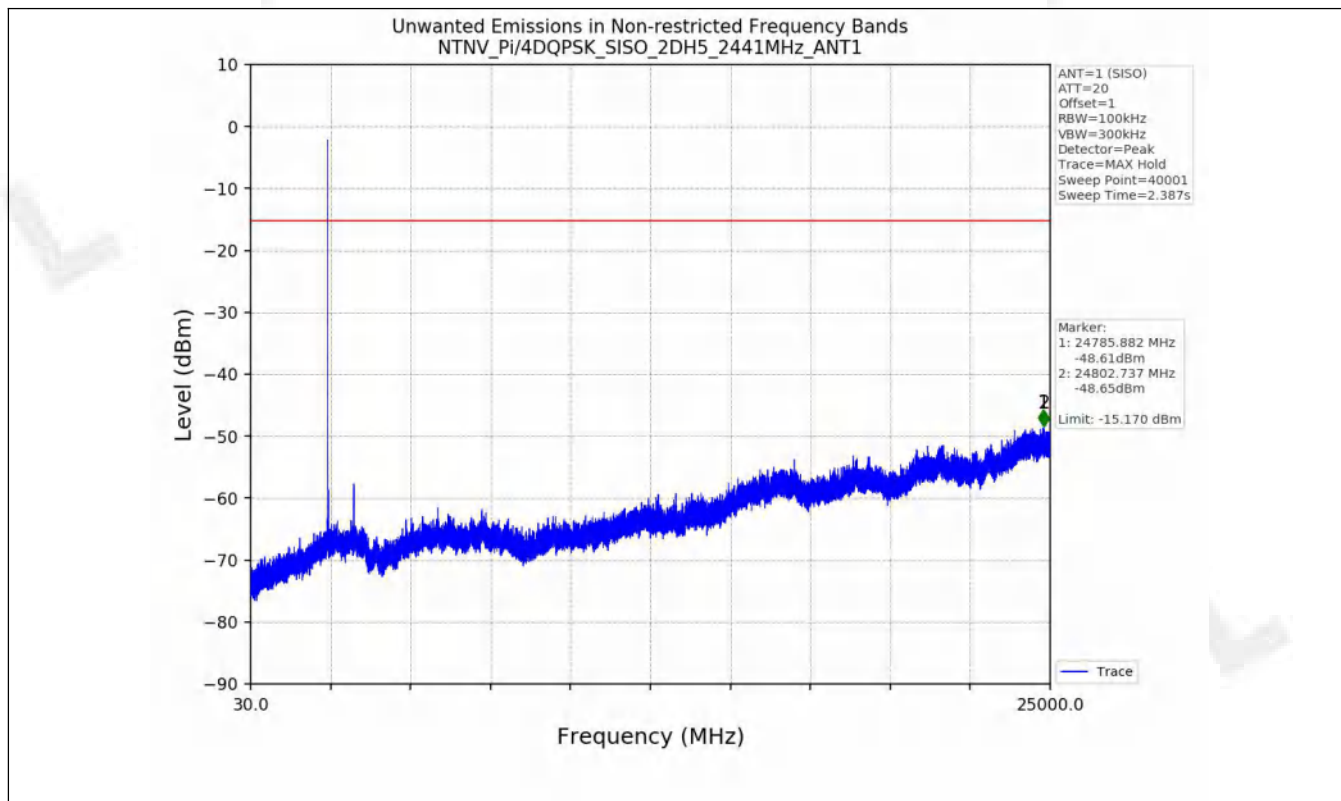
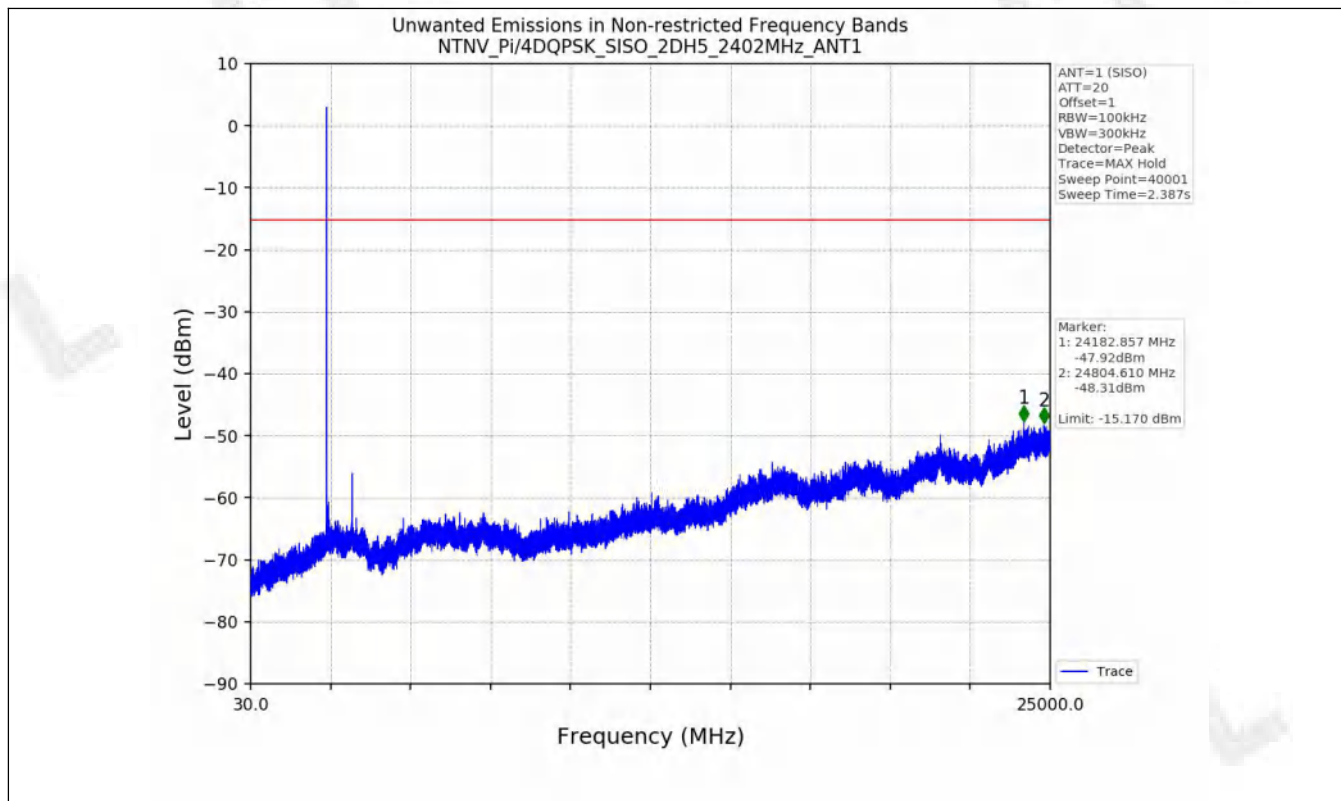


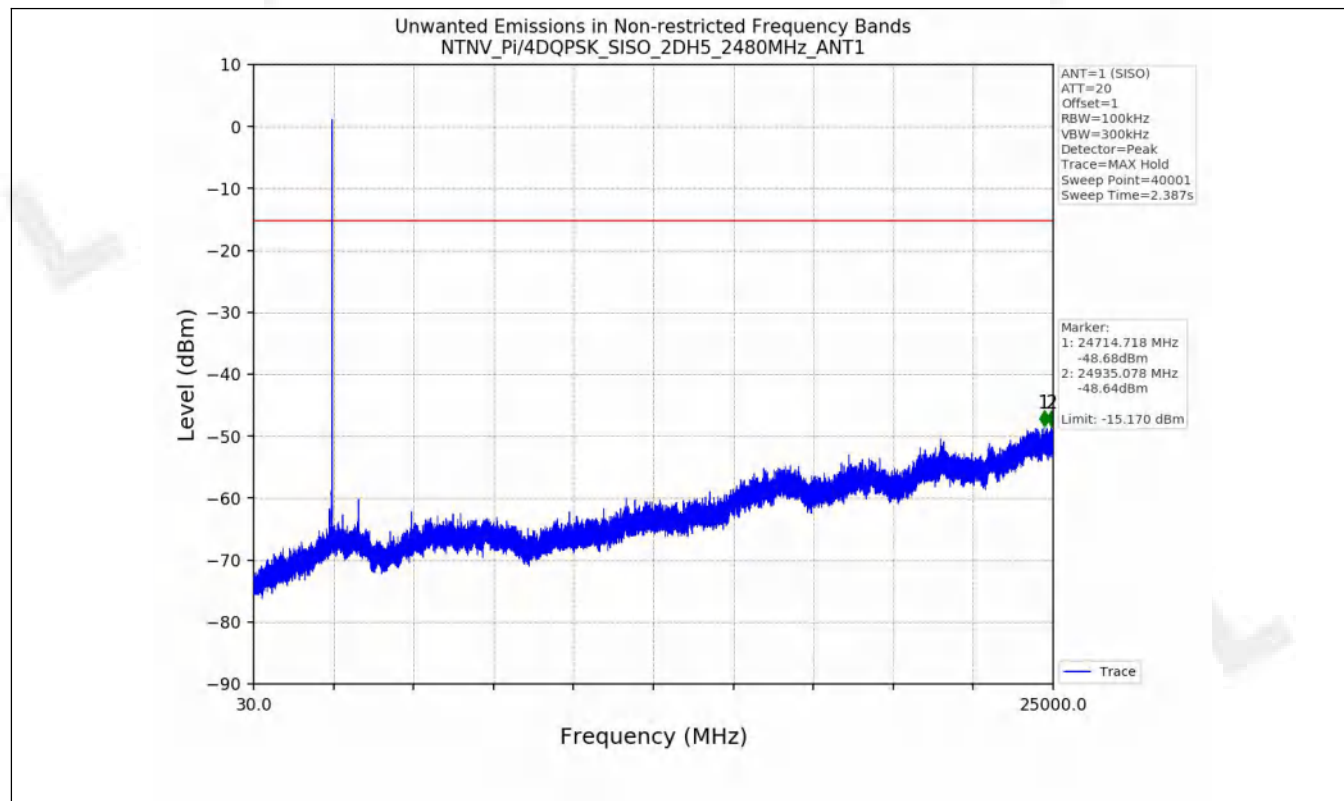
