

Appendix for 15.247

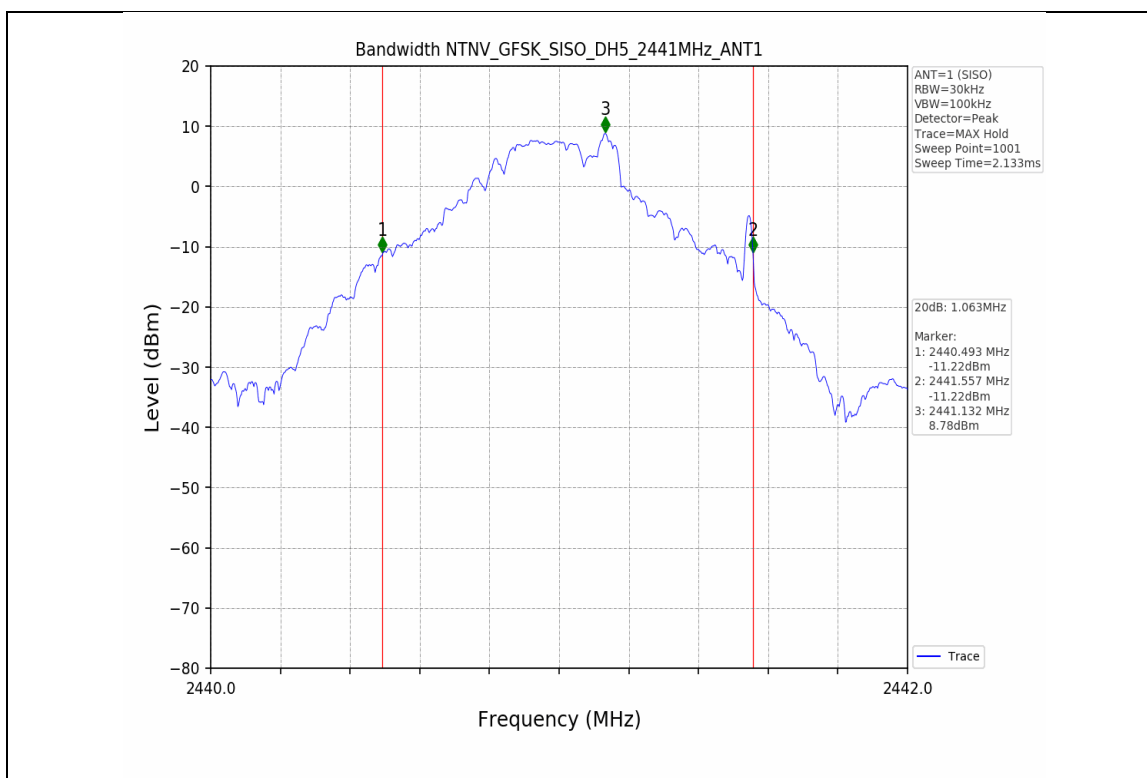
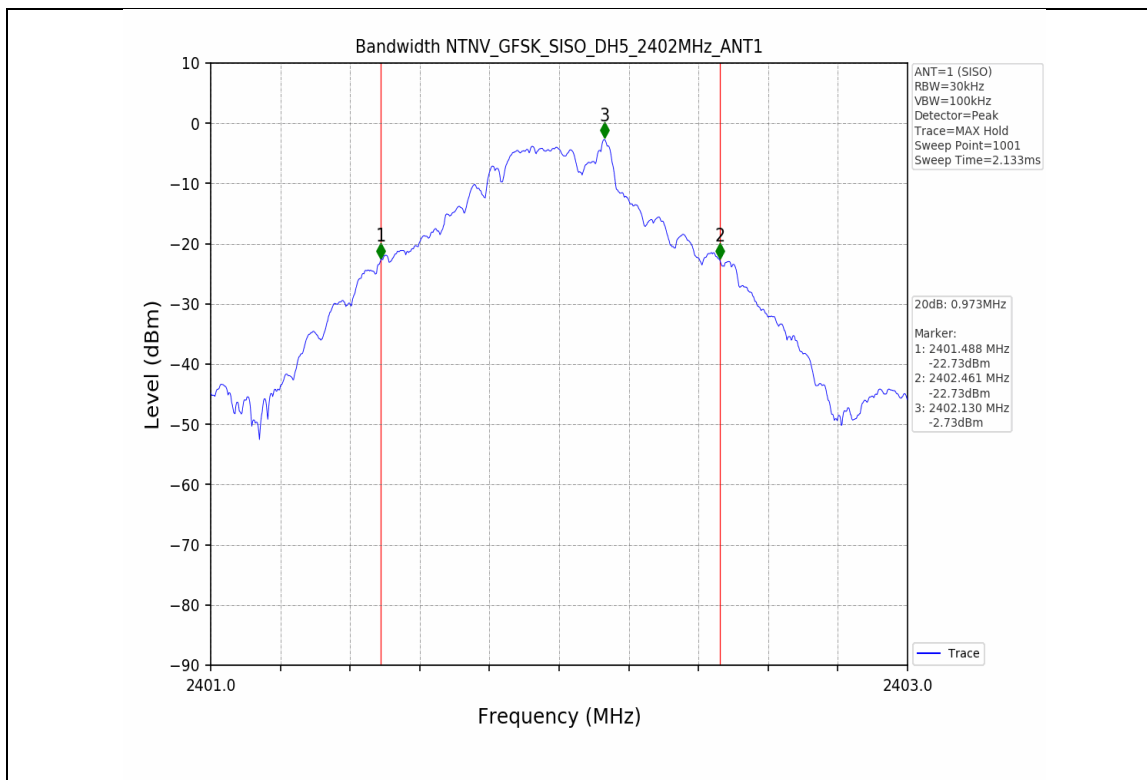
1. Bandwidth

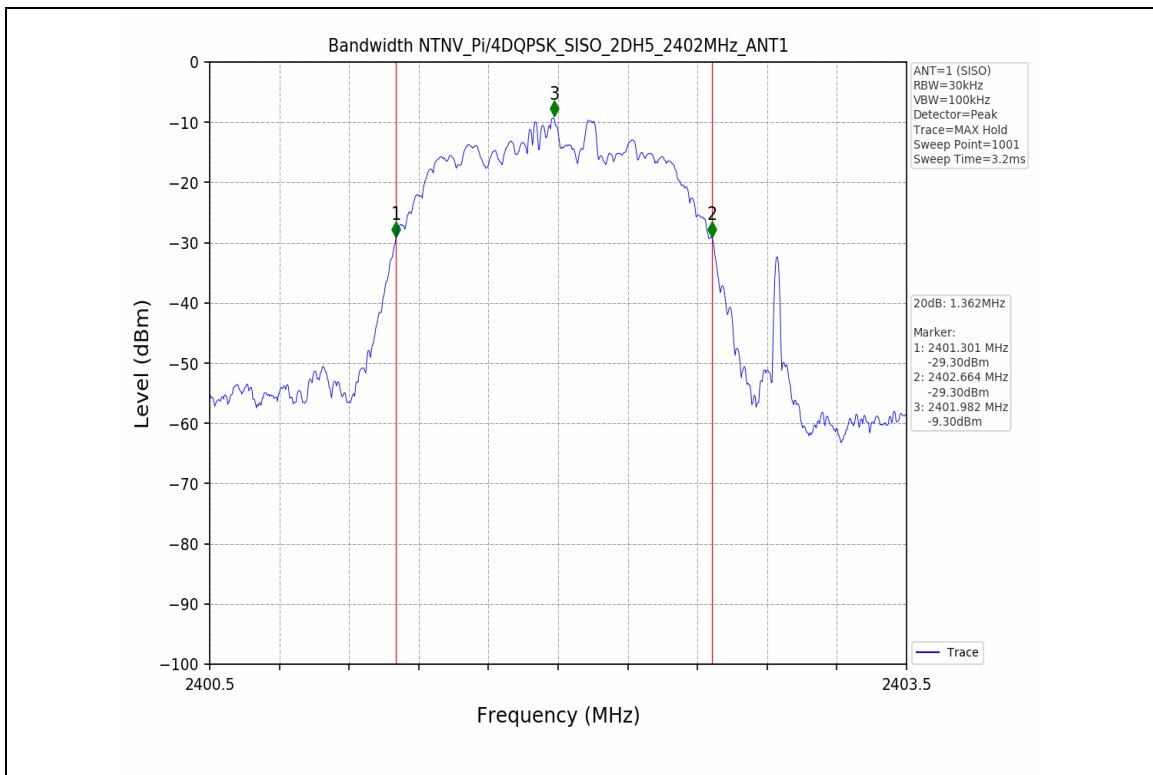
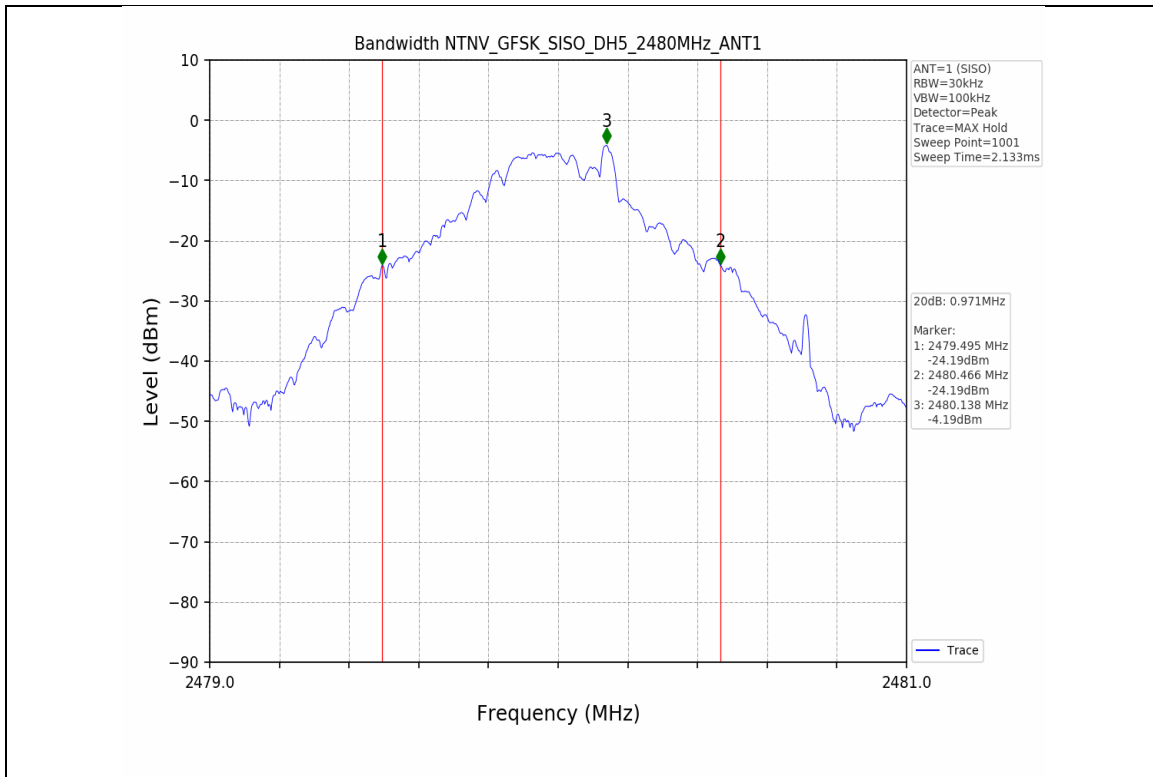
1.1 Test Result

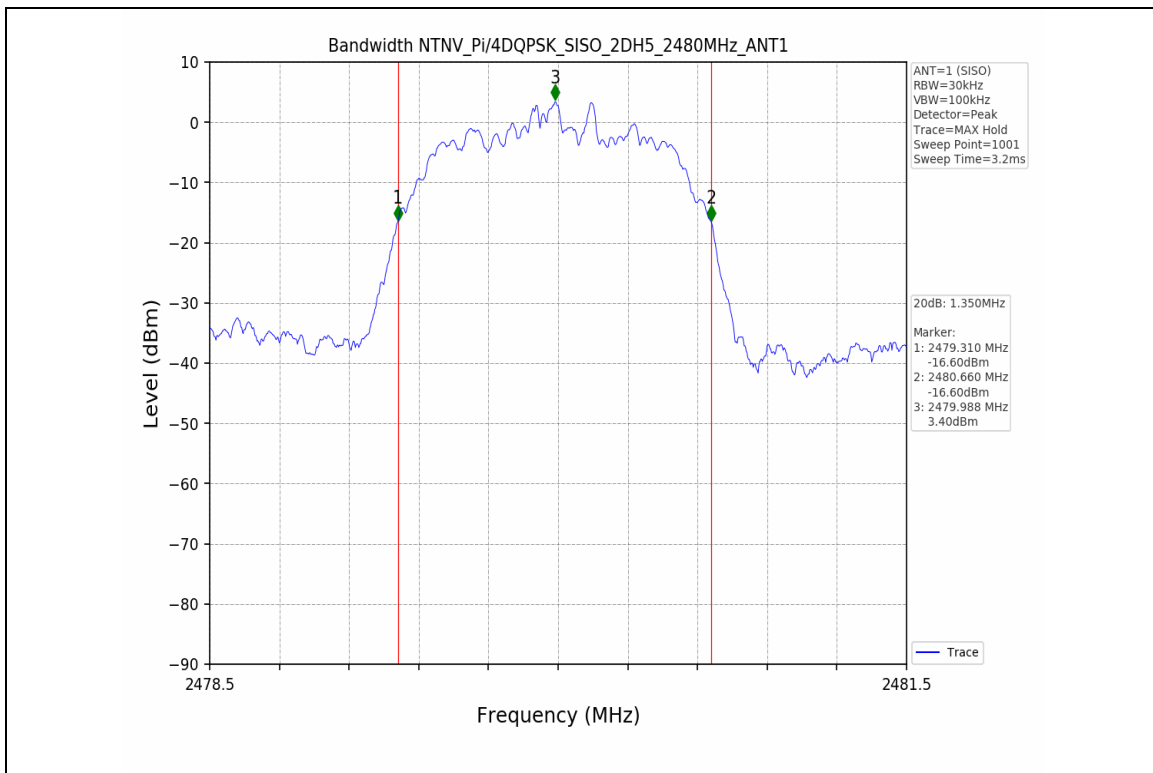
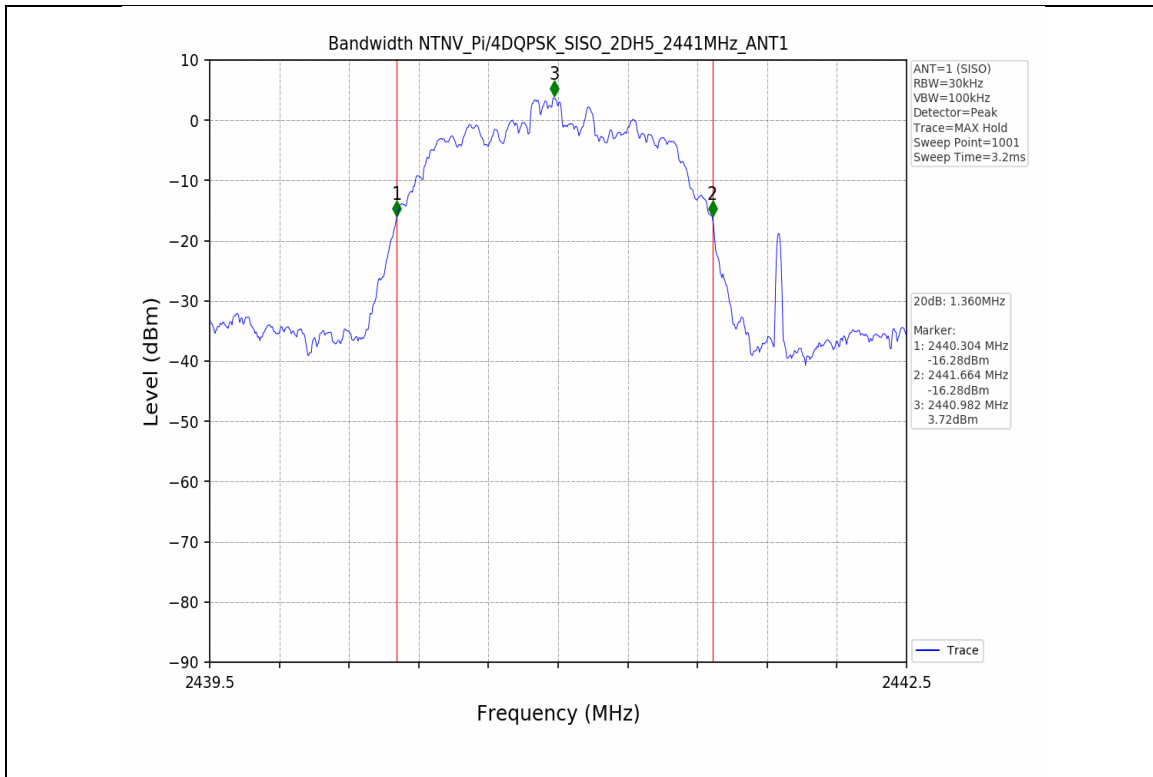
Test Mode	Frequency (MHz)	TX Type	ANT No.	20dB Bandwidth	Verdict
				Test Result (MHz)	
GFSK	2402	SISO	1	0.973	PASS
	2441	SISO	1	1.063	PASS
	2480	SISO	1	0.971	PASS
$\pi/4$ -DQPSK	2402	SISO	1	1.362	PASS
	2441	SISO	1	1.360	PASS
	2480	SISO	1	1.350	PASS
8-DPSK	2402	SISO	1	1.315	PASS
	2441	SISO	1	1.420	PASS
	2480	SISO	1	1.317	PASS

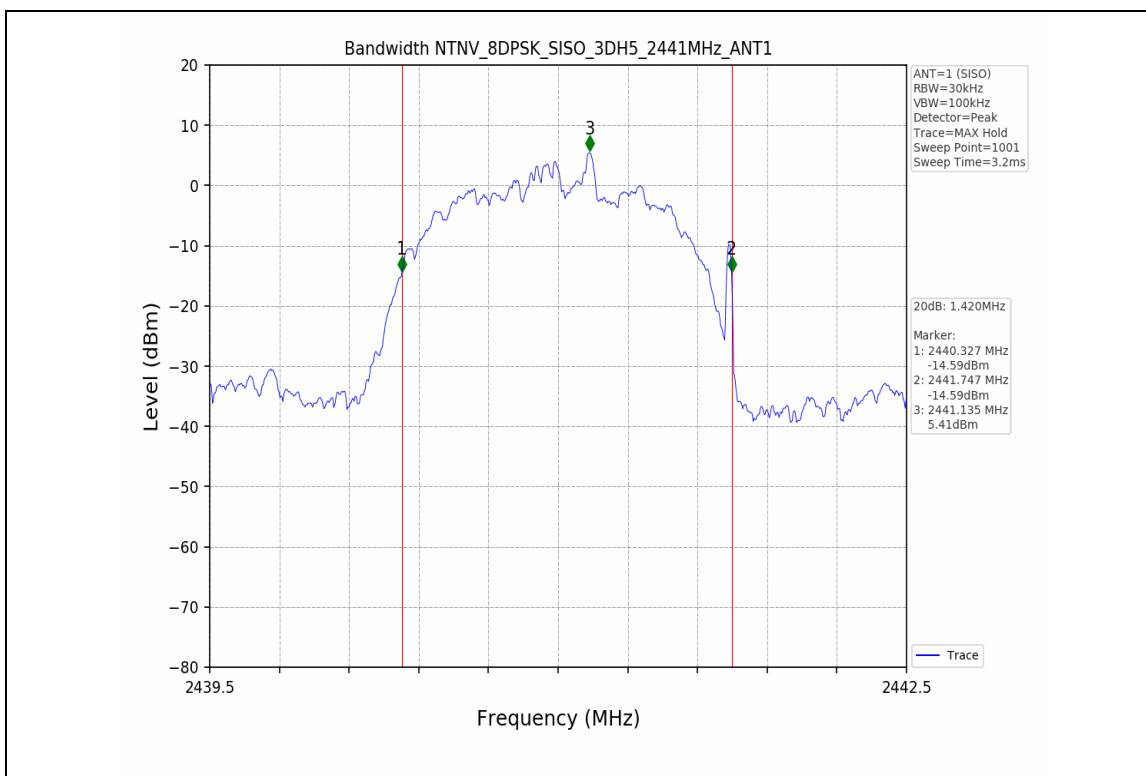
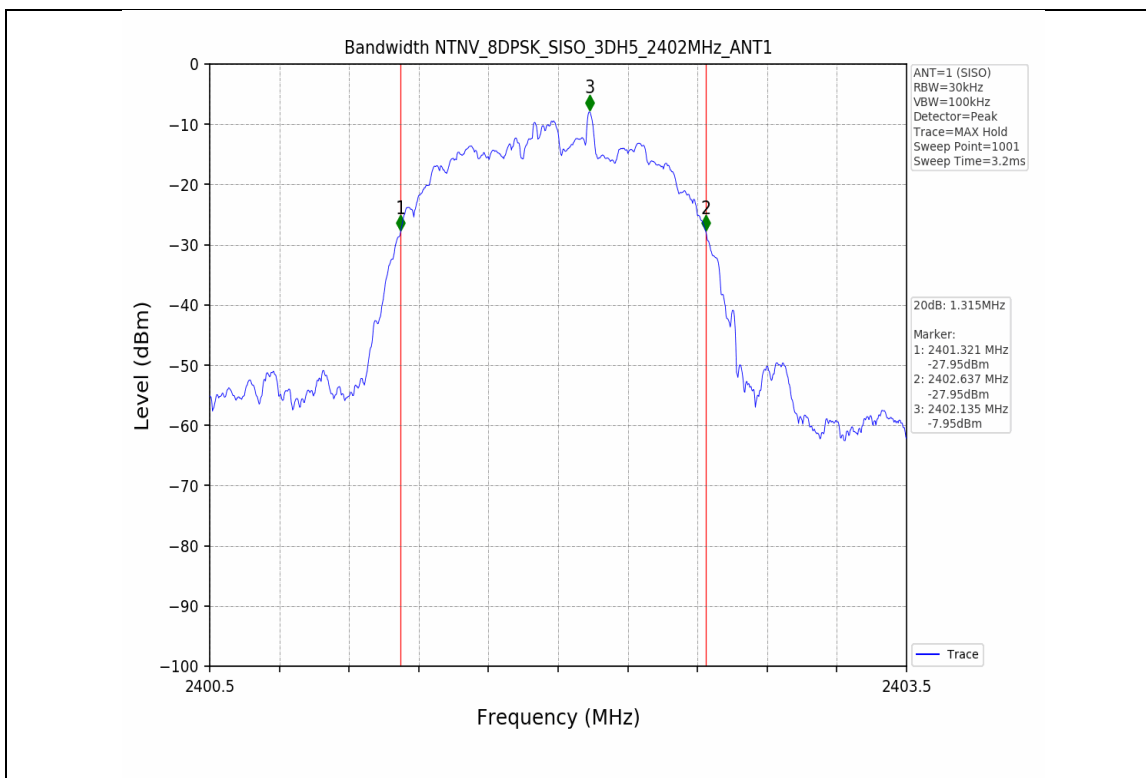
Test Mode	Frequency (MHz)	TX Type	ANT No.	99% Occupied Bandwidth	
				Test Result (MHz)	
GFSK	2402	SISO	1	0.897	Only for Report Use
	2441	SISO	1	0.890	Only for Report Use
	2480	SISO	1	0.899	Only for Report Use
$\pi/4$ -DQPSK	2402	SISO	1	1.191	Only for Report Use
	2441	SISO	1	1.202	Only for Report Use
	2480	SISO	1	1.204	Only for Report Use
8-DPSK	2402	SISO	1	1.206	Only for Report Use
	2441	SISO	1	1.210	Only for Report Use
	2480	SISO	1	1.205	Only for Report Use

