



Appendix for 15.247

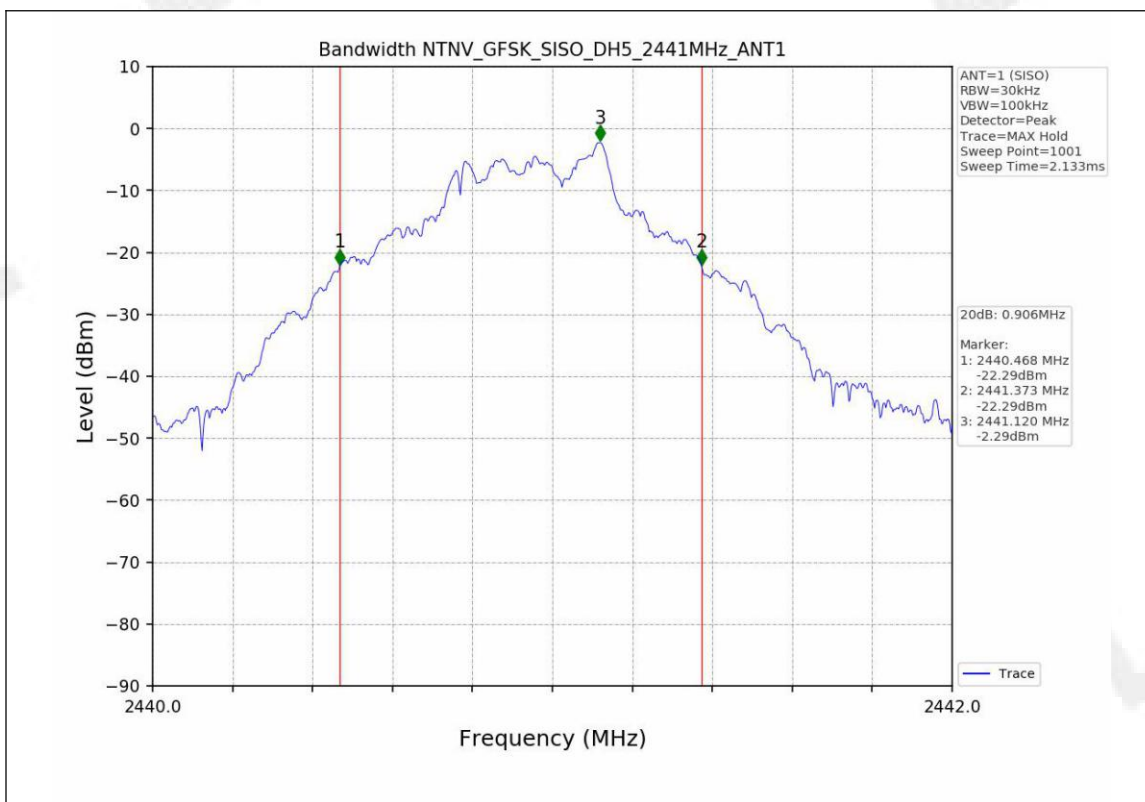
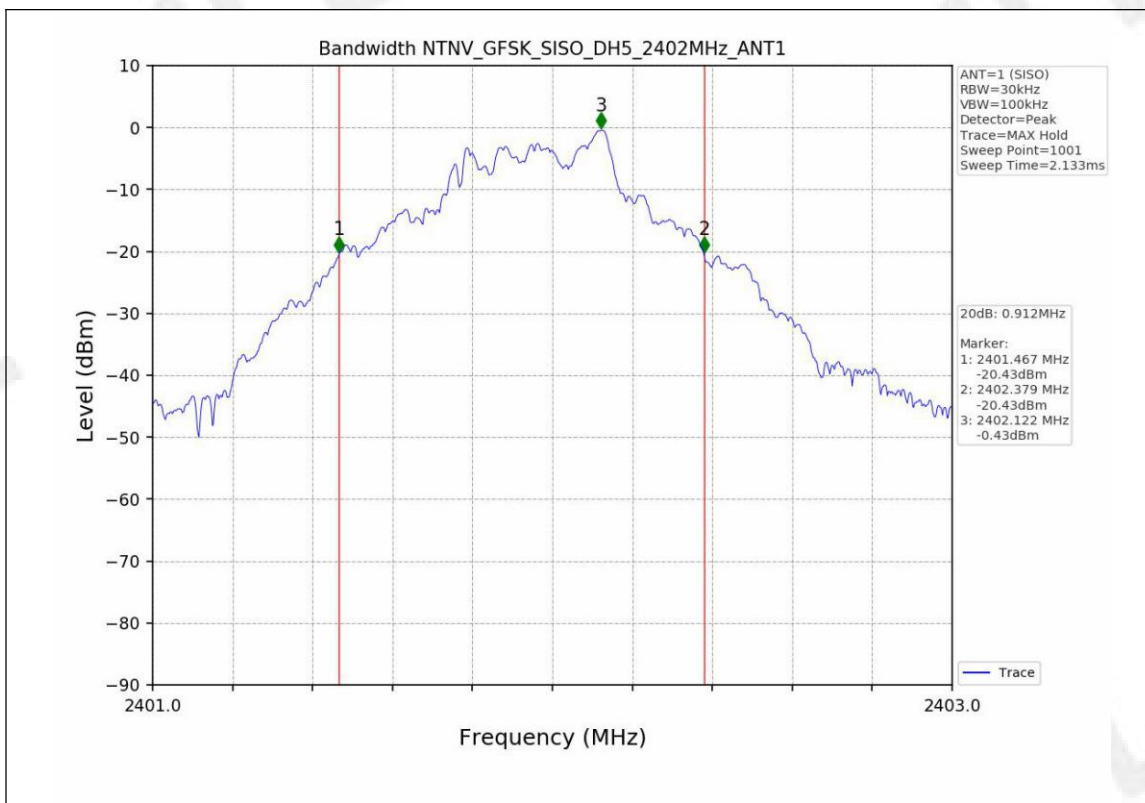
1. Bandwidth

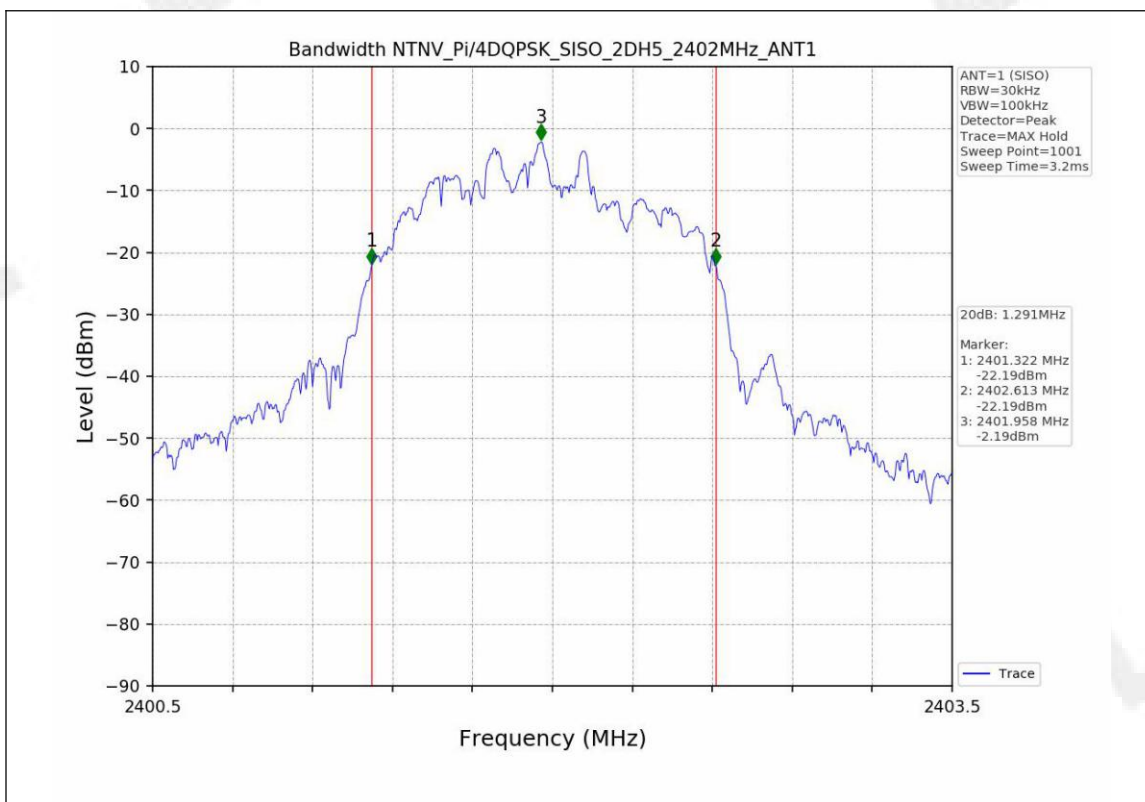
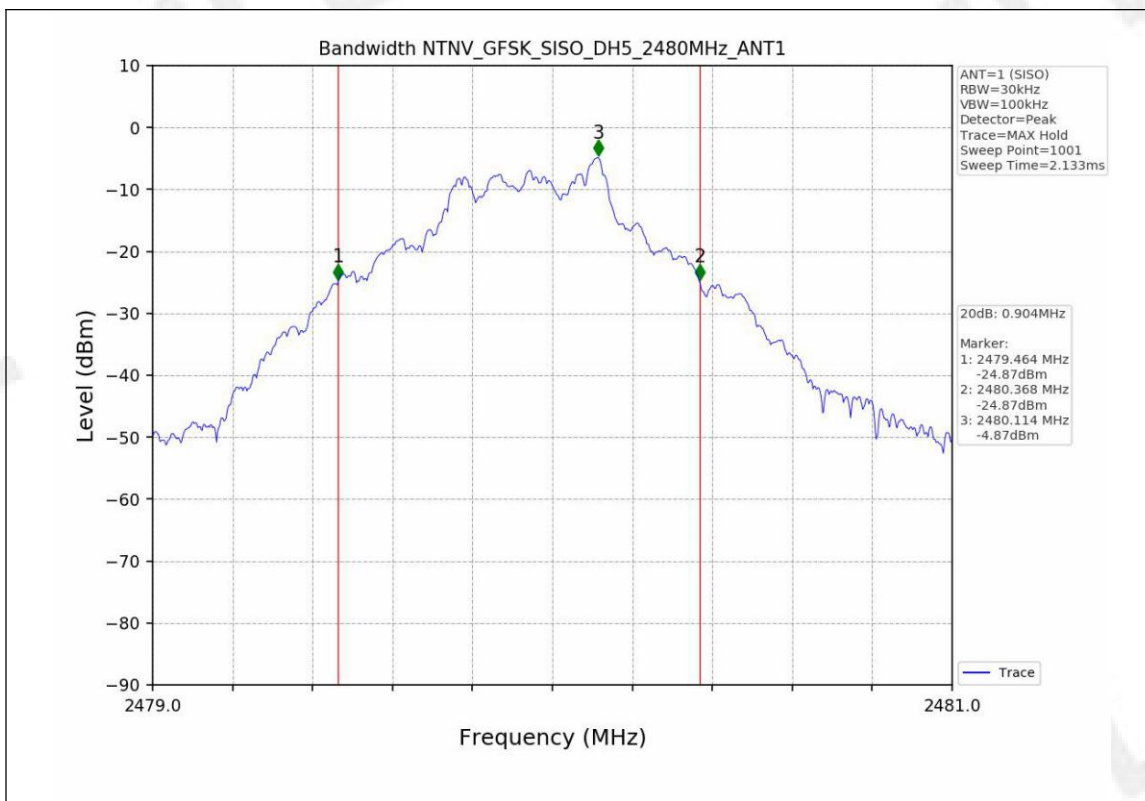
1.1 Test Result

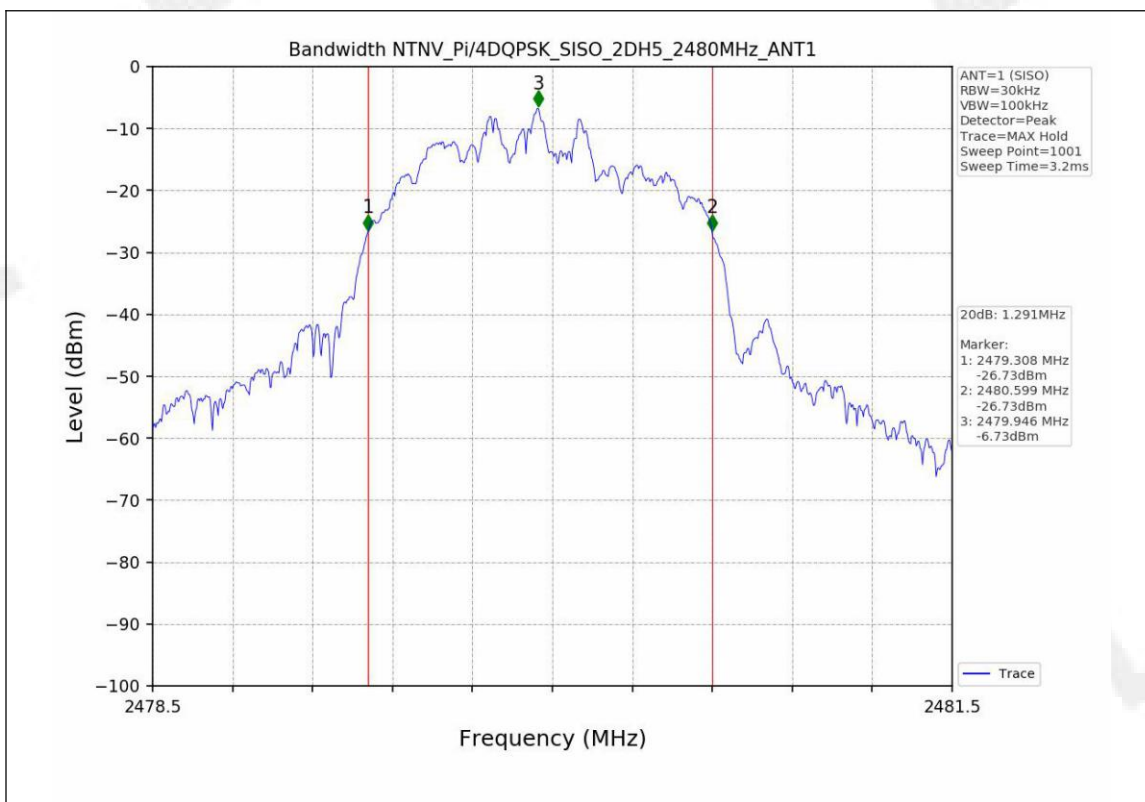
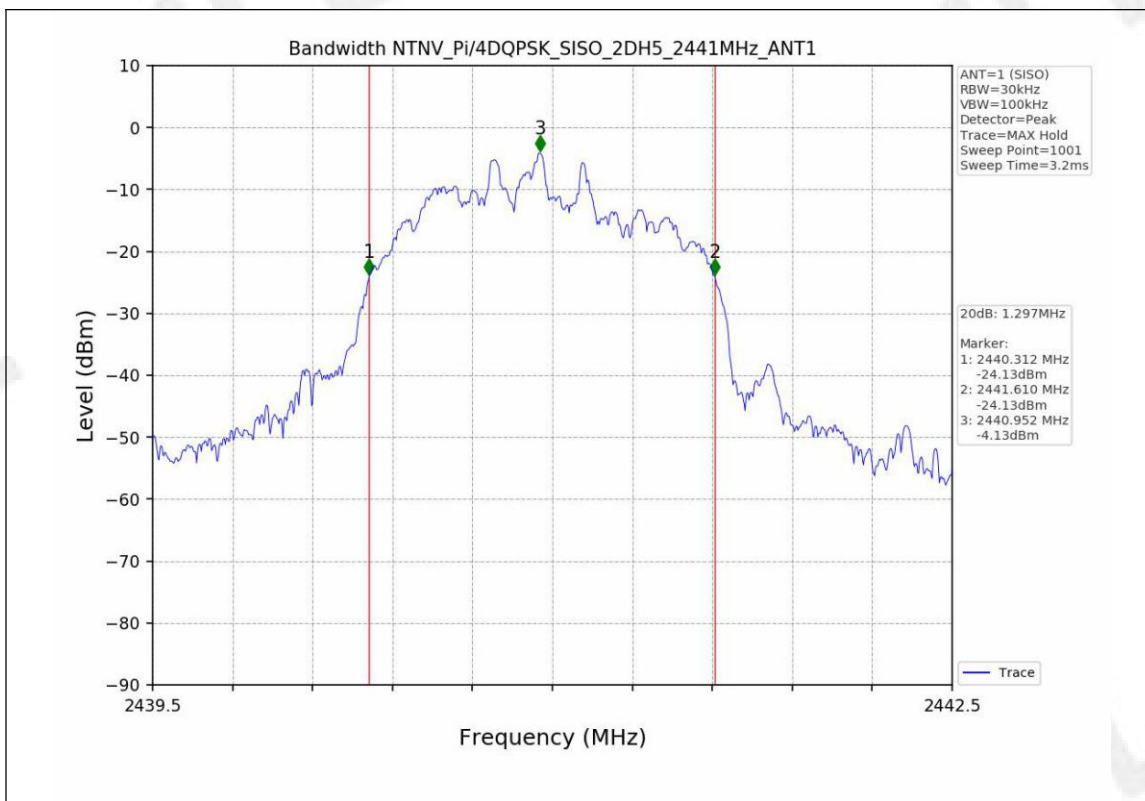
Test Mode	Frequency (MHz)	TX Type	ANT No.	20dB Bandwidth	Verdict
				Test Result (MHz)	
GFSK	2402	SISO	1	0.912	PASS
	2441	SISO	1	0.906	PASS
	2480	SISO	1	0.904	PASS
Pi/4DQPSK	2402	SISO	1	1.291	PASS
	2441	SISO	1	1.297	PASS
	2480	SISO	1	1.291	PASS
8DPSK	2402	SISO	1	1.275	PASS
	2441	SISO	1	1.278	PASS
	2480	SISO	1	1.281	PASS

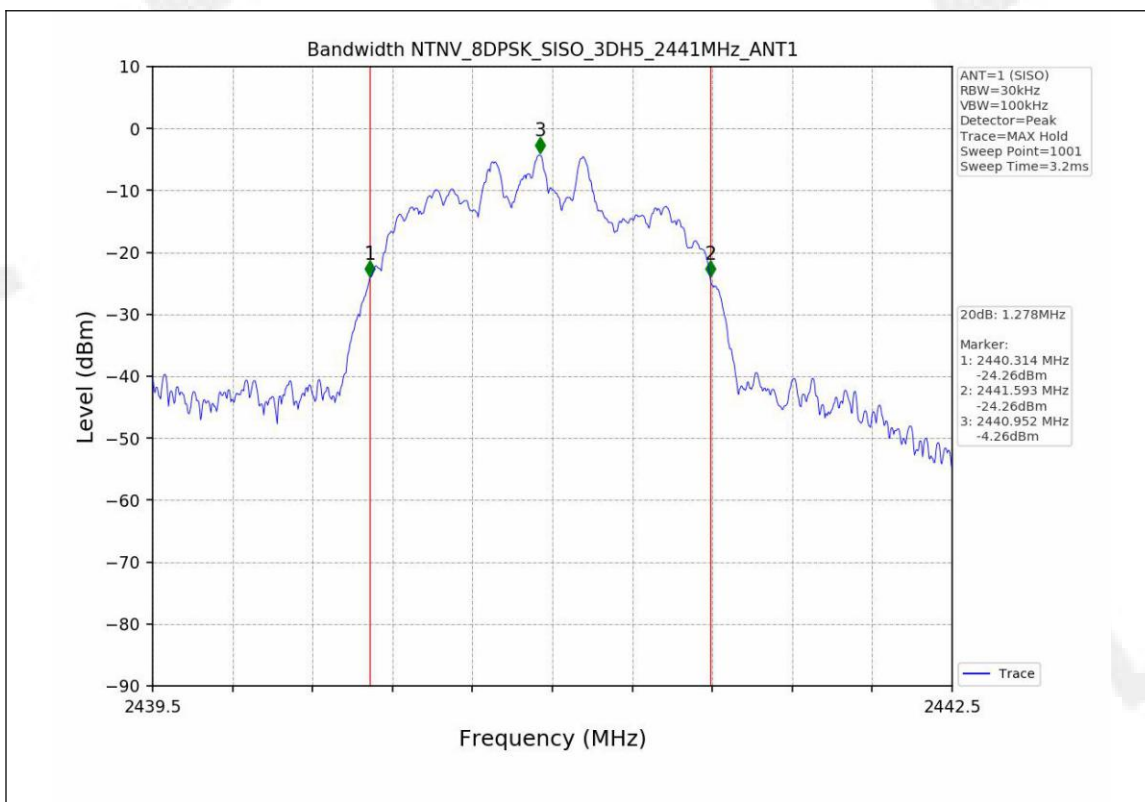
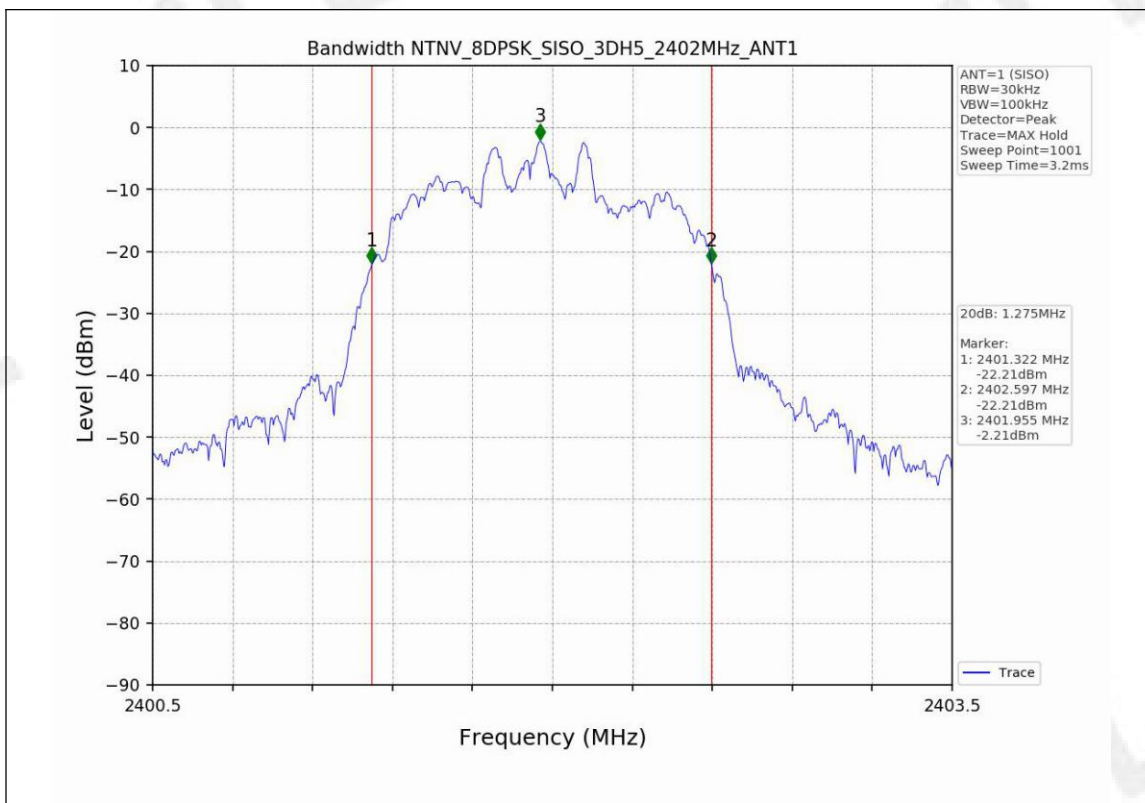
Test Mode	Frequency (MHz)	TX Type	ANT No.	99% Occupied Bandwidth	
				Test Result (MHz)	
GFSK	2402	SISO	1	0.878	Only for Report Use
	2441	SISO	1	0.868	Only for Report Use
	2480	SISO	1	0.866	Only for Report Use
Pi/4DQPSK	2402	SISO	1	1.182	Only for Report Use
	2441	SISO	1	1.183	Only for Report Use
	2480	SISO	1	1.183	Only for Report Use
8DPSK	2402	SISO	1	1.177	Only for Report Use
	2441	SISO	1	1.179	Only for Report Use
	2480	SISO	1	1.176	Only for Report Use