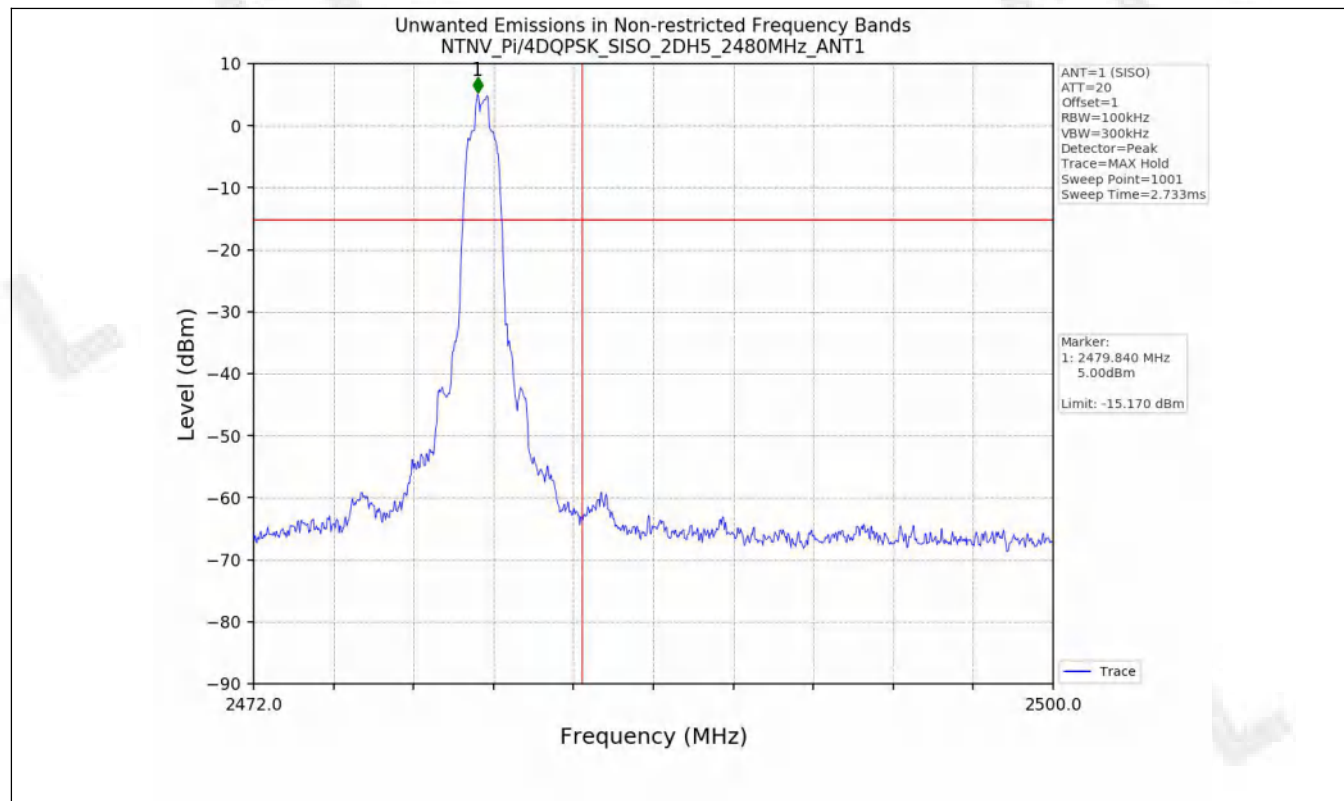


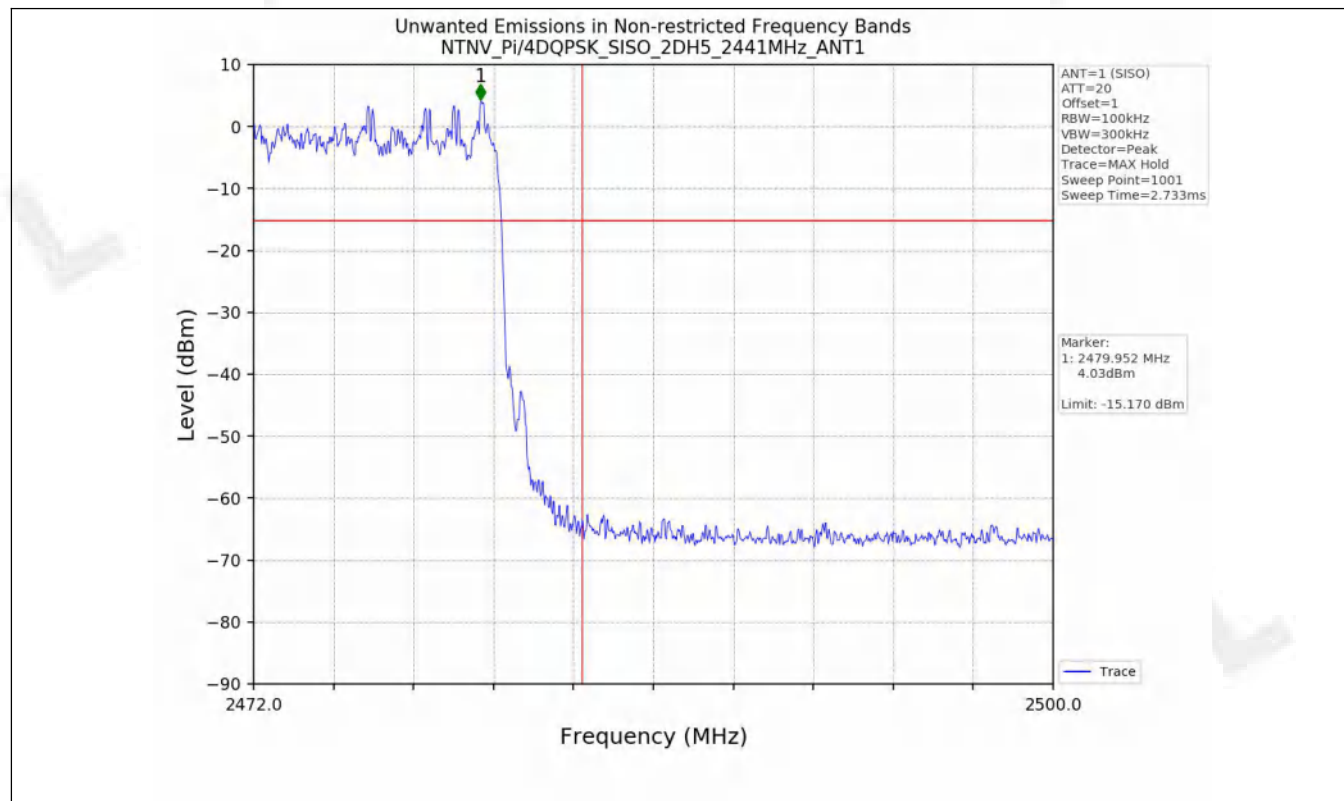