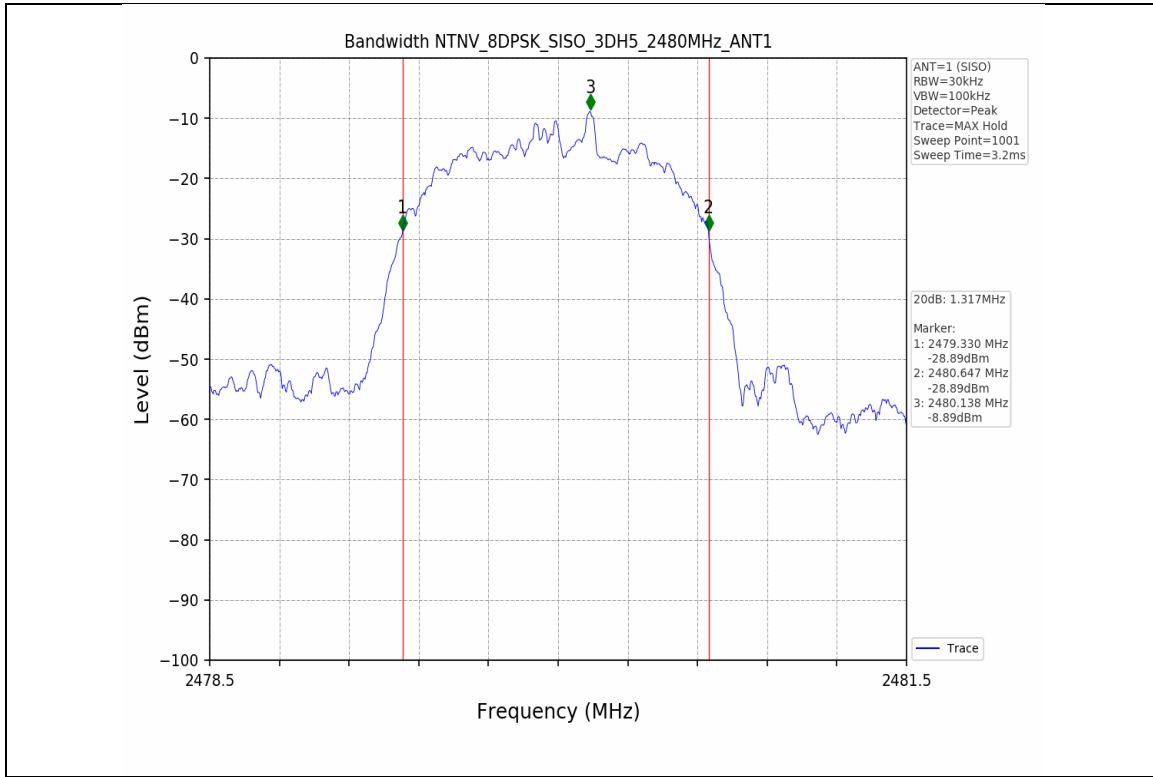
1.2 Test Graph - 20dB Bandwidth



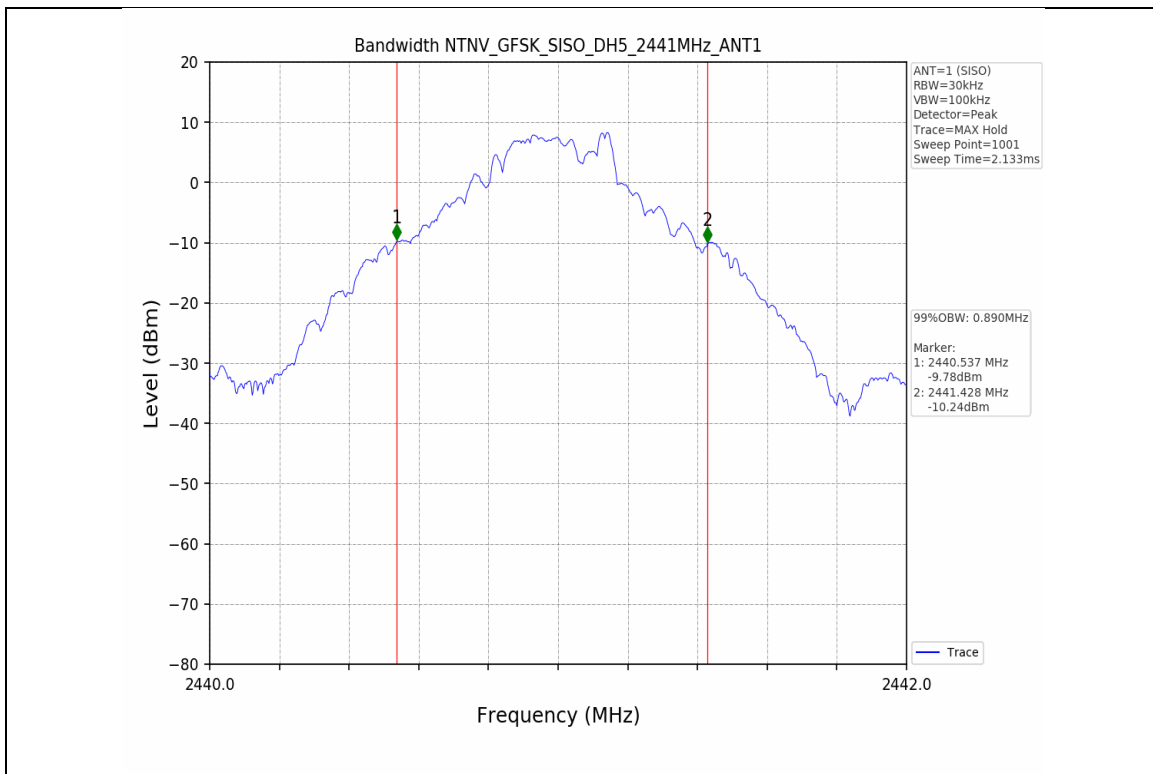
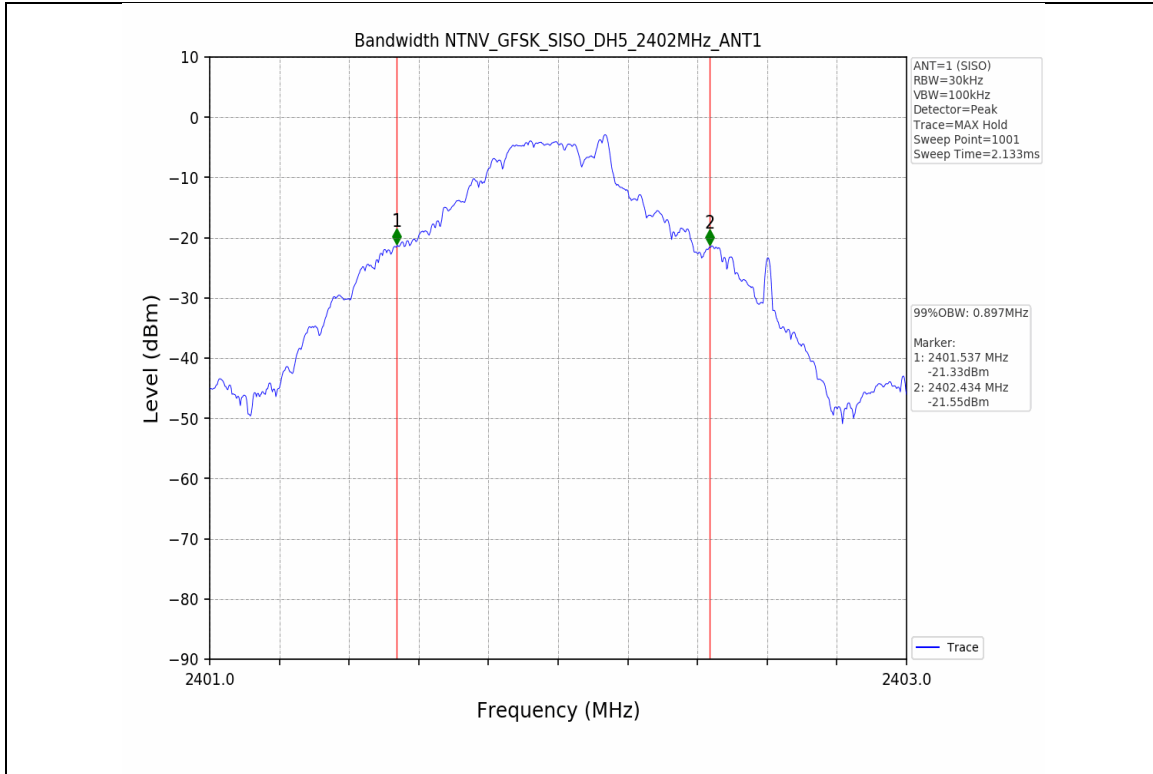


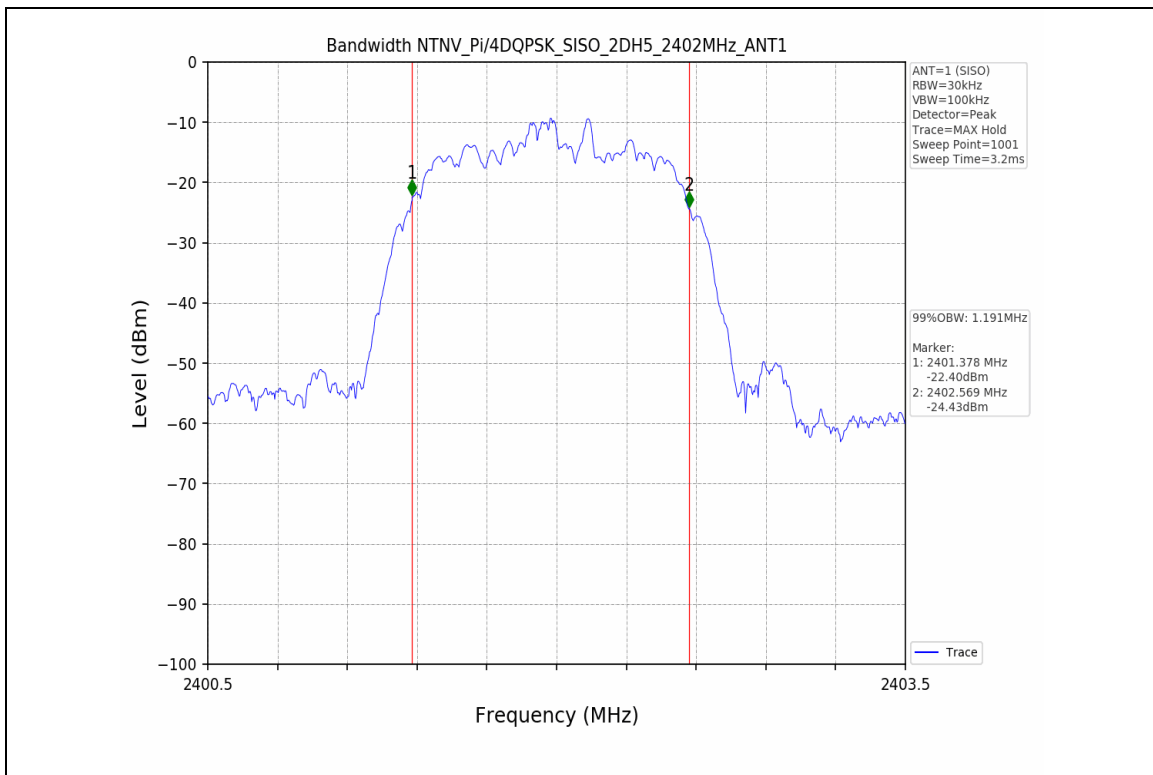
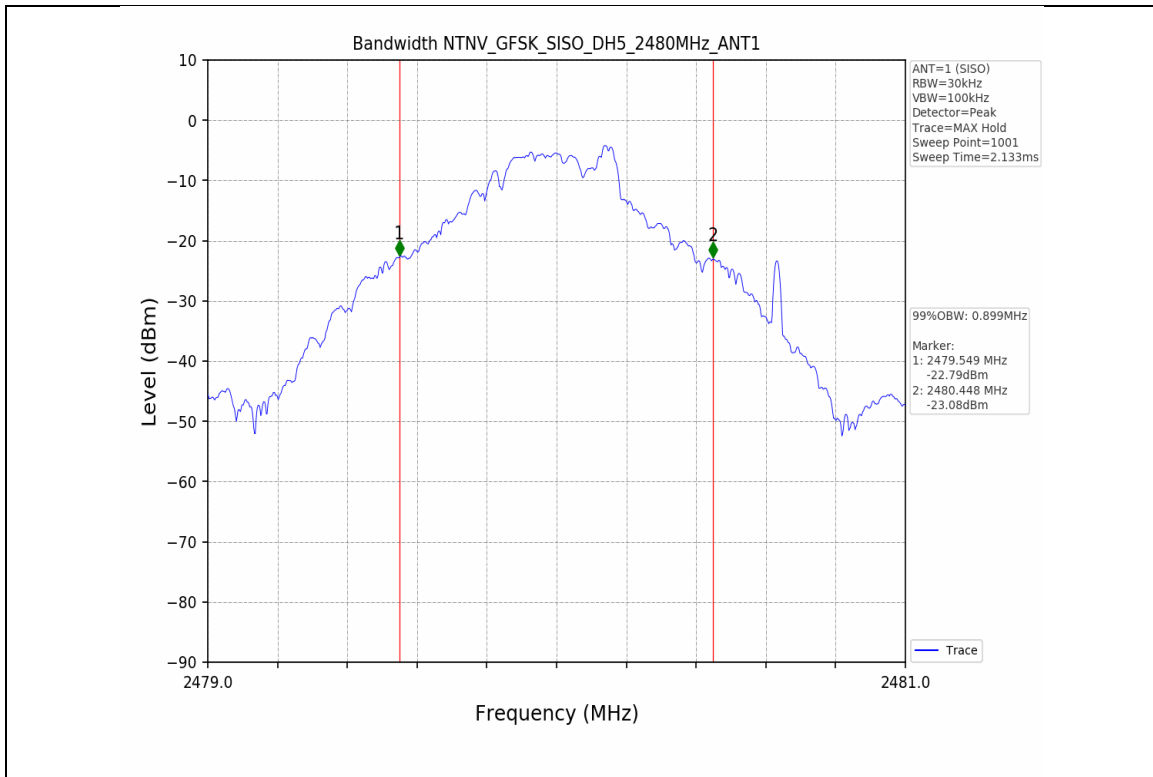


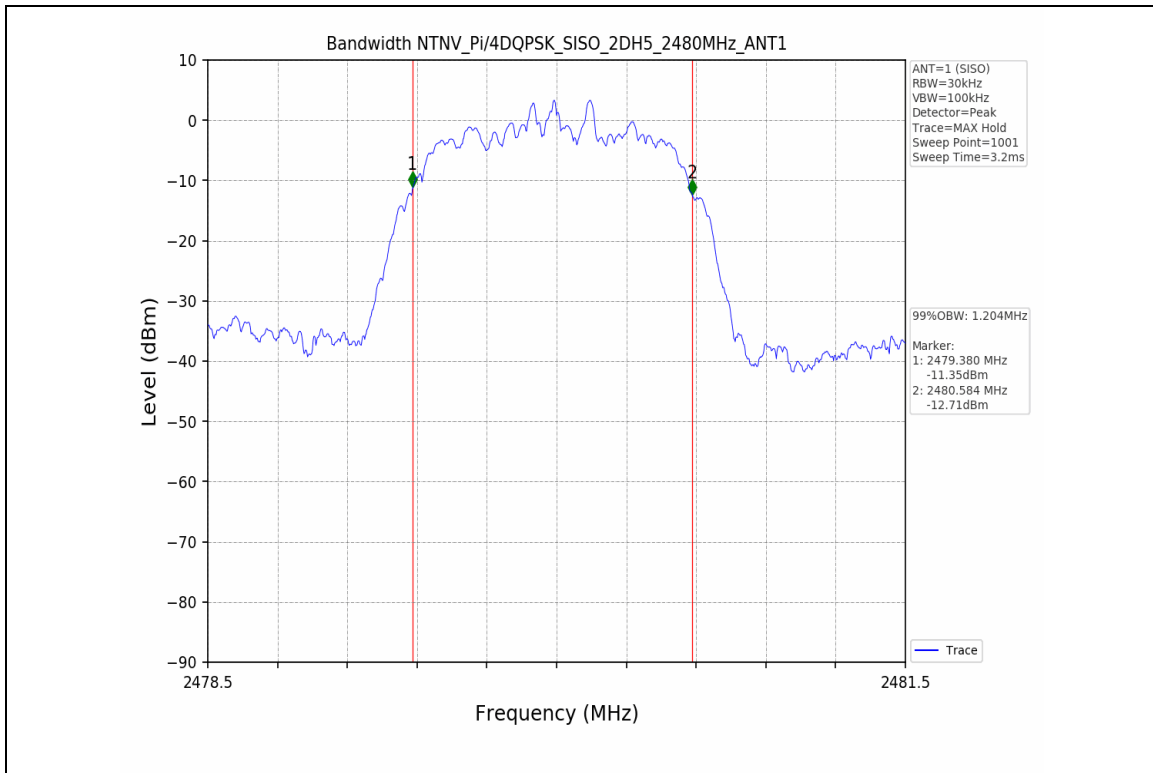
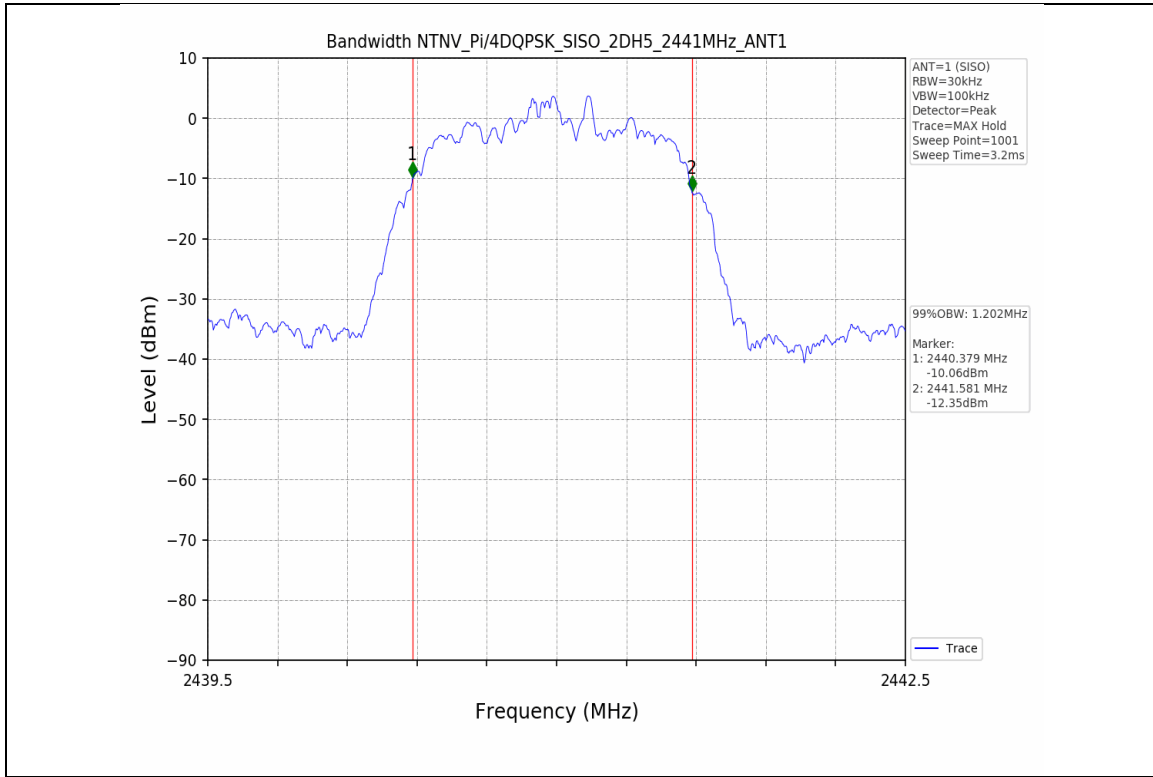