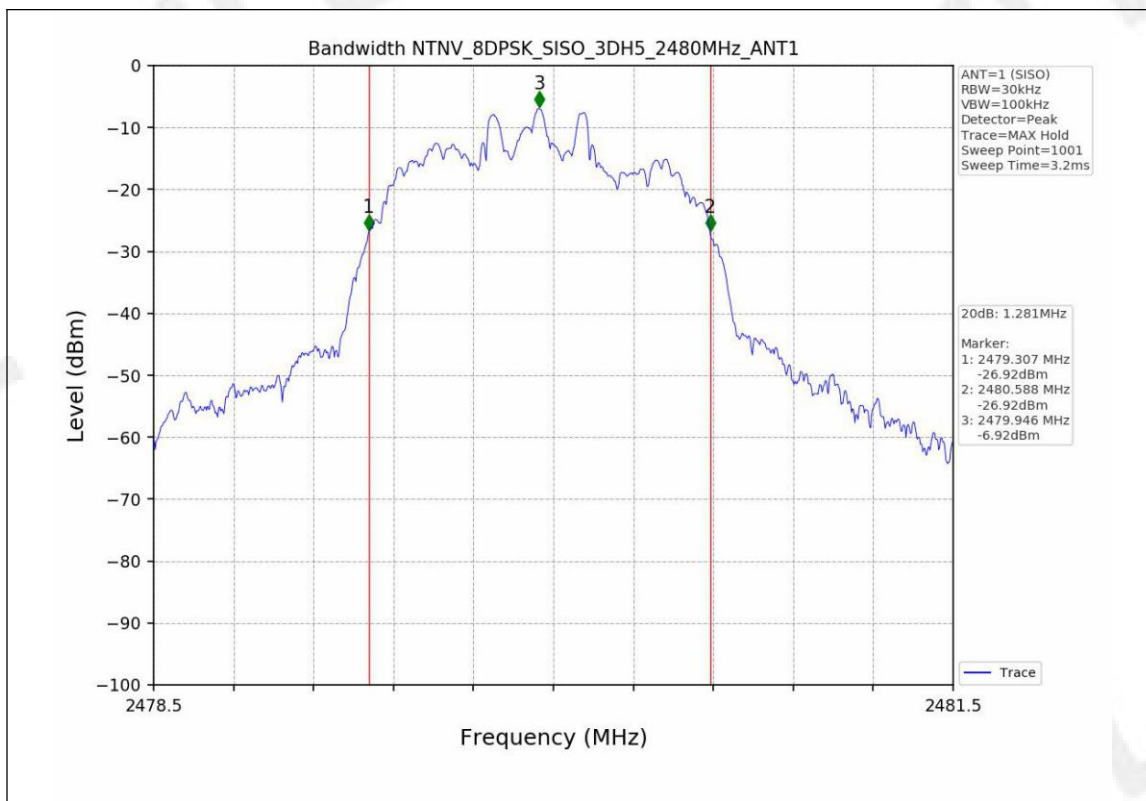
1.2 Test Graph - 20dB Bandwidth



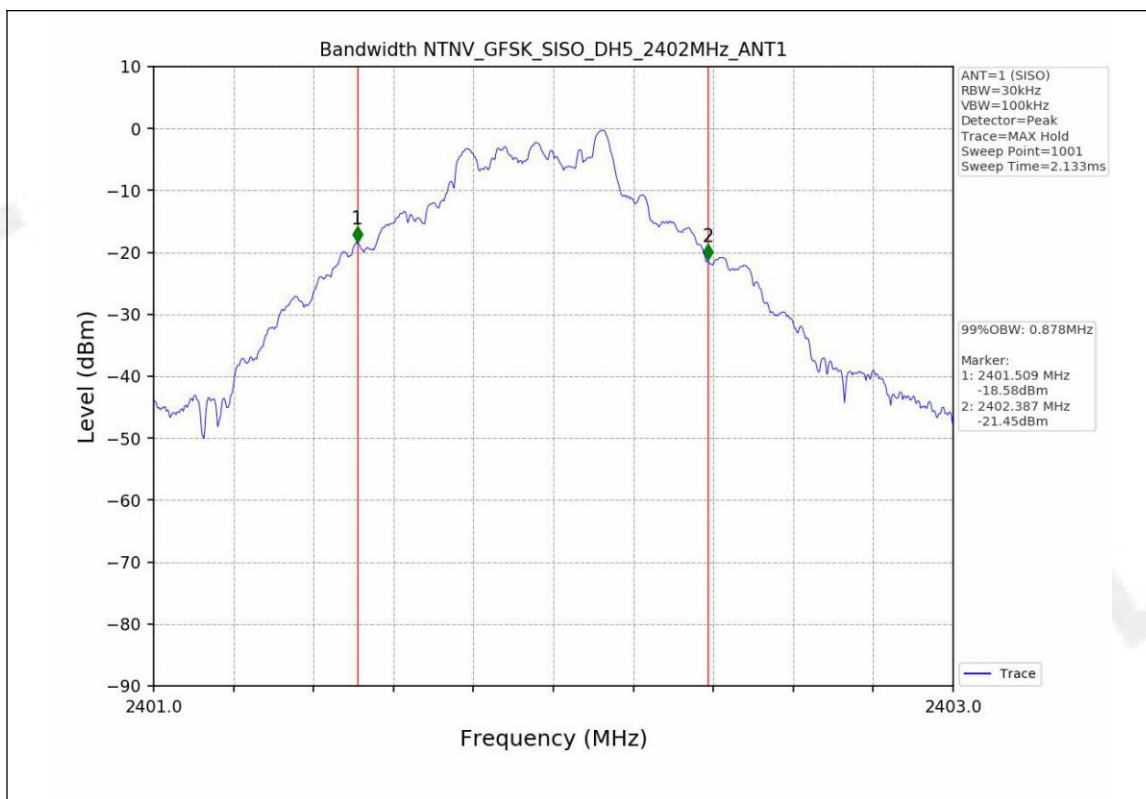


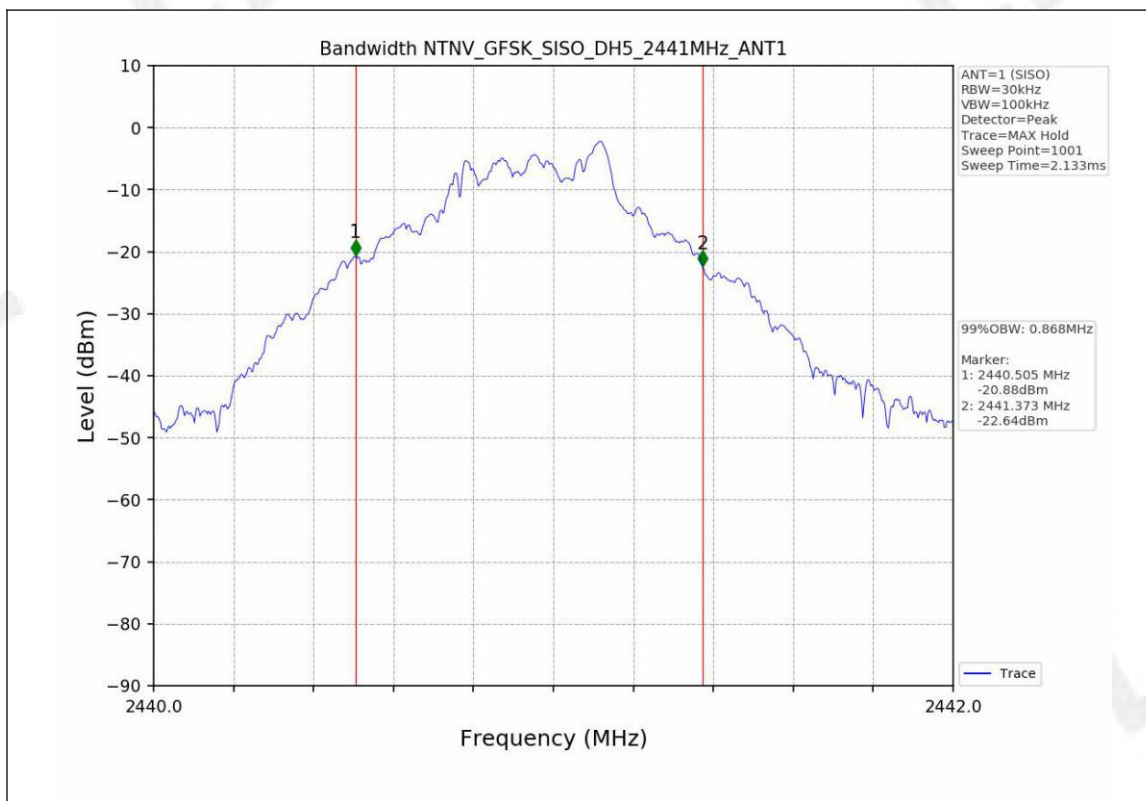


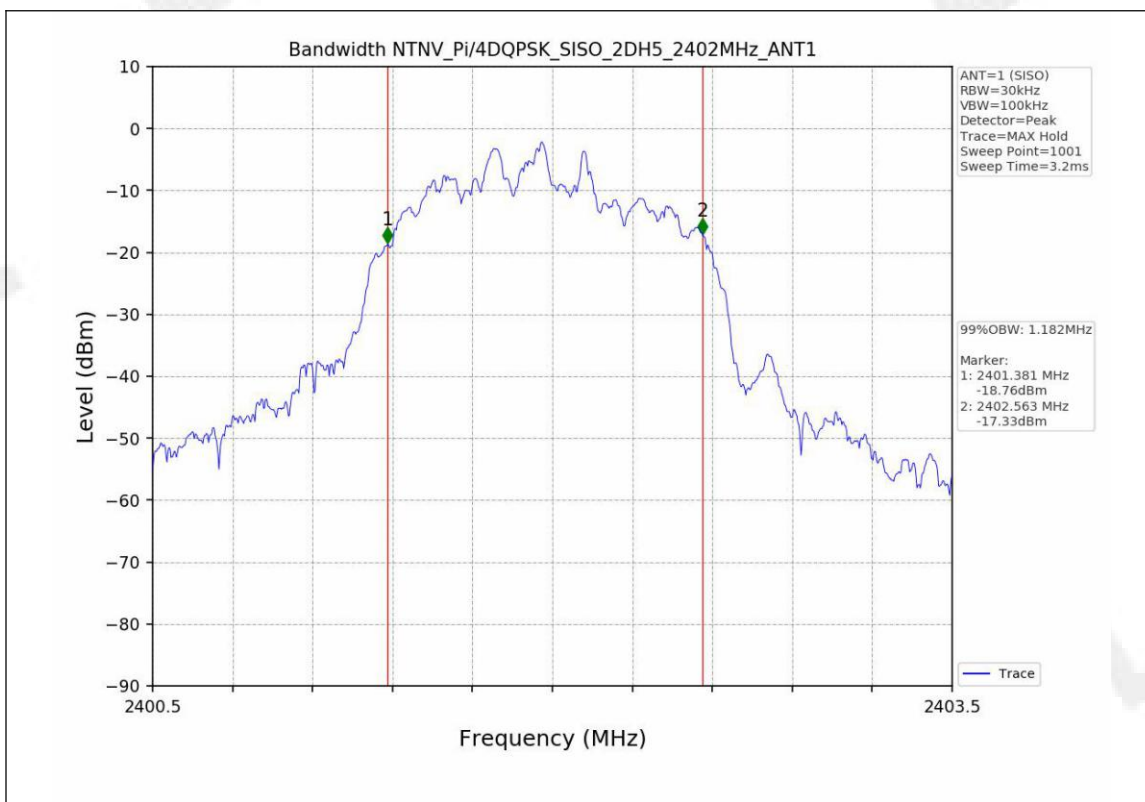
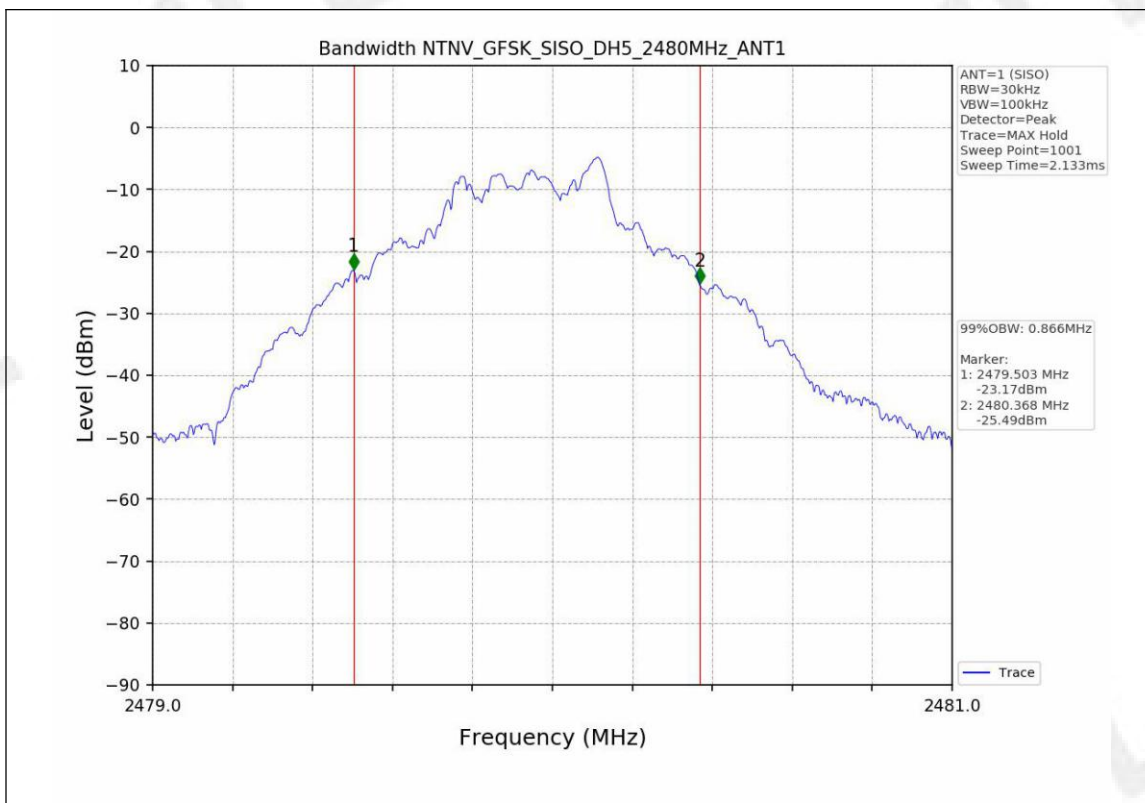


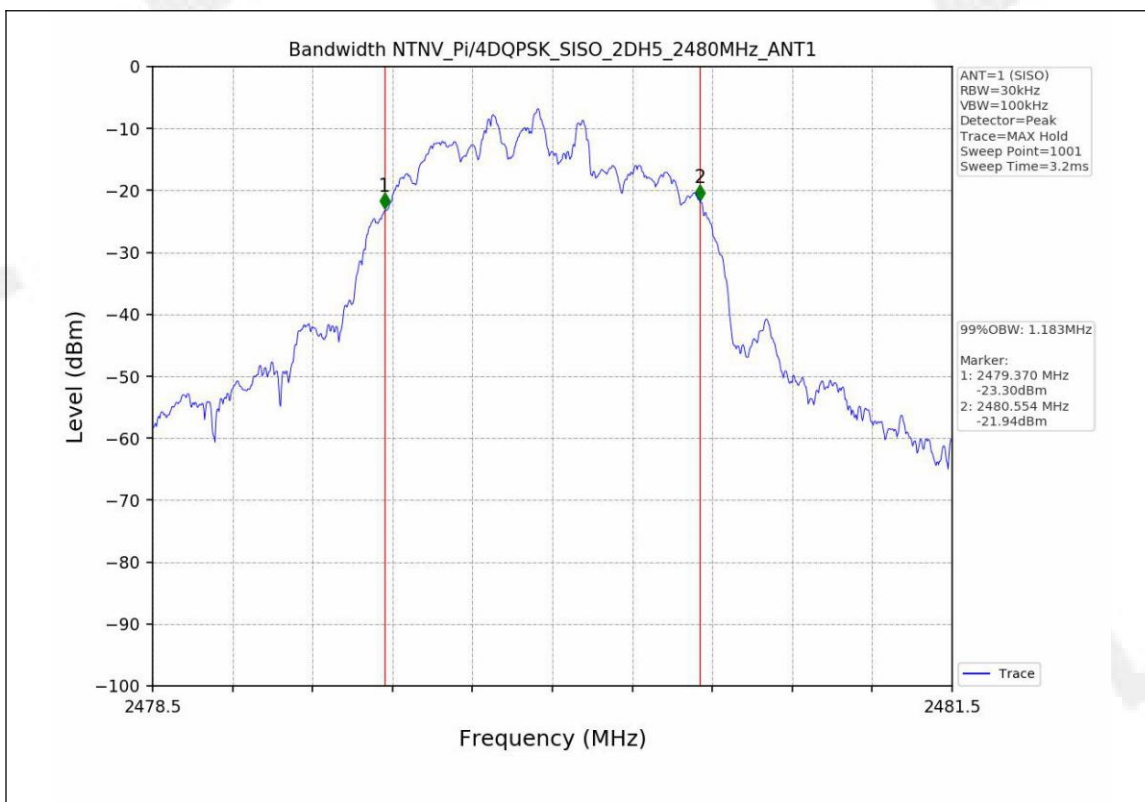
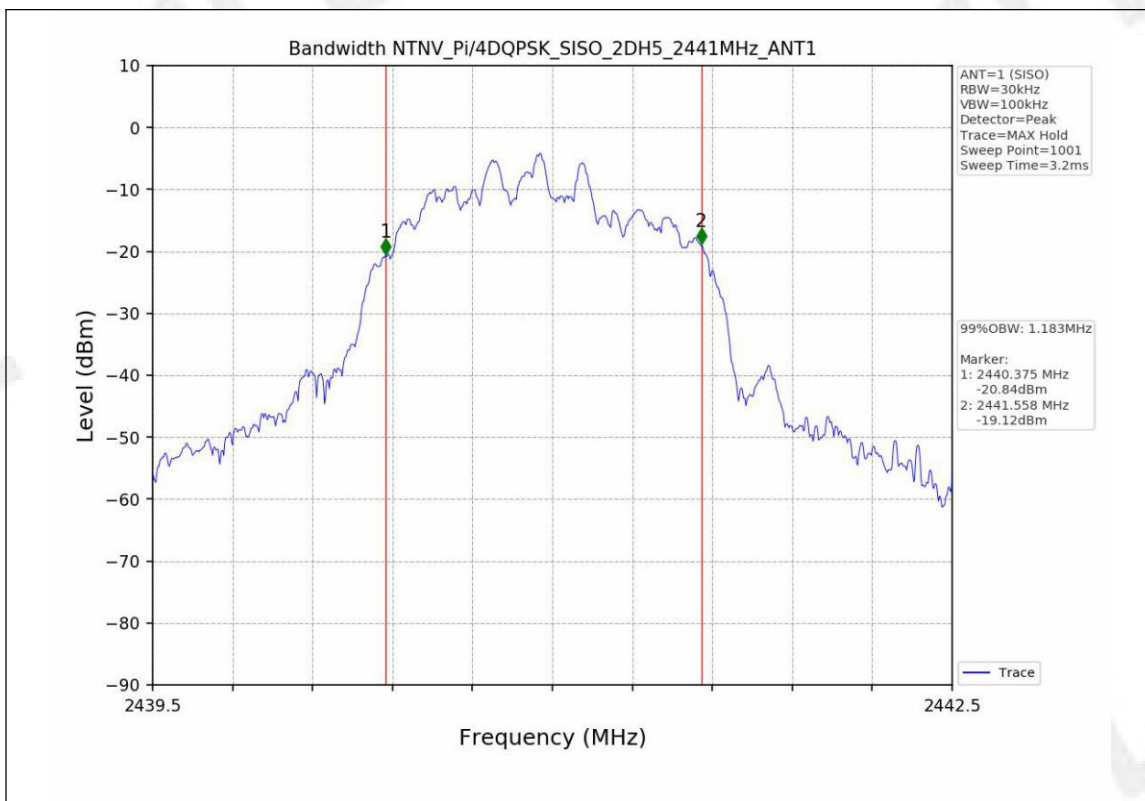


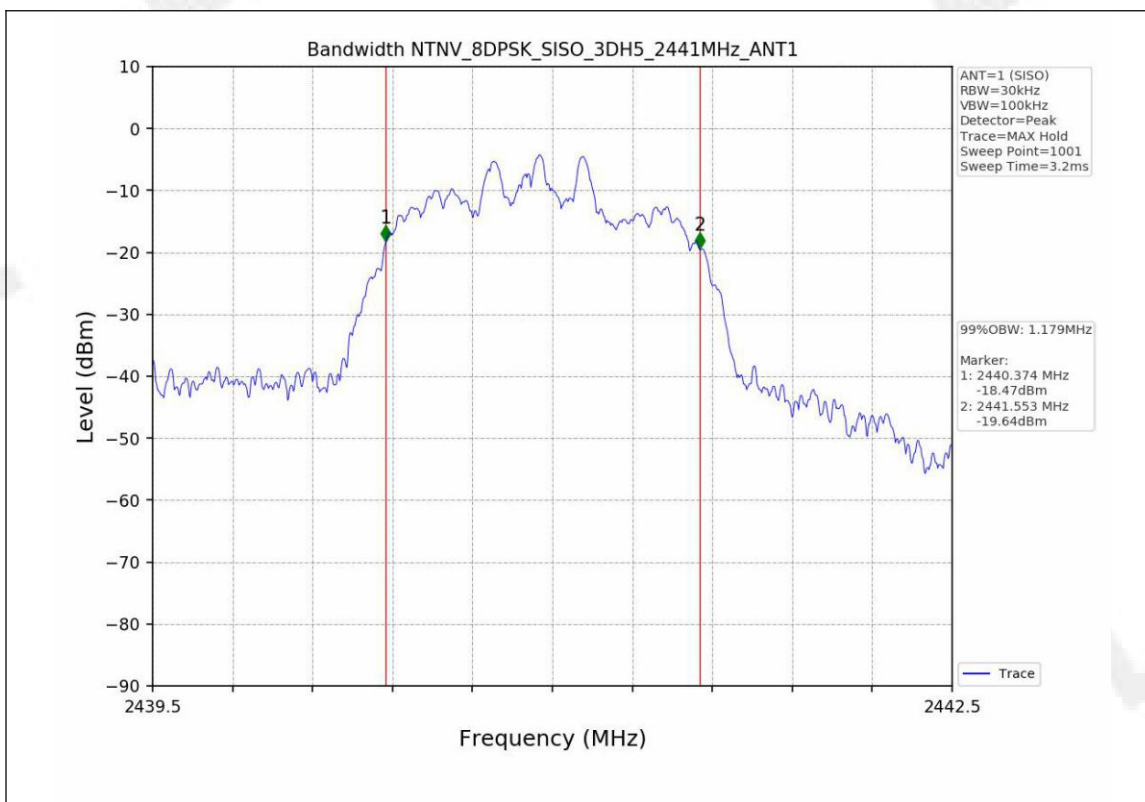
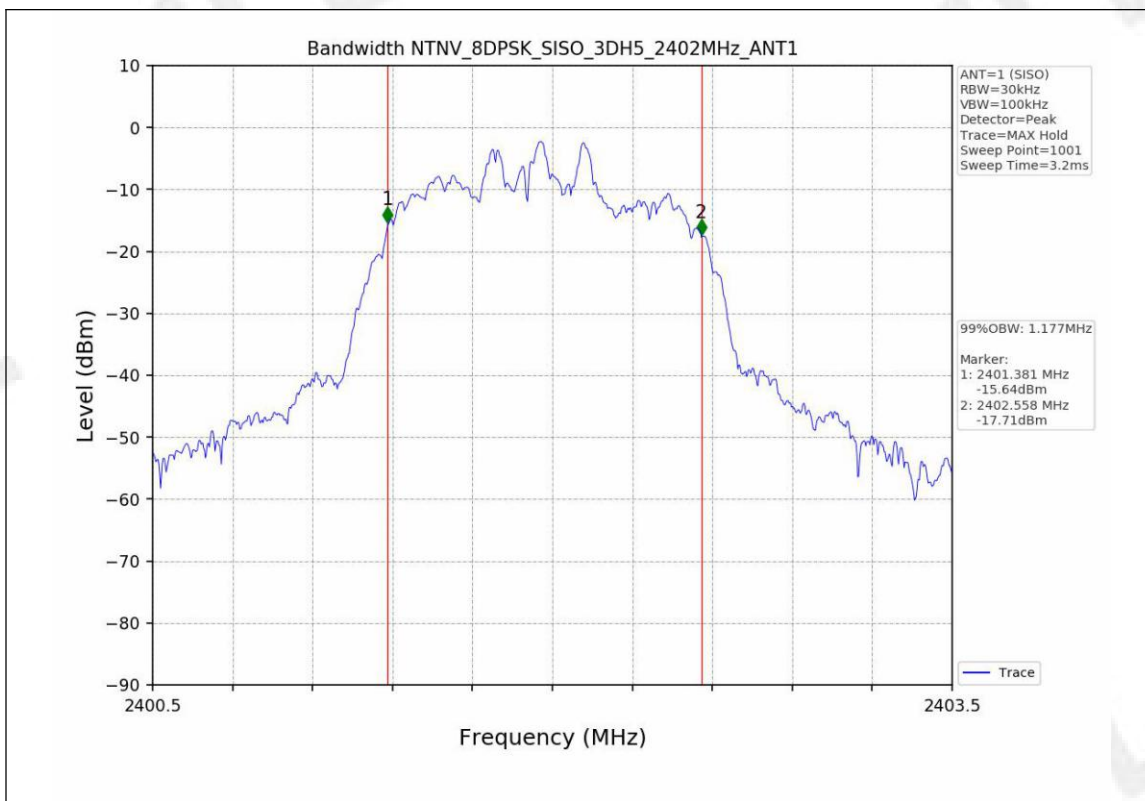
1.3 Test Graph - 99% Occupied Bandwidth

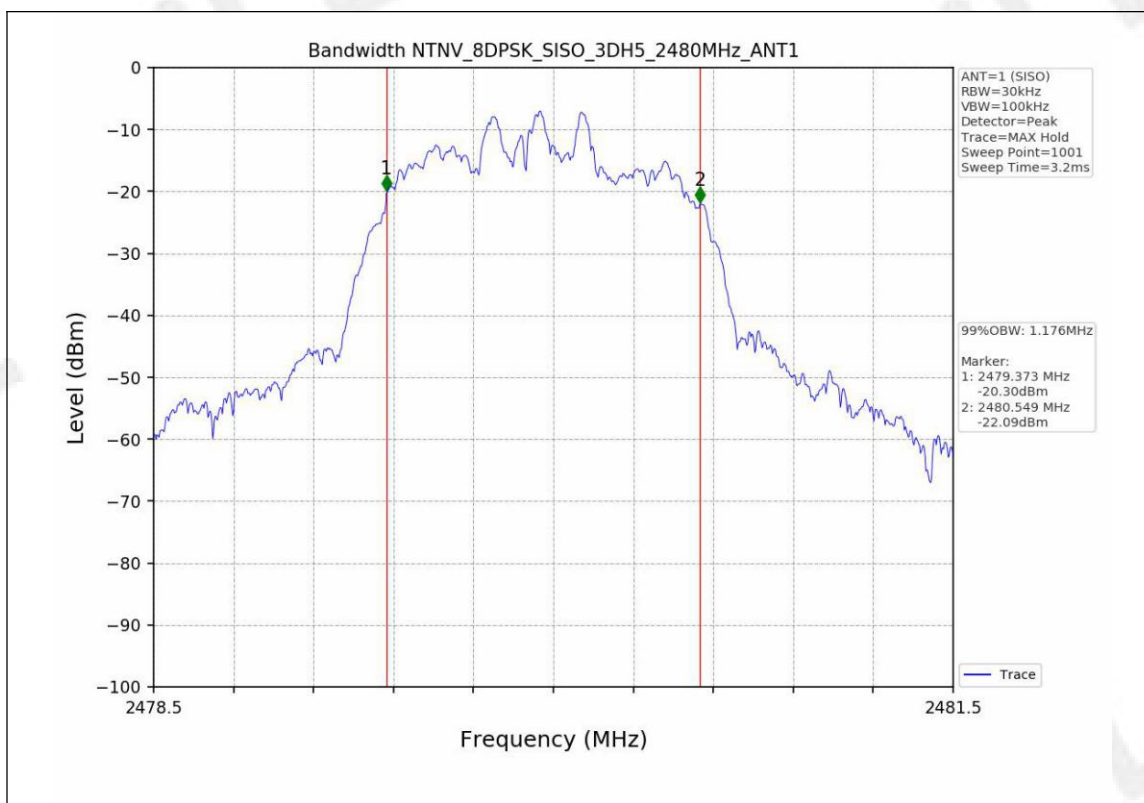










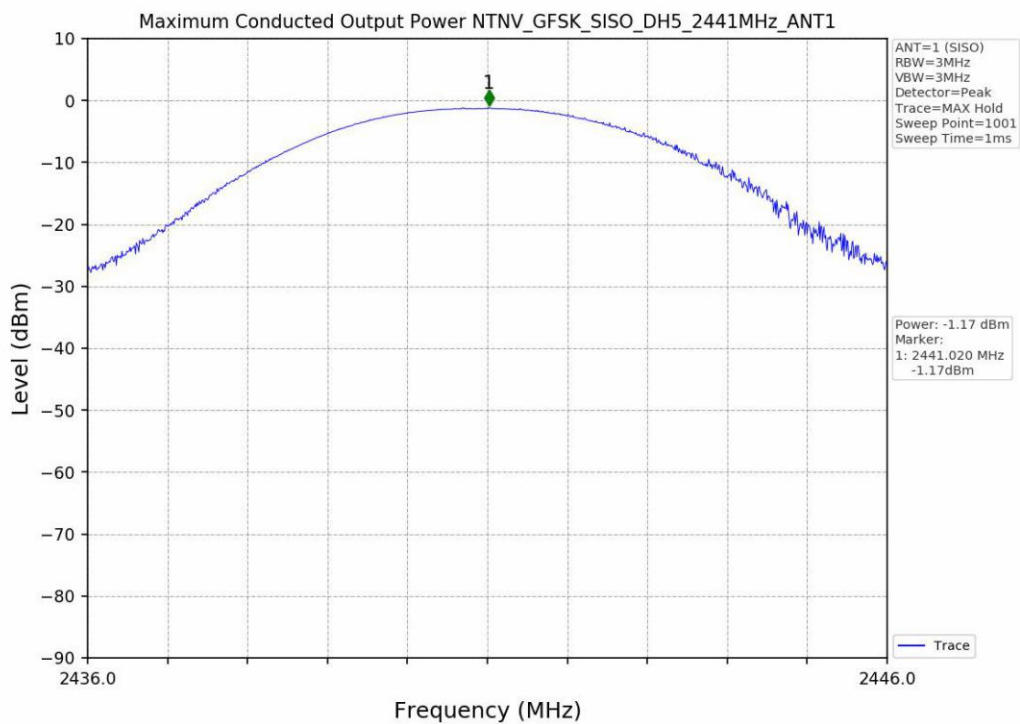
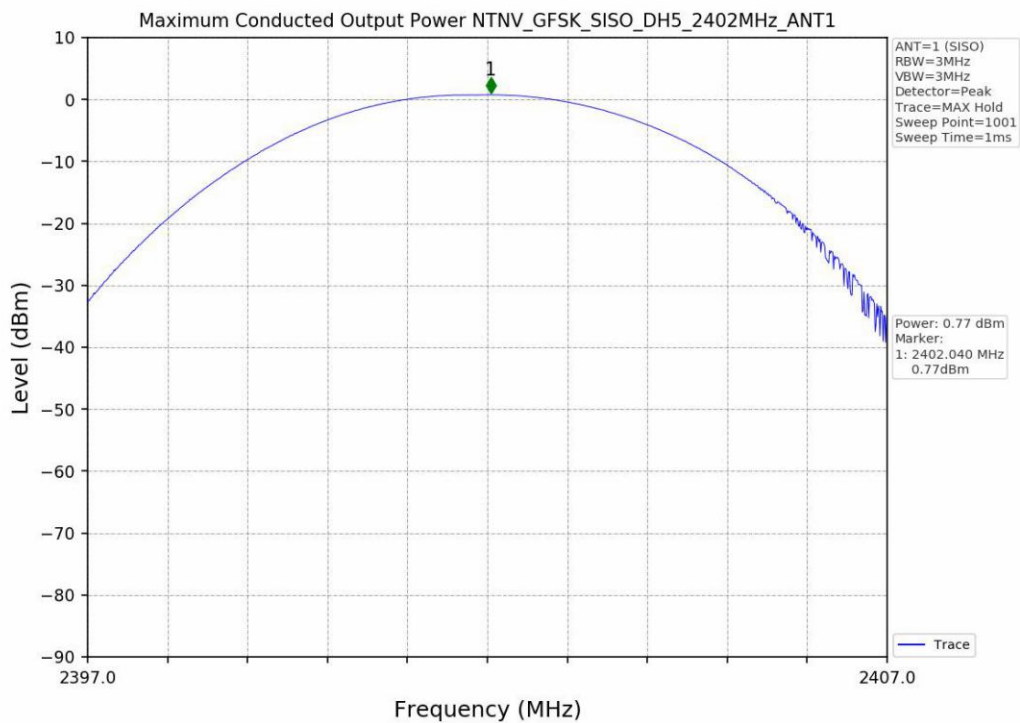