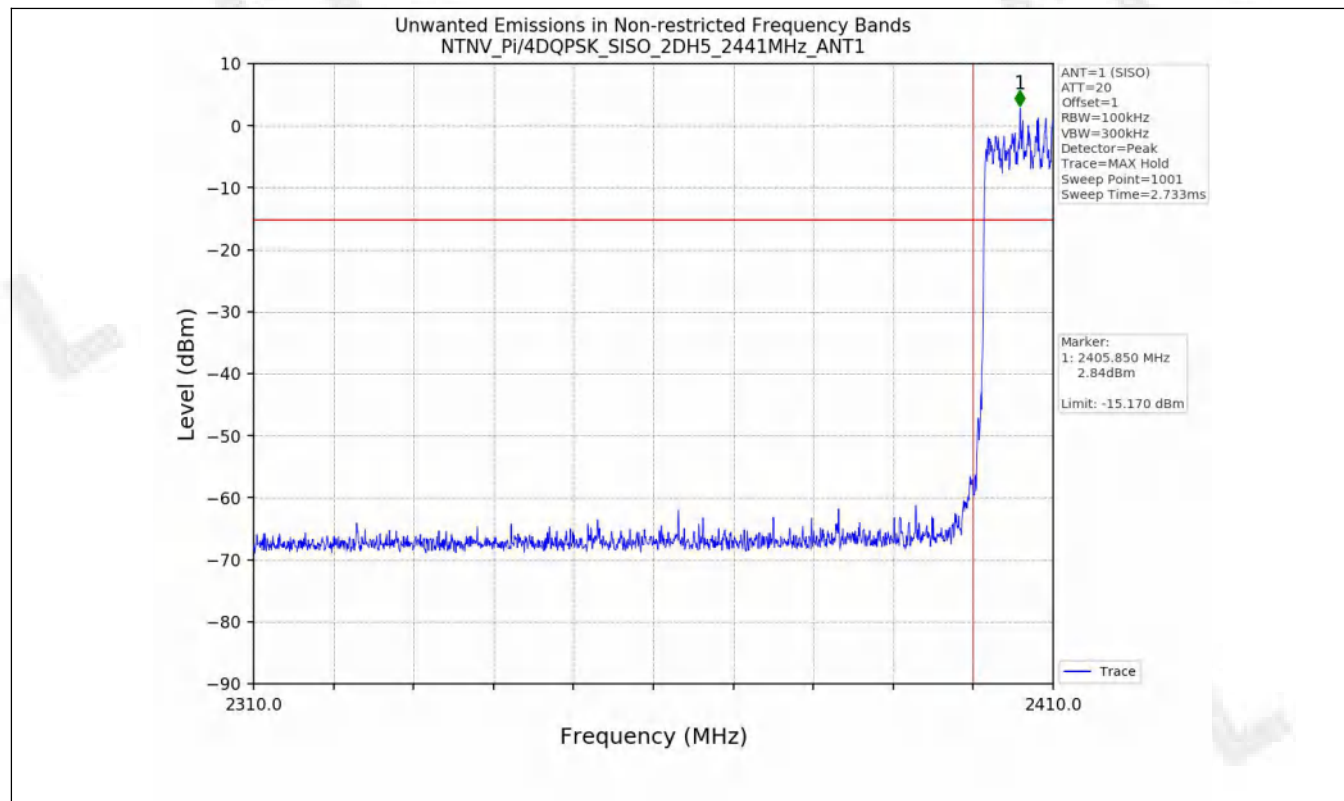


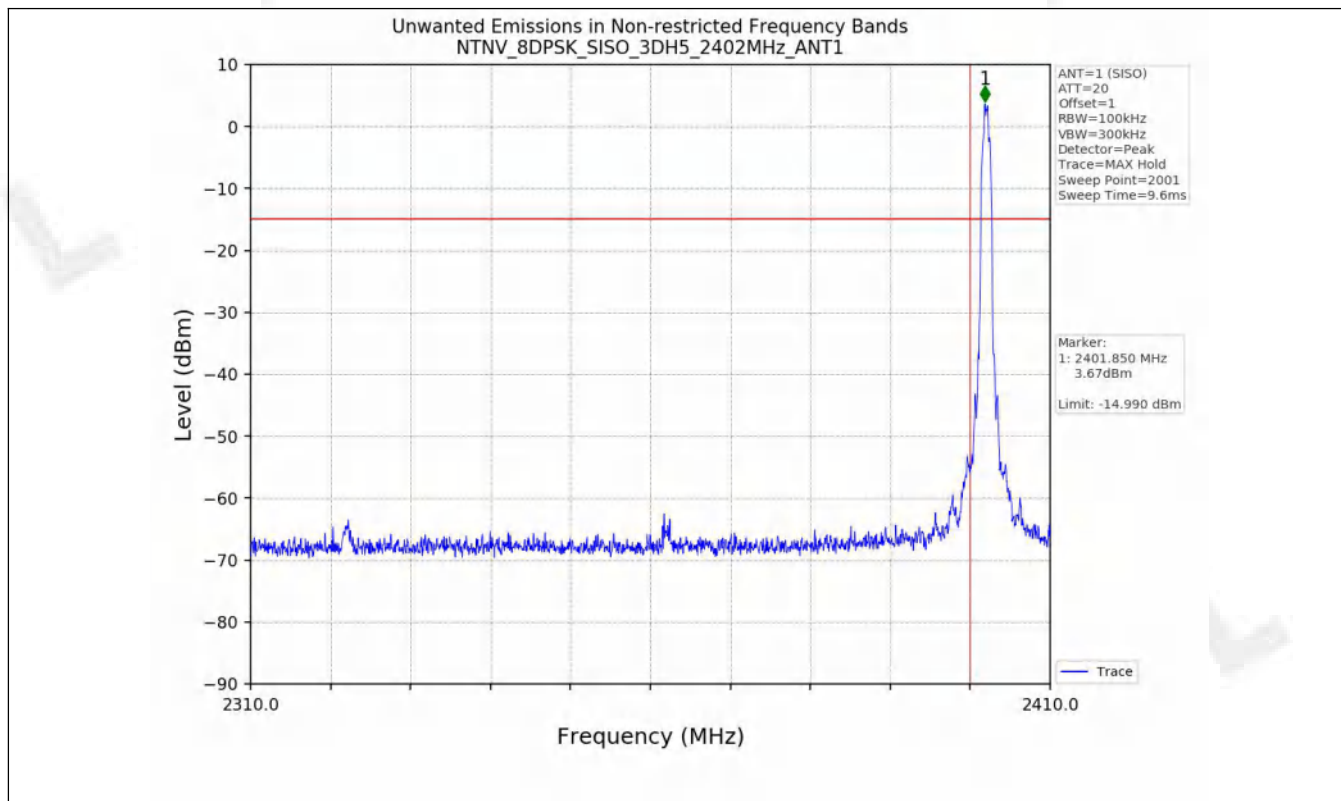
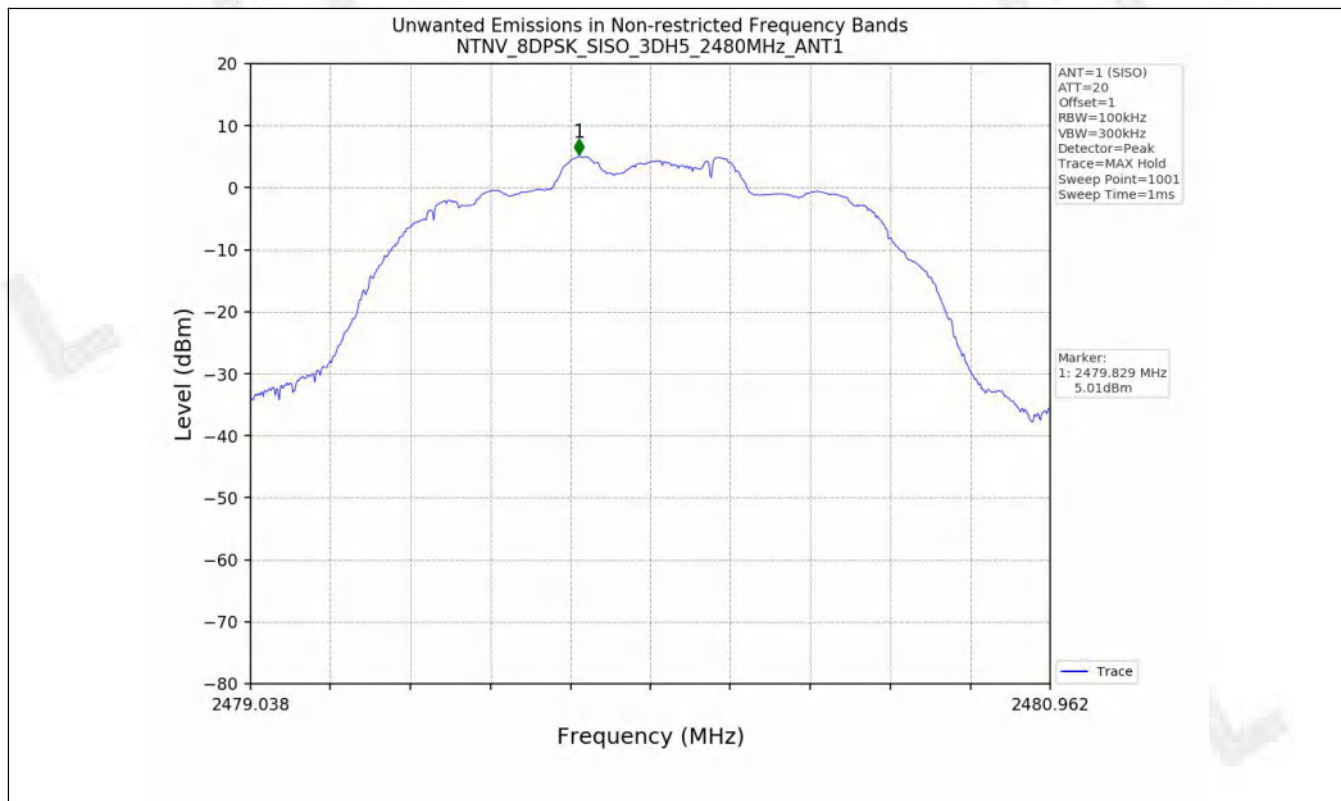