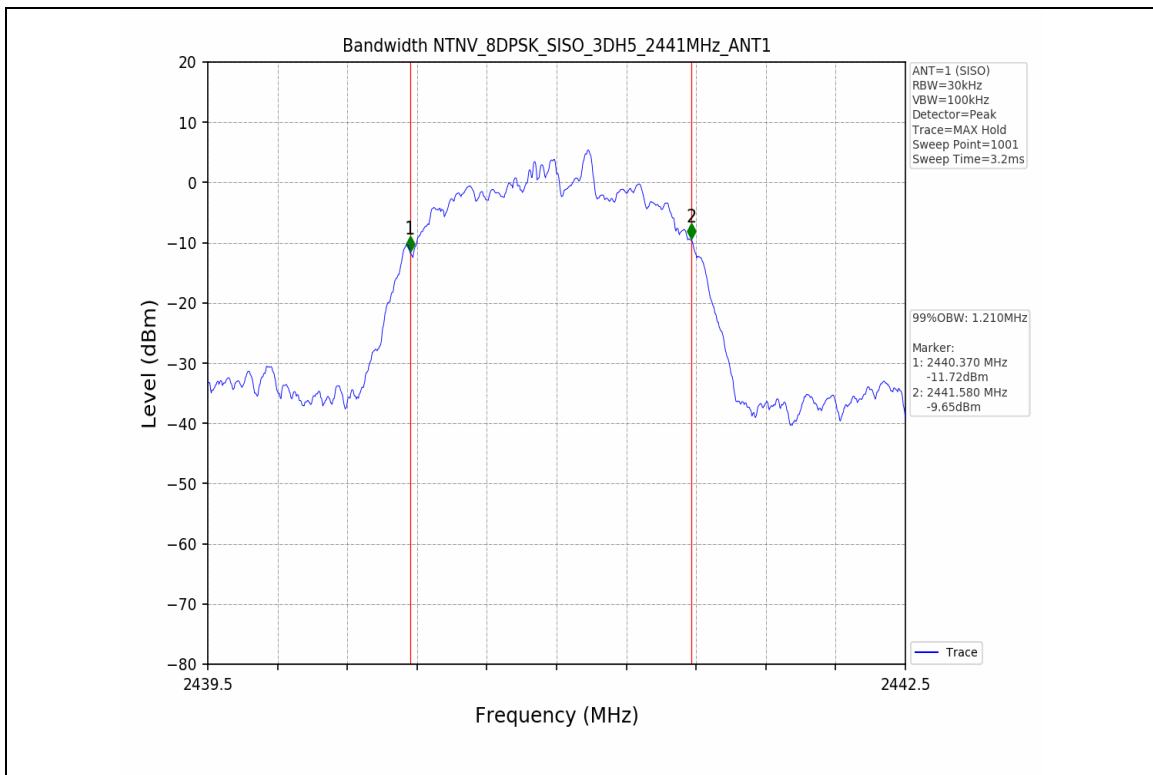
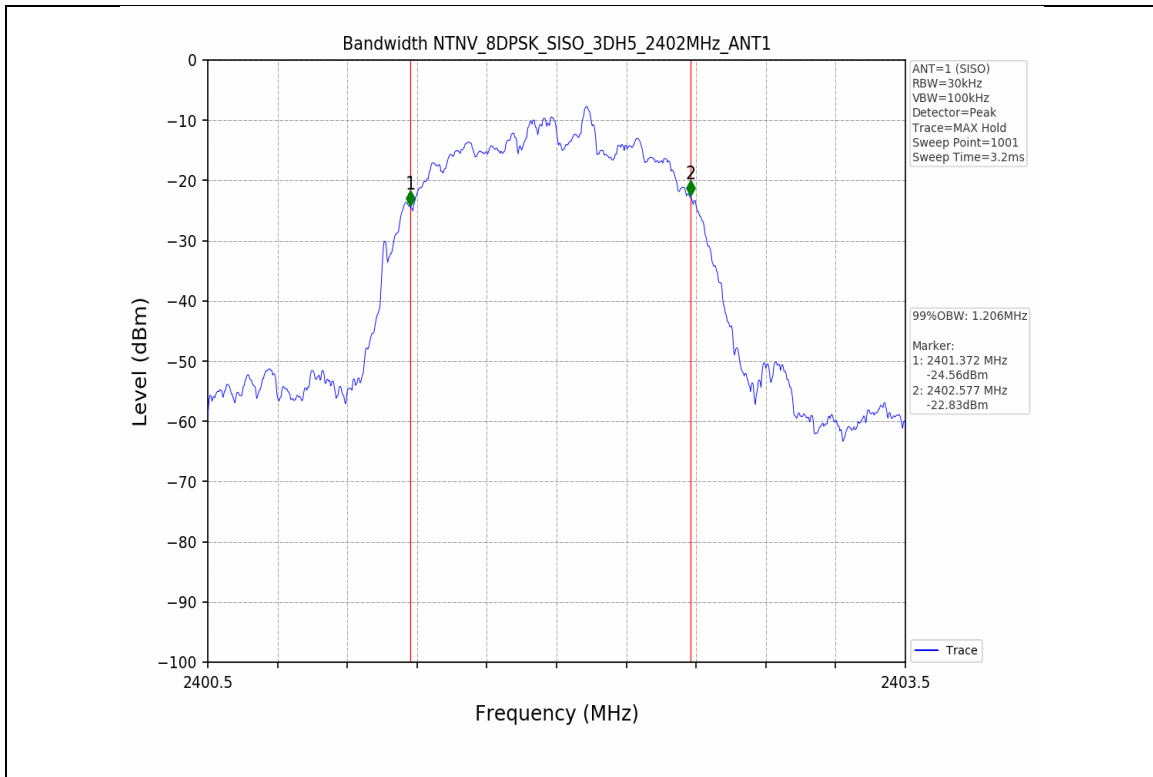


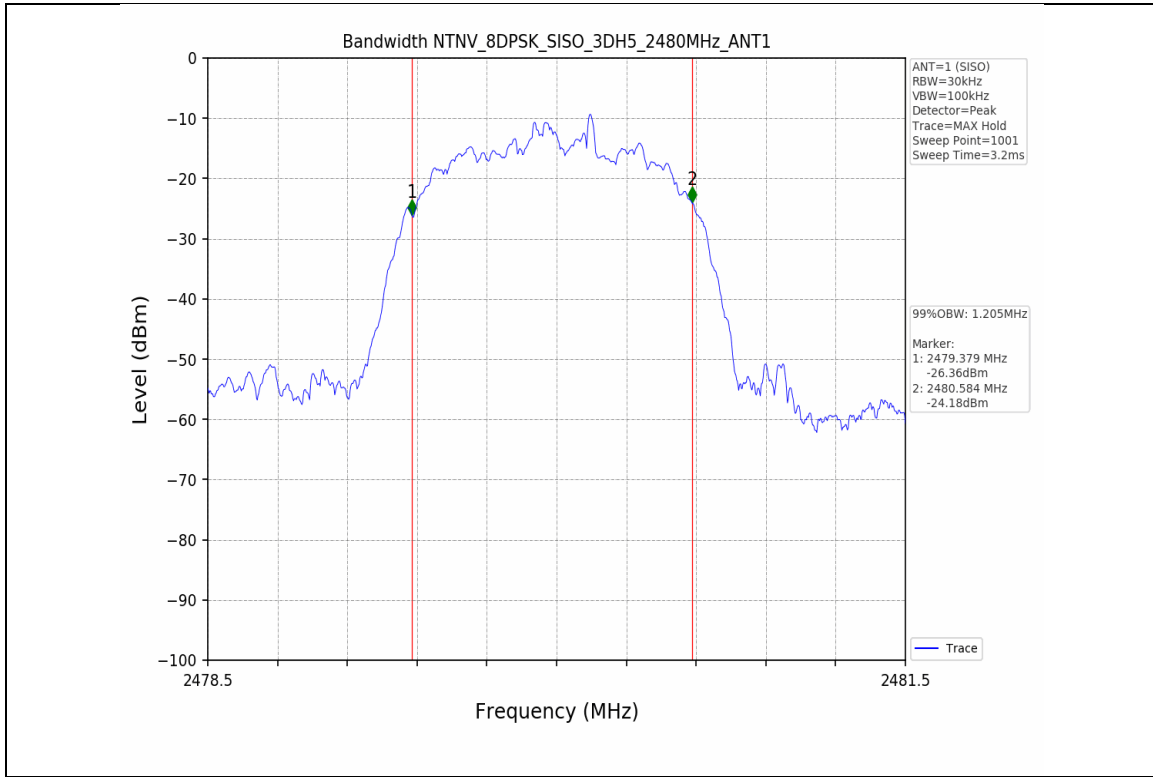
1.3 Test Graph - 99% Occupied Bandwidth









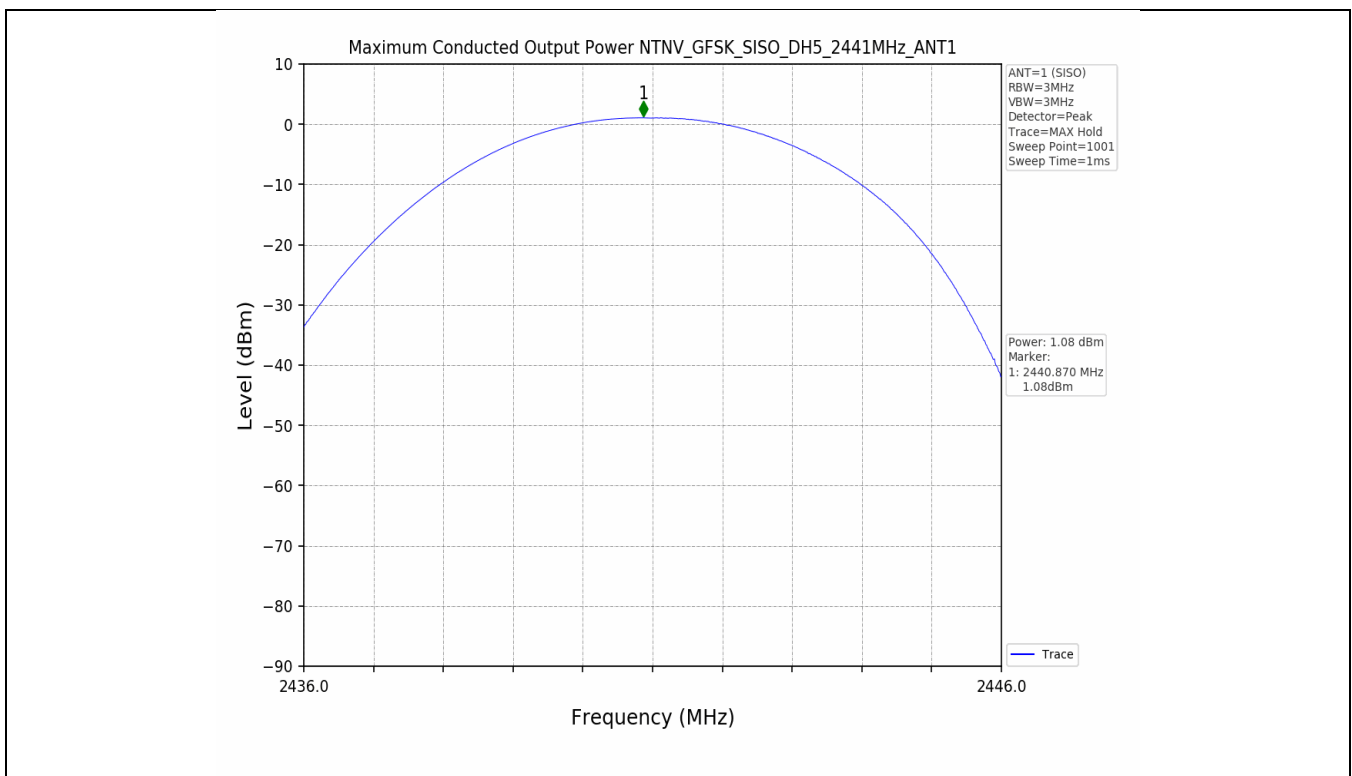
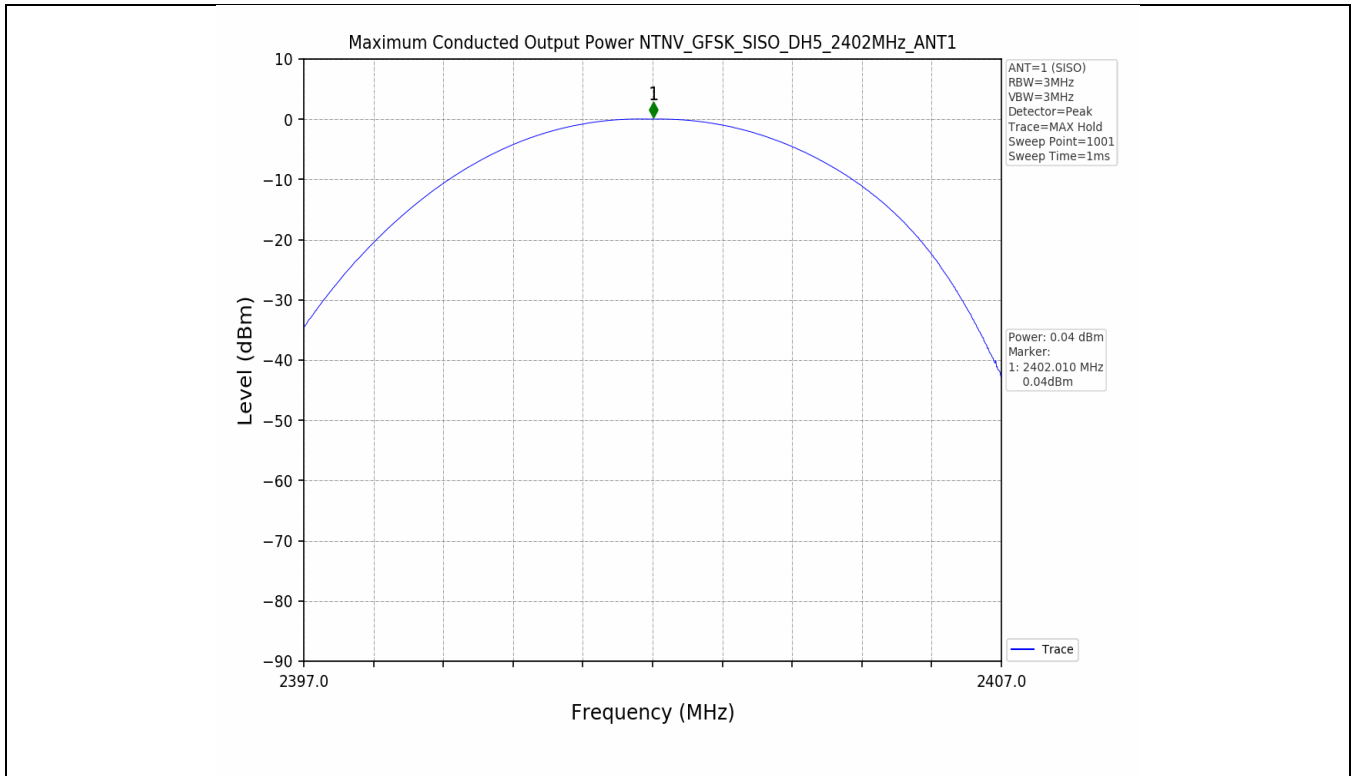


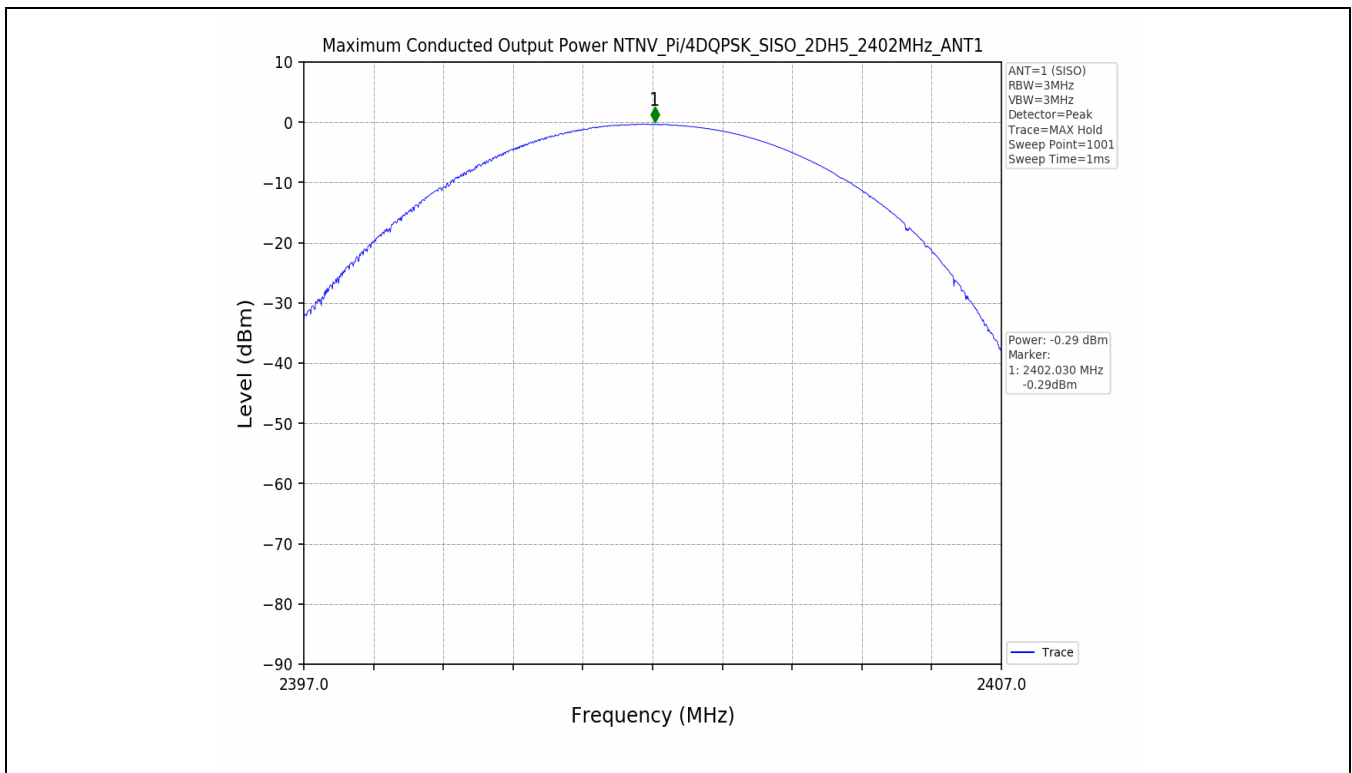
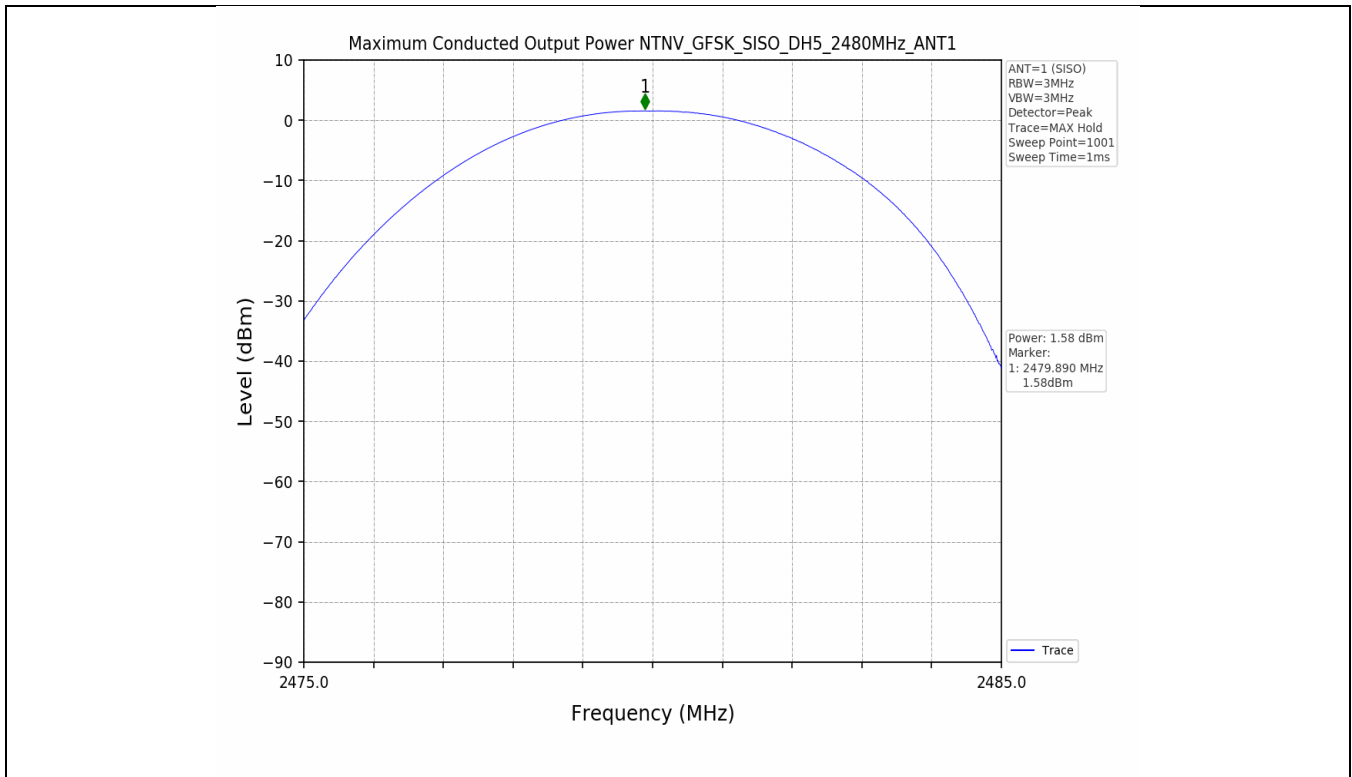
2. Maximum Conducted Output Power