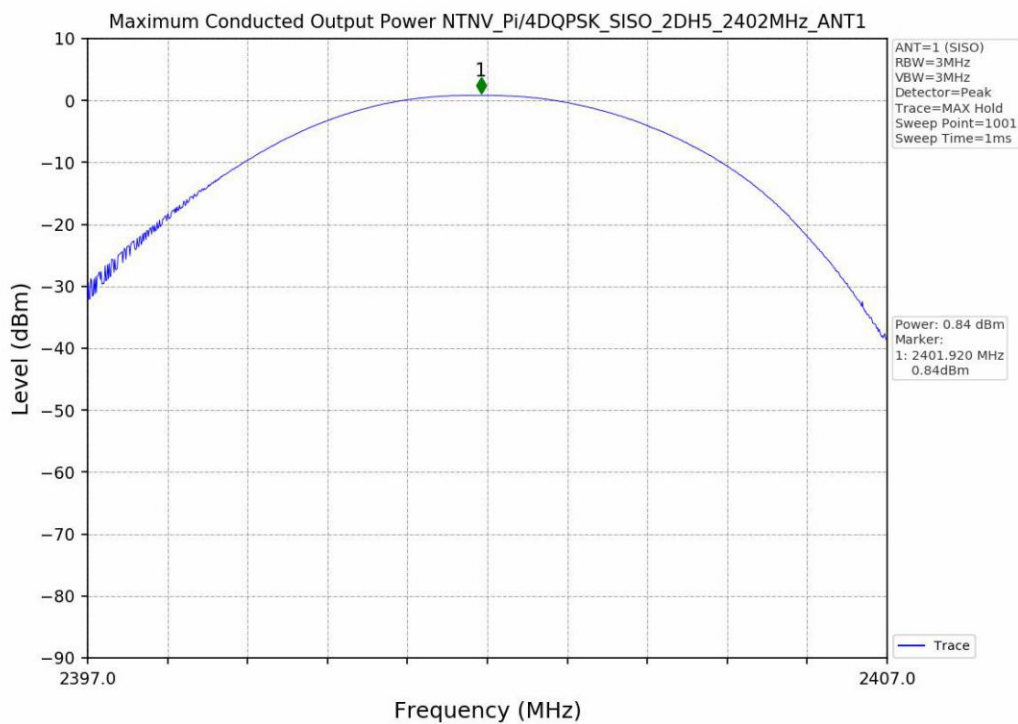
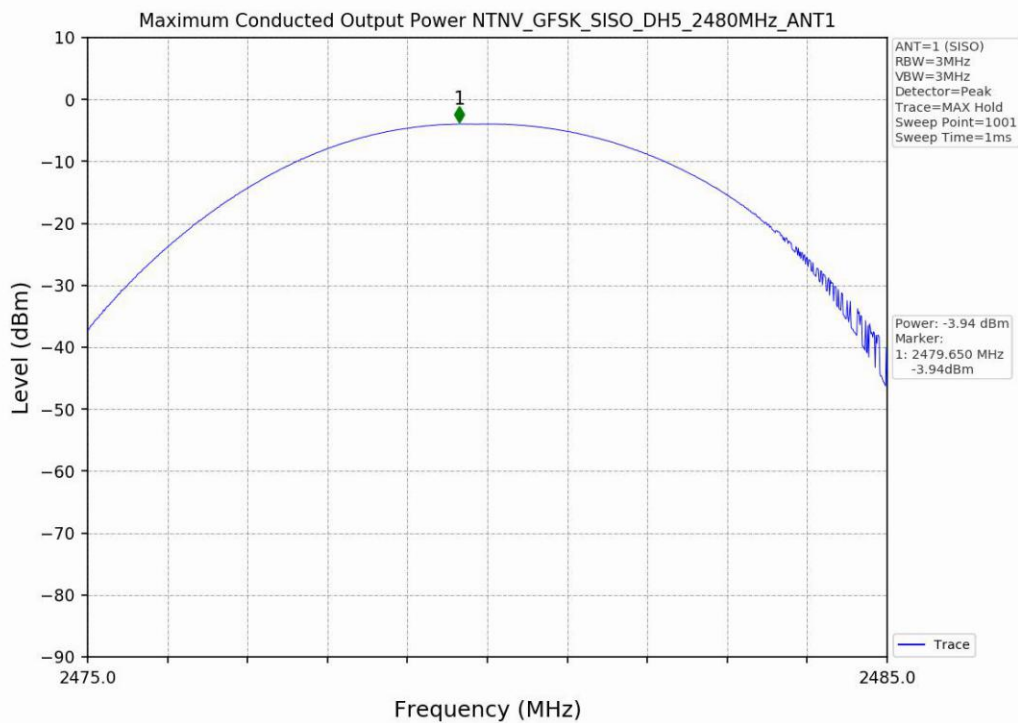
2. Maximum Conducted Output Power

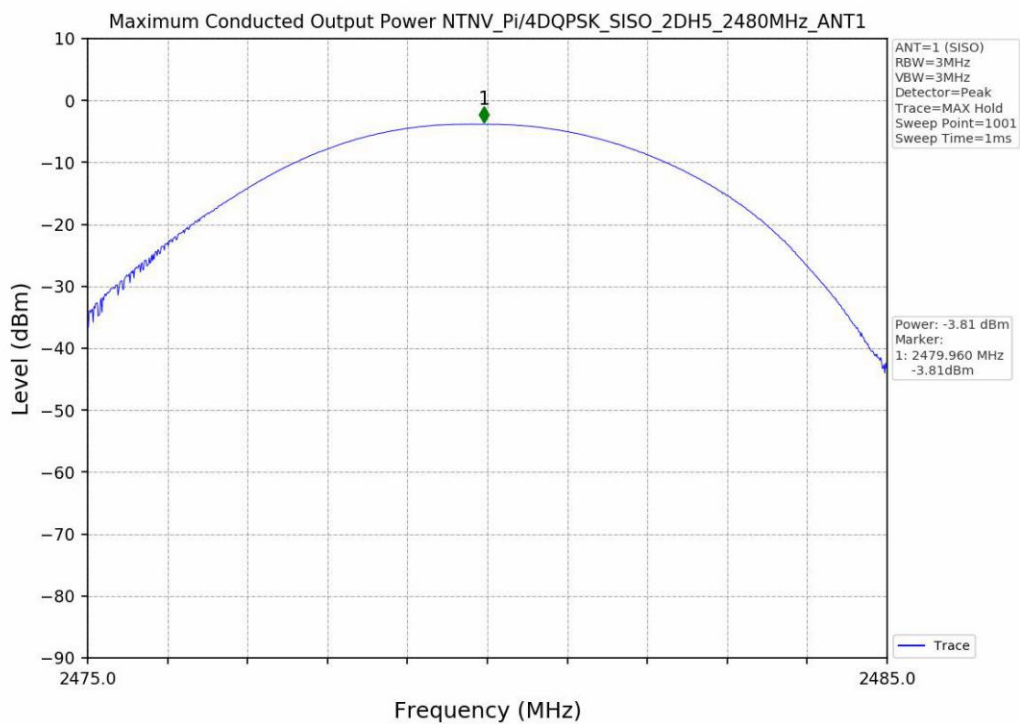
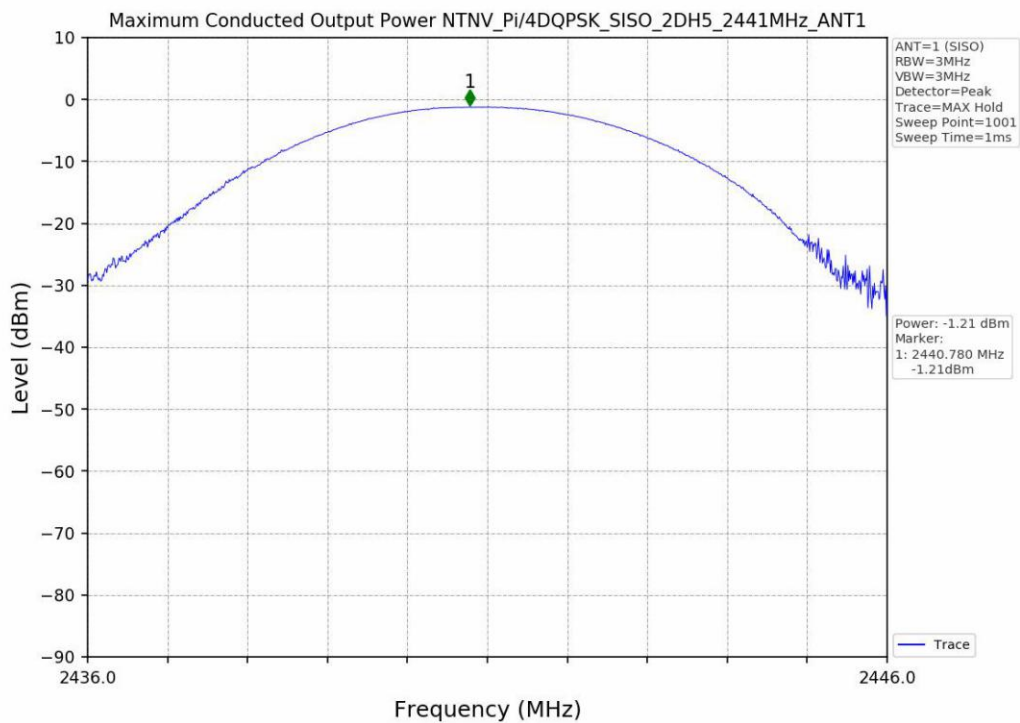
2.1 Test Result

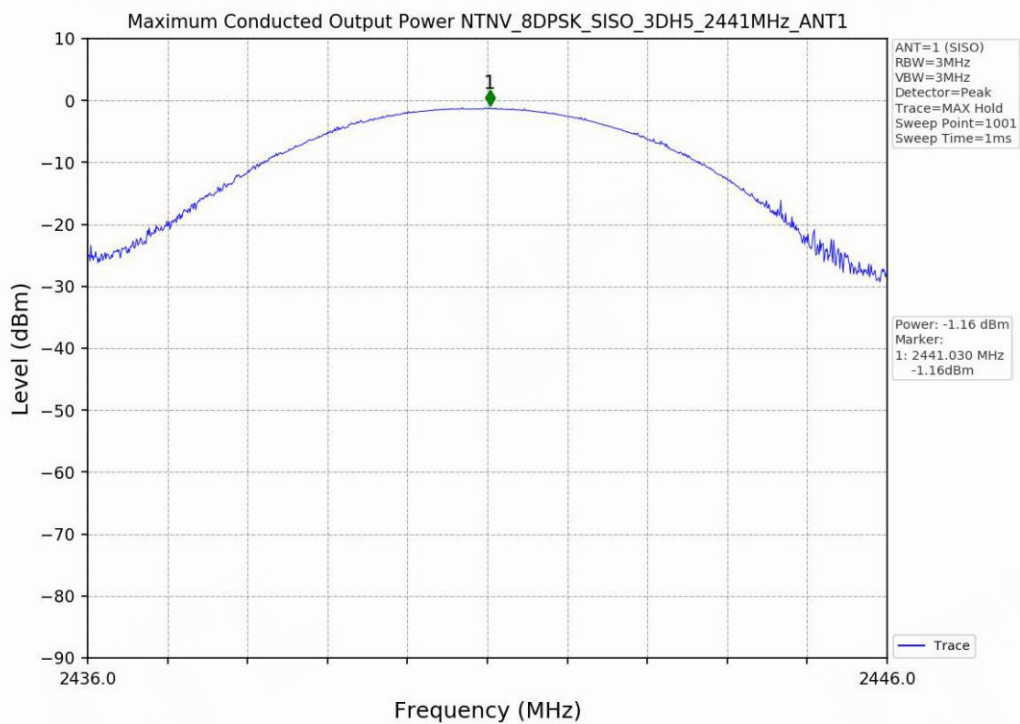
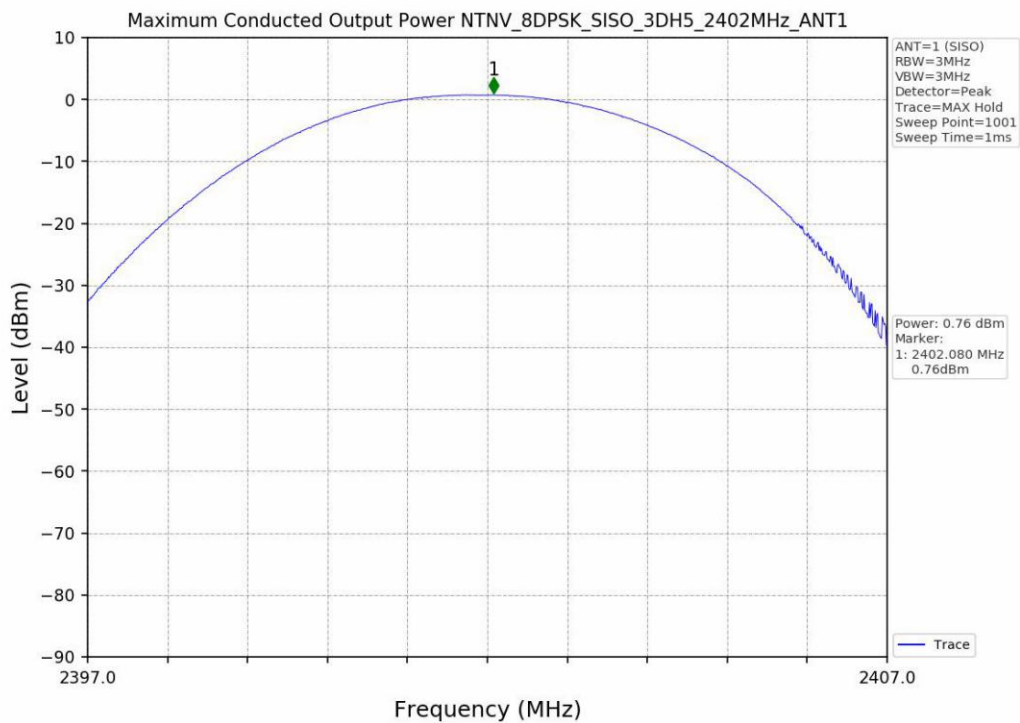
Test Mode	Frequency (MHz)	Tx Type	Measured Peak Output Power (dBm)	Limits (dBm)	Verdict
			Ant 1		
GFSK	2402	SISO	0.77	30	PASS
	2441	SISO	-1.17	30	PASS
	2480	SISO	-3.94	30	PASS
Pi/4DQPSK	2402	SISO	0.84	20.97	PASS
	2441	SISO	-1.21	20.97	PASS
	2480	SISO	-3.81	20.97	PASS
8DPSK	2402	SISO	0.76	20.97	PASS
	2441	SISO	-1.16	20.97	PASS
	2480	SISO	-3.95	20.97	PASS

2.2 Test Graph









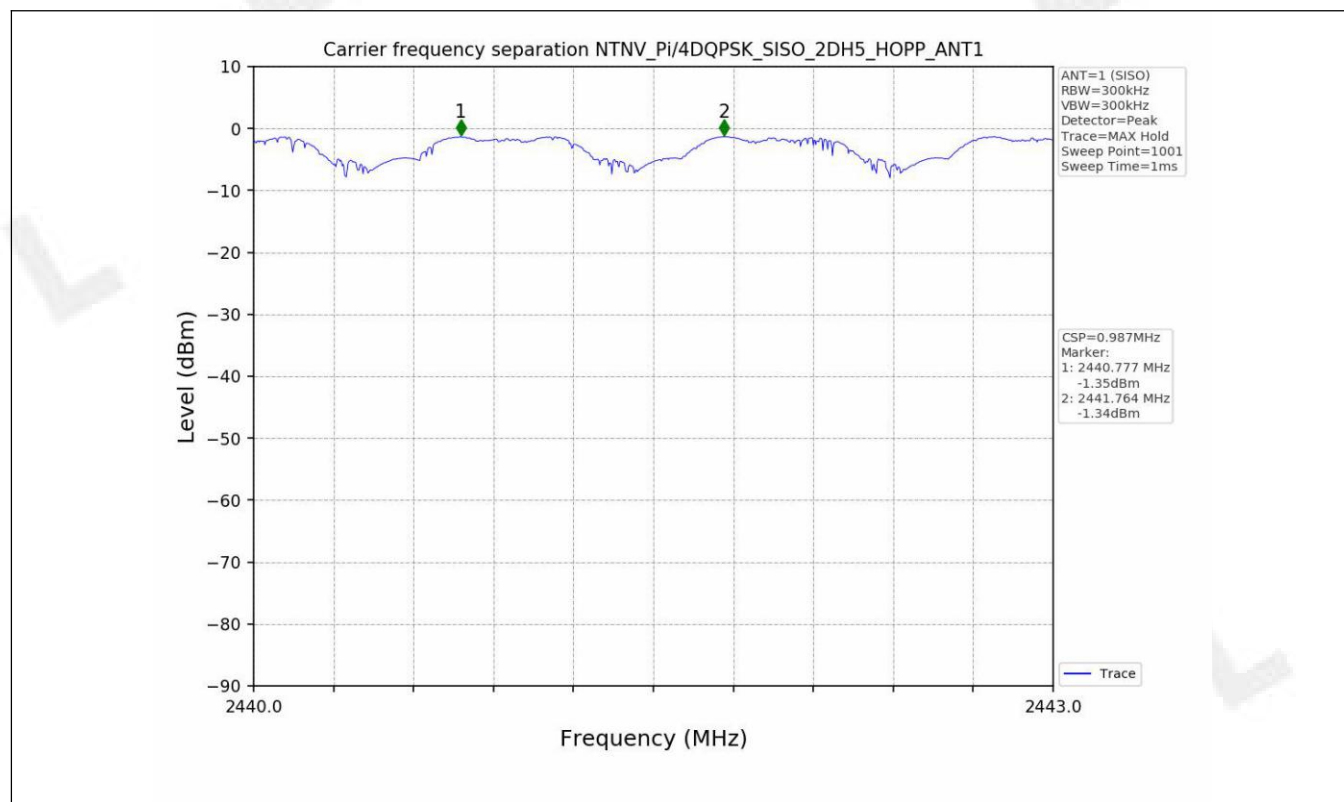
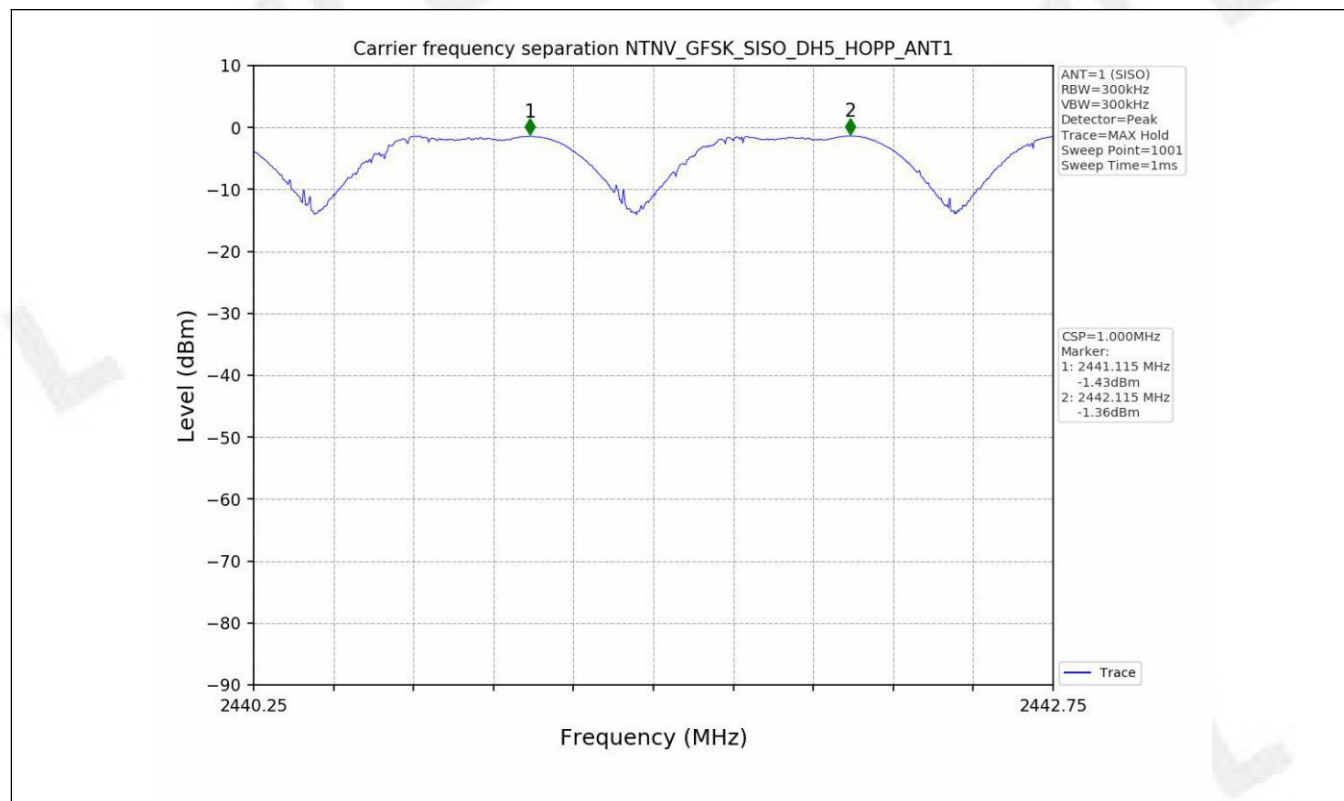


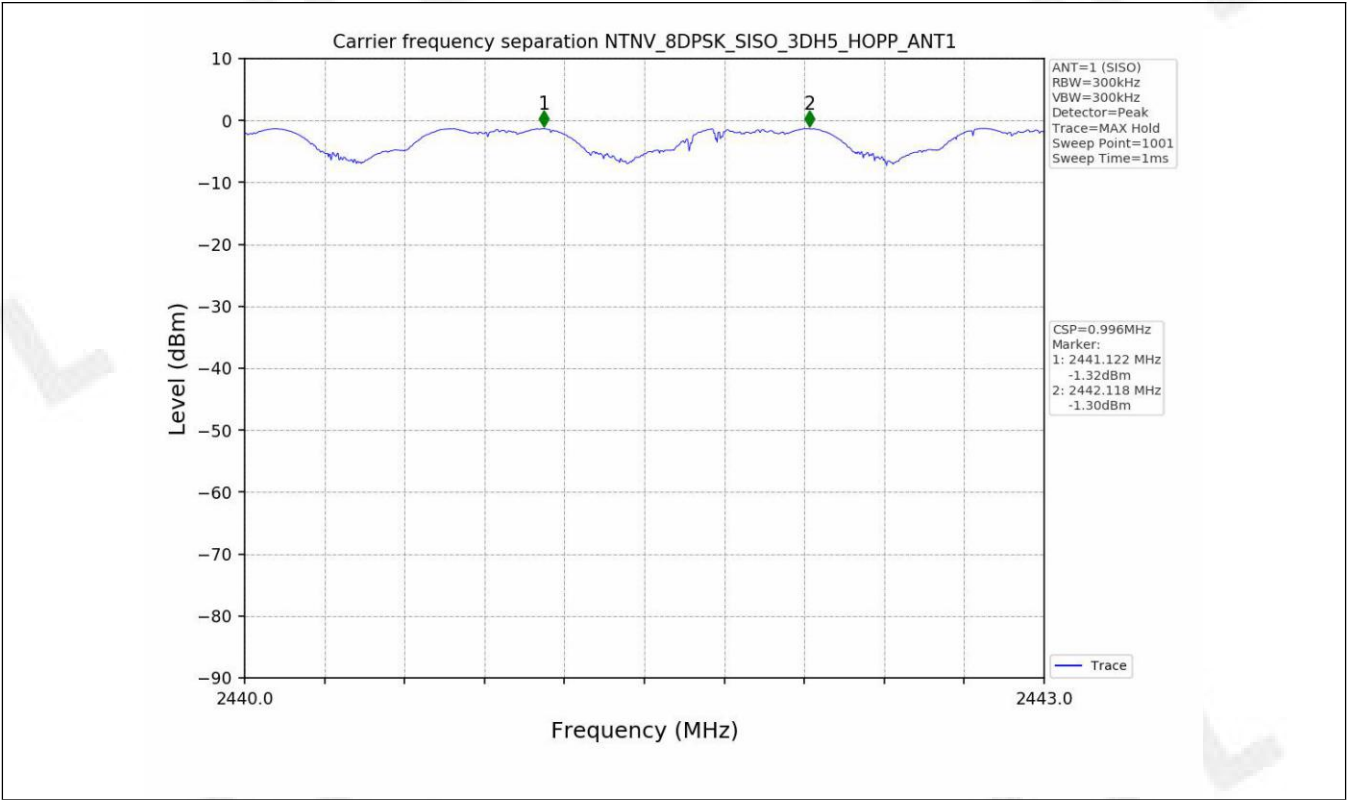
3. Carrier frequency separation

3.1 Test Result

Test Mode	TX Type	ANT No.	Channel Separation (MHz)	20dB Bandwidth (MHz)	Limits (MHz)	Verdict
GFSK	SISO	1	1.000	0.912	≥ 0.912	PASS
Pi/4DQPSK	SISO	1	0.987	1.297	≥ 0.865	PASS
8DPSK	SISO	1	0.996	1.281	≥ 0.854	PASS