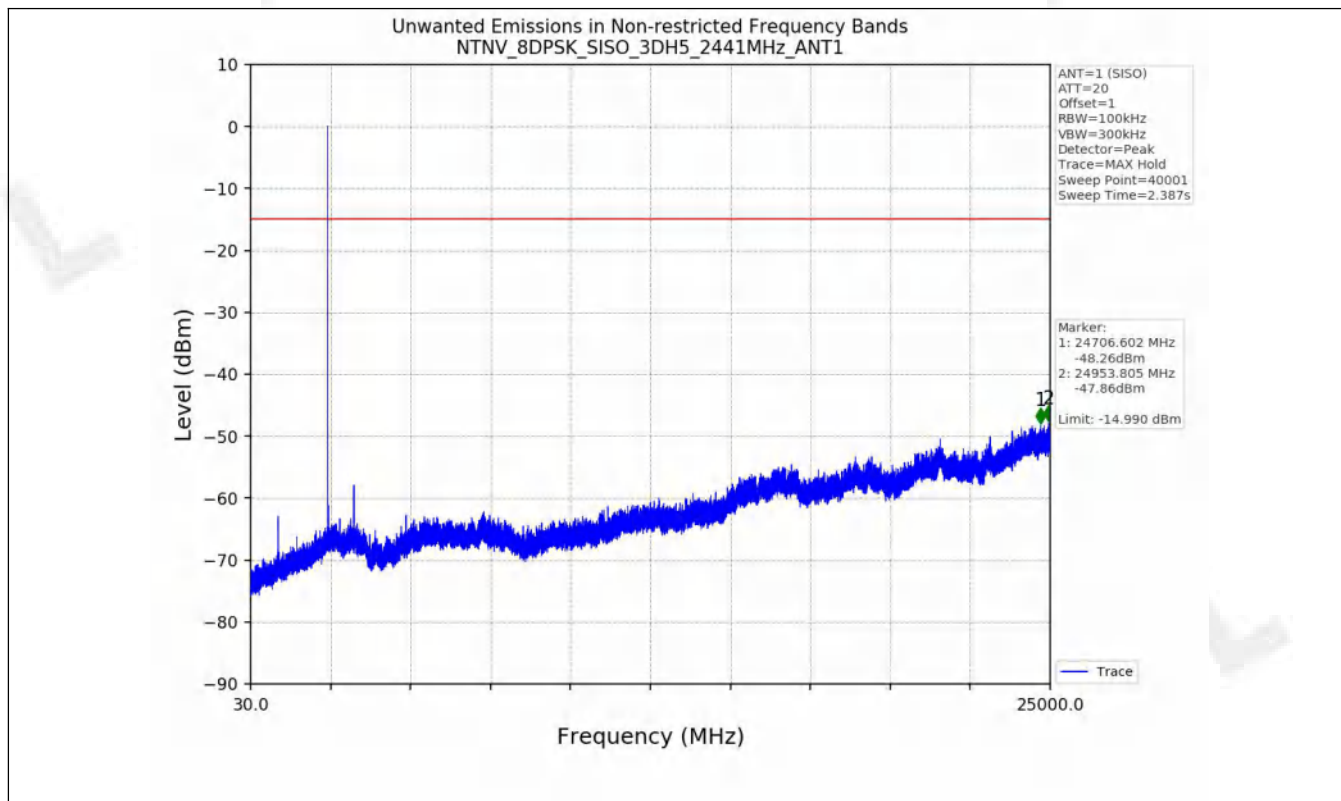
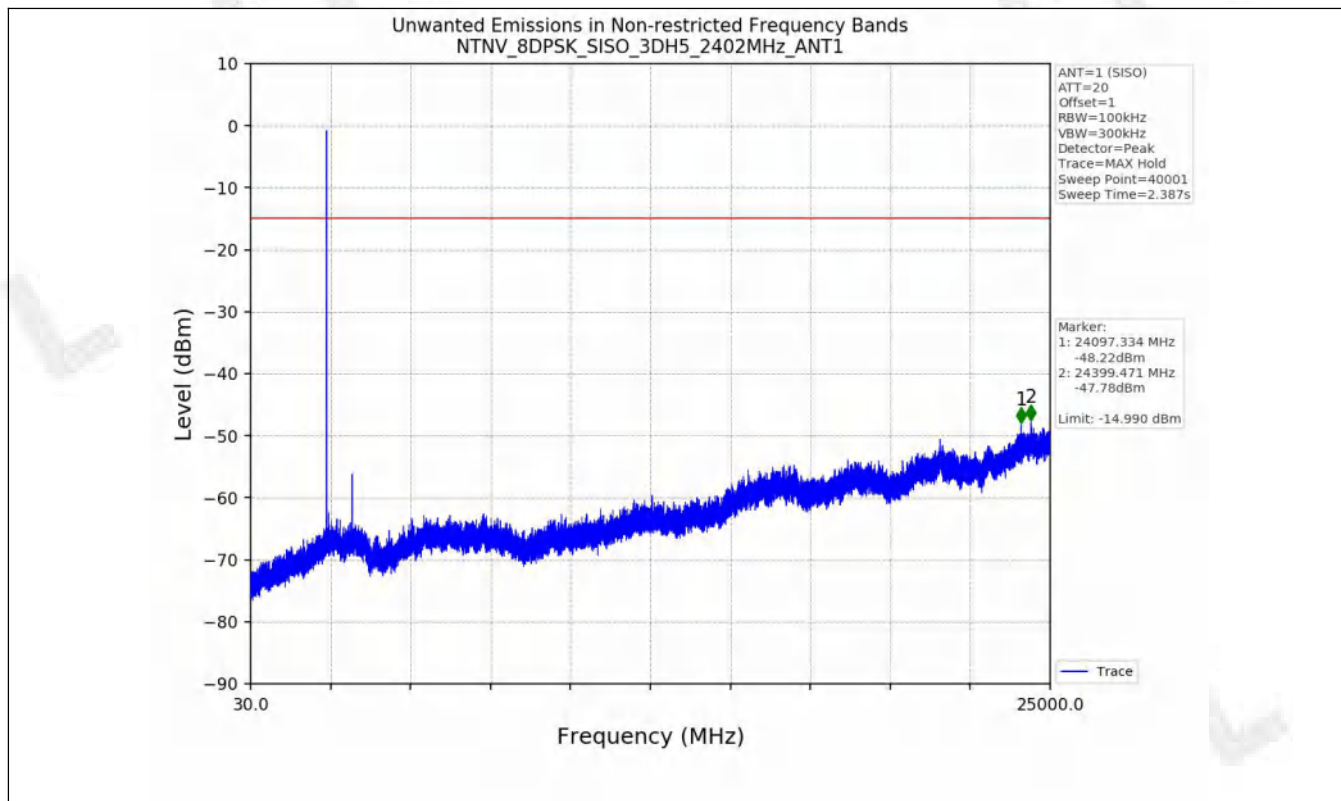