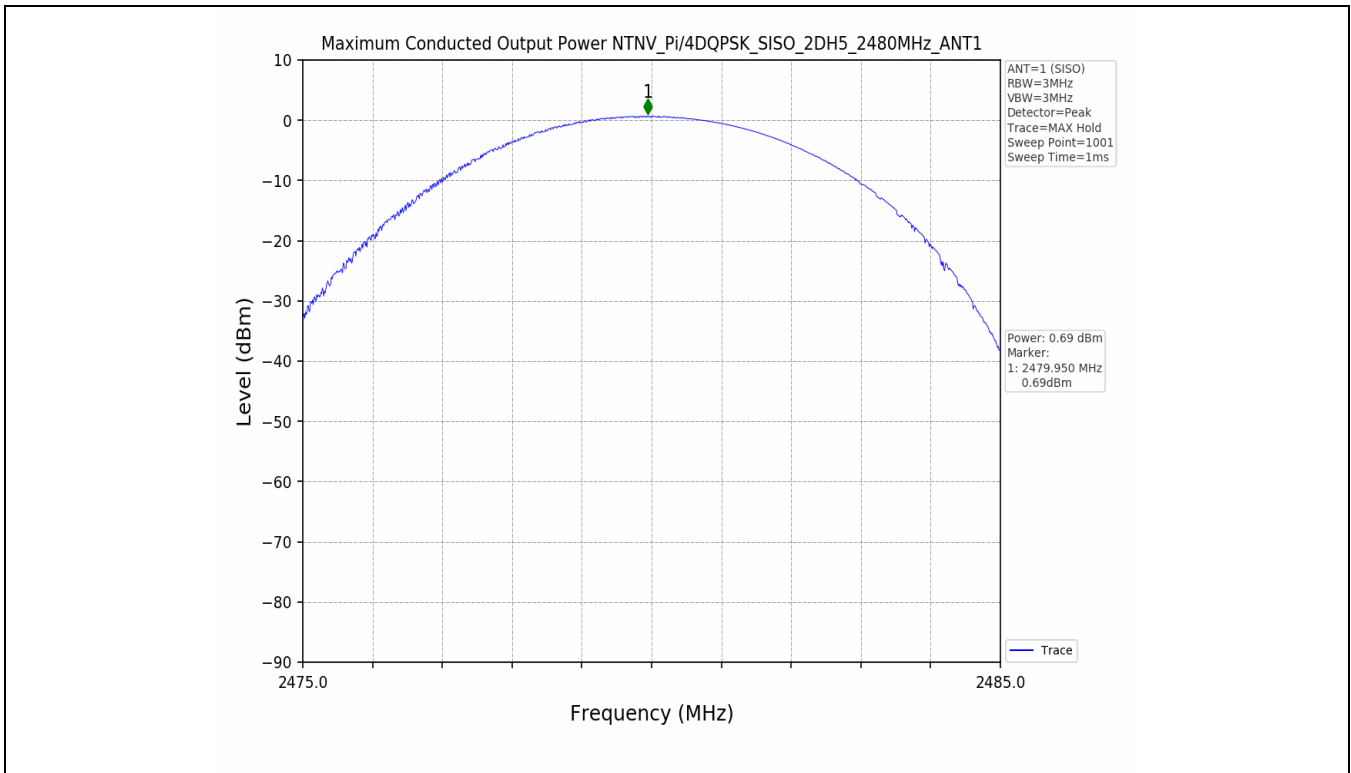
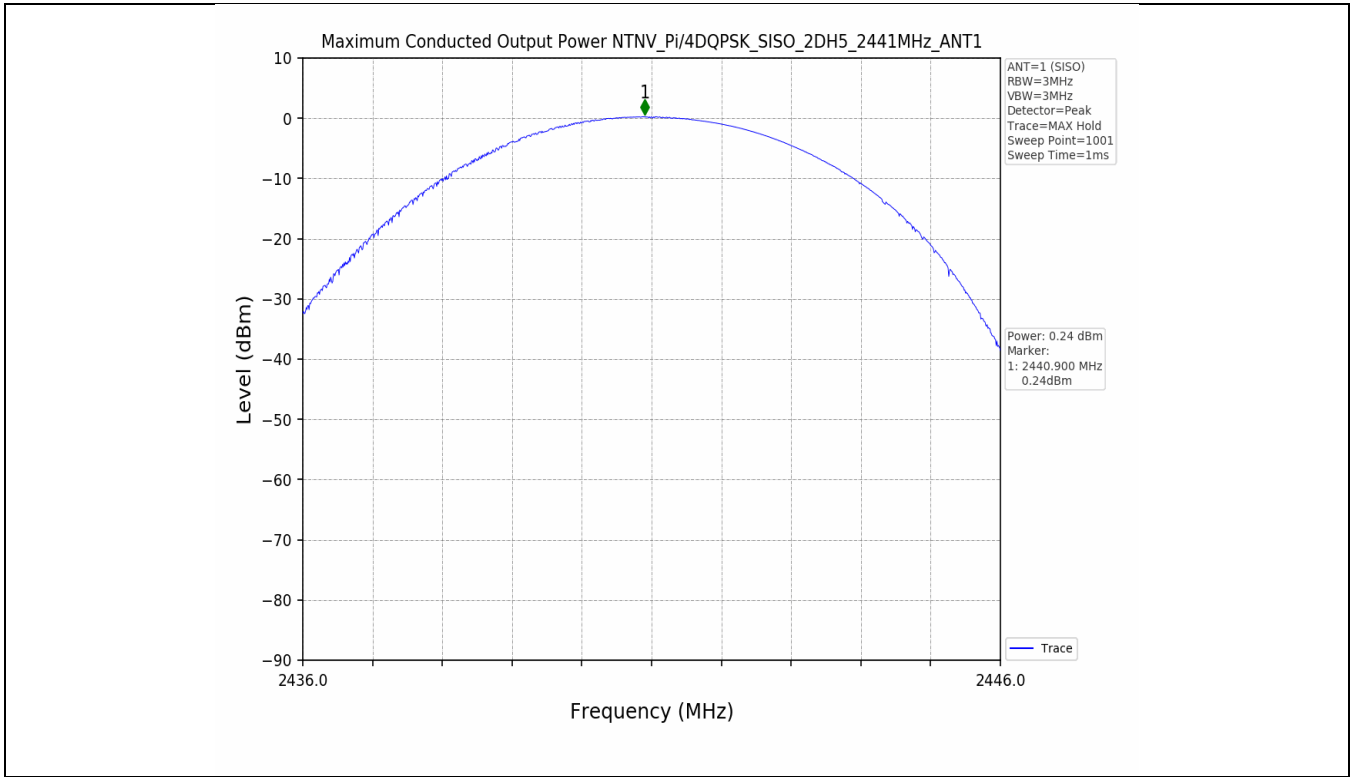
2.1 Test Result

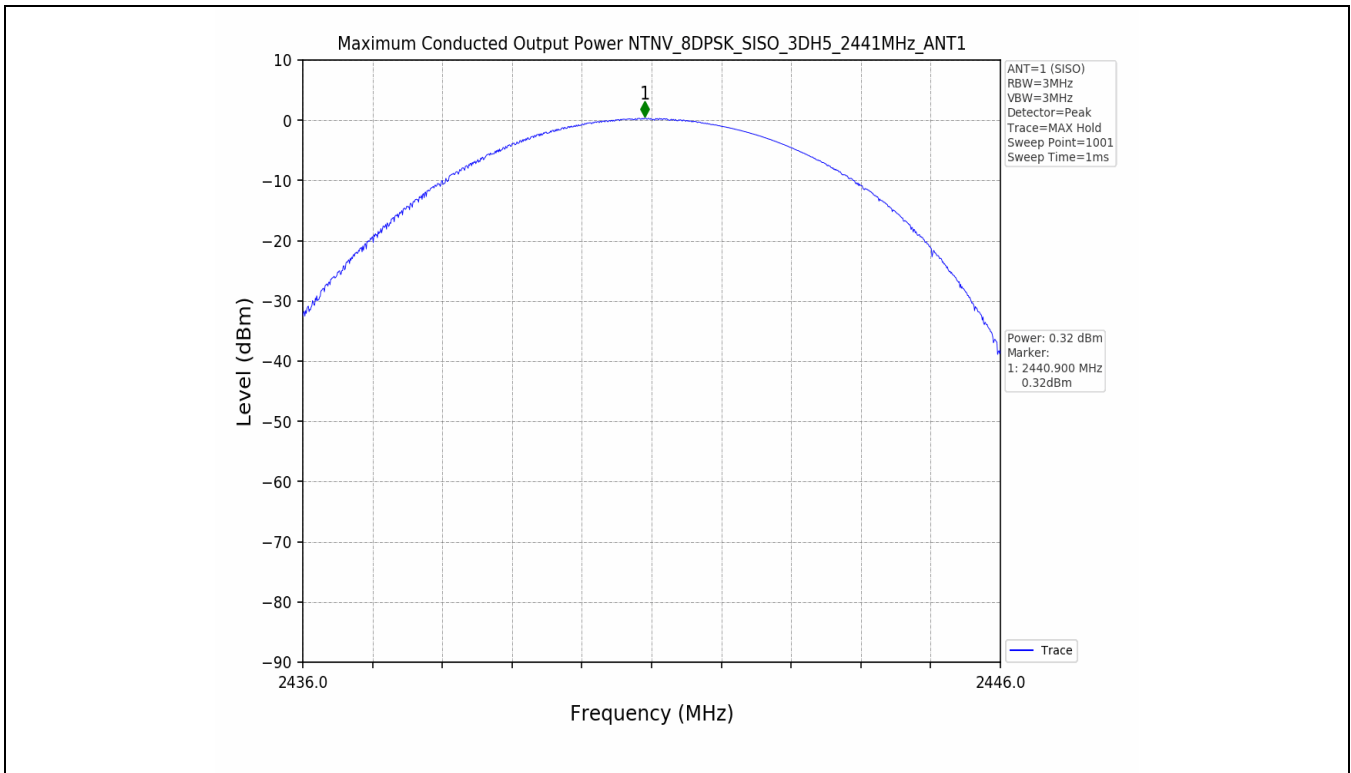
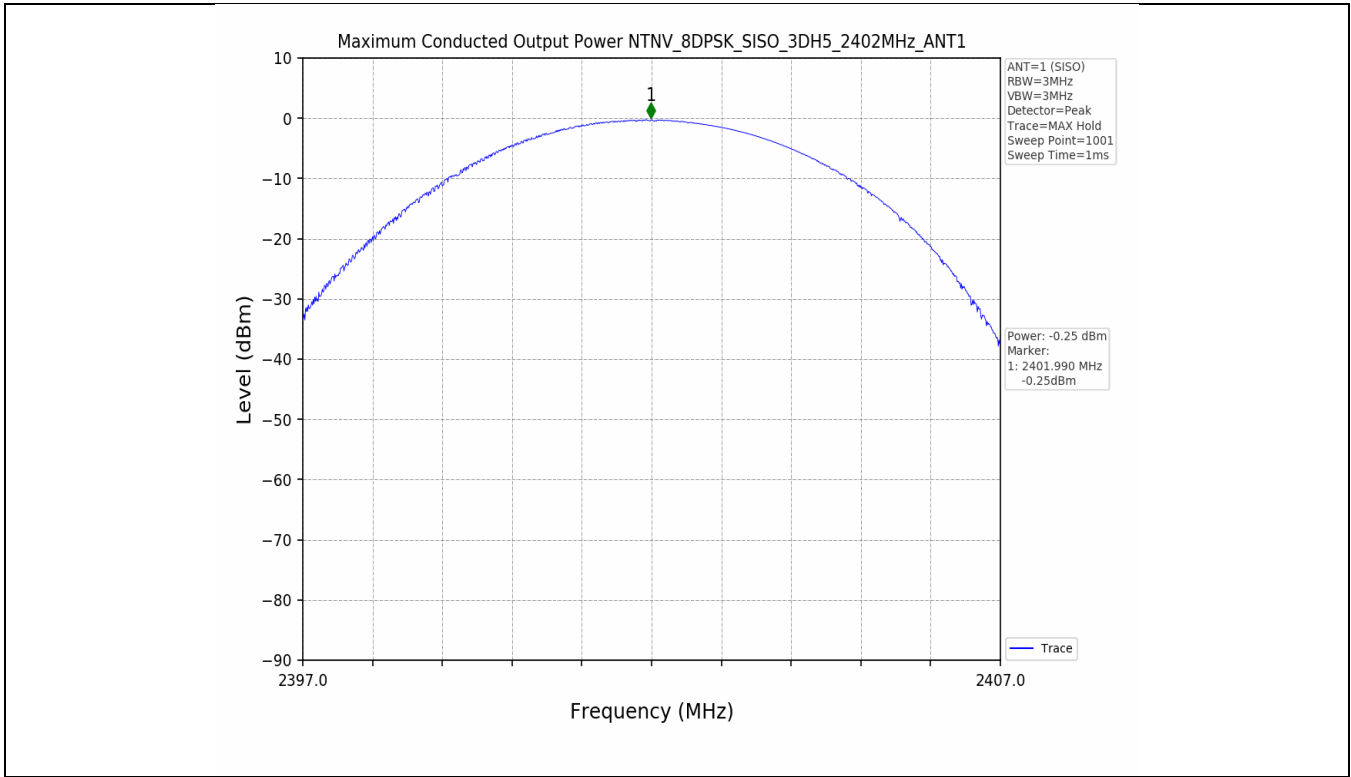
Test Mode	Frequency (MHz)	Tx Type	Measured Peak Output Power (dBm)	Limits (dBm)	Verdict
			Ant 1		
GFSK	2402	SISO	0.04	20.97	PASS
	2441	SISO	1.08	20.97	PASS
	2480	SISO	1.58	20.97	PASS
$\pi/4$ -DQPSK	2402	SISO	-0.29	20.97	PASS
	2441	SISO	0.24	20.97	PASS
	2480	SISO	0.69	20.97	PASS
8-DPSK	2402	SISO	-0.25	20.97	PASS
	2441	SISO	0.32	20.97	PASS
	2480	SISO	0.79	20.97	PASS