3.2 Test Graph



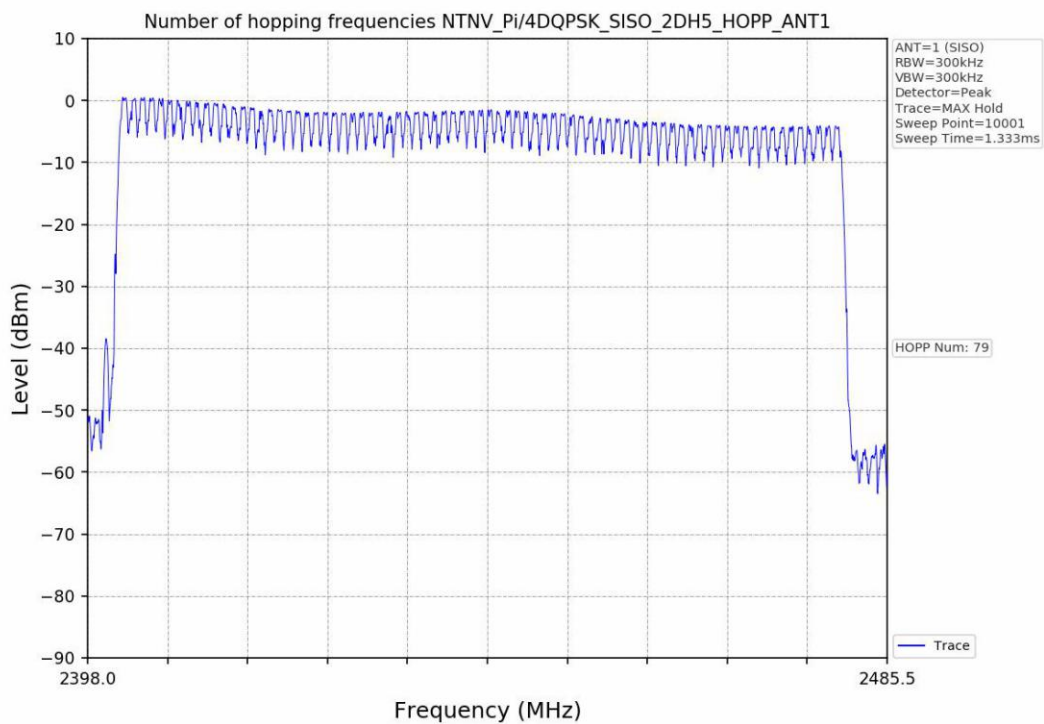
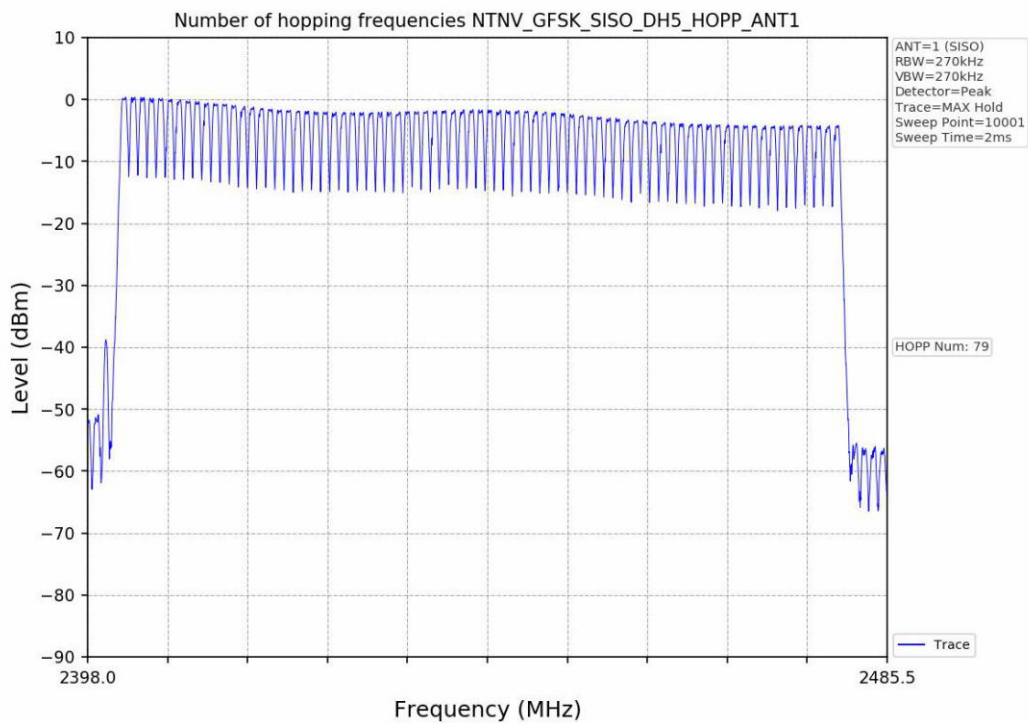


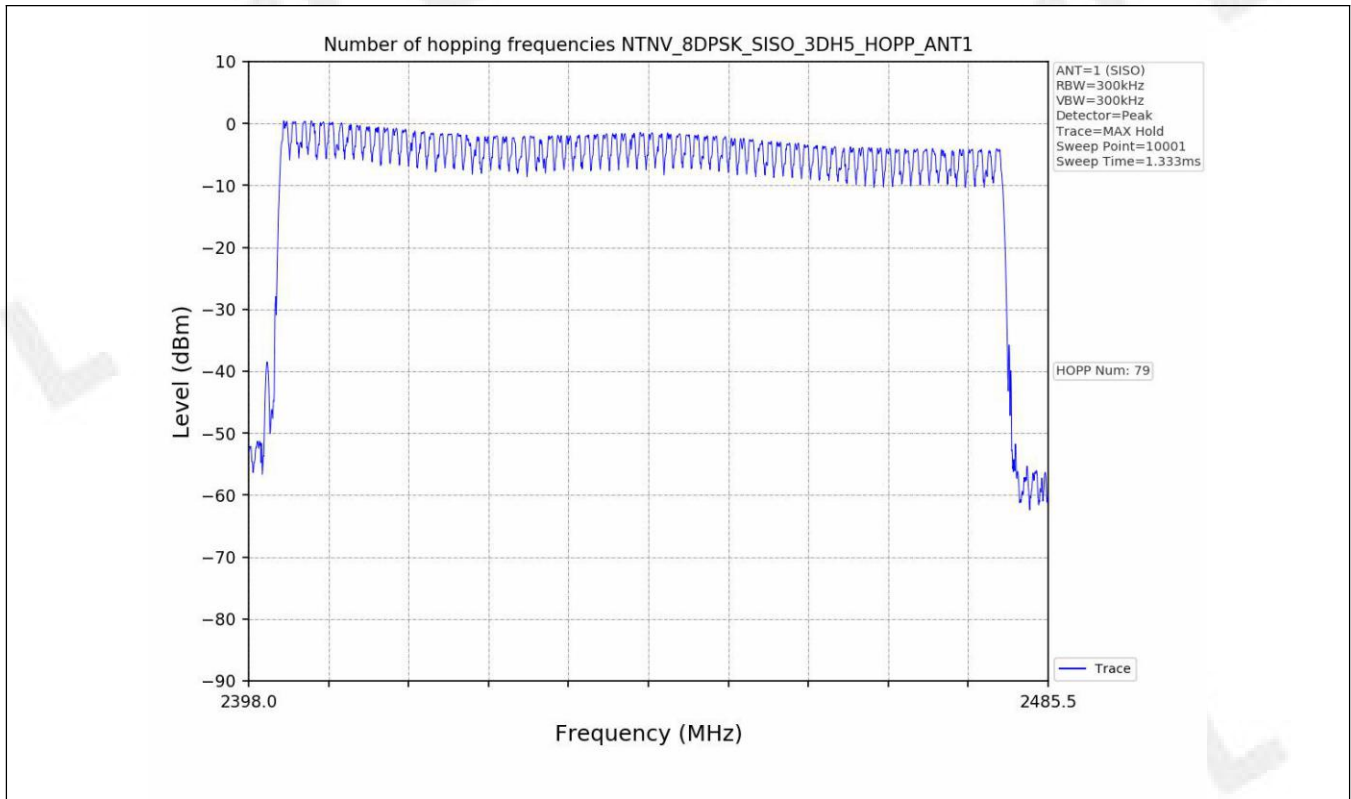
4. Number of hopping frequencies

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



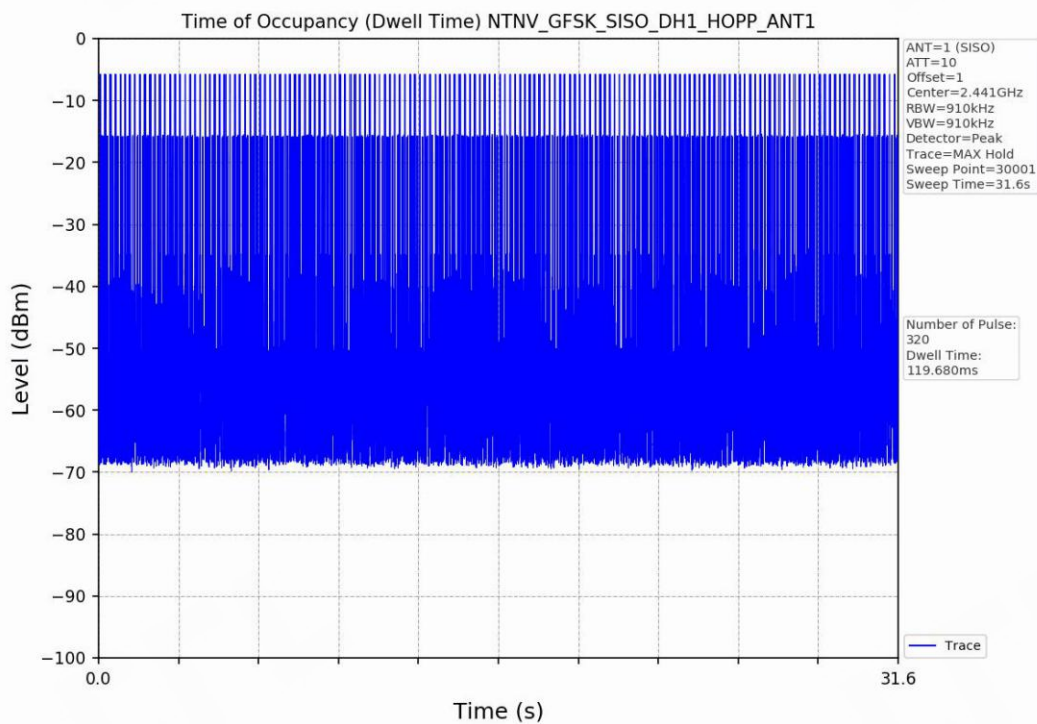
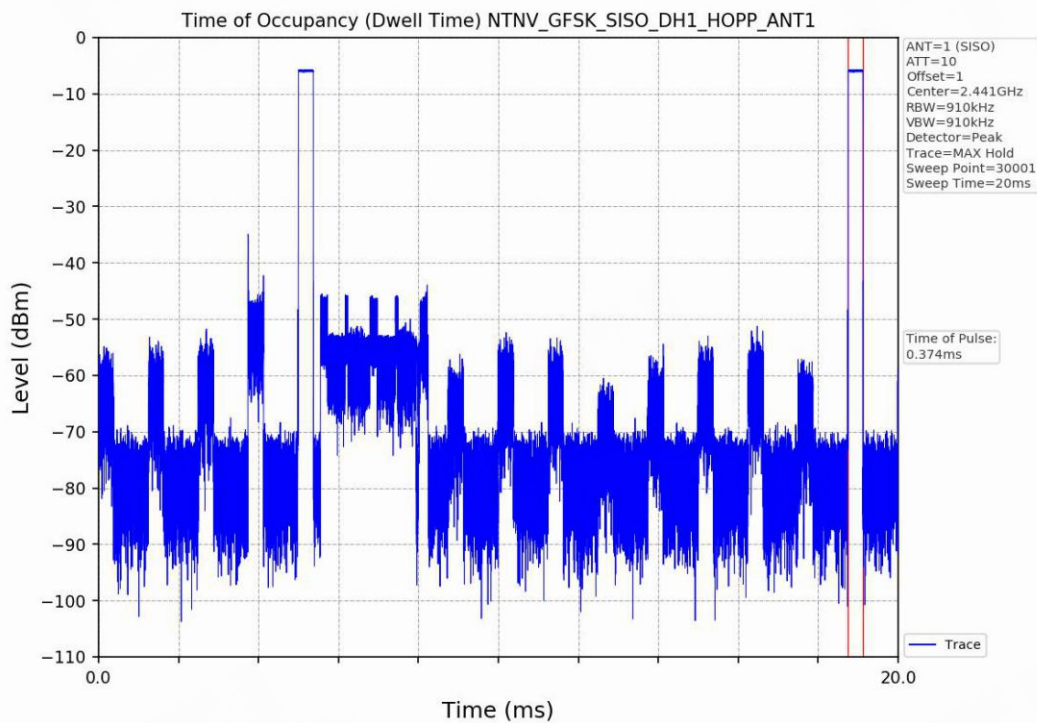


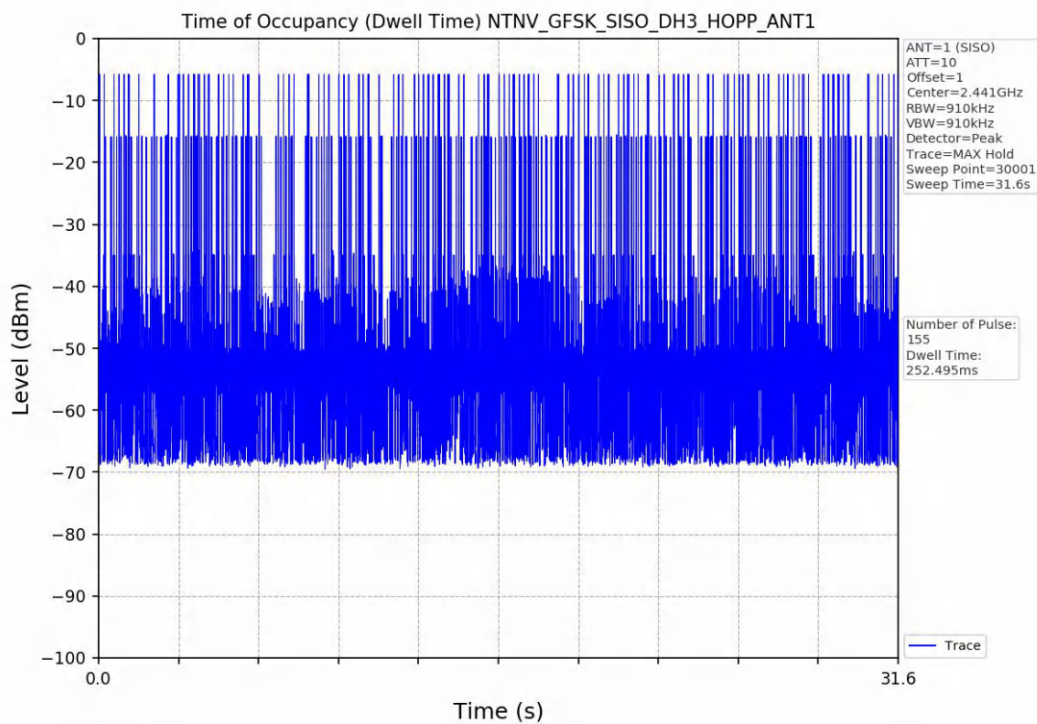
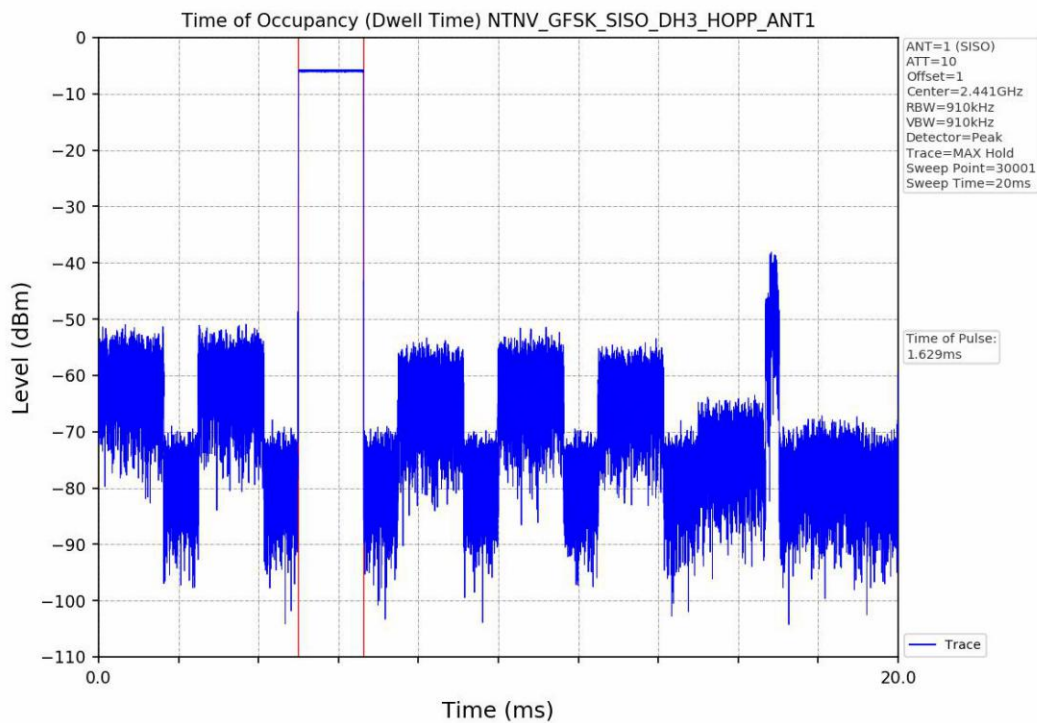
5. Time of Occupancy (Dwell Time)

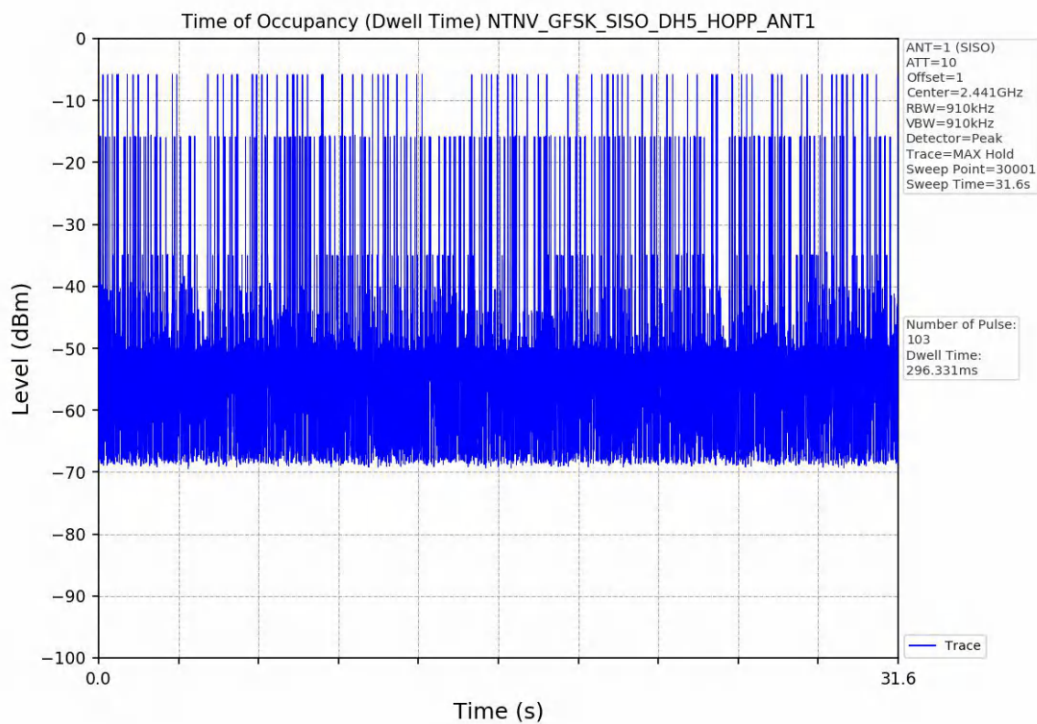
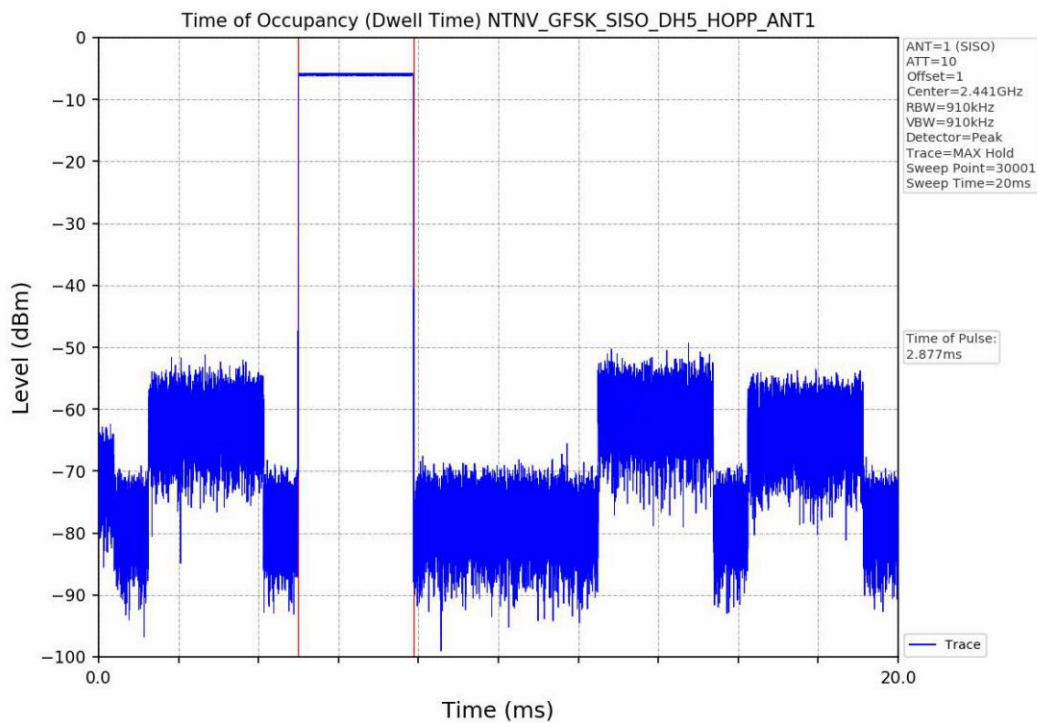
5.1 Test Result

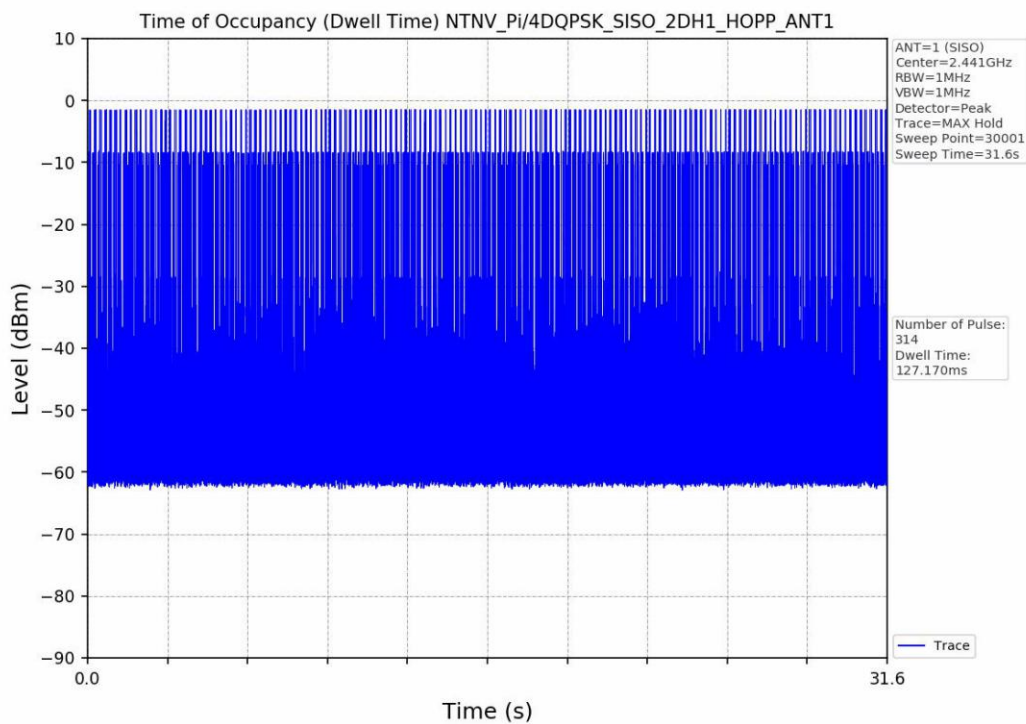
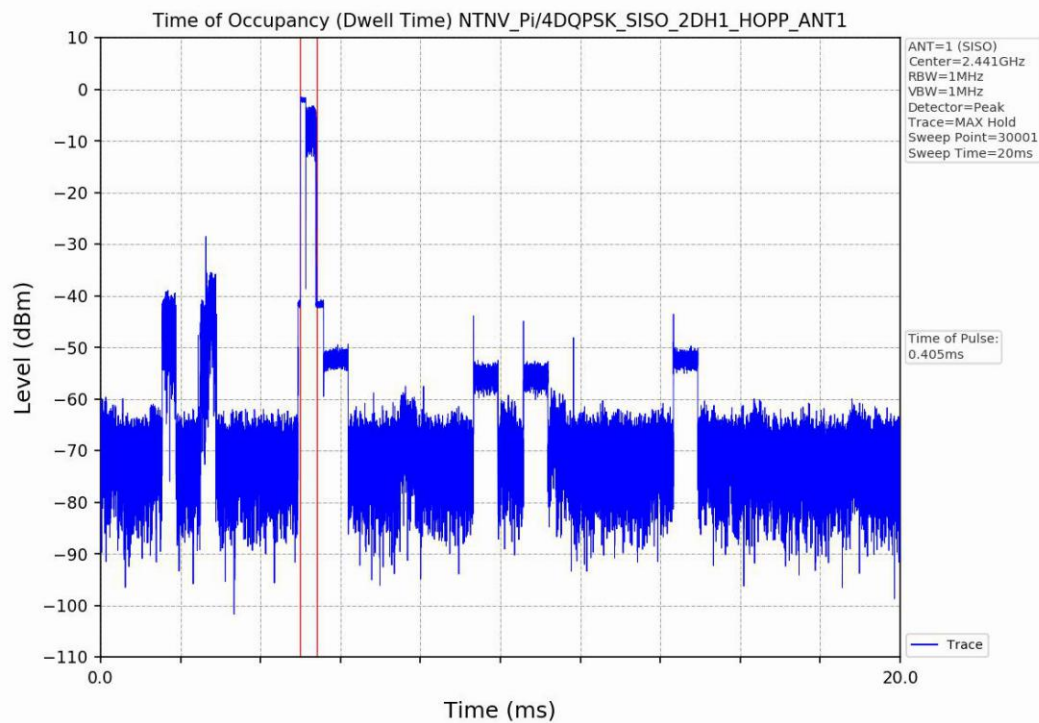
Test Mode	Packet Type	TX Type	ANT No.	Duration of Single Pulse (ms)	Observation Period (s)	Num of Pulse in Observation Period	Dwell Time (ms)	Limits (ms)	Verdict
GFSK	DH1	SISO	1	0.374	31.6	320	119.680	≤400	PASS
	DH3	SISO	1	1.629	31.6	155	252.495	≤400	PASS
	DH5	SISO	1	2.877	31.6	103	296.331	≤400	PASS
Pi/4DQPSK	2DH1	SISO	1	0.405	31.6	314	127.170	≤400	PASS
	2DH3	SISO	1	1.889	31.6	173	326.797	≤400	PASS
	2DH5	SISO	1	3.137	31.6	101	316.837	≤400	PASS
8DPSK	3DH1	SISO	1	6.656	31.6	54	359.424	≤400	PASS
	3DH3	SISO	1	0.642	31.6	163	104.646	≤400	PASS
	3DH5	SISO	1	0.886	31.6	95	84.170	≤400	PASS