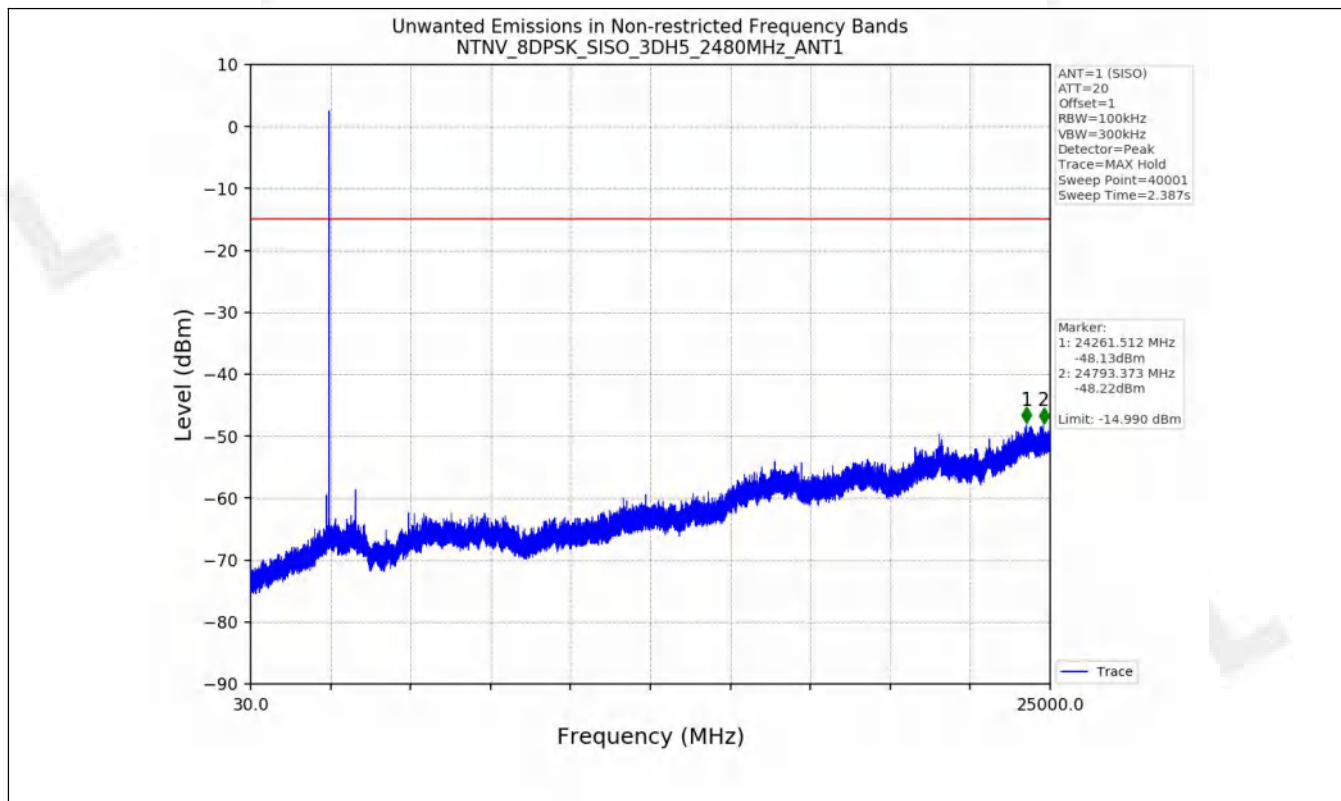
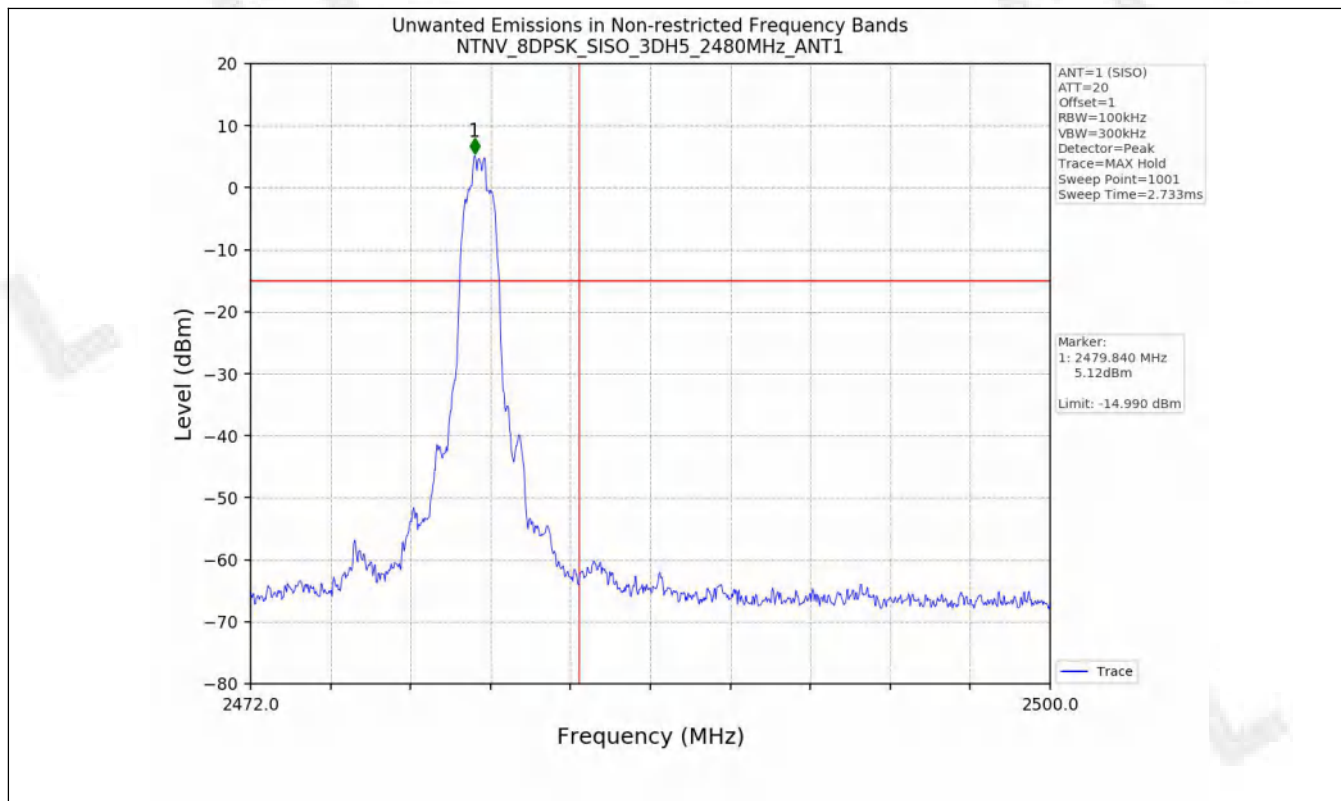


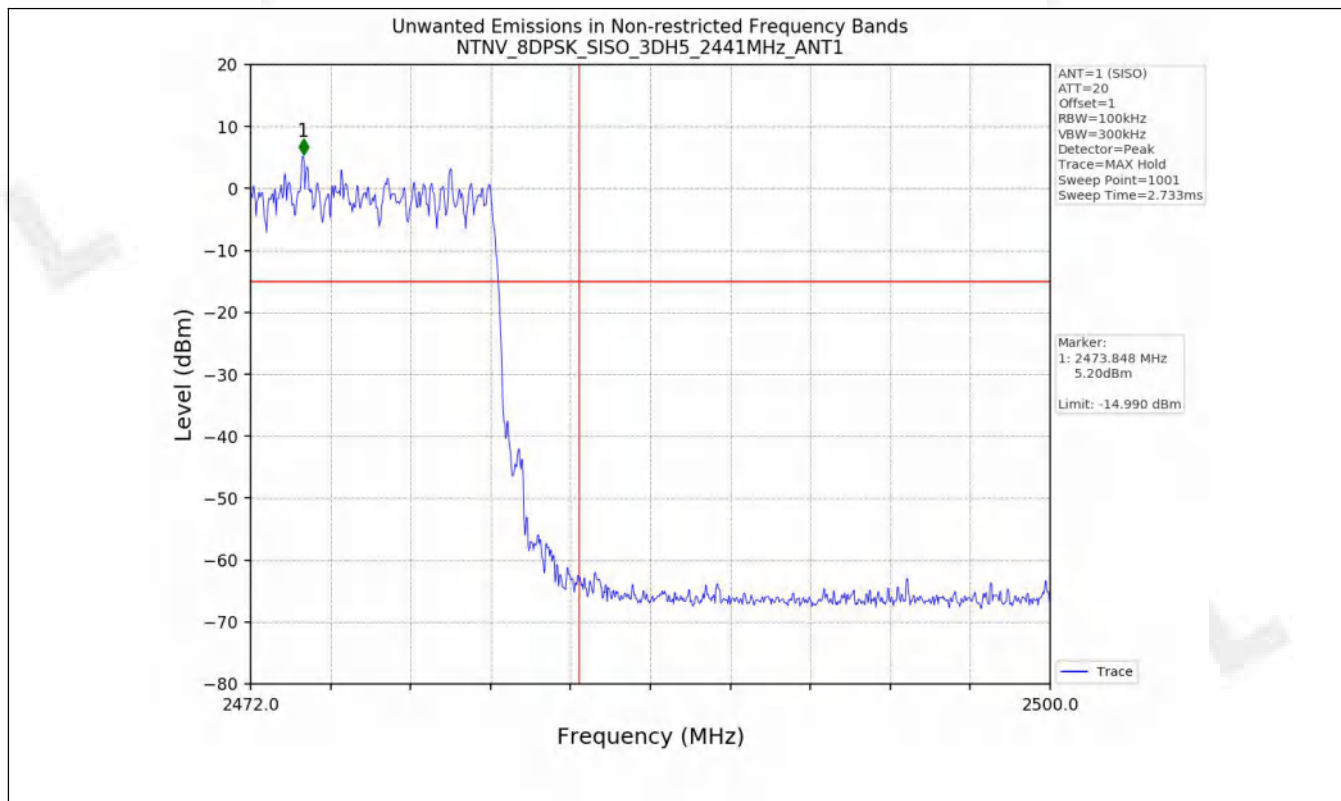