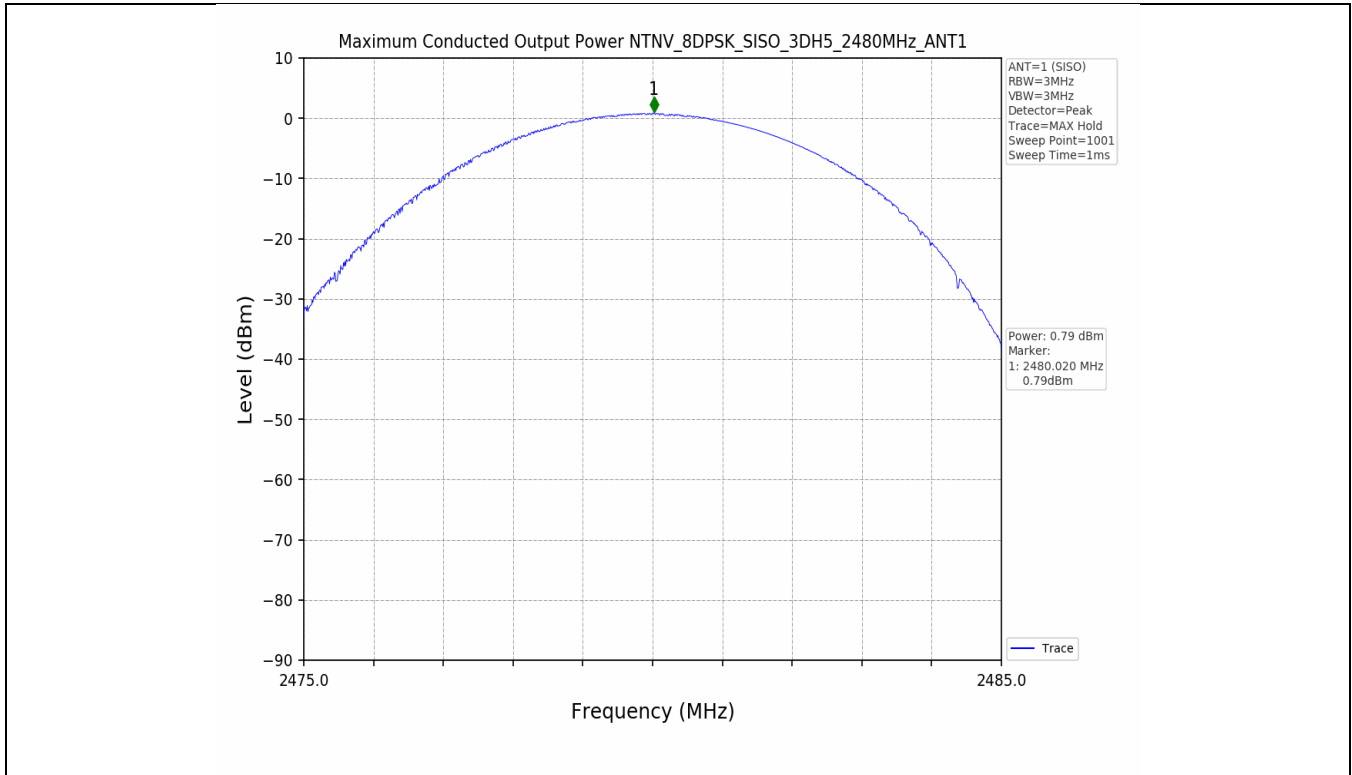
2.2 Test Graph









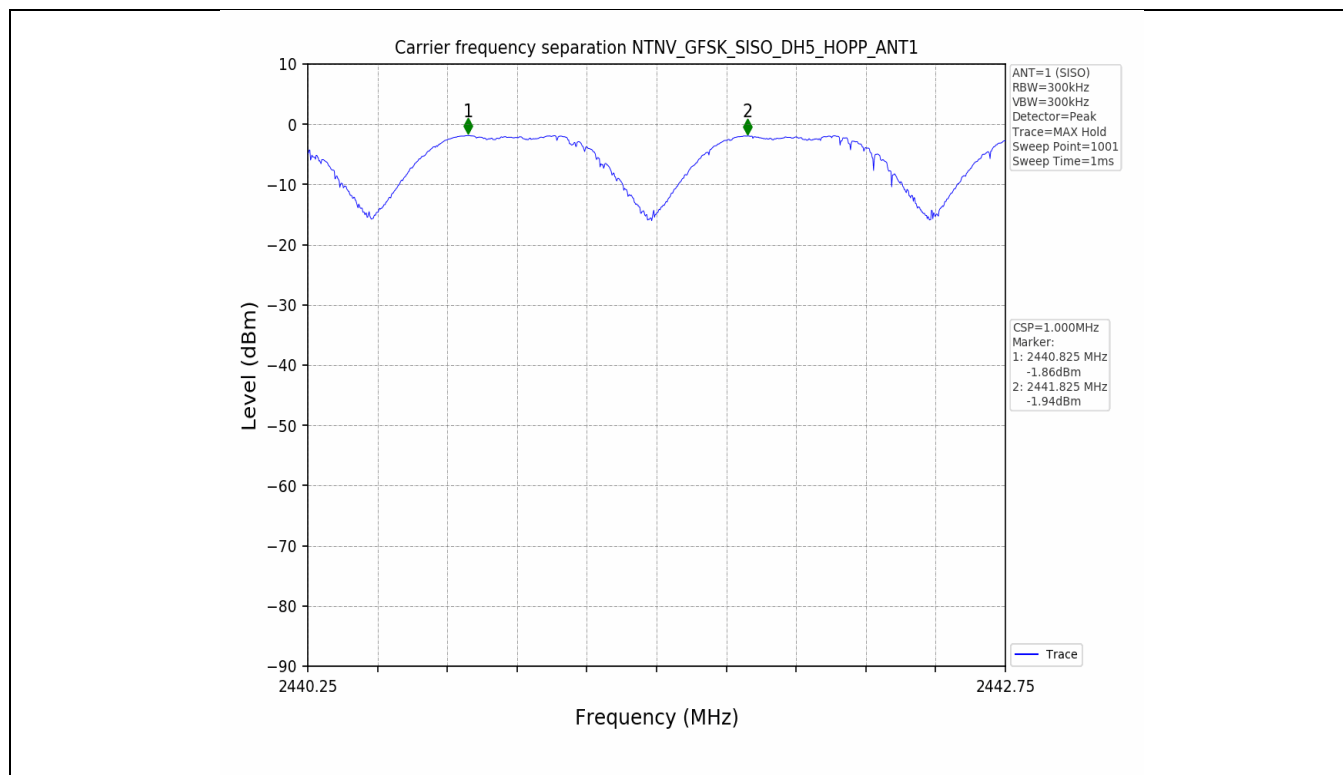


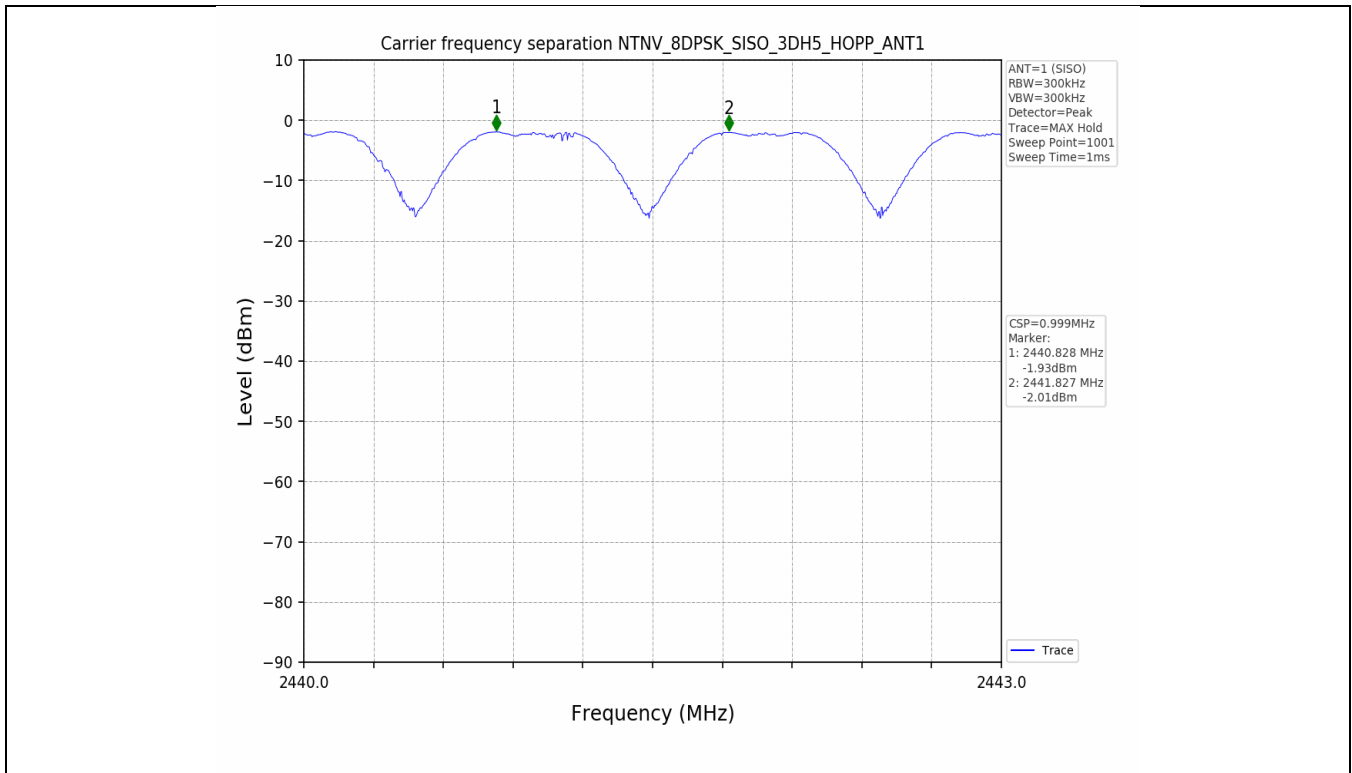
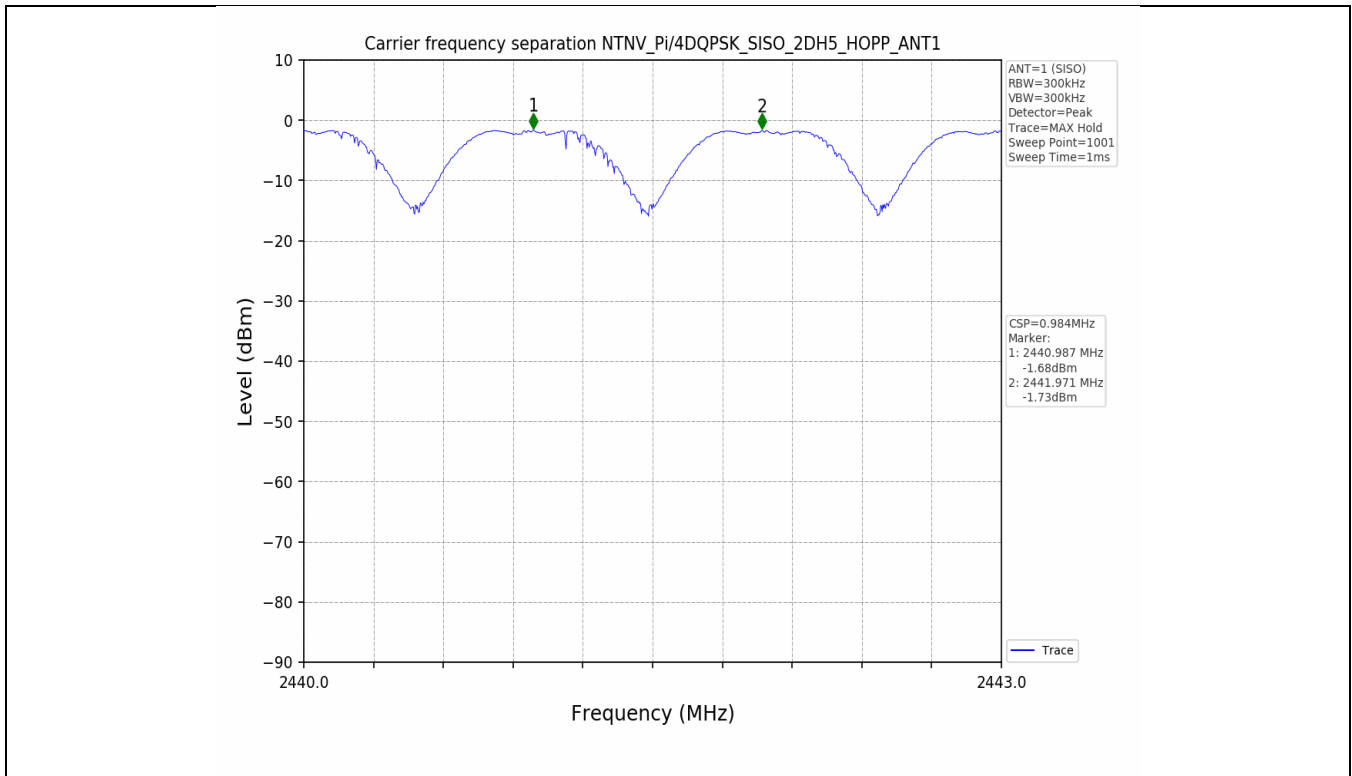
3. Carrier frequency separation

3.1 Test Result

Test Mode	TX Type	ANT No.	Channel Separation (MHz)	20dB Bandwidth (MHz)	Limits (MHz)	Verdict
GFSK	SISO	1	1.000	1.063	≥0.709	PASS
π/4-DQPSK	SISO	1	0.984	1.362	≥0.908	PASS
8-DPSK	SISO	1	0.999	1.420	≥0.947	PASS

3.2 Test Graph



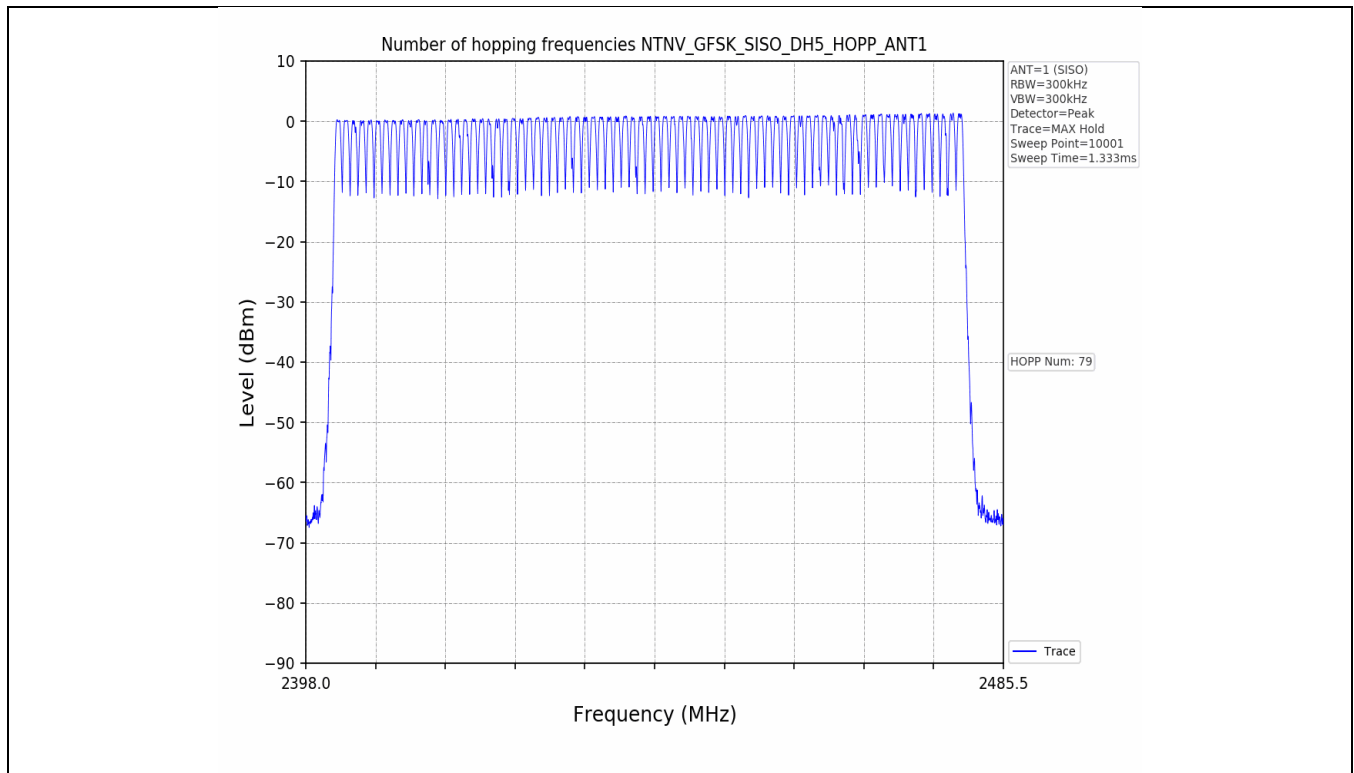


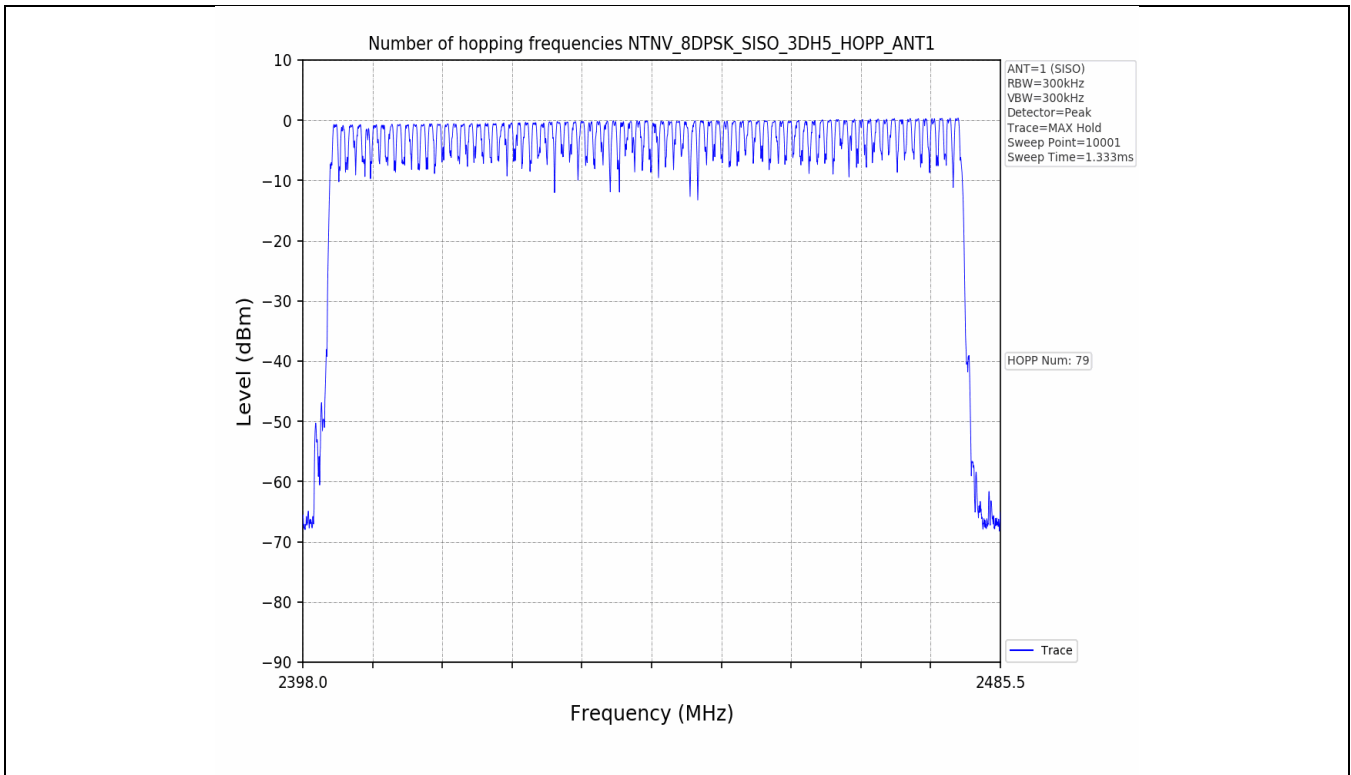
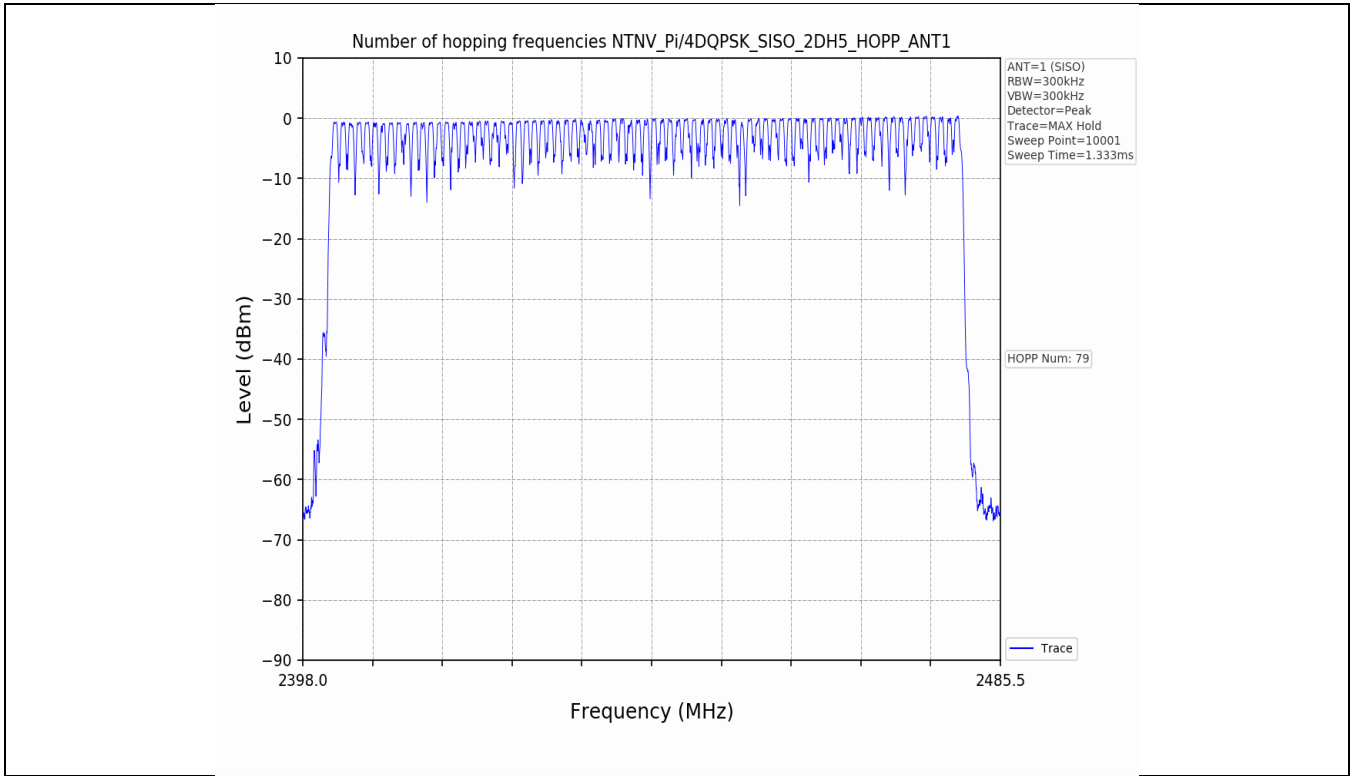
4. Number of hopping frequencies

4.1 Test Result

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

4.2 Test Graph



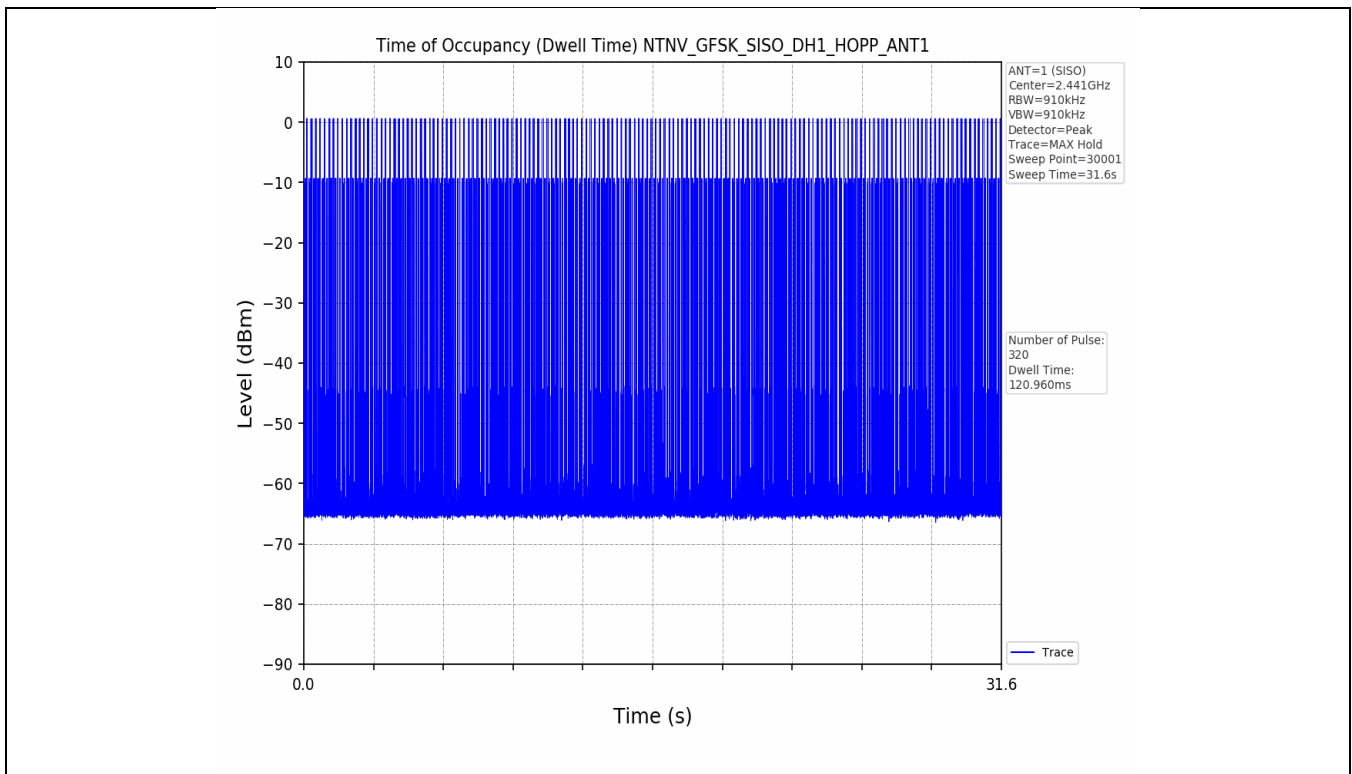
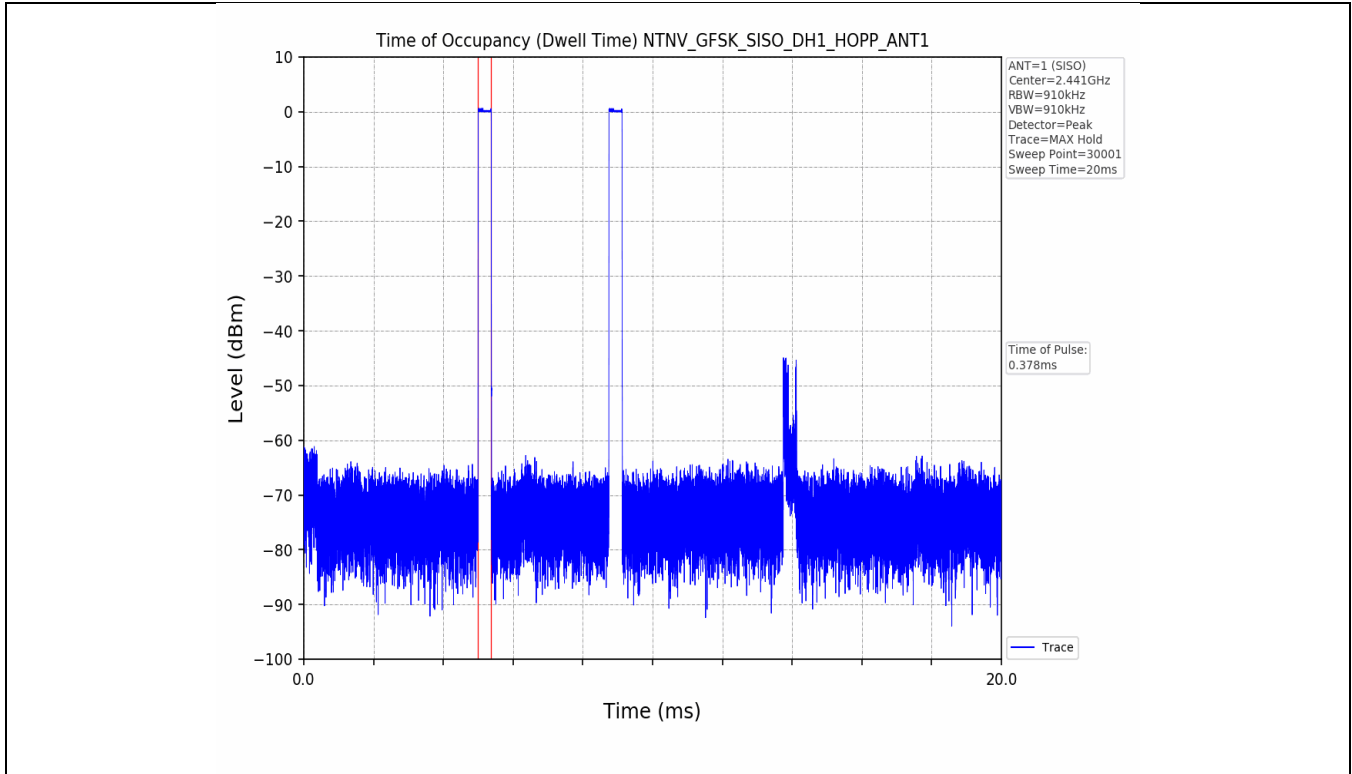