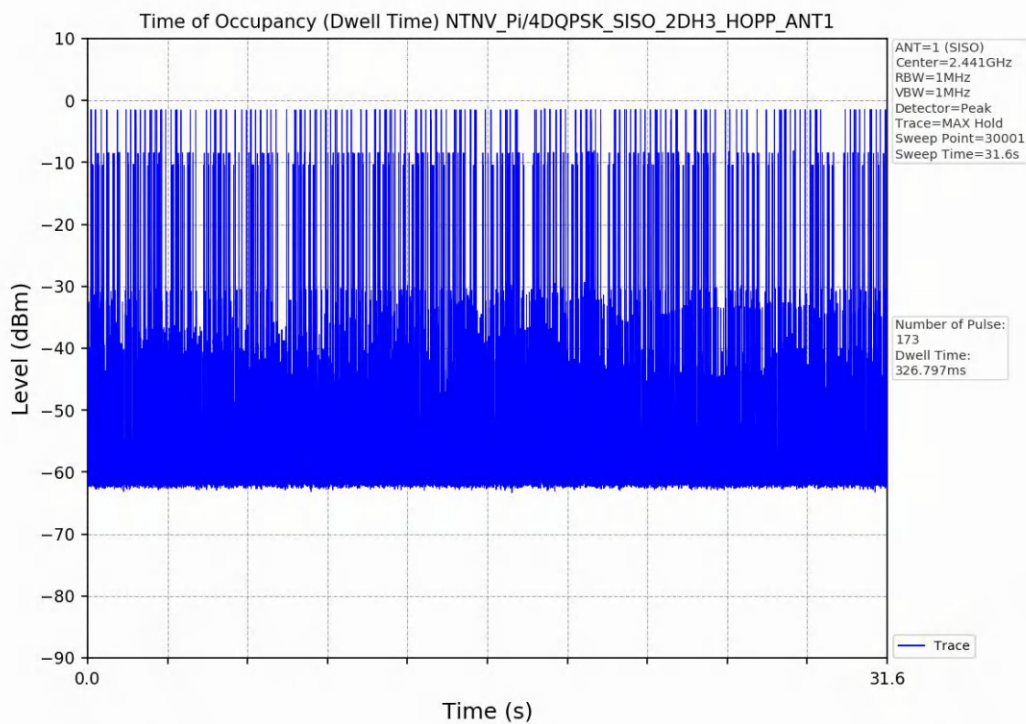
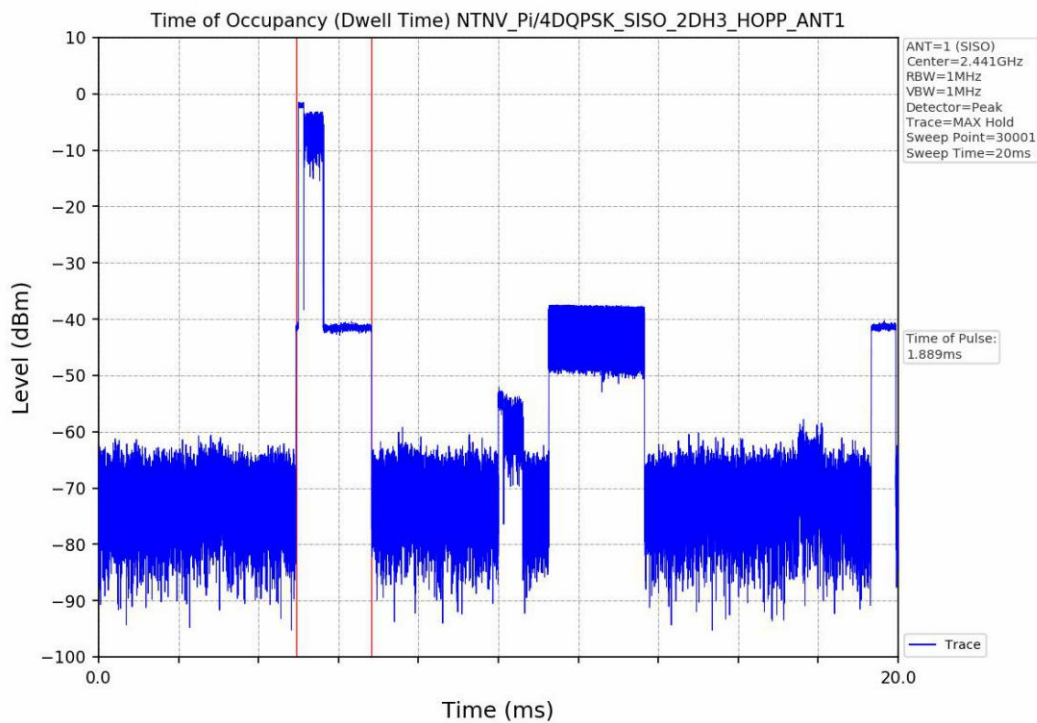
5.2 Test Graph

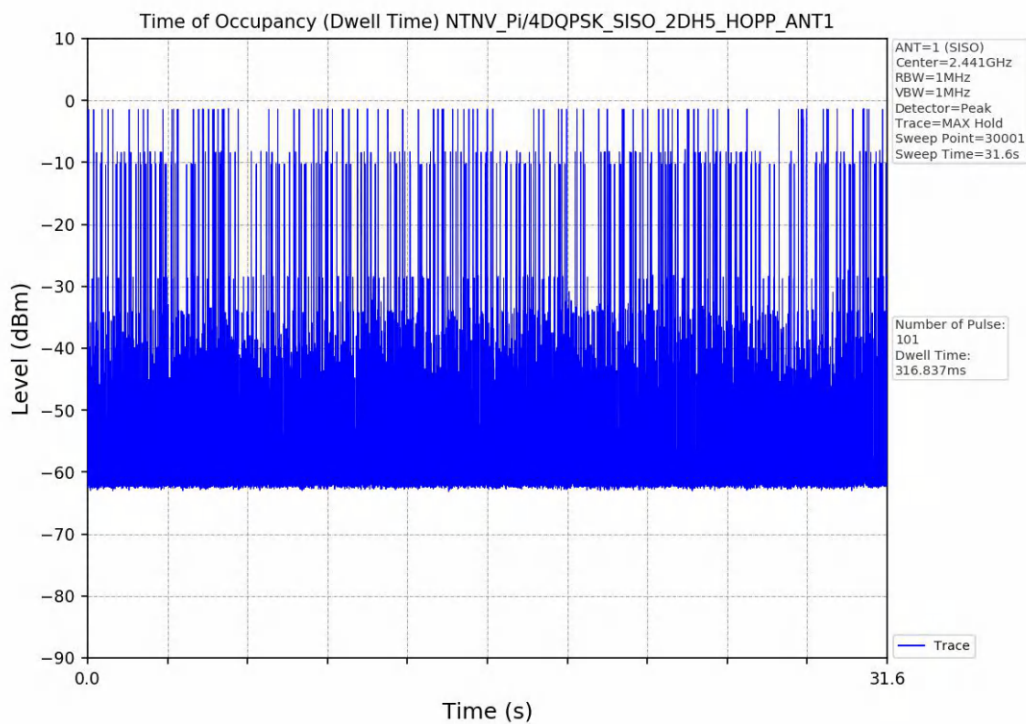
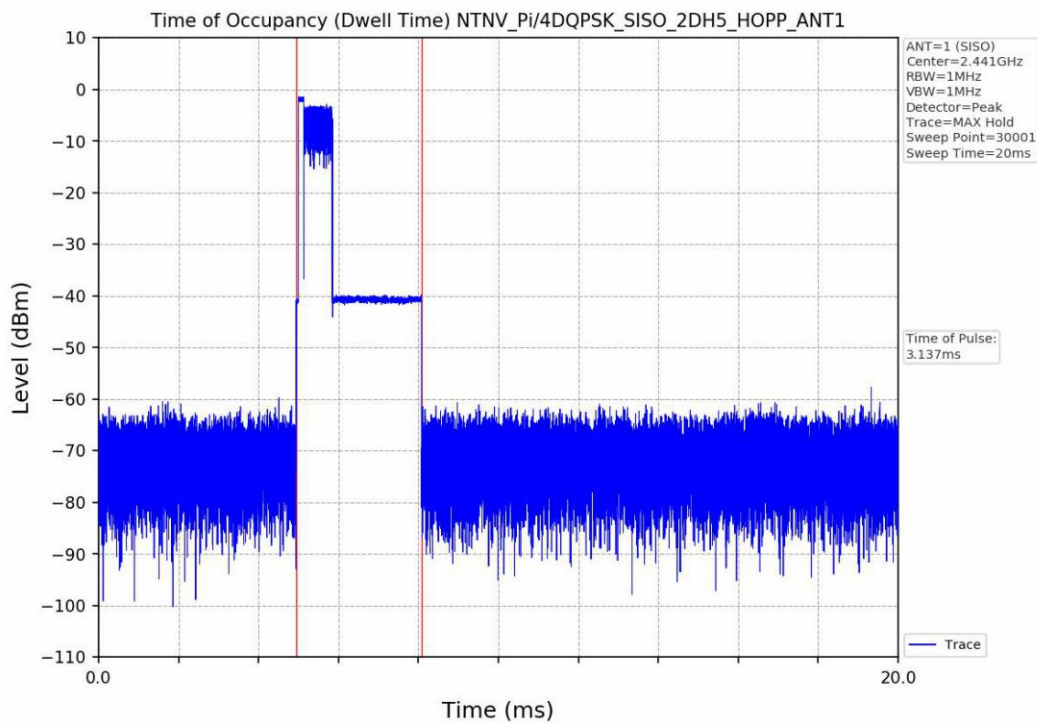


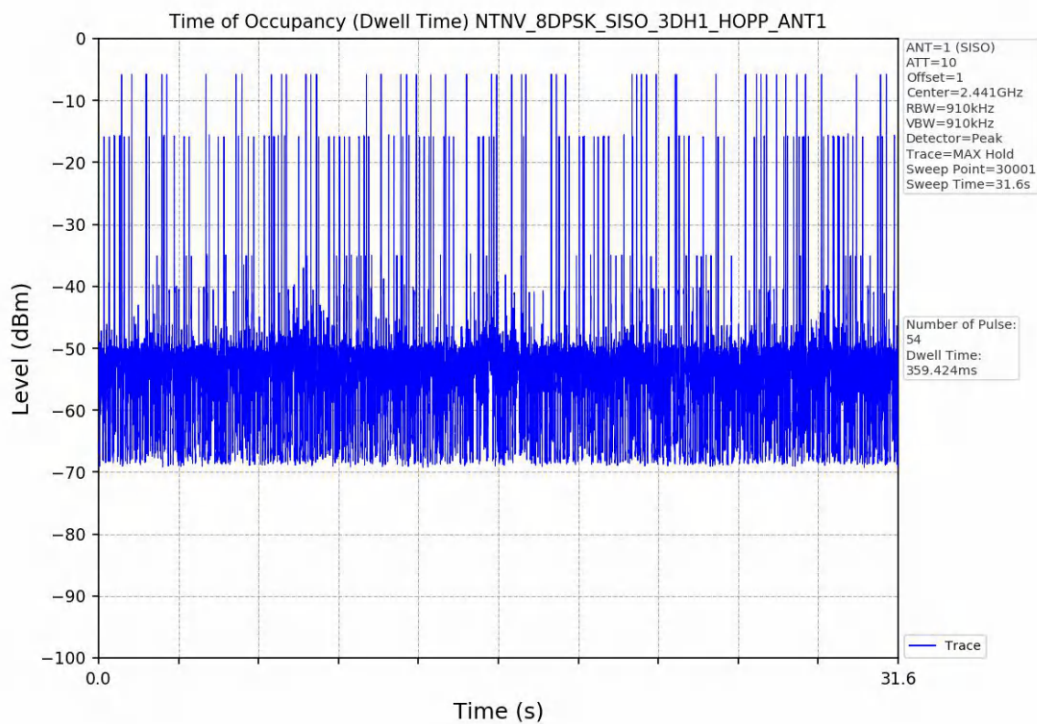
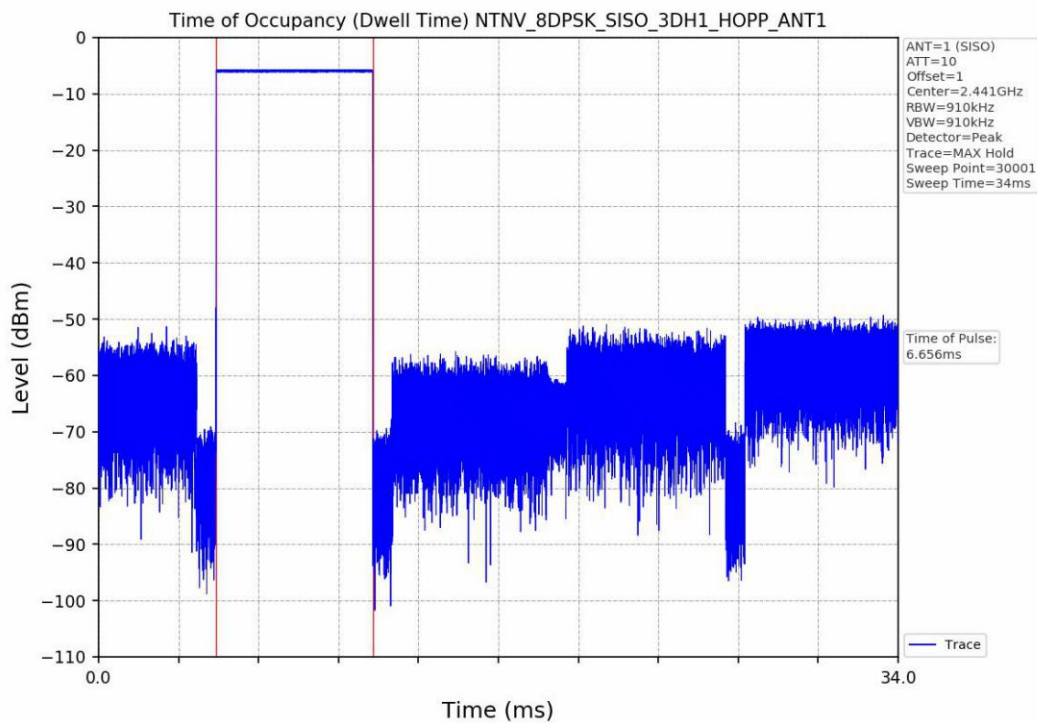


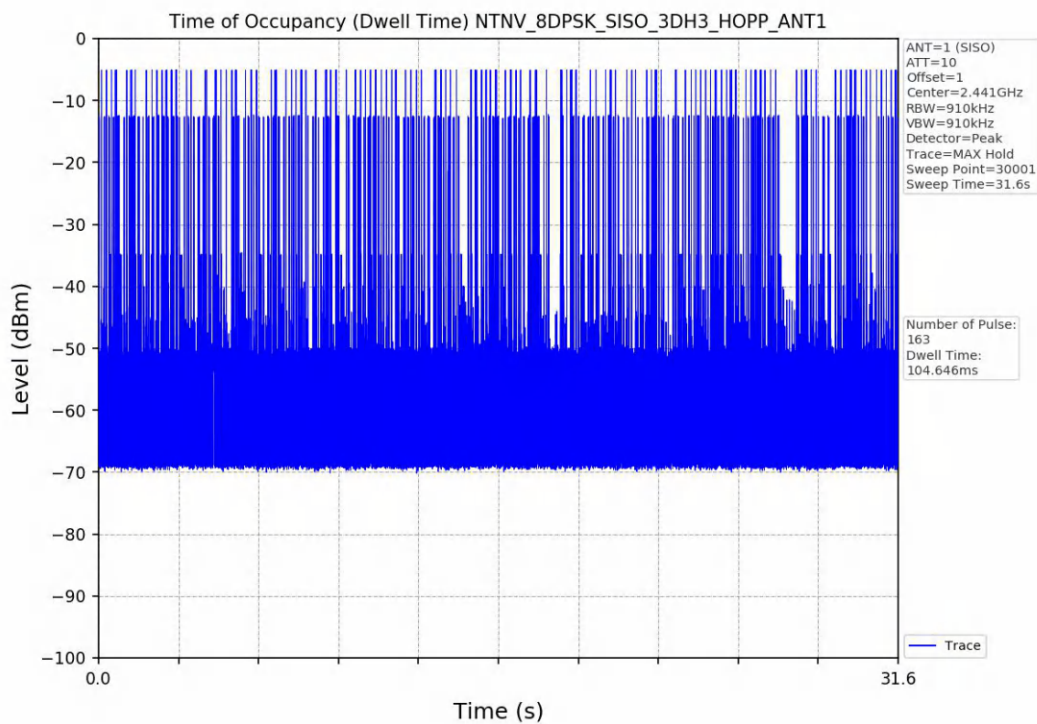
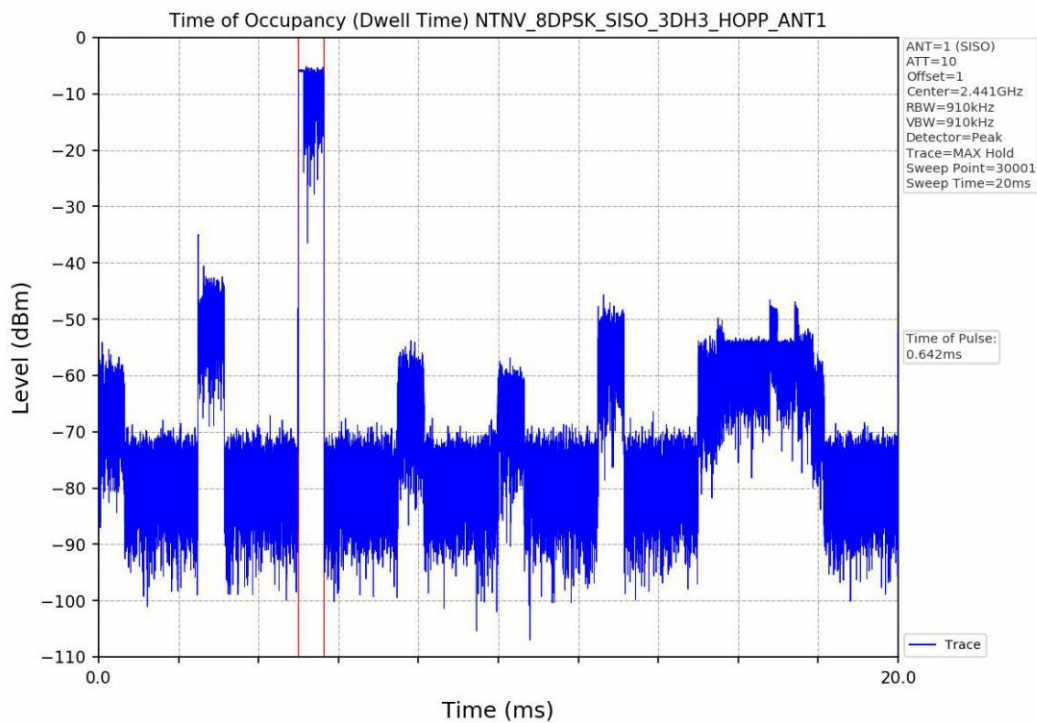


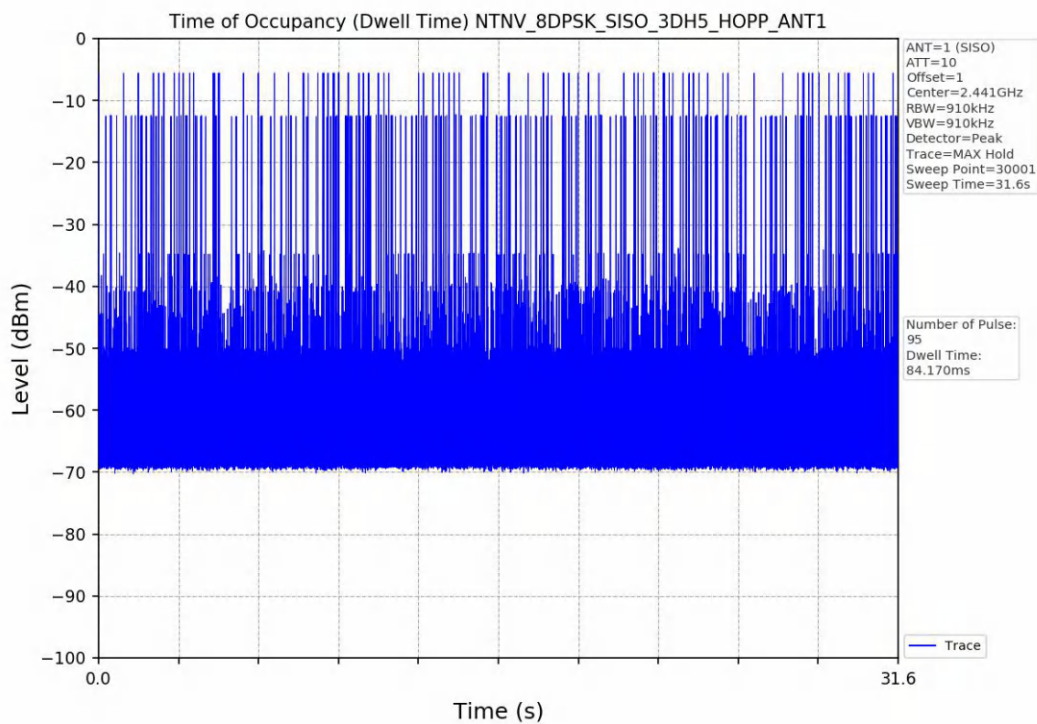
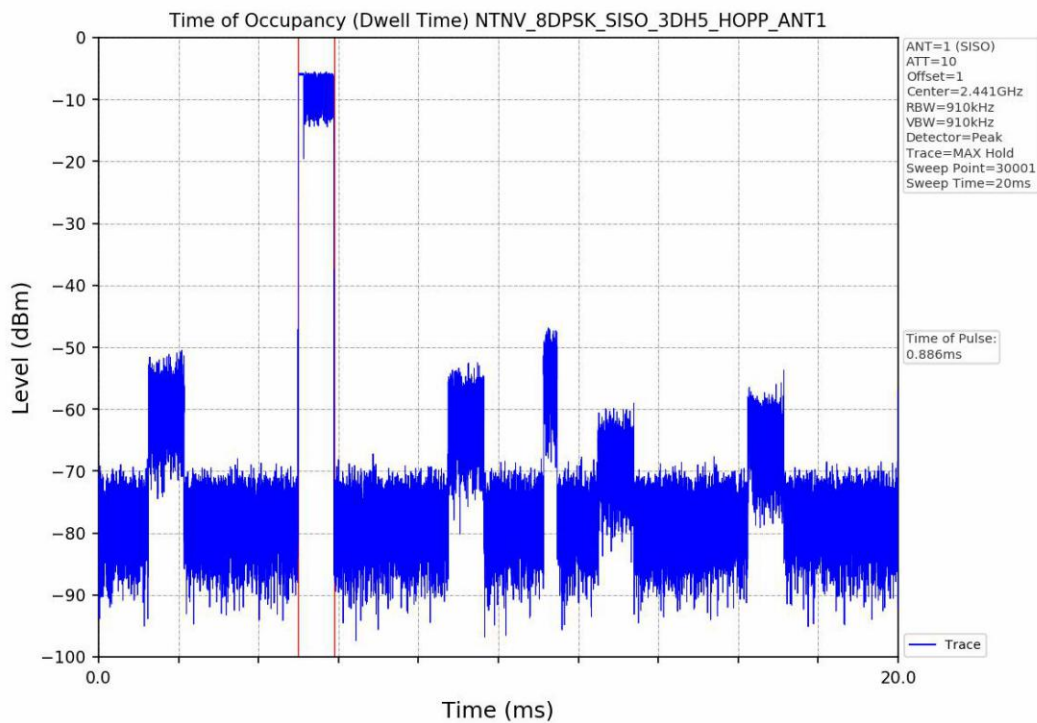