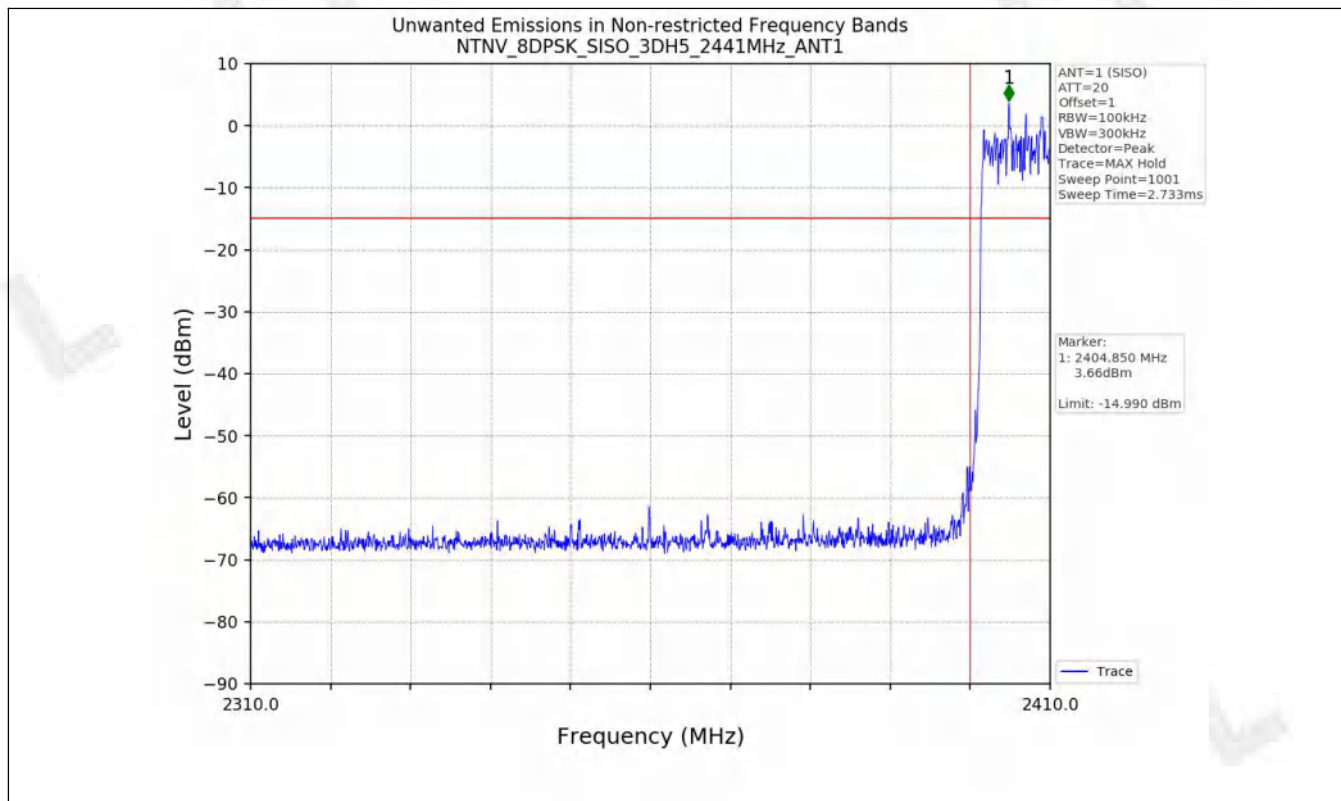












7. Frequency Error

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	2440.99	2400-2483.5	PASS
	2480	SISO	1	2479.99	2400-2483.5	PASS
Pi/4DQPSK	2402	SISO	1	2401.99	2400-2483.5	PASS
	2441	SISO	1	2441.00	2400-2483.5	PASS
	2480	SISO	1	2480.01	2400-2483.5	PASS

7.2 Test Graph