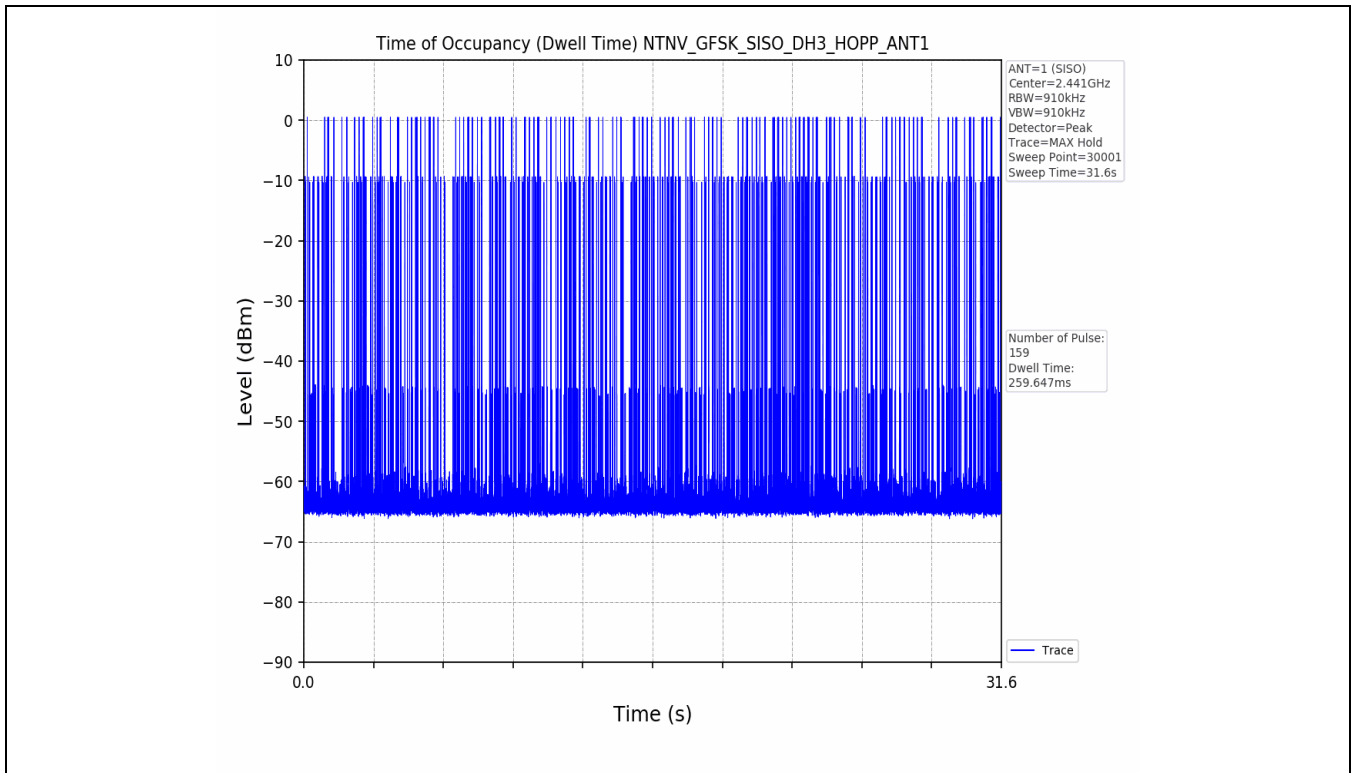
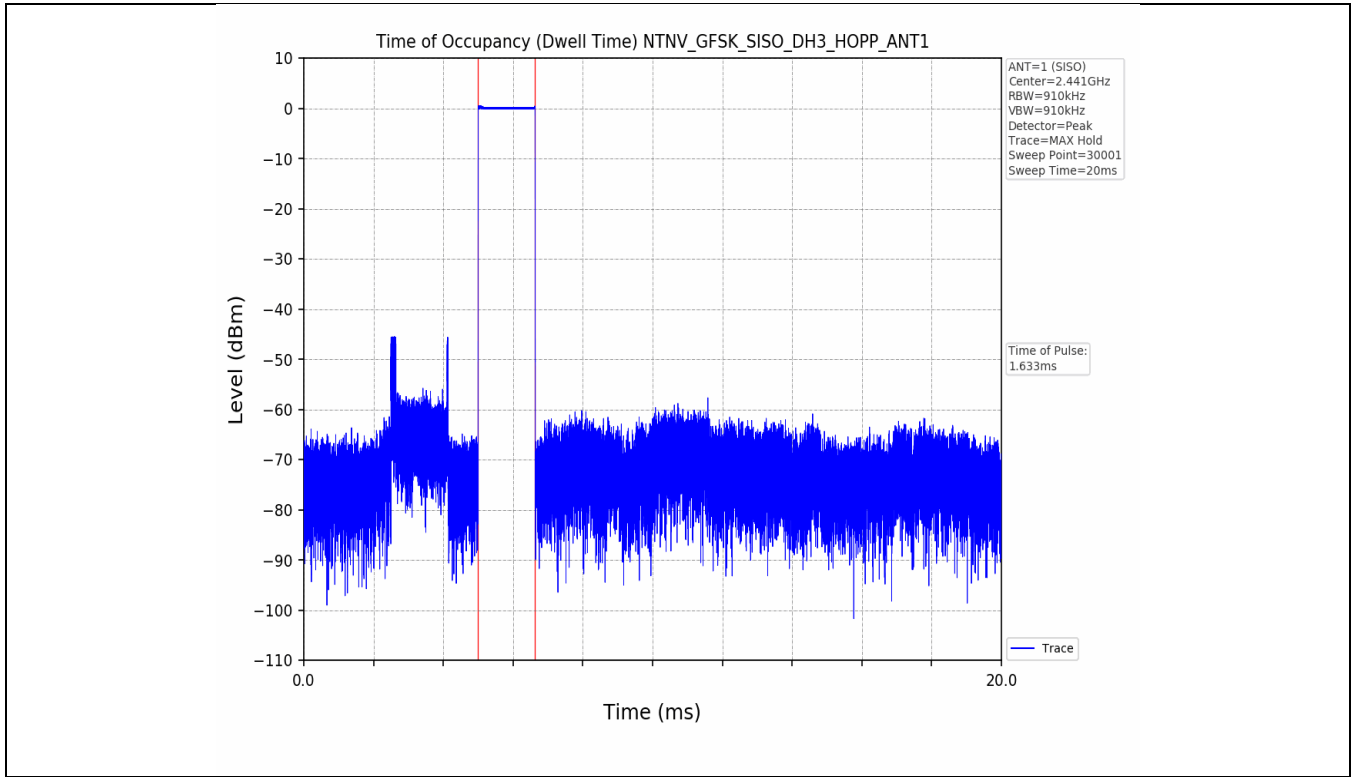
5. Time of Occupancy (Dwell Time)

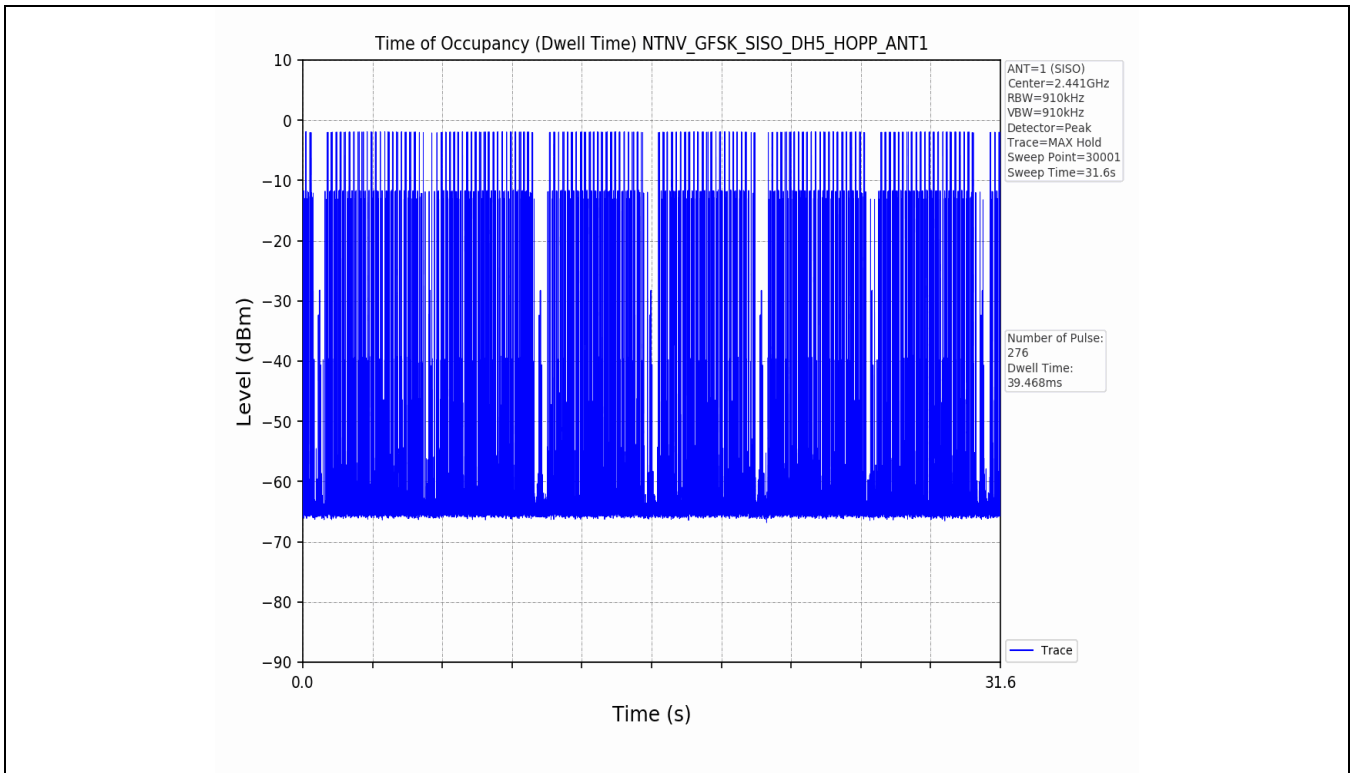
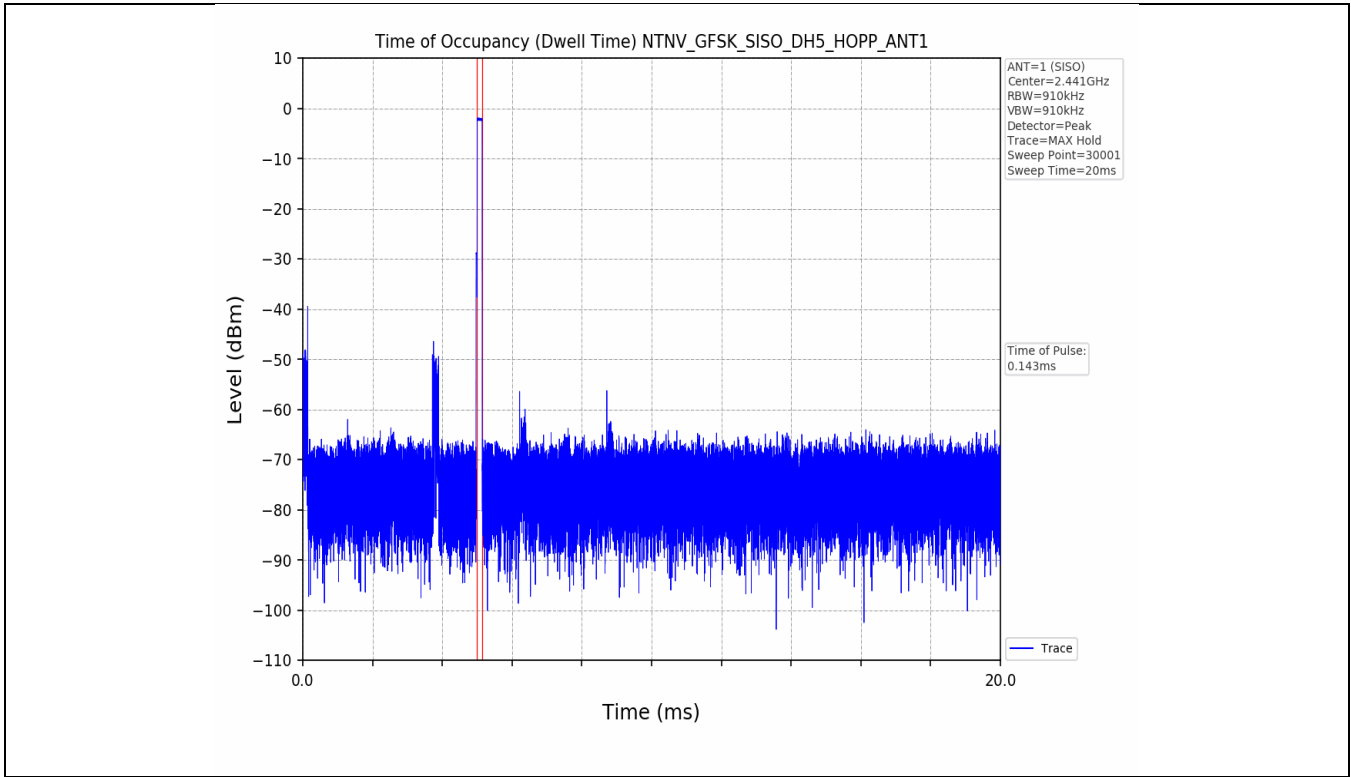
5.1 Test Result

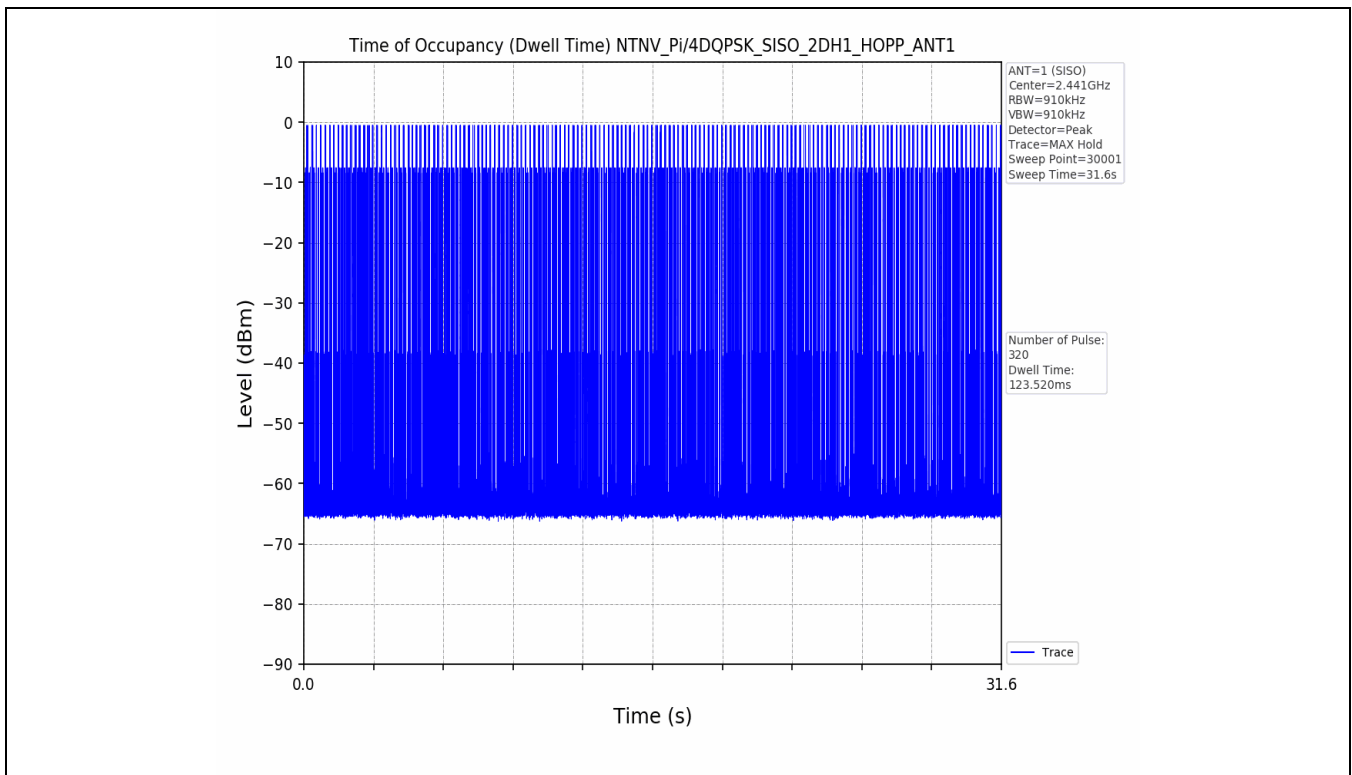
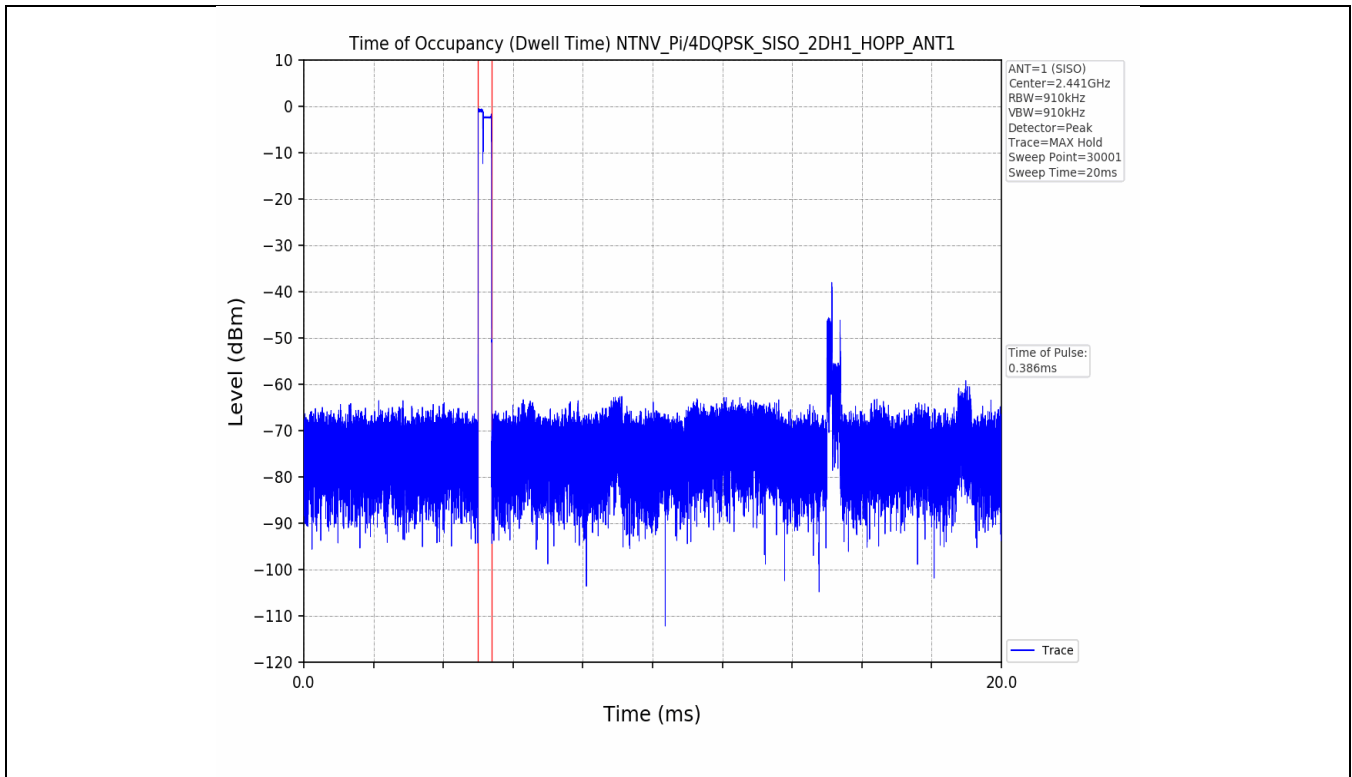
Test Mode	Packet Type	TX Type	ANT No.	Duration of Single Pulse (ms)	Observation Period (s)	Num of Pulse in Observation Period	Dwell Time (ms)	Limits (ms)	Verdict
GFSK	DH1	SISO	1	0.378	31.6	320	120.960	≤400	PASS
	DH3	SISO	1	1.633	31.6	159	259.647	≤400	PASS
	DH5	SISO	1	0.143	31.6	276	39.468	≤400	PASS
π/4-DQPSK	2DH1	SISO	1	0.386	31.6	320	123.520	≤400	PASS
	2DH3	SISO	1	1.639	31.6	159	260.601	≤400	PASS
	2DH5	SISO	1	2.887	31.6	104	300.248	≤400	PASS
8-DPSK	3DH1	SISO	1	0.387	31.6	320	123.840	≤400	PASS
	3DH3	SISO	1	1.637	31.6	159	260.283	≤400	PASS
	3DH5	SISO	1	2.889	31.6	107	309.123	≤400	PASS