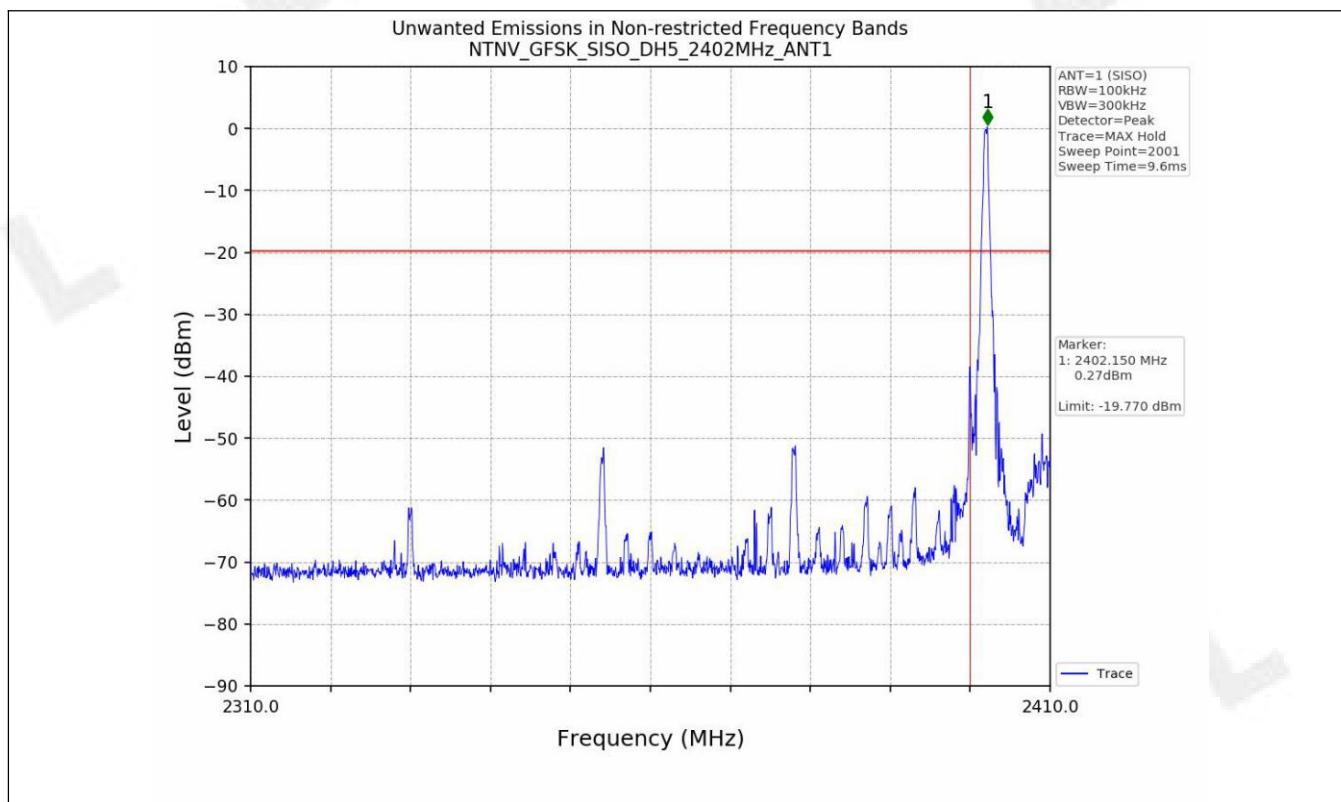
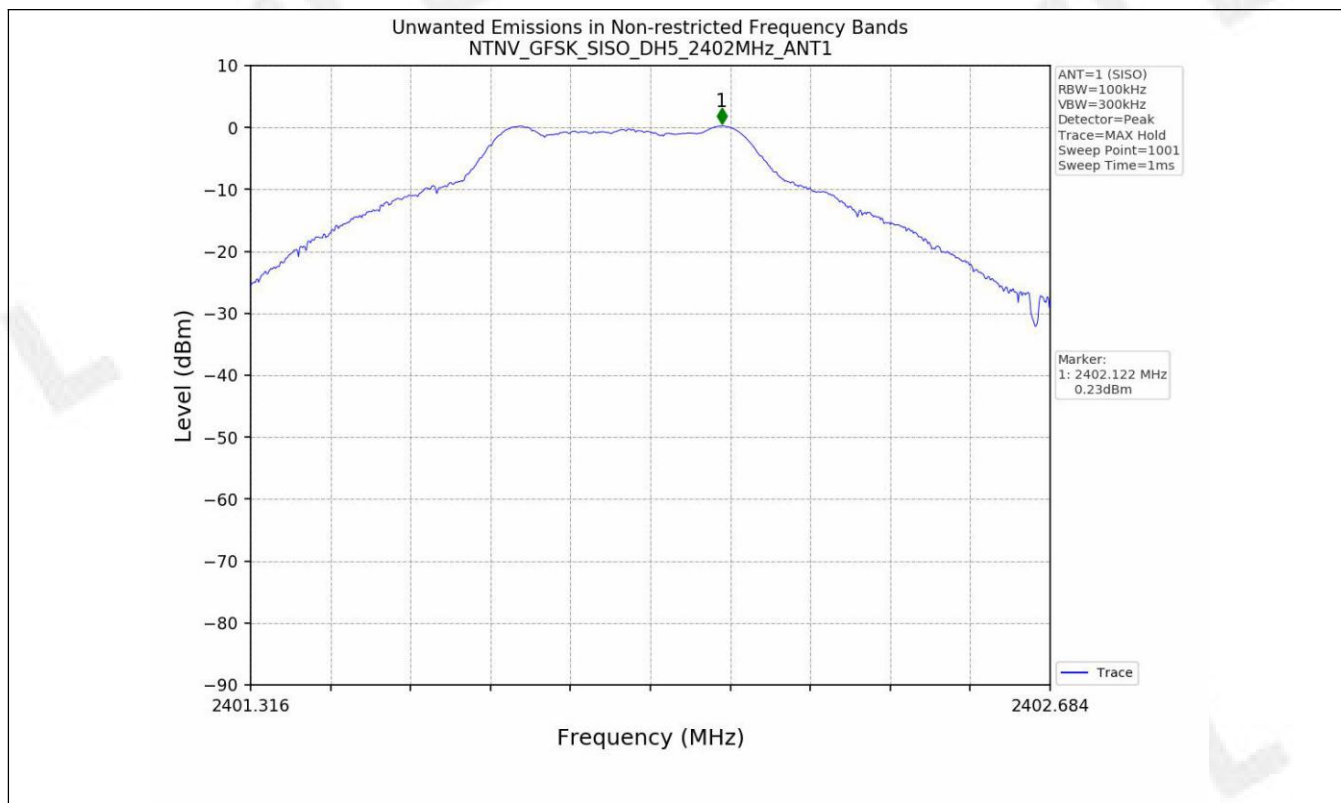


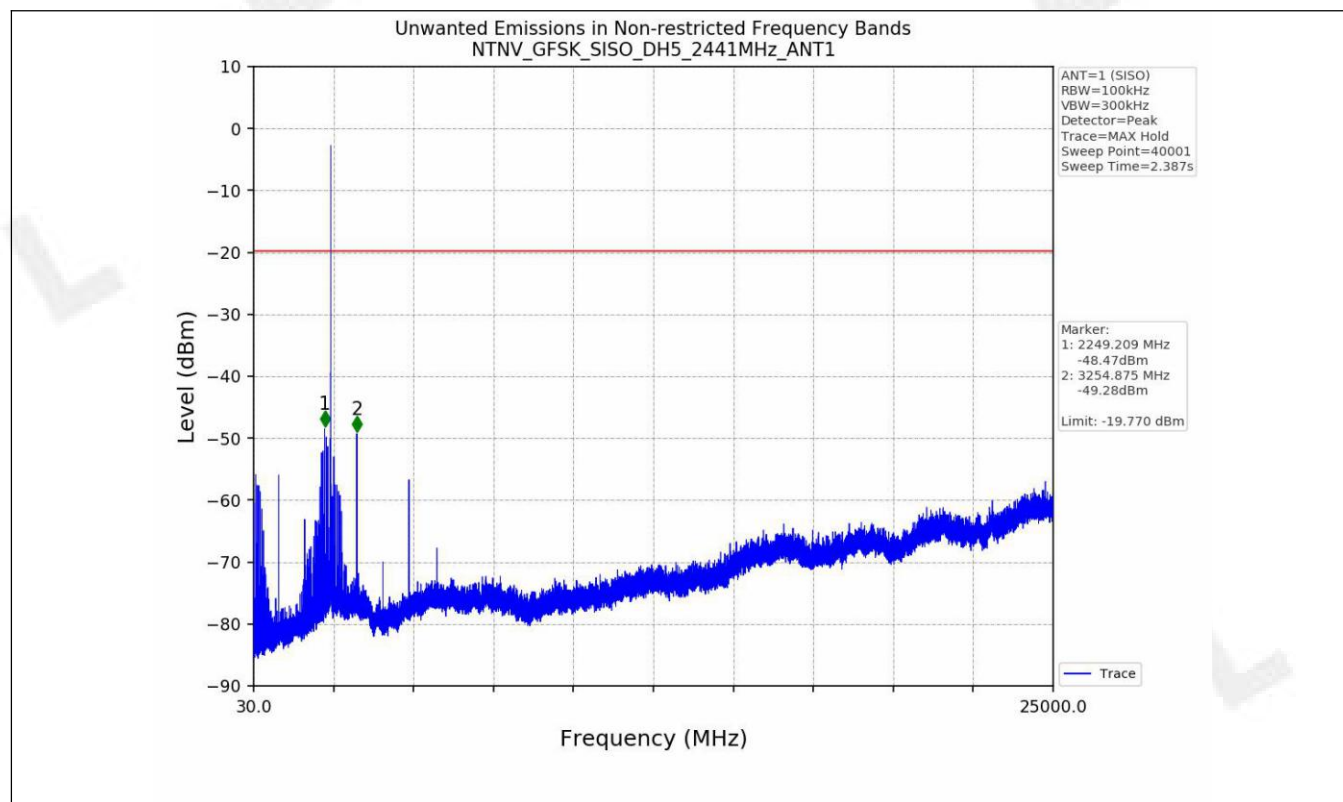
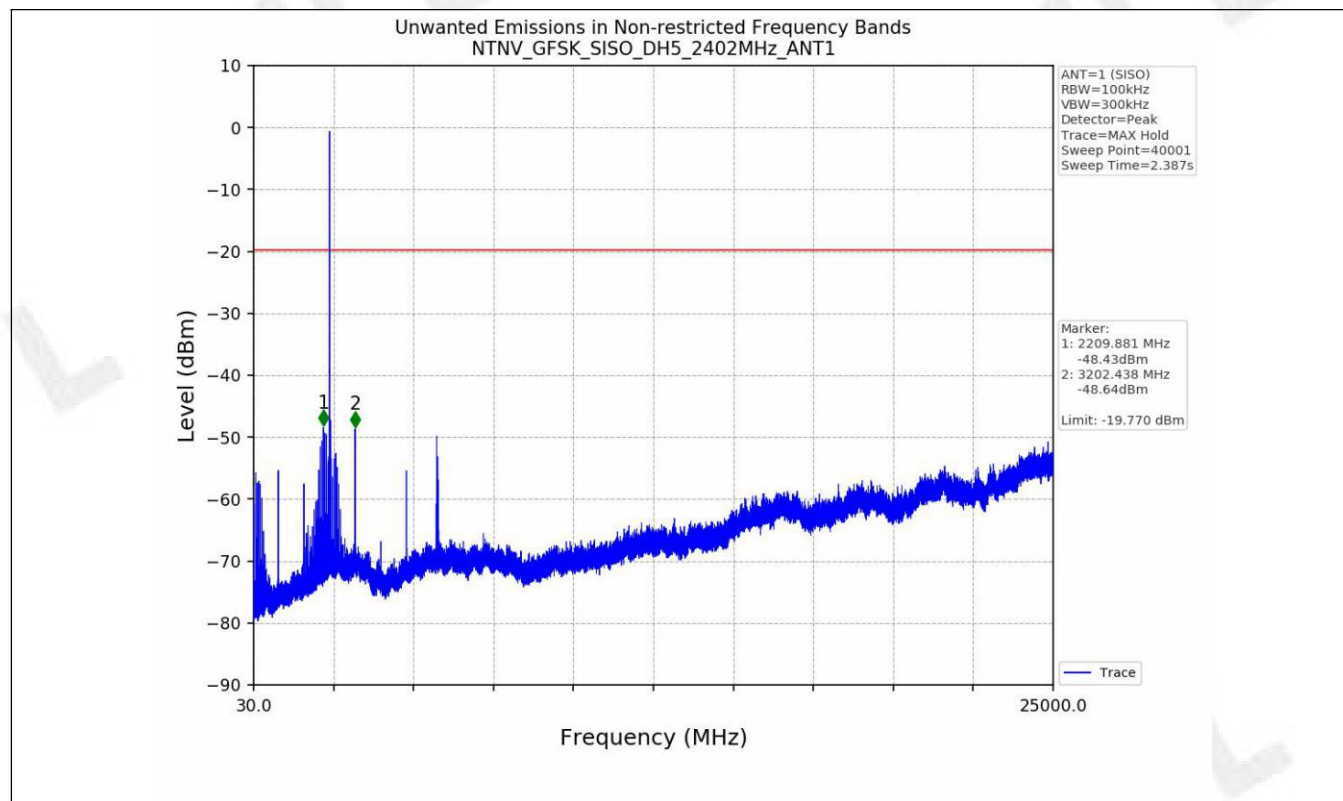
6. Unwanted Emissions in Non-restricted Frequency Bands

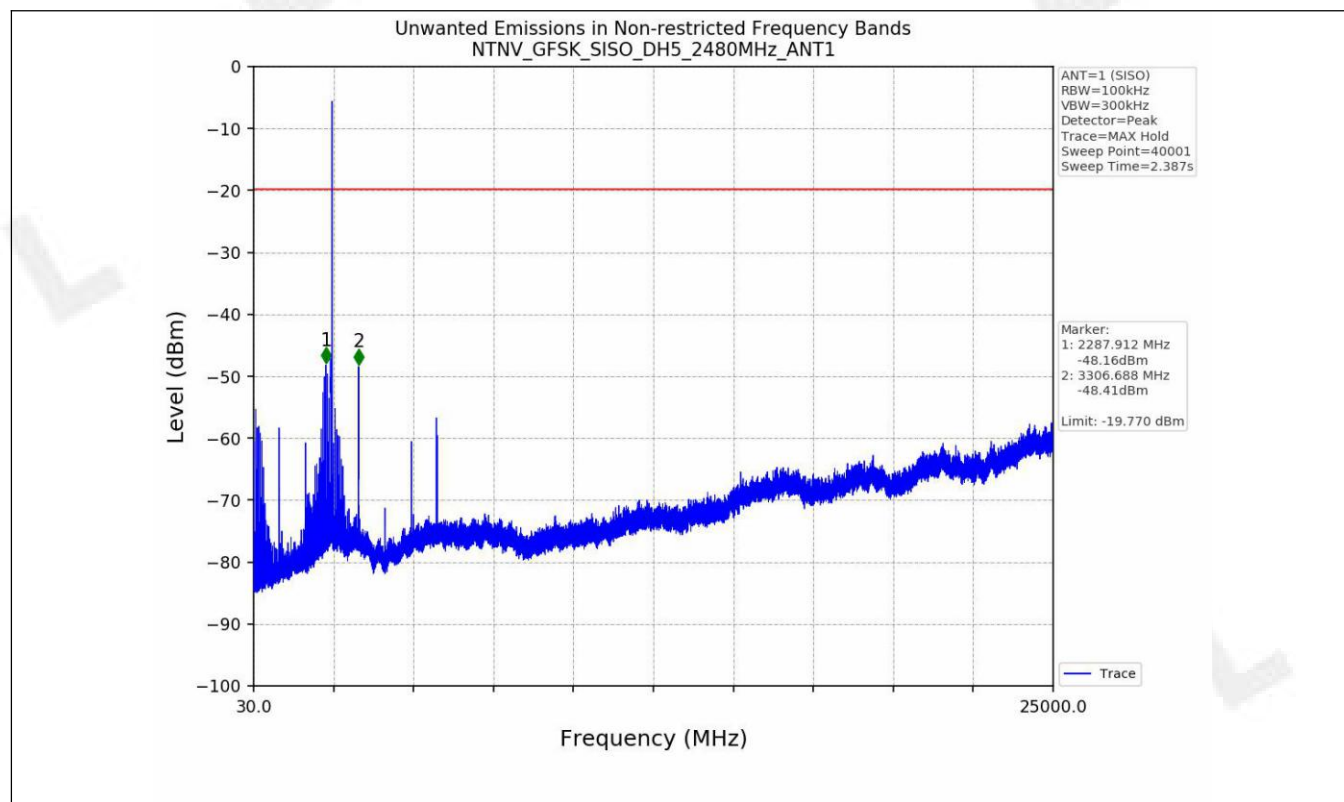
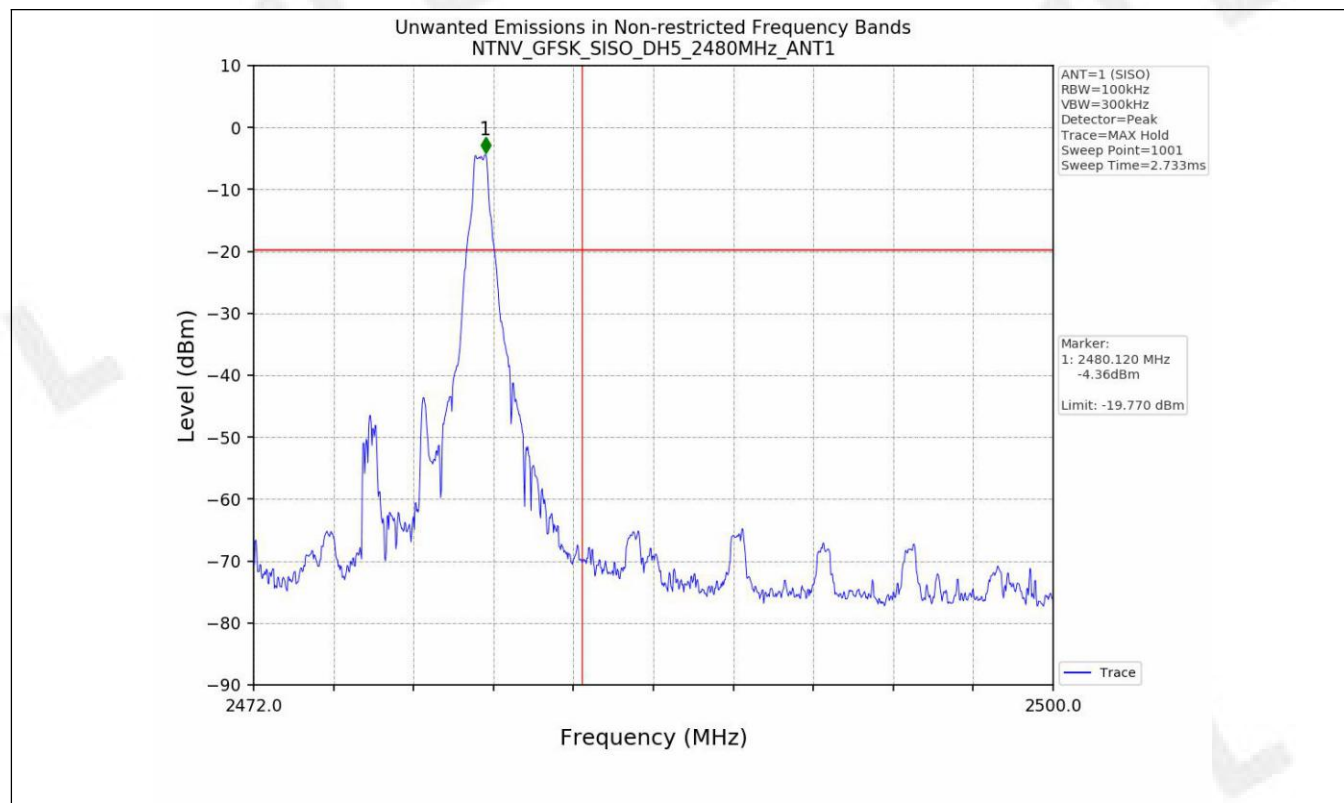
6.1 Test Result

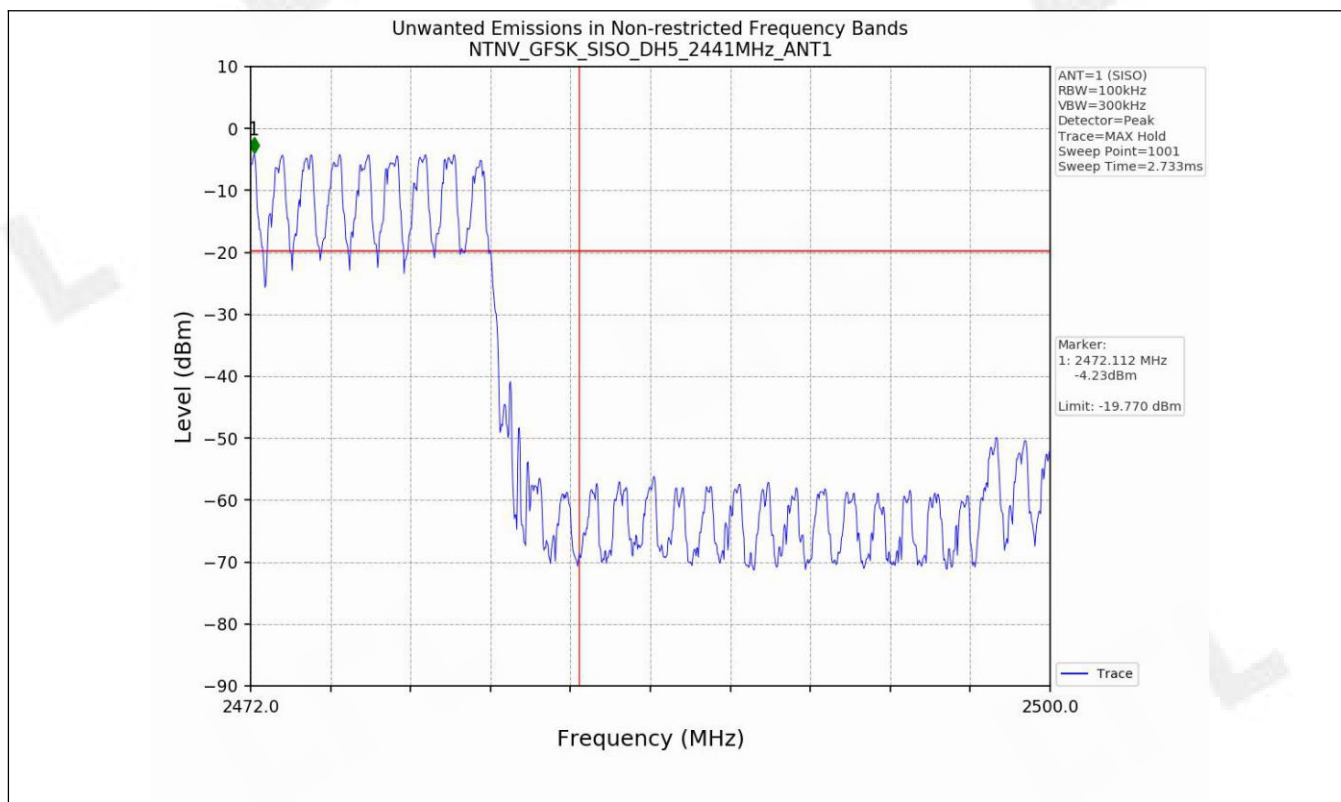
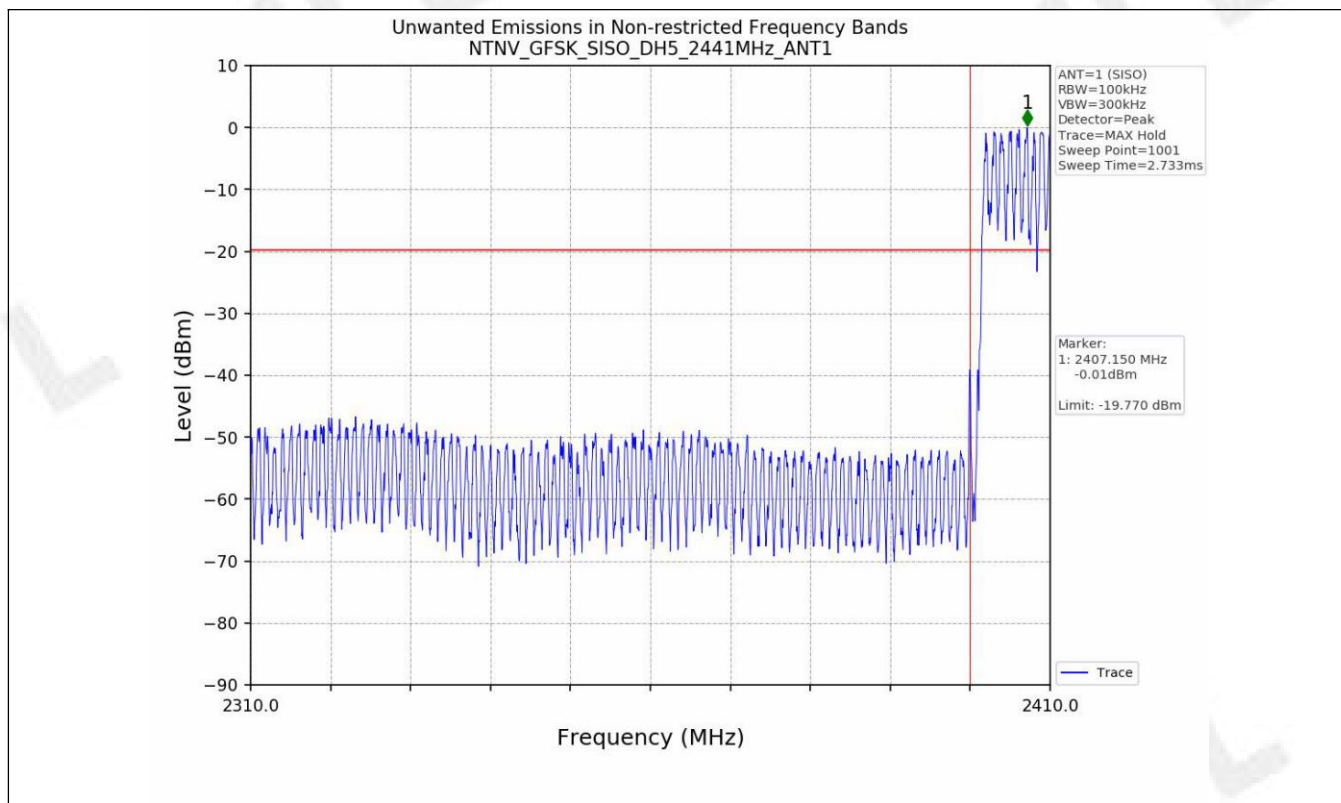
Test Mode	Frequency (MHz)	TX Type	ANT No.	Spurious Conducted Emission (dBm)	Limits (dBm)	Verdict
GFSK	2402	SISO	1	Refer to test graph	-19.77	PASS
	2441	SISO	1	Refer to test graph	-19.77	PASS
	2480	SISO	1	Refer to test graph	-19.77	PASS
	Hopping	SISO	1	Refer to test graph	-19.77	PASS
Pi/4DQPSK	2402	SISO	1	Refer to test graph	-19.65	PASS
	2441	SISO	1	Refer to test graph	-19.65	PASS
	2480	SISO	1	Refer to test graph	-19.65	PASS
	Hopping	SISO	1	Refer to test graph	-19.65	PASS
8DPSK	2402	SISO	1	Refer to test graph	-19.81	PASS
	2441	SISO	1	Refer to test graph	-19.81	PASS
	2480	SISO	1	Refer to test graph	-19.81	PASS
	Hopping	SISO	1	Refer to test graph	-19.81	PASS

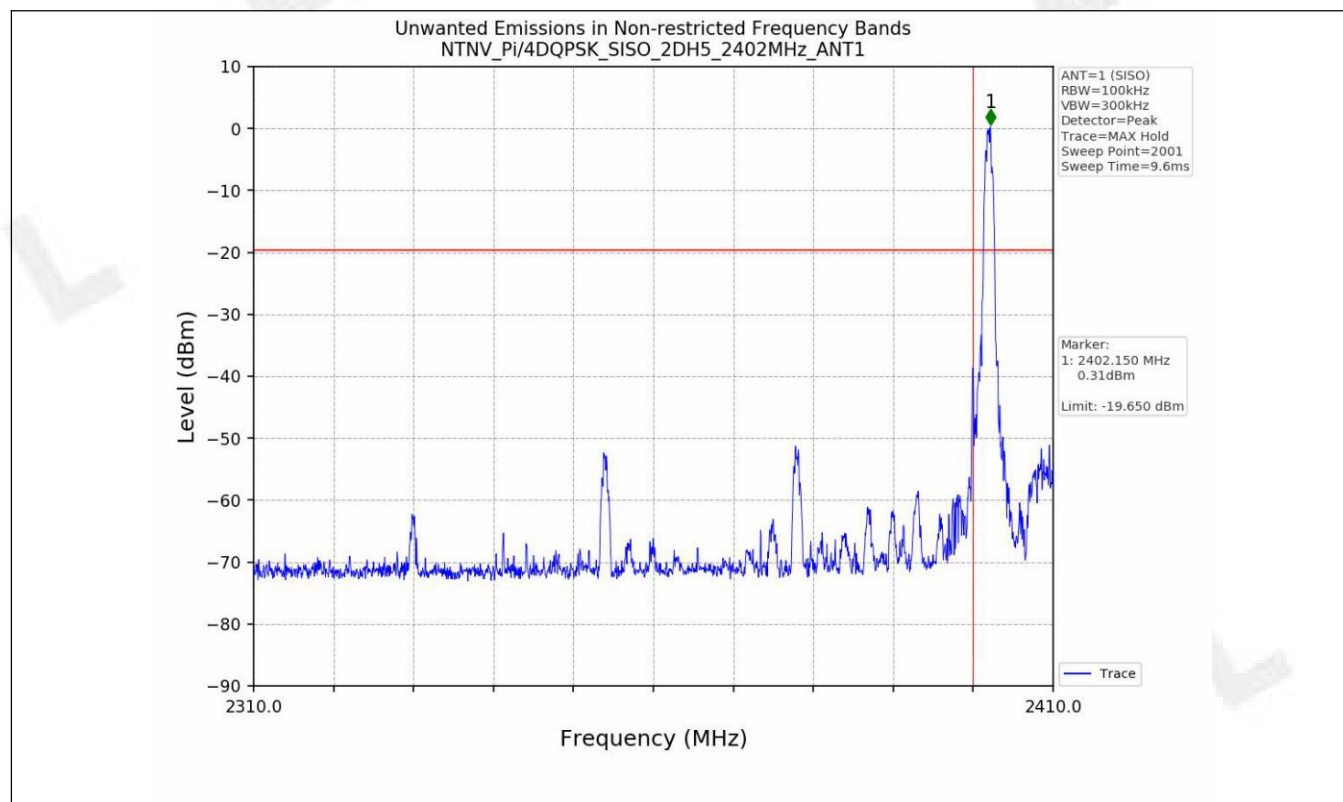
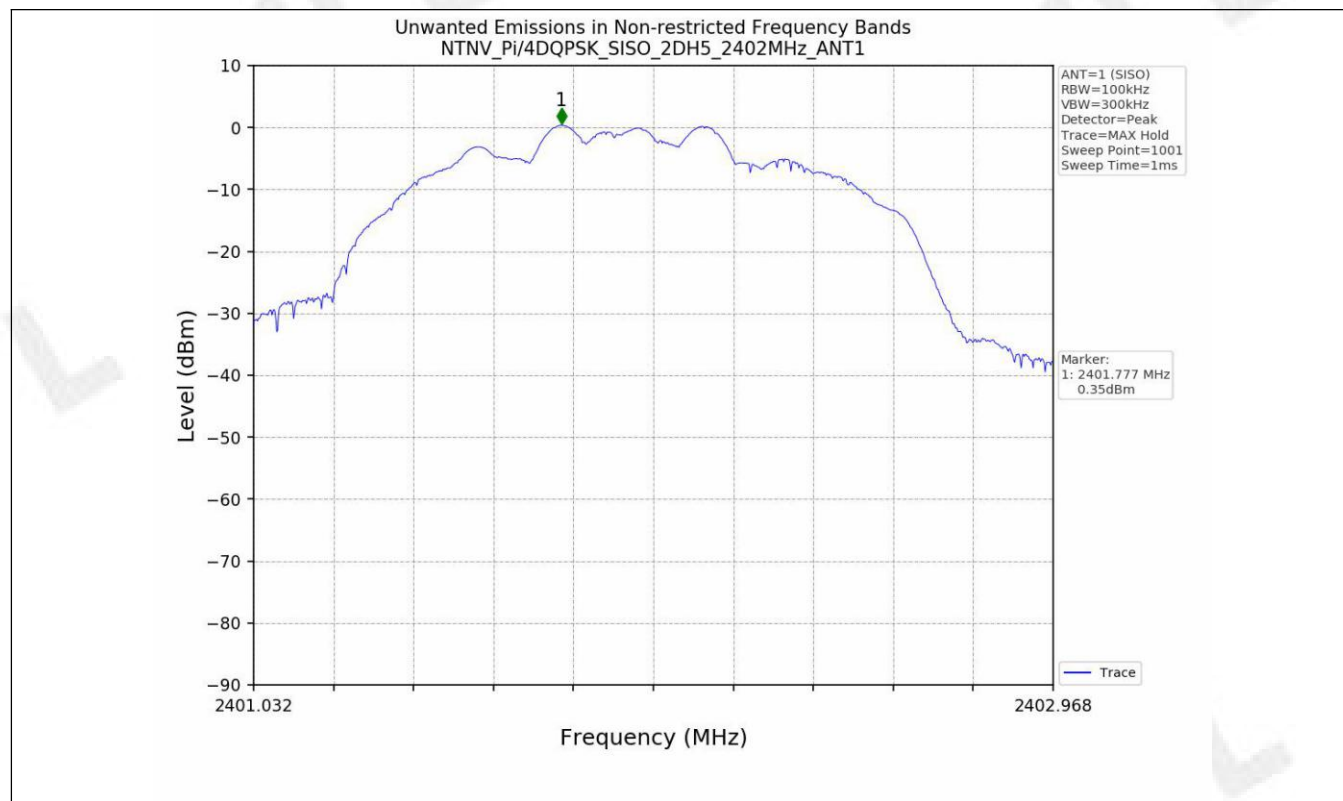
6.2 Test Graph

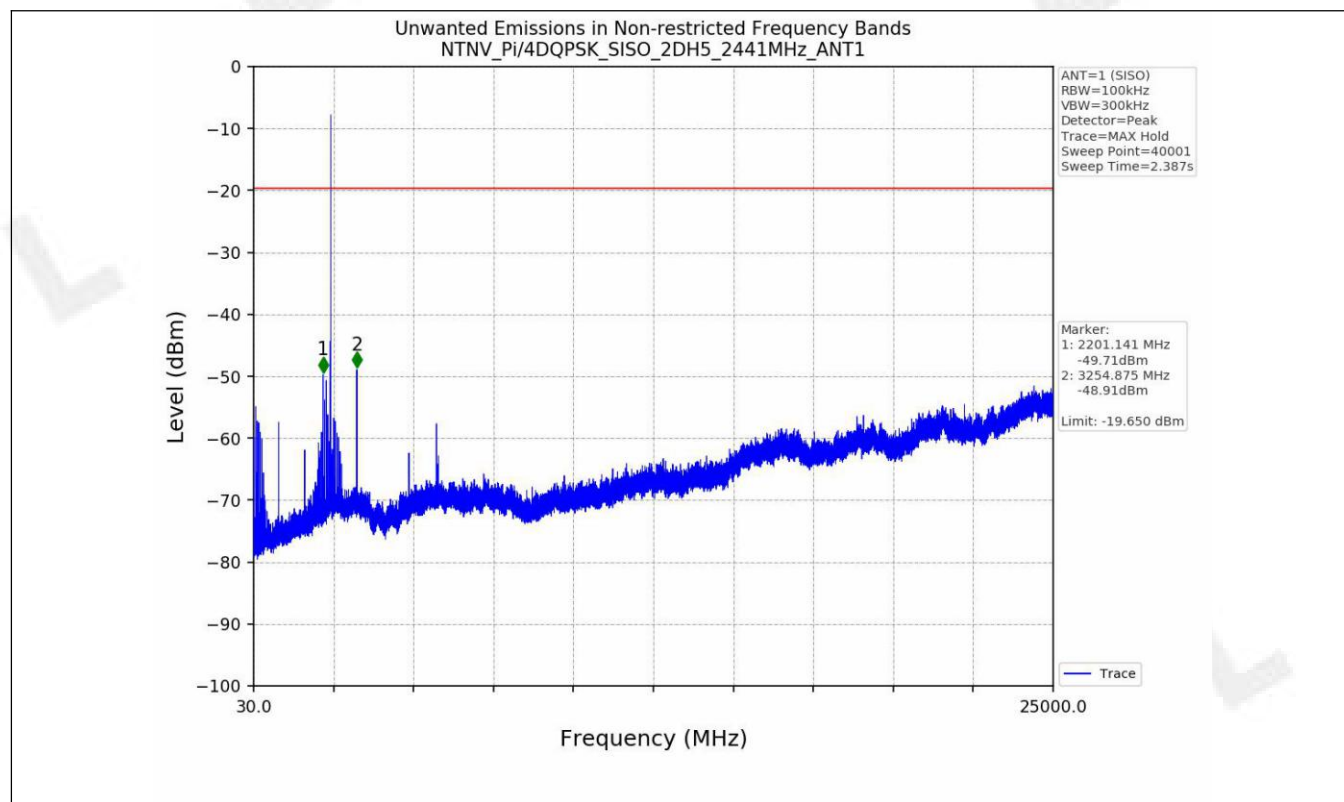
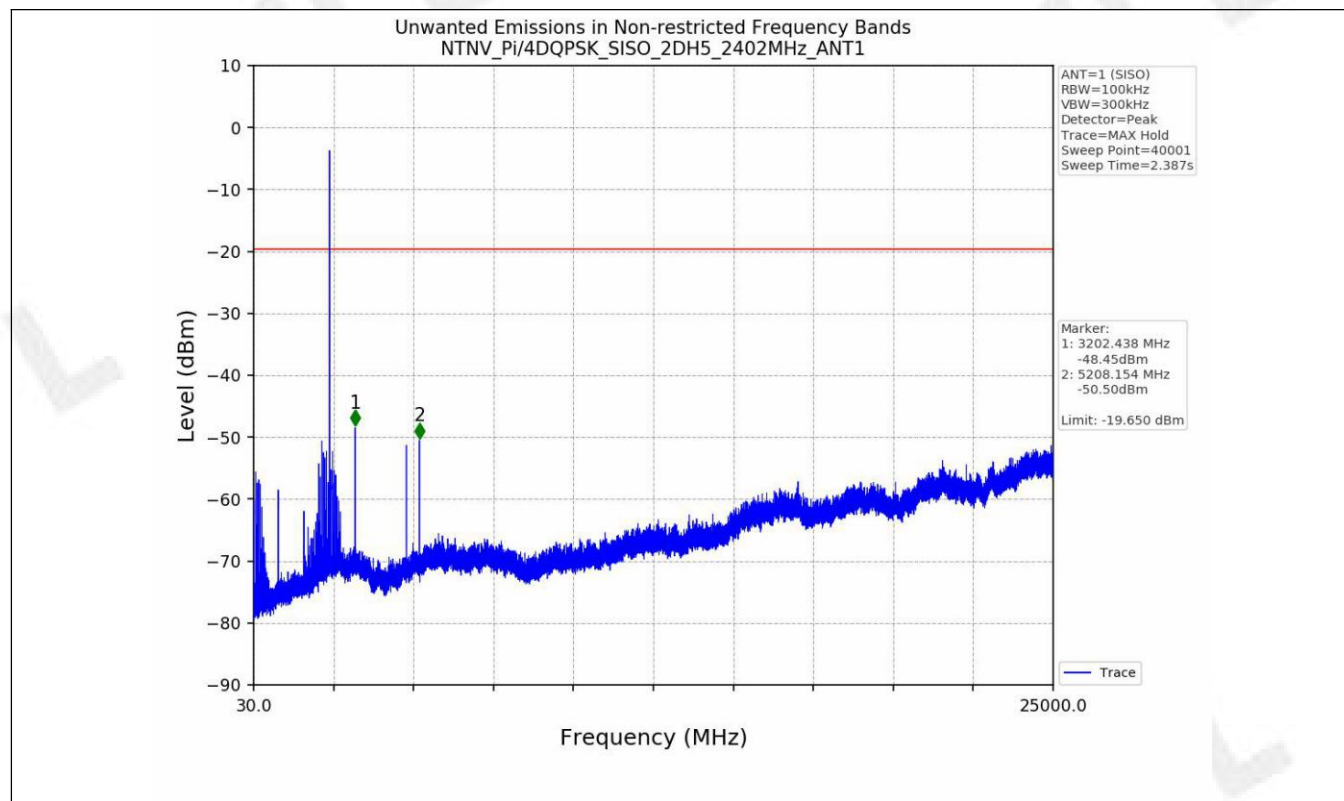


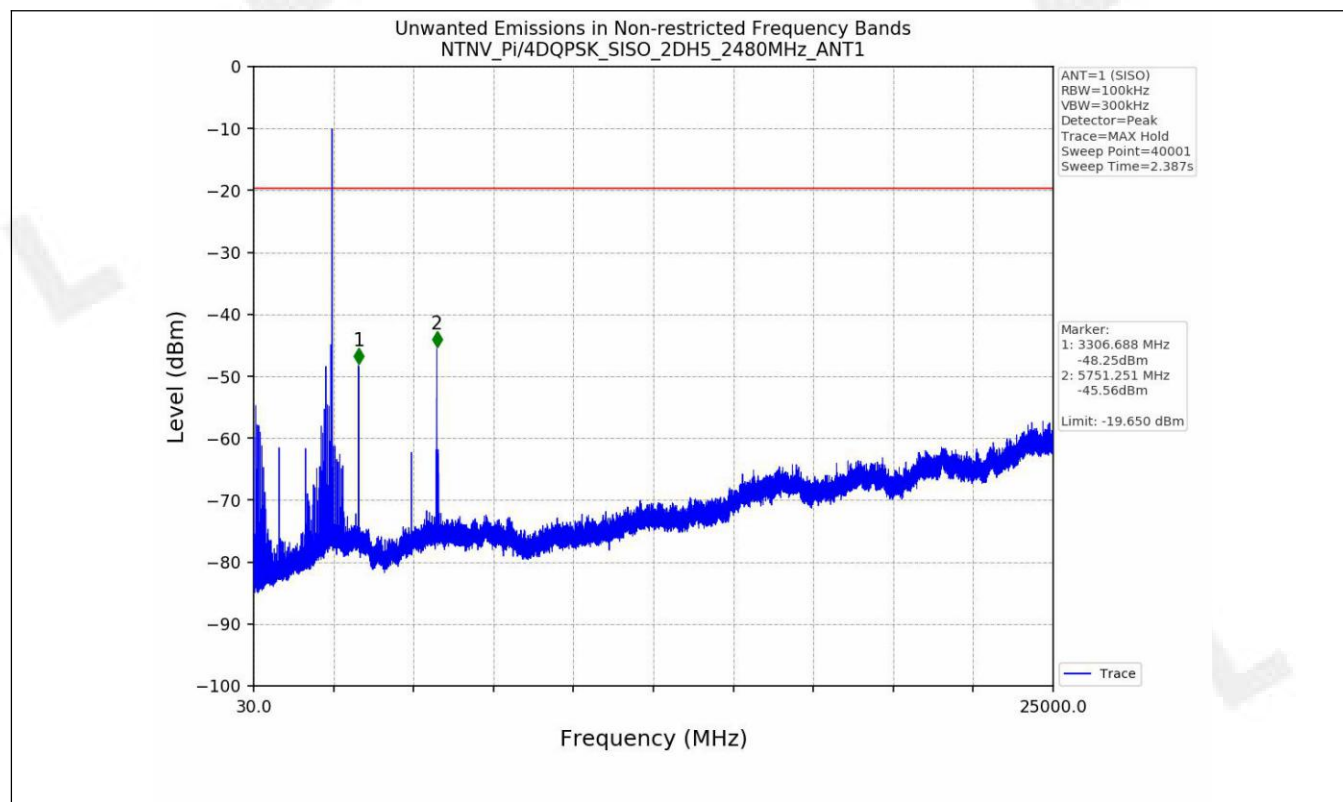
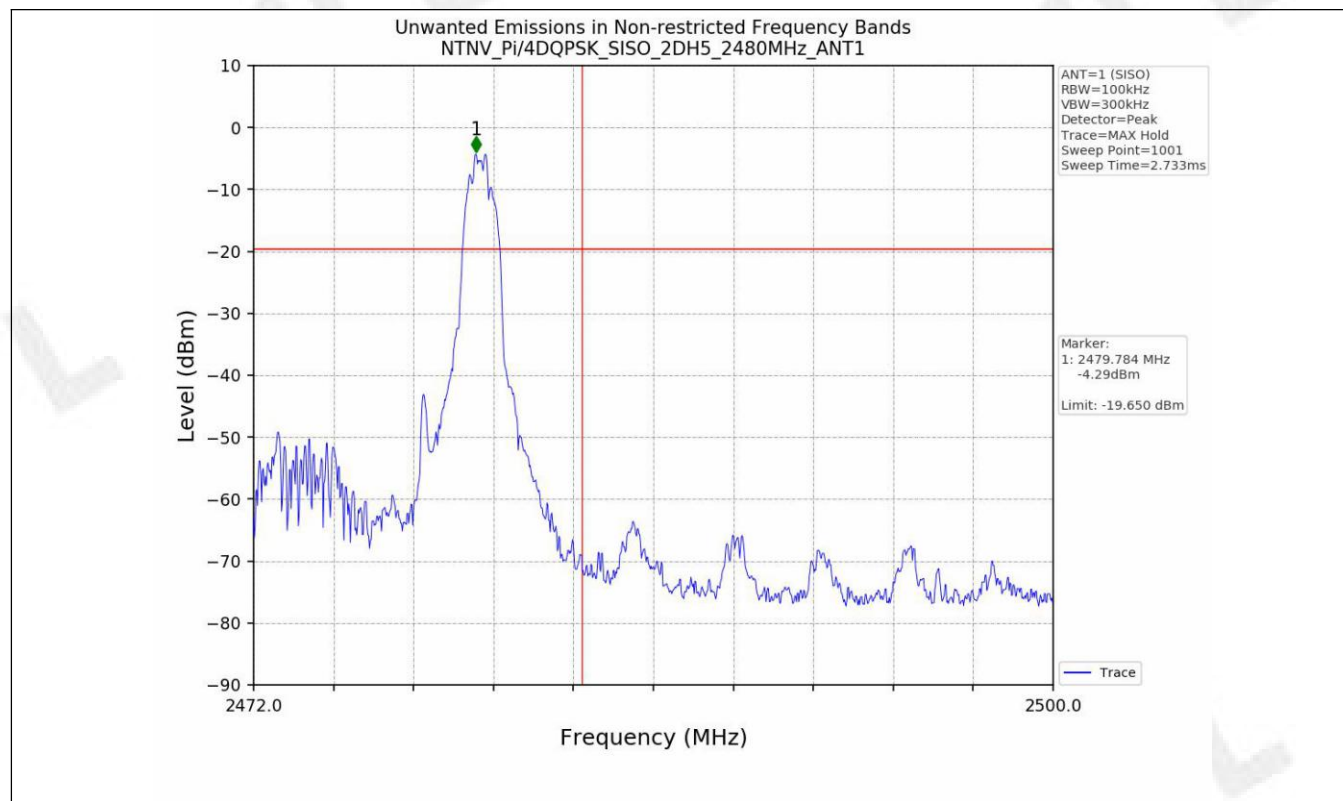


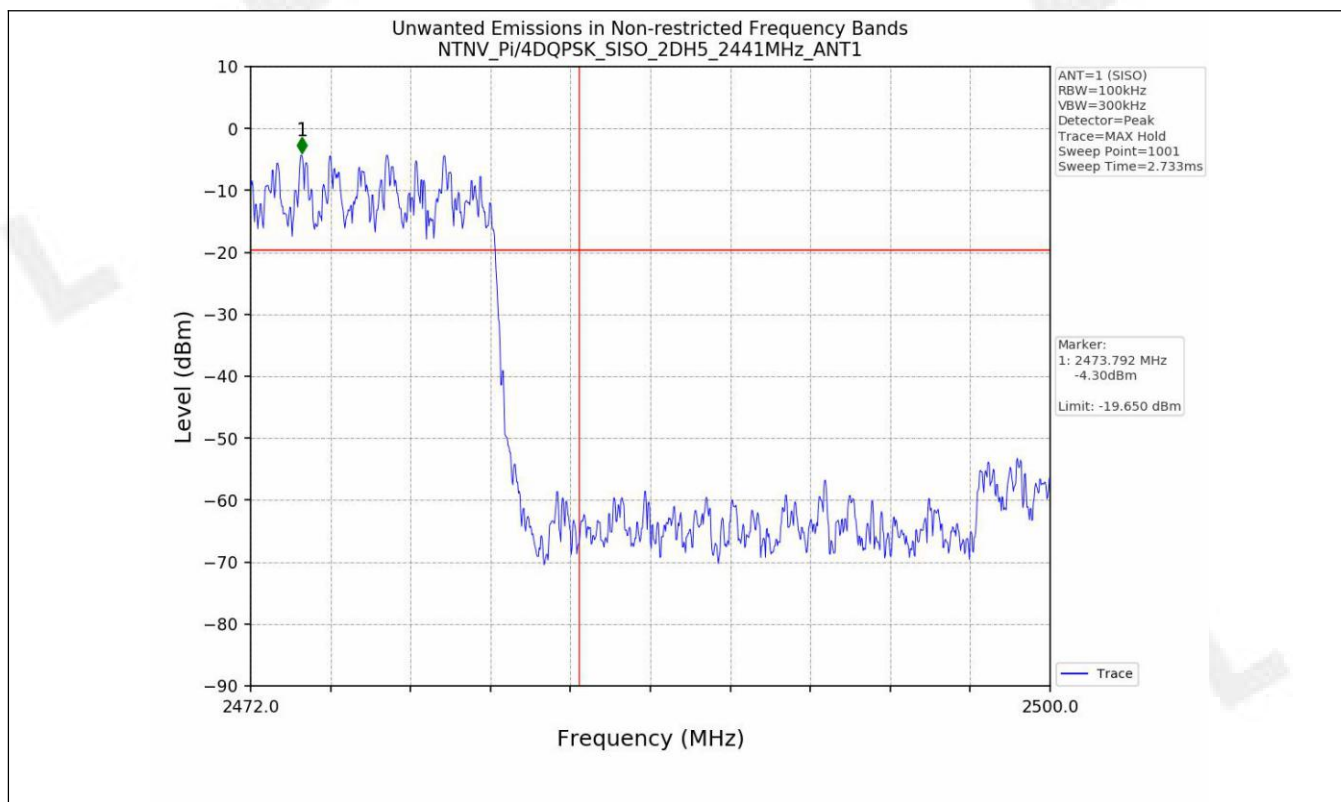
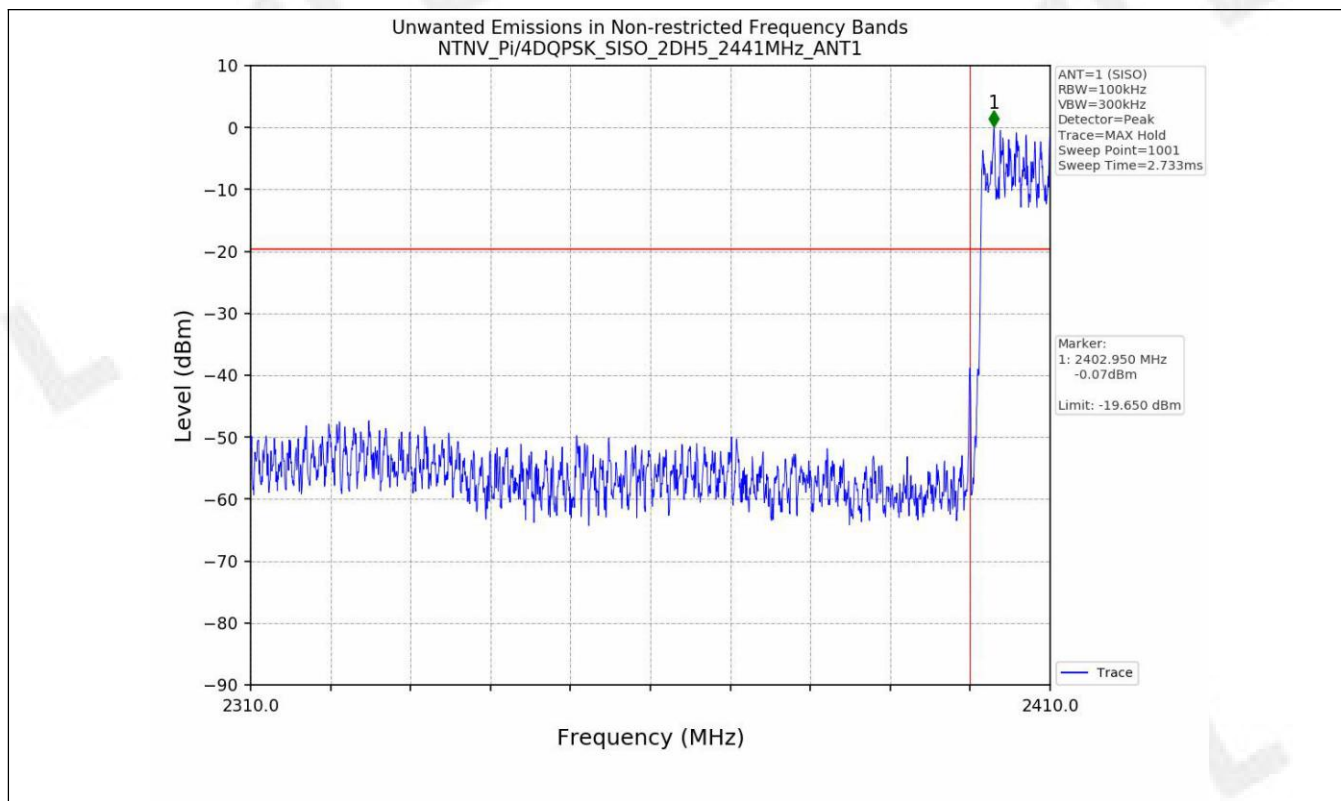