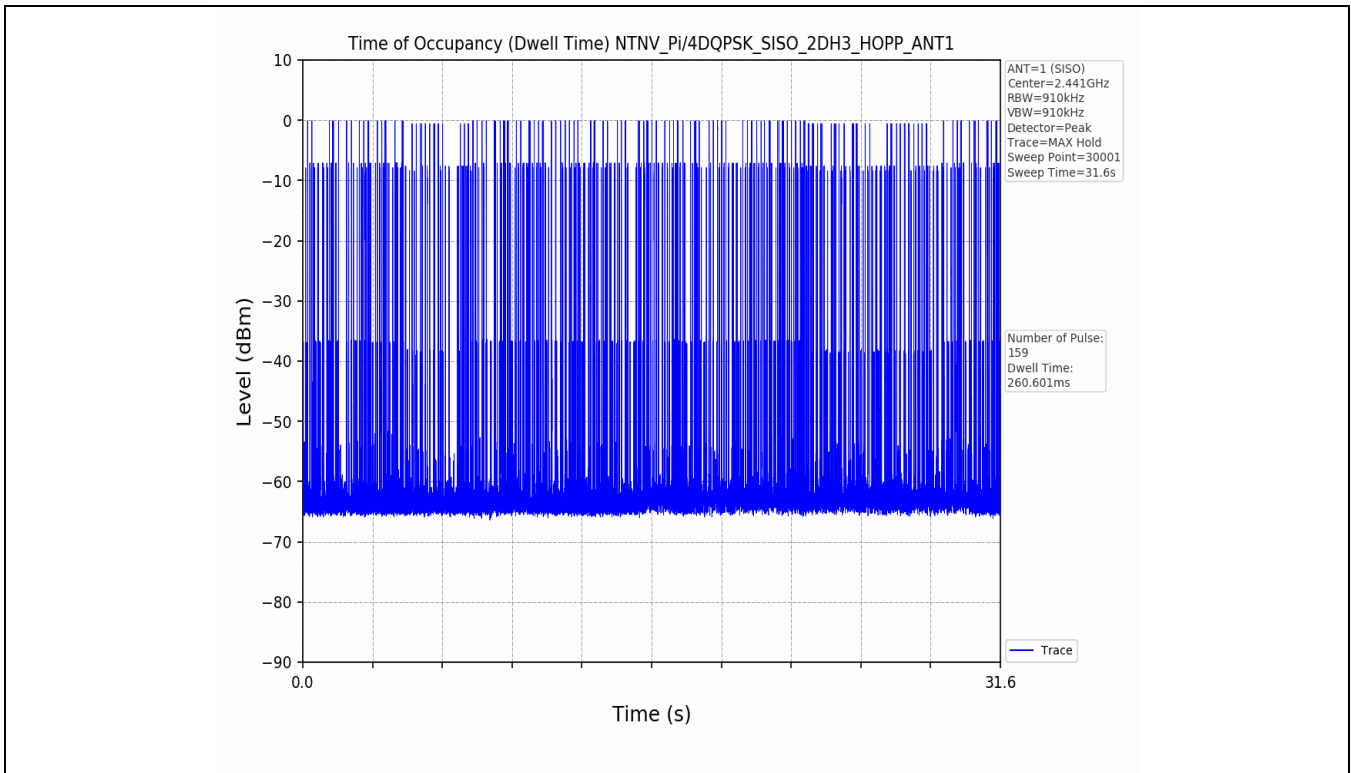
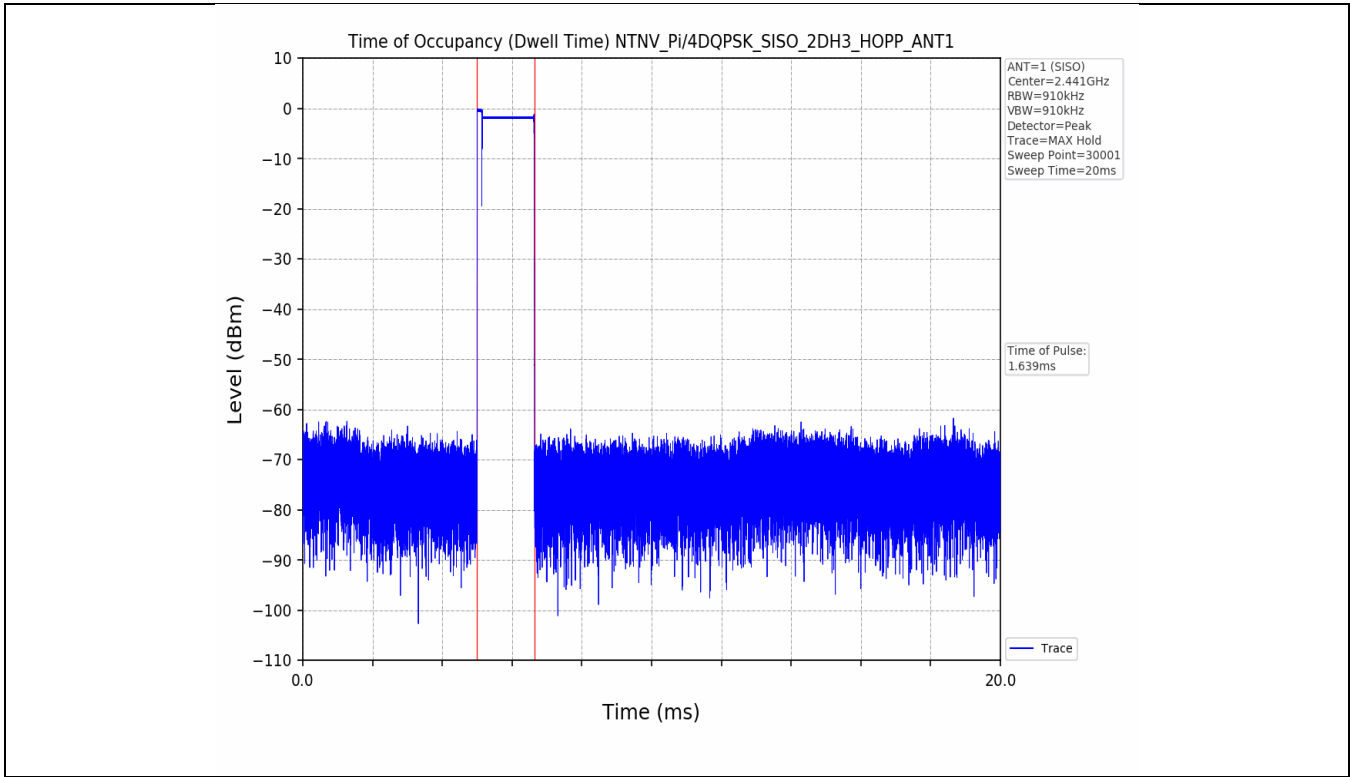
5.2 Test Graph

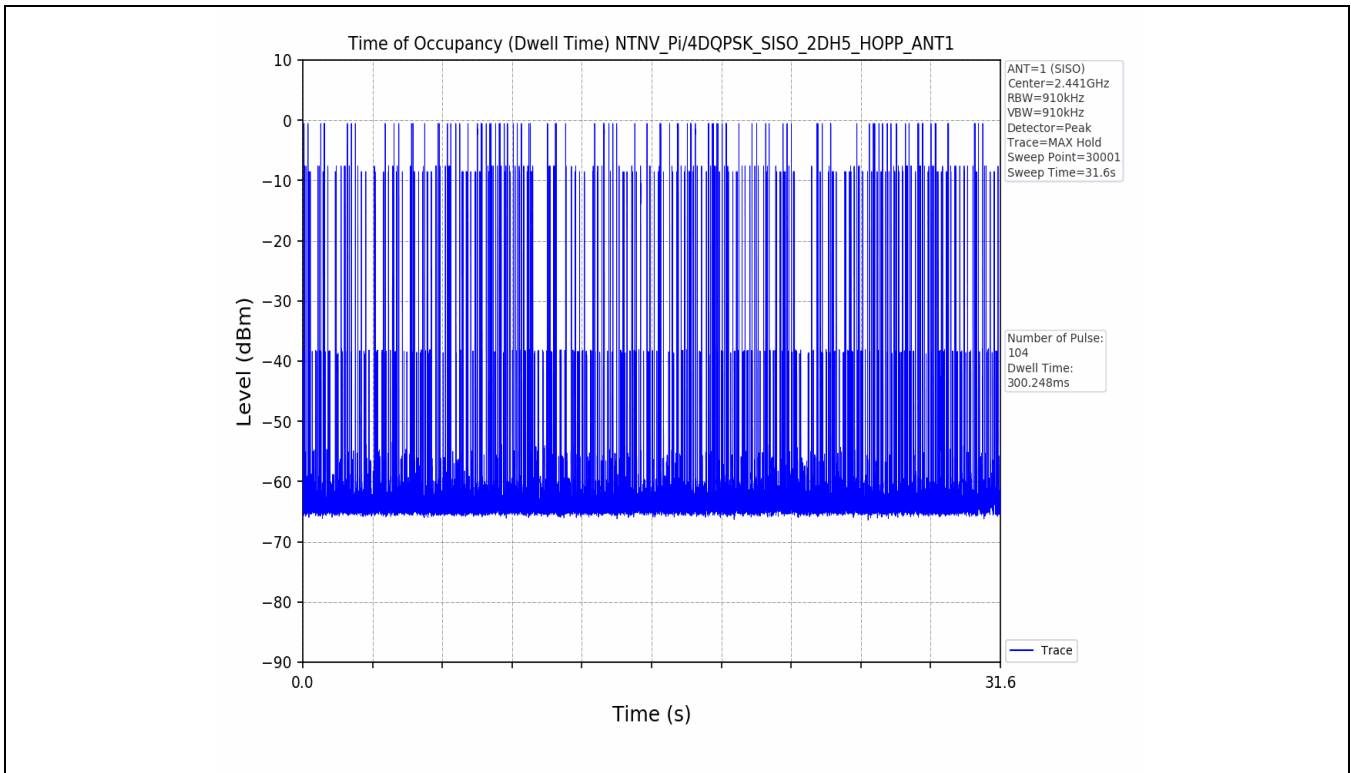
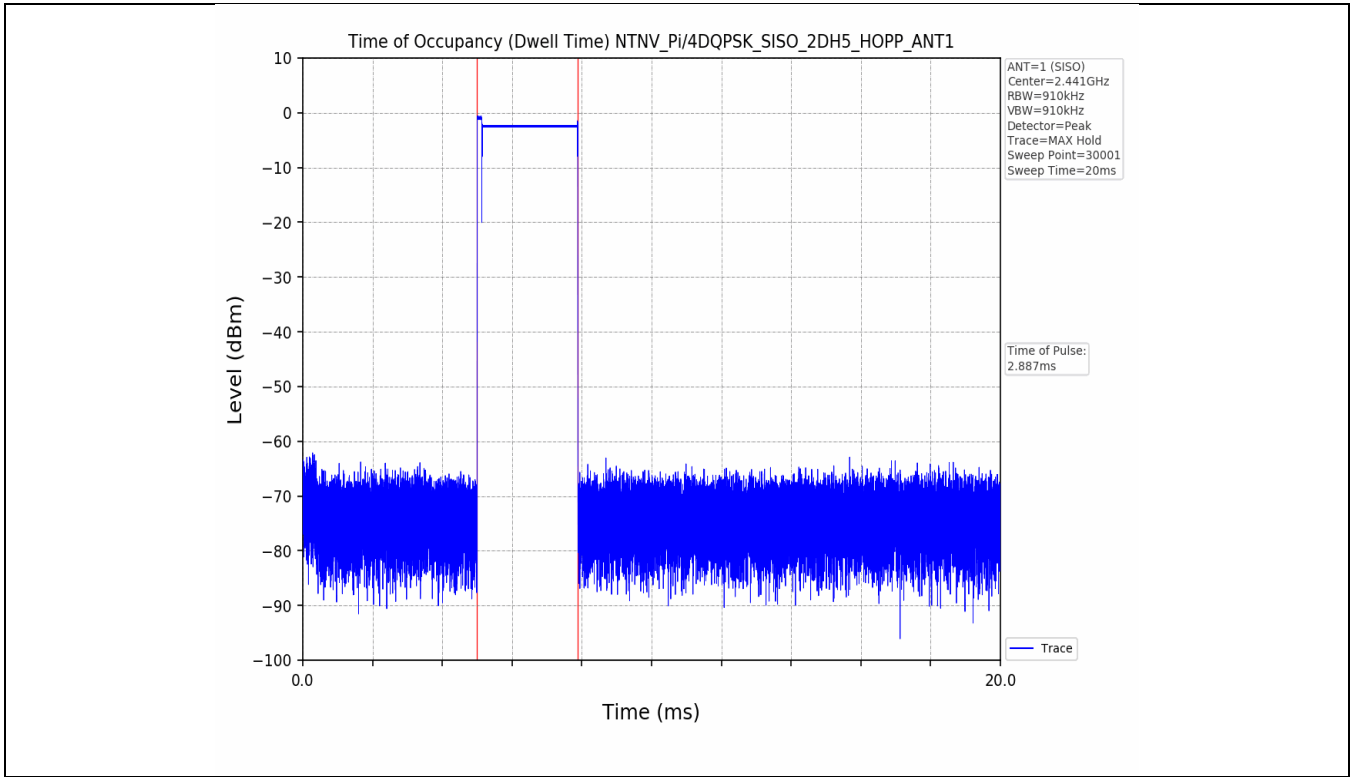


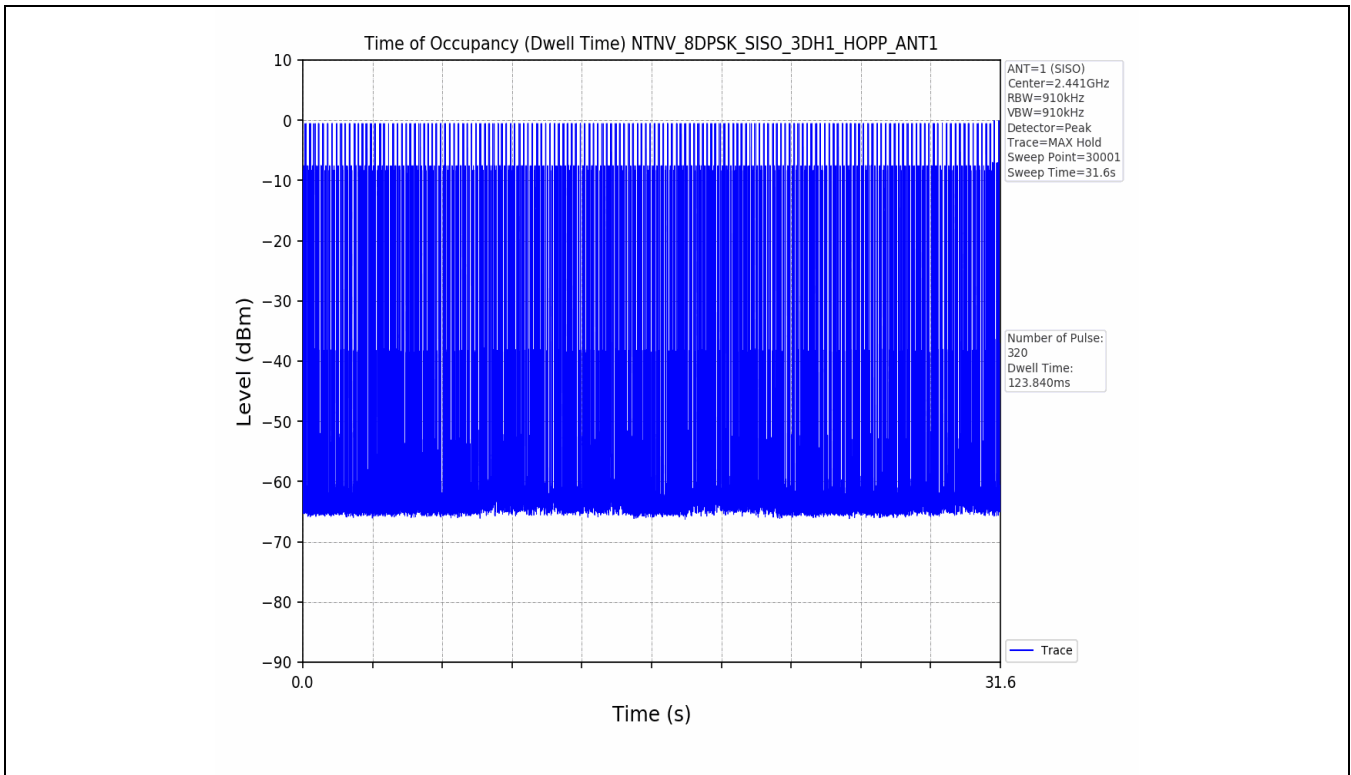
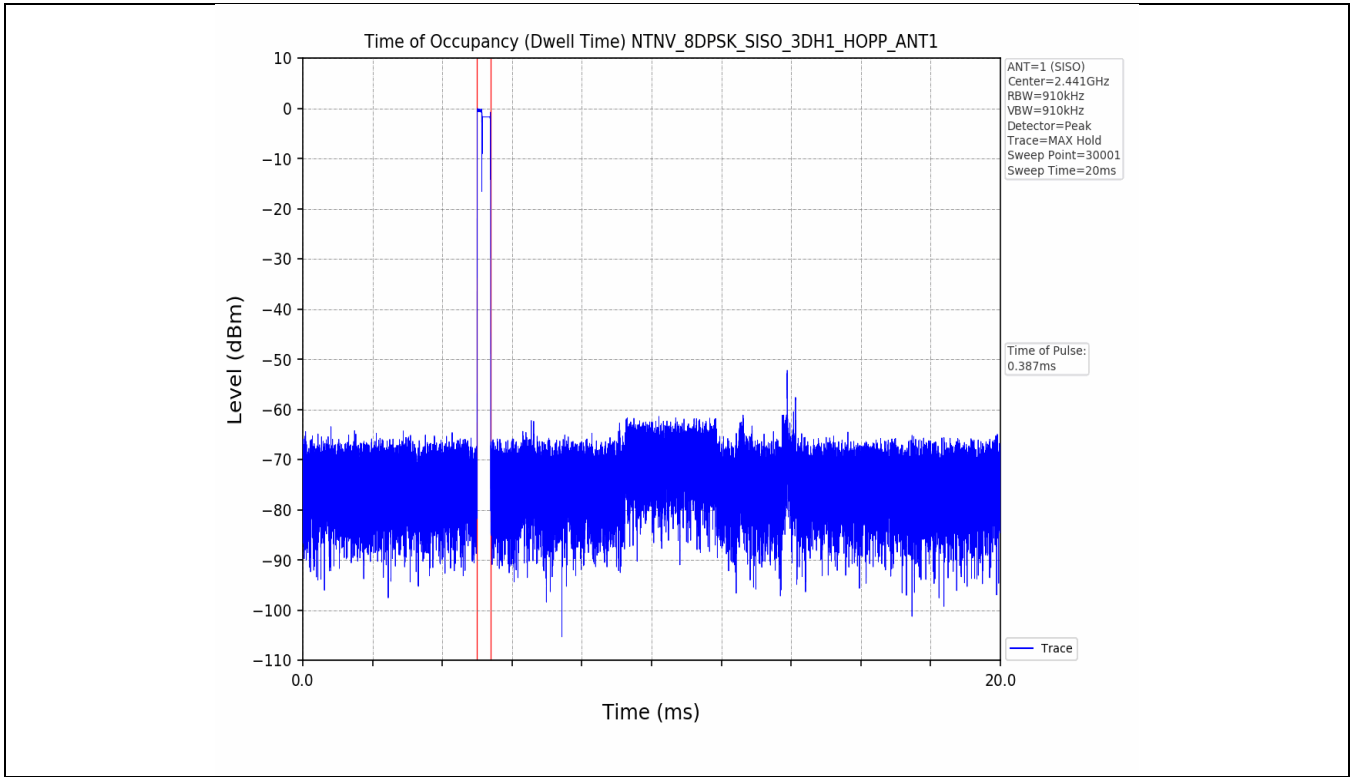


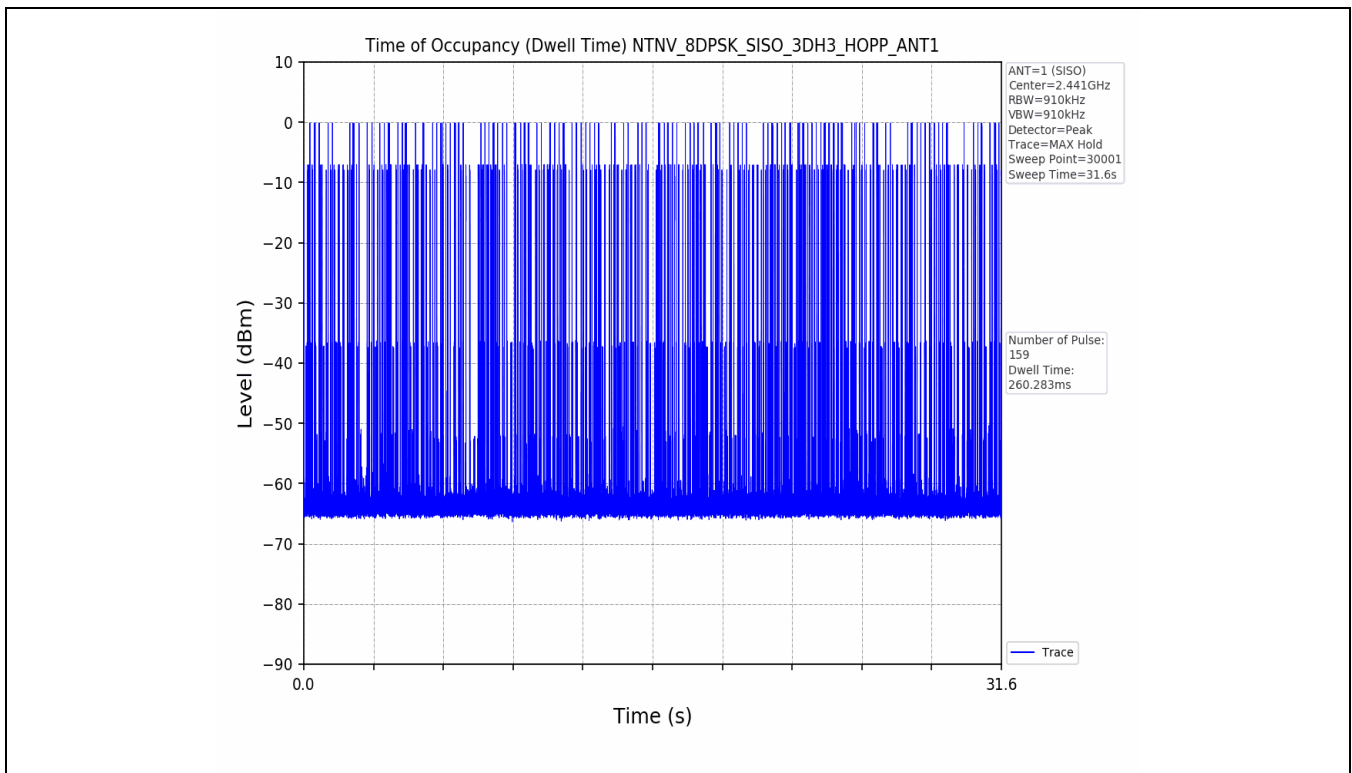
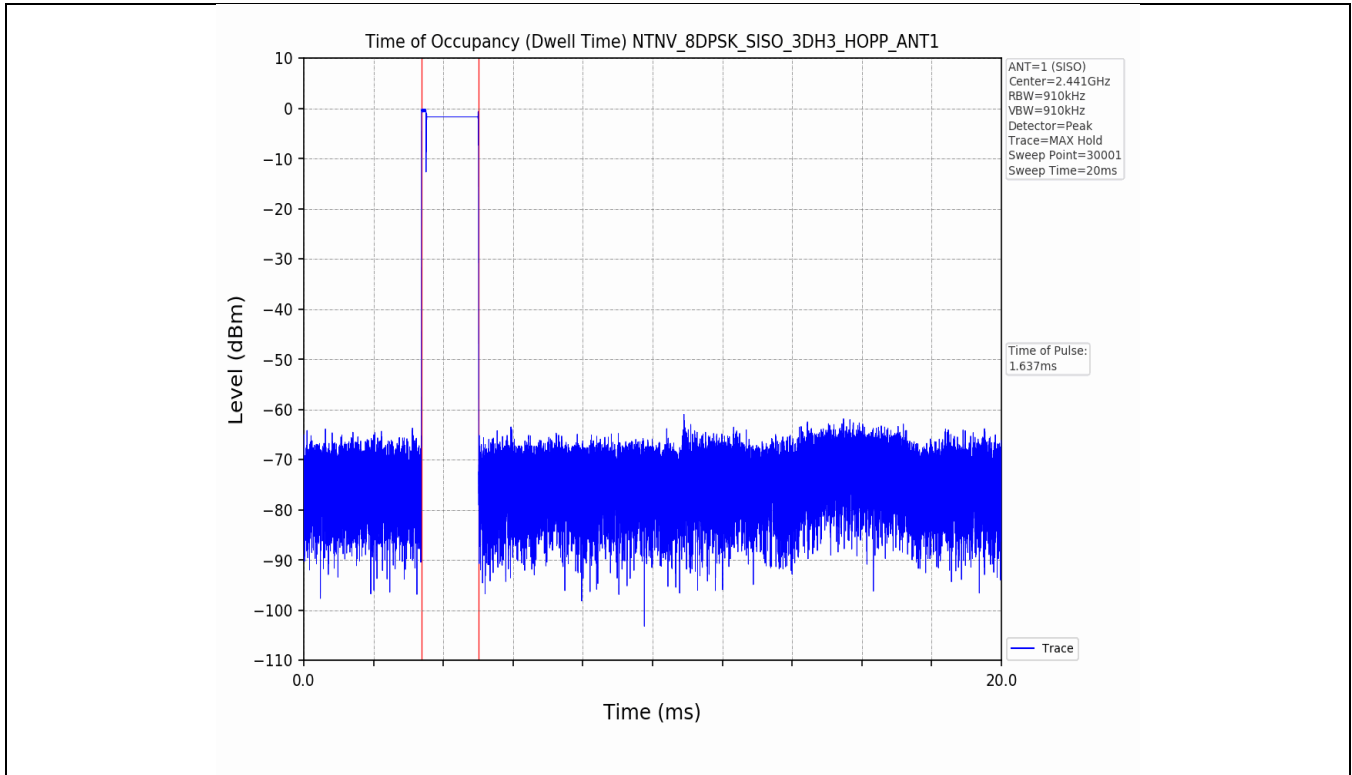