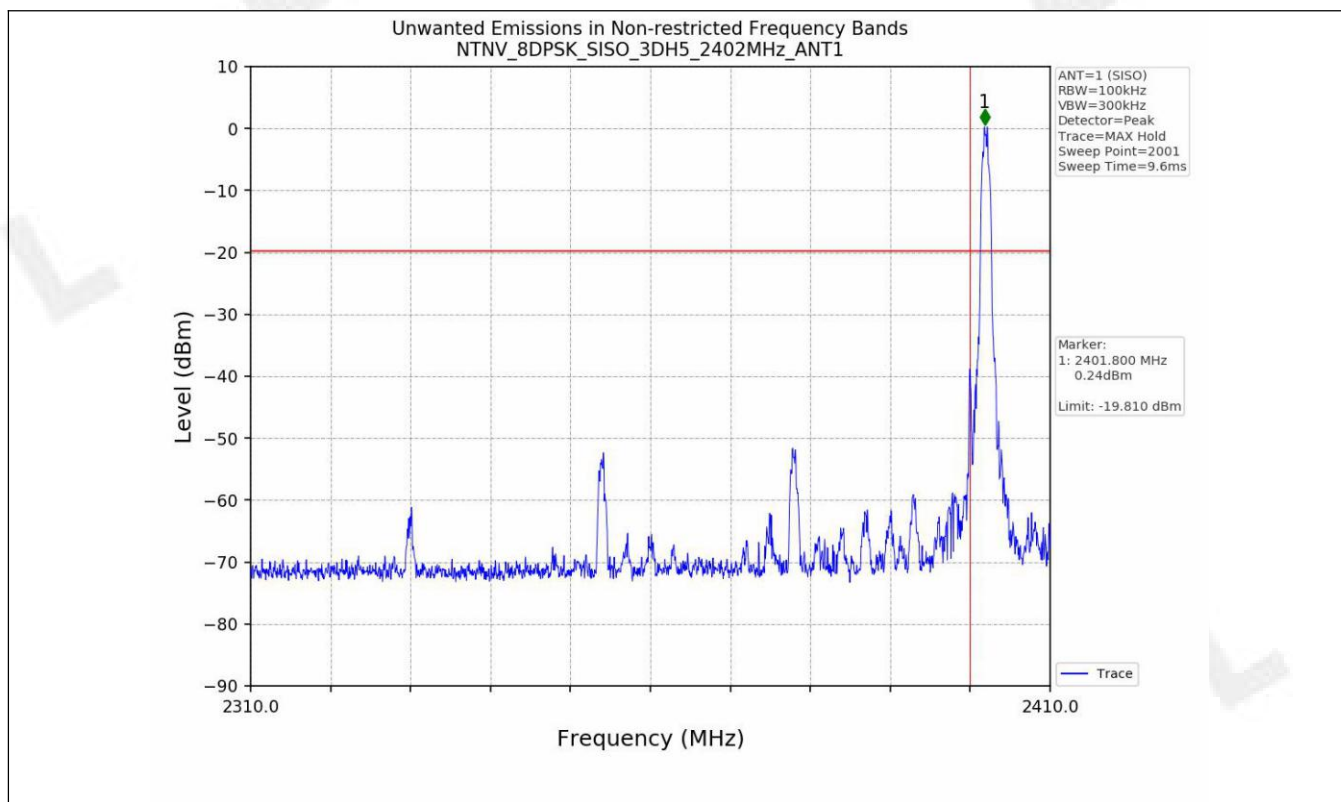
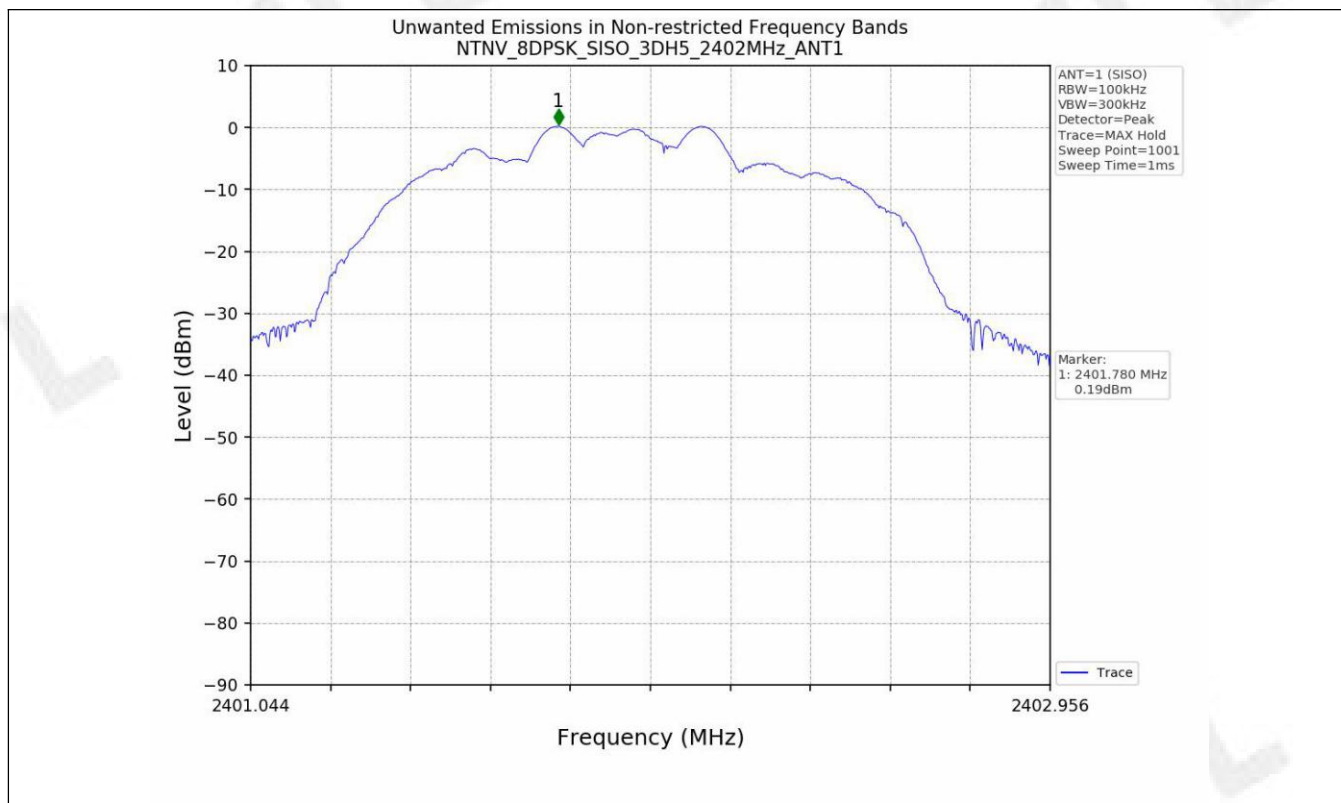


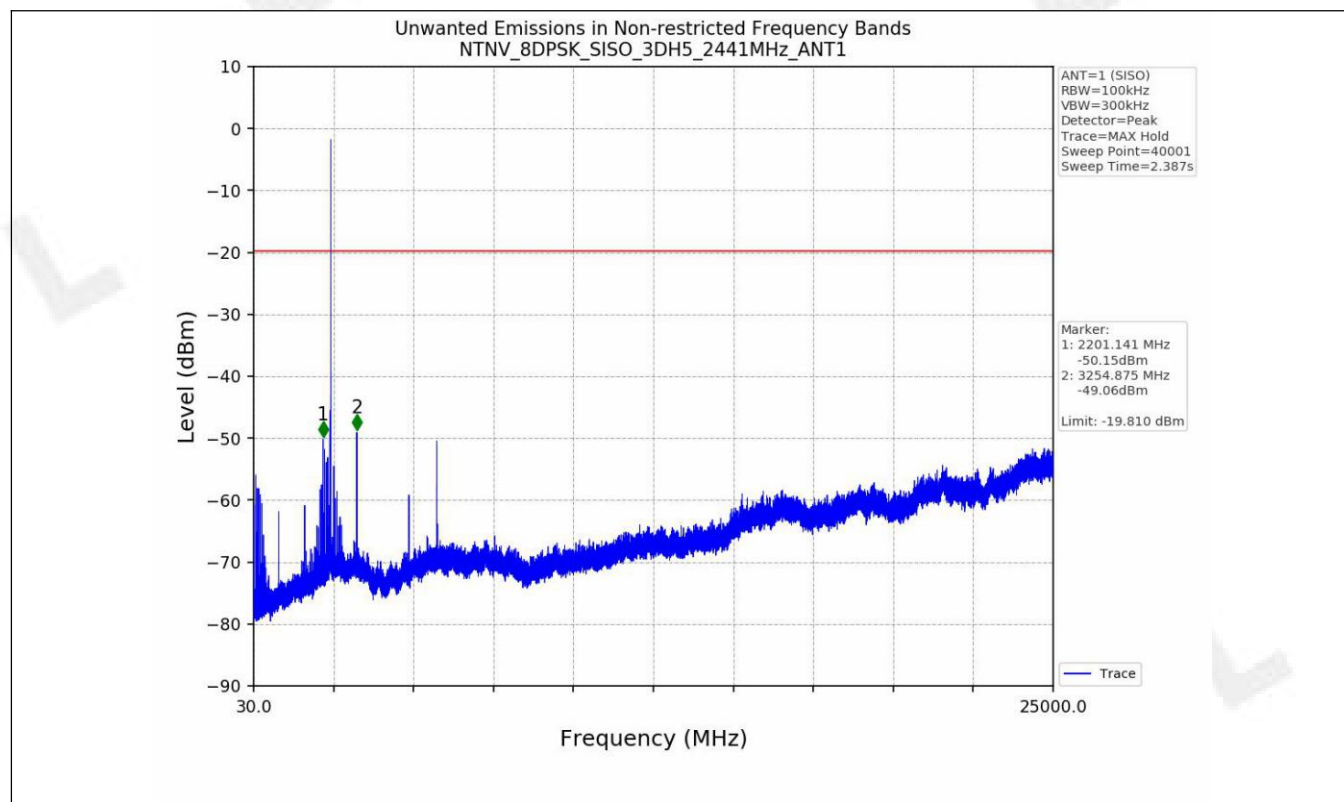
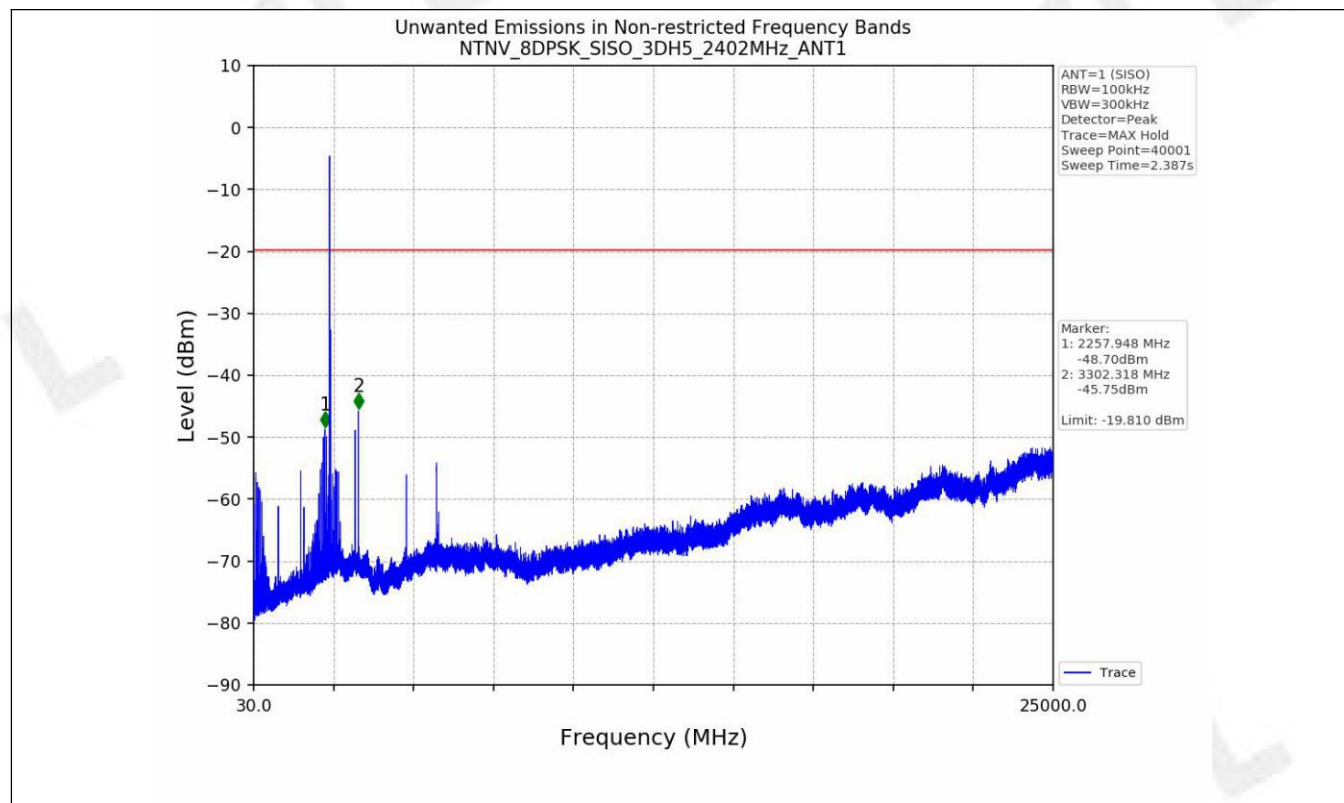


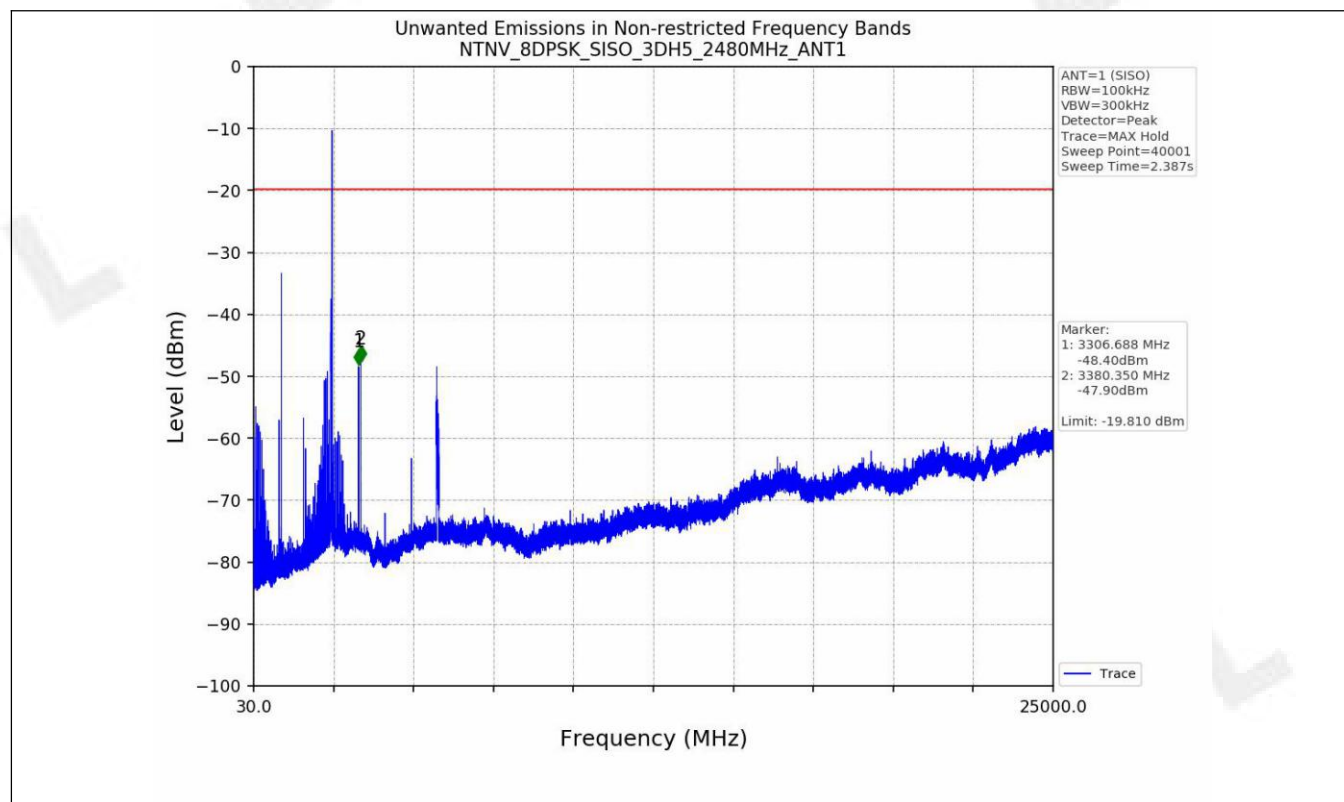
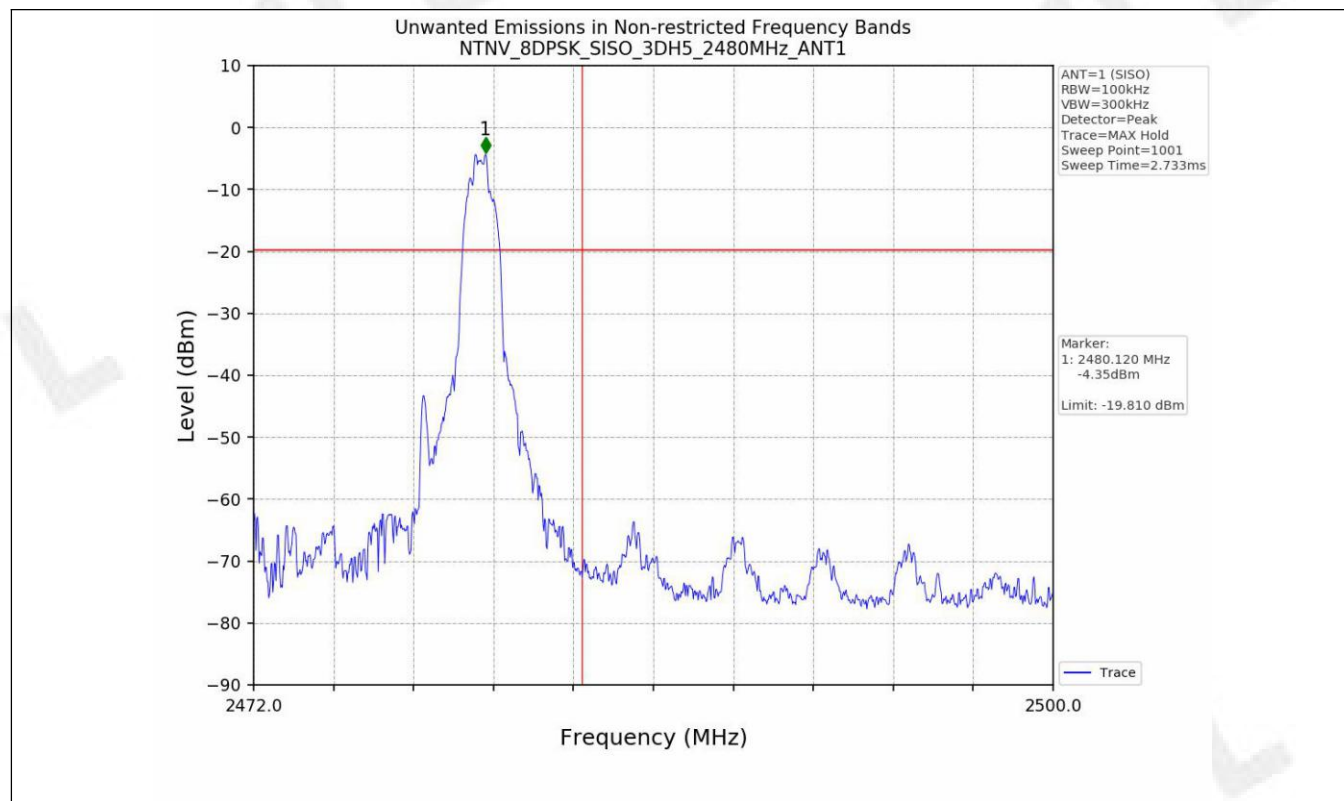


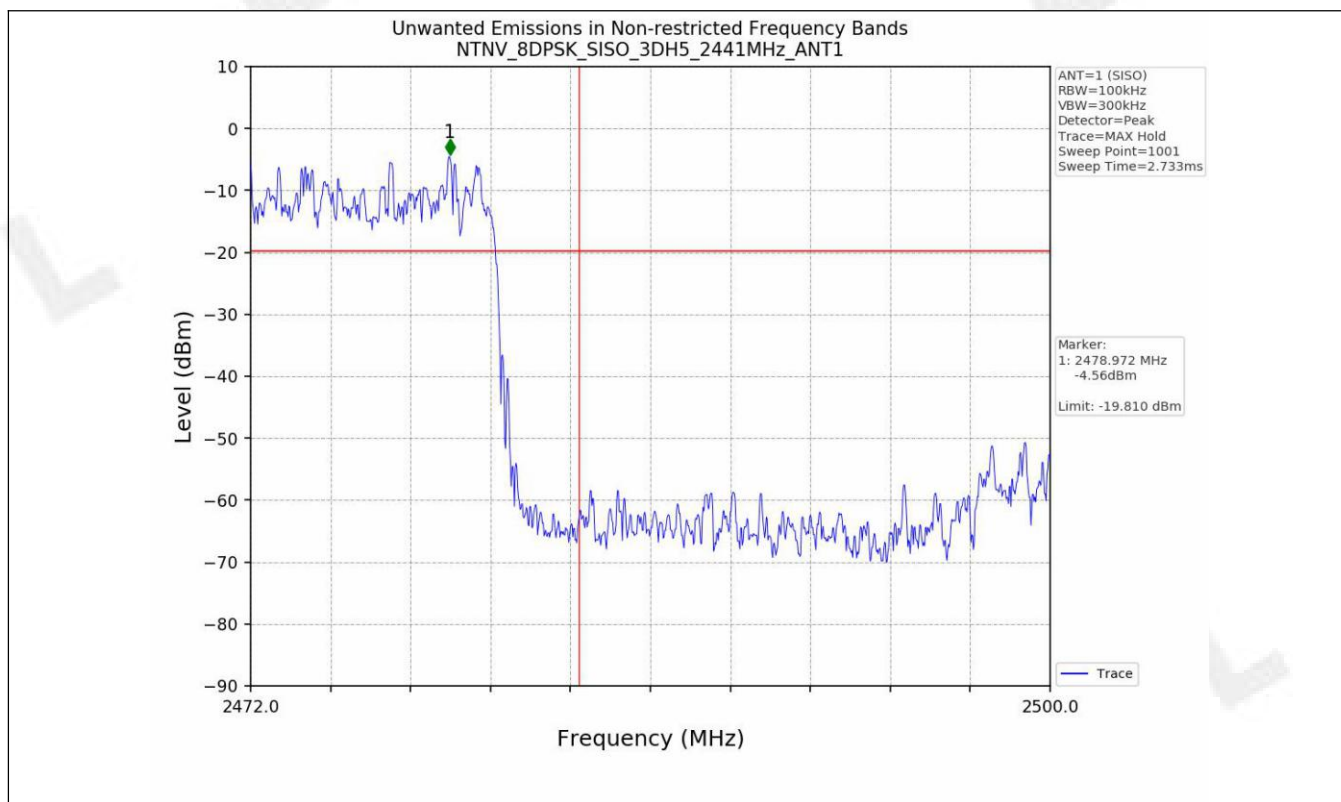
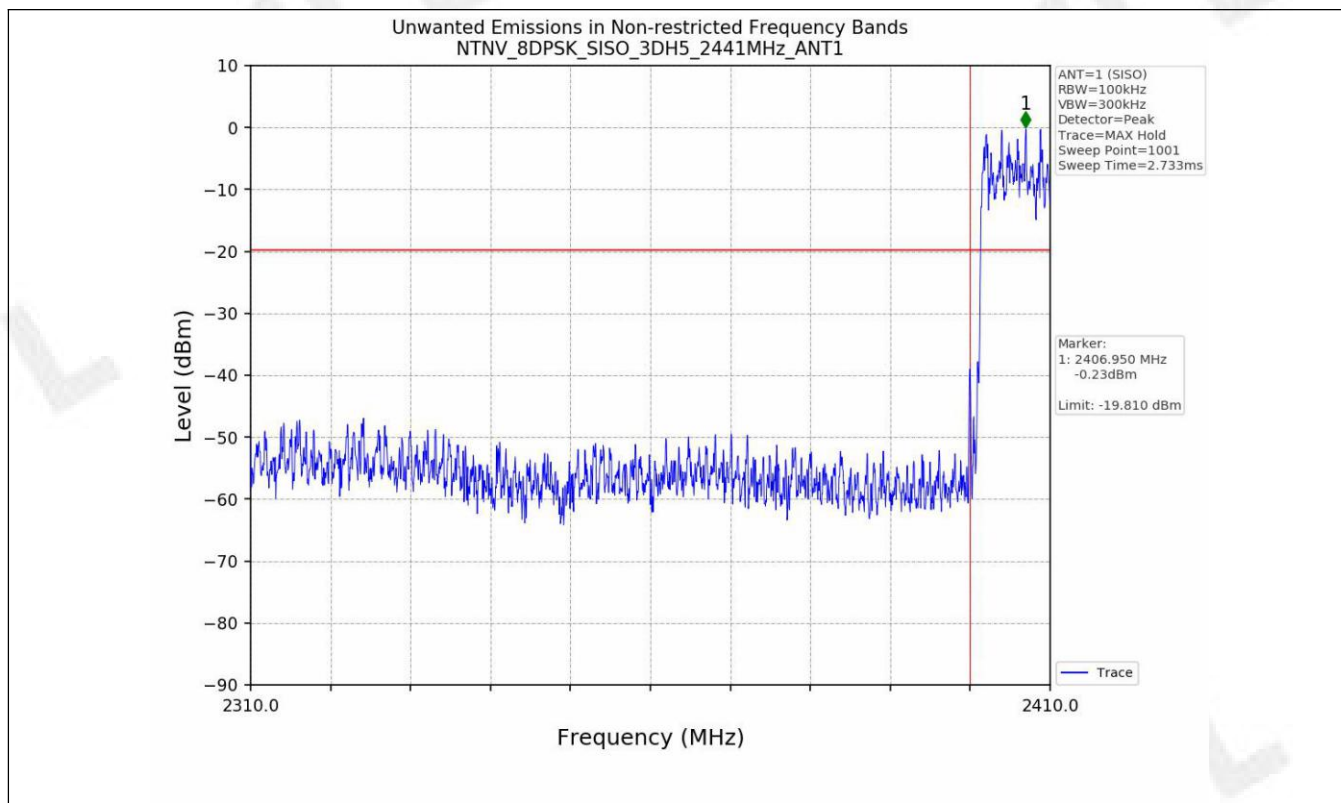












7. Frequency Error

7.1 Test Result

Test Mode	Frequency (MHz)	TX Type	ANT	Measured Frequency (MHz)		Verdict
				Test Result	Limit	
Carrier	2402	SISO	1	2401.97	2400-2483.5	PASS
	2441	SISO	1	2440.96	2400-2483.5	PASS
	2480	SISO	1	2479.96	2400-2483.5	PASS

7.2 Test Graph