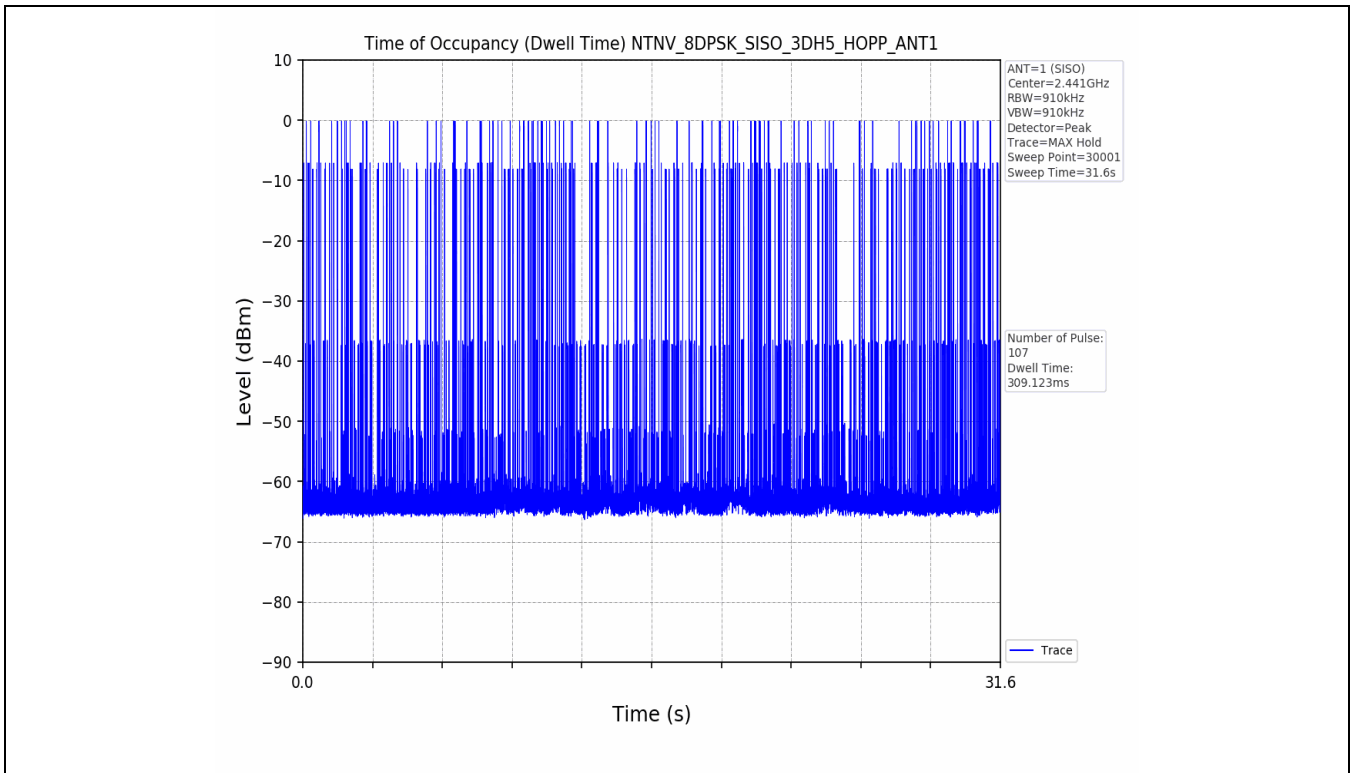
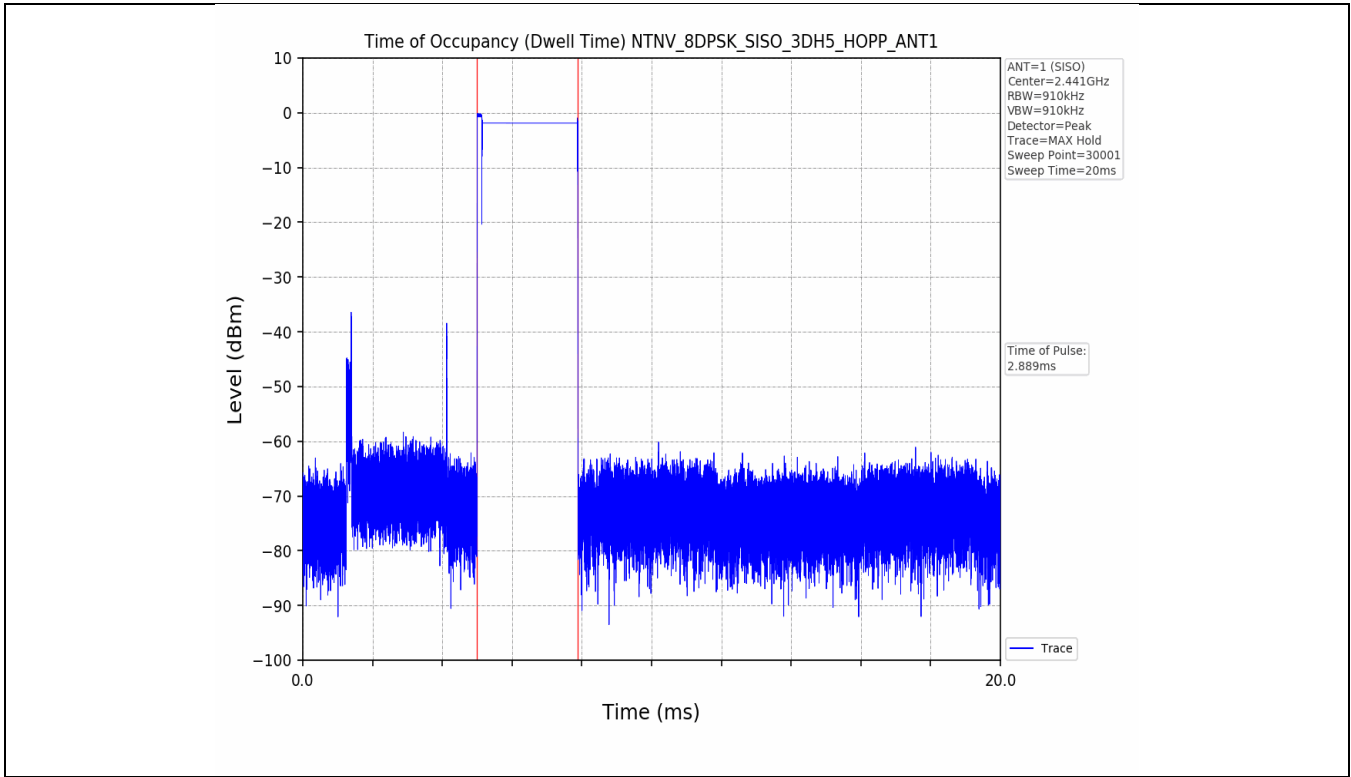










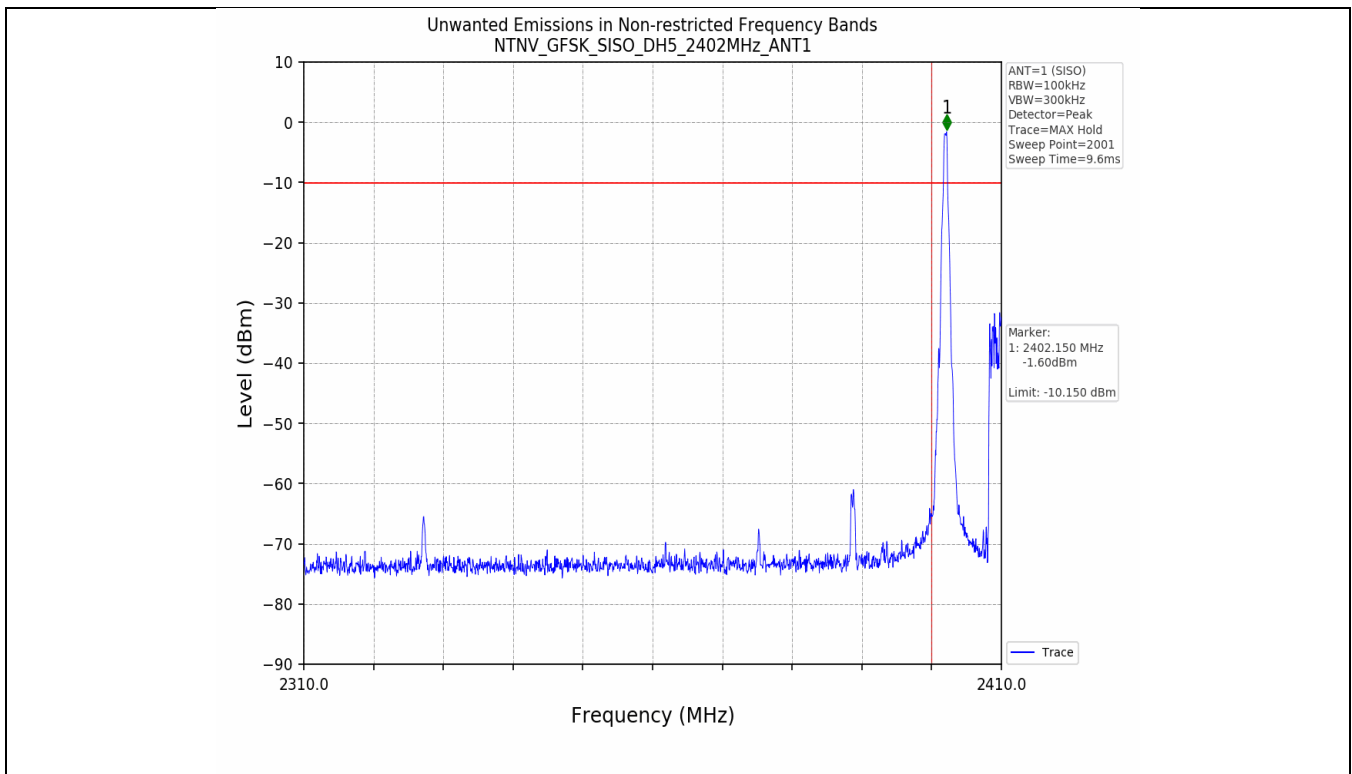
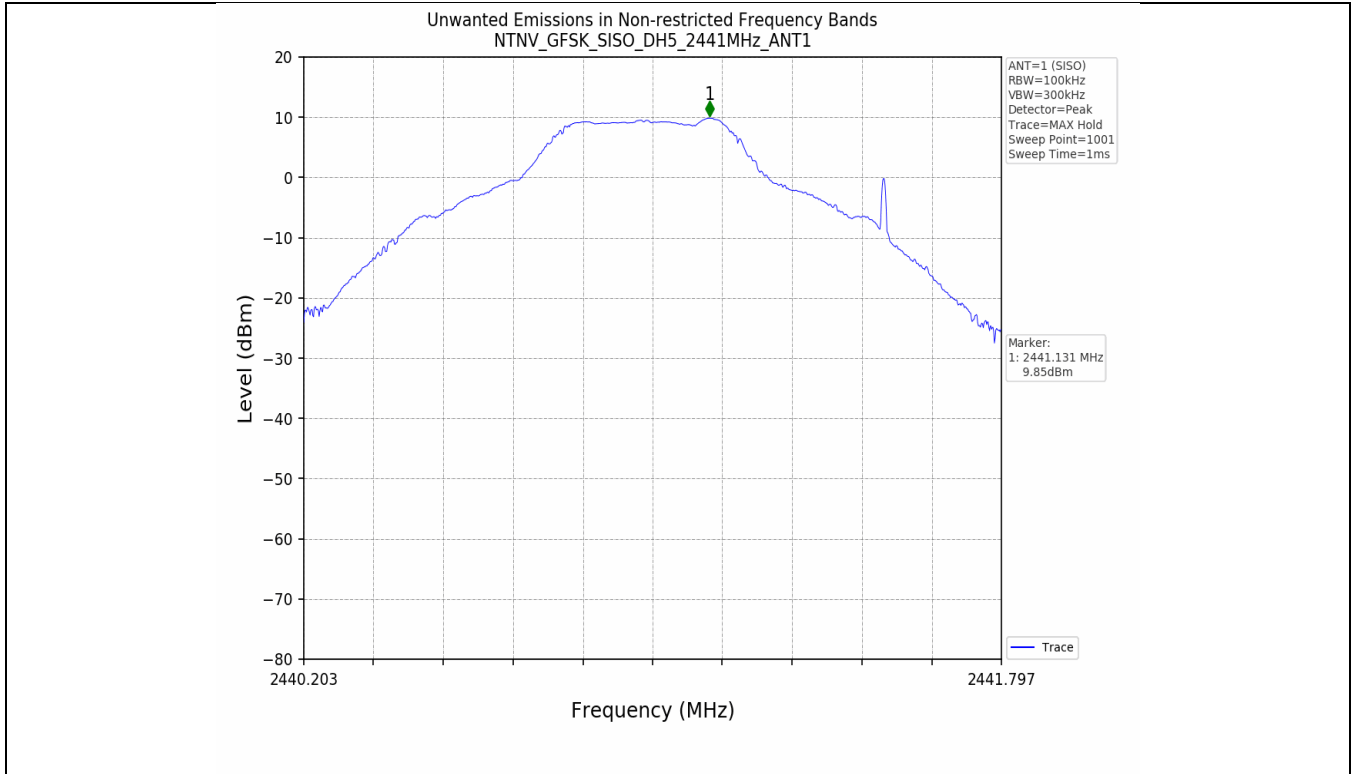


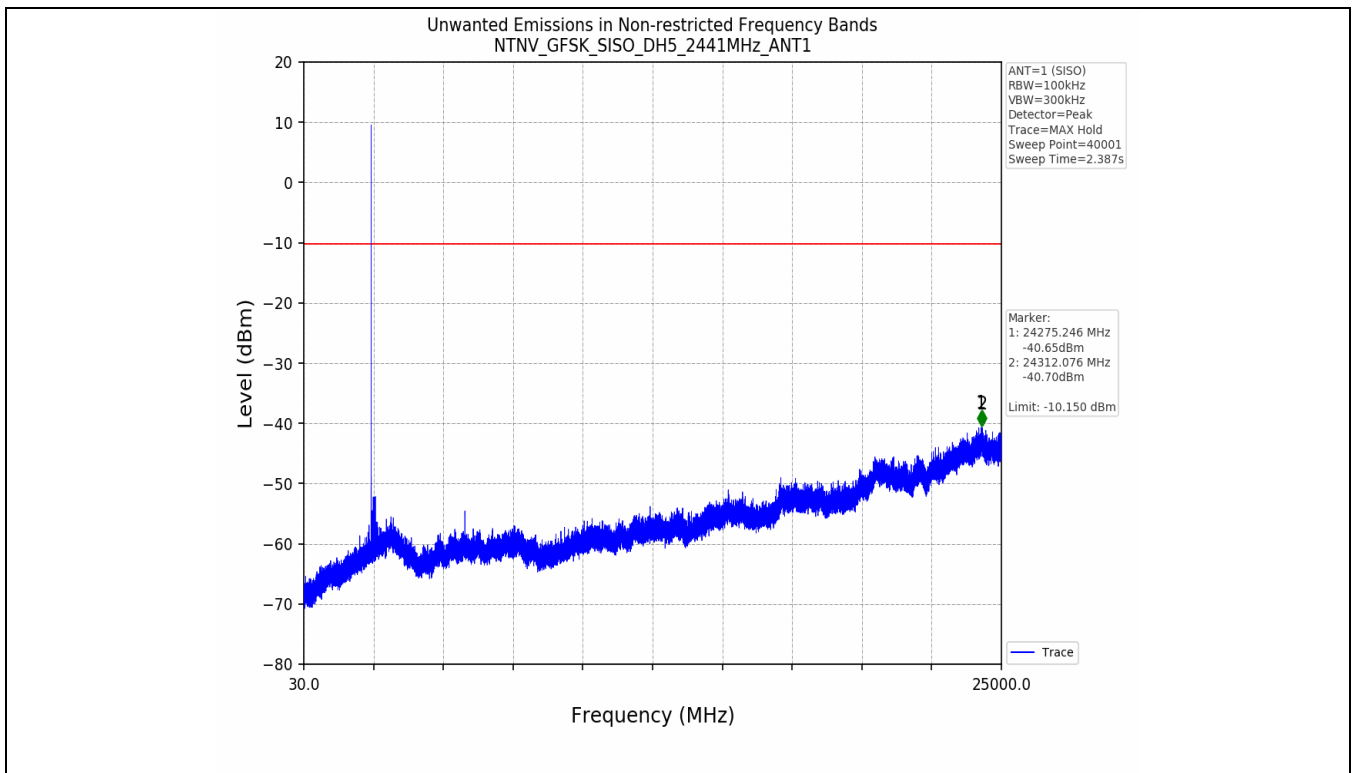
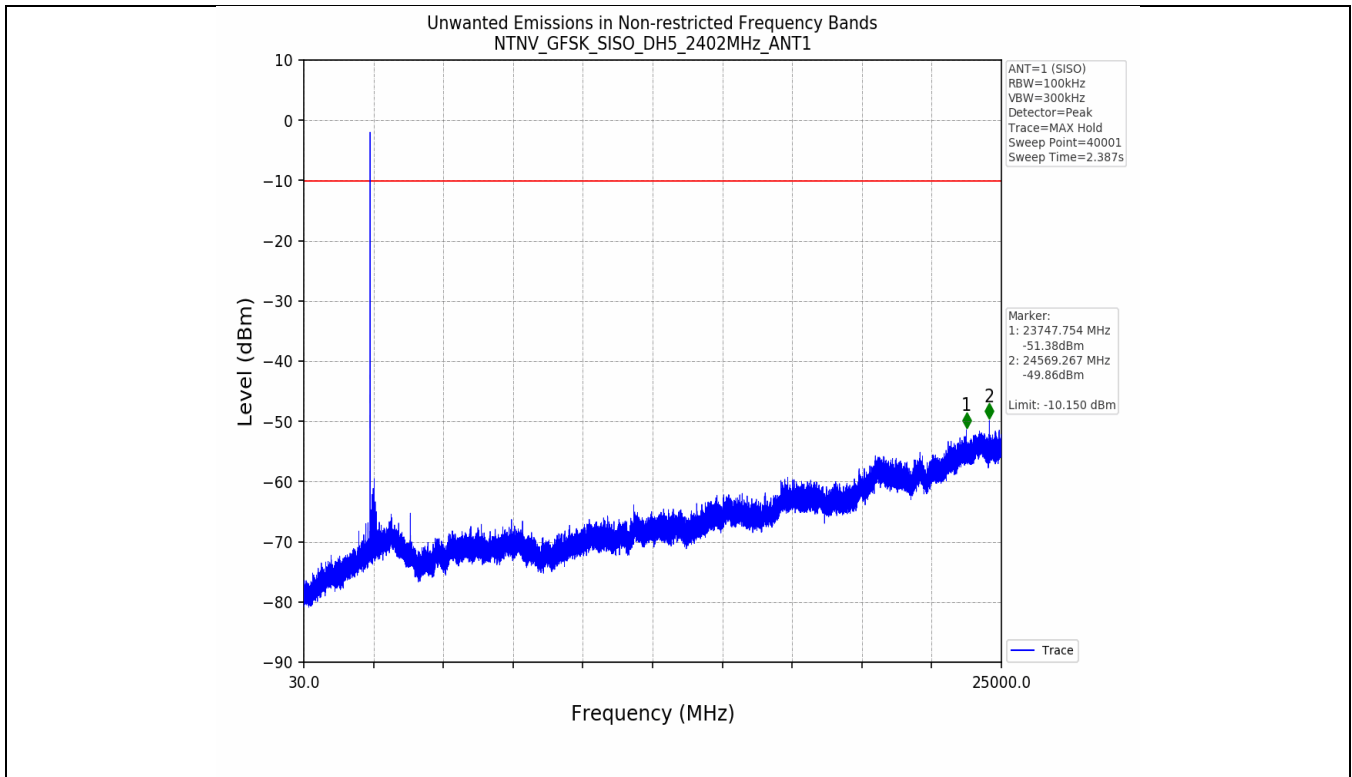
6. Unwanted Emissions in Non-restricted Frequency Bands

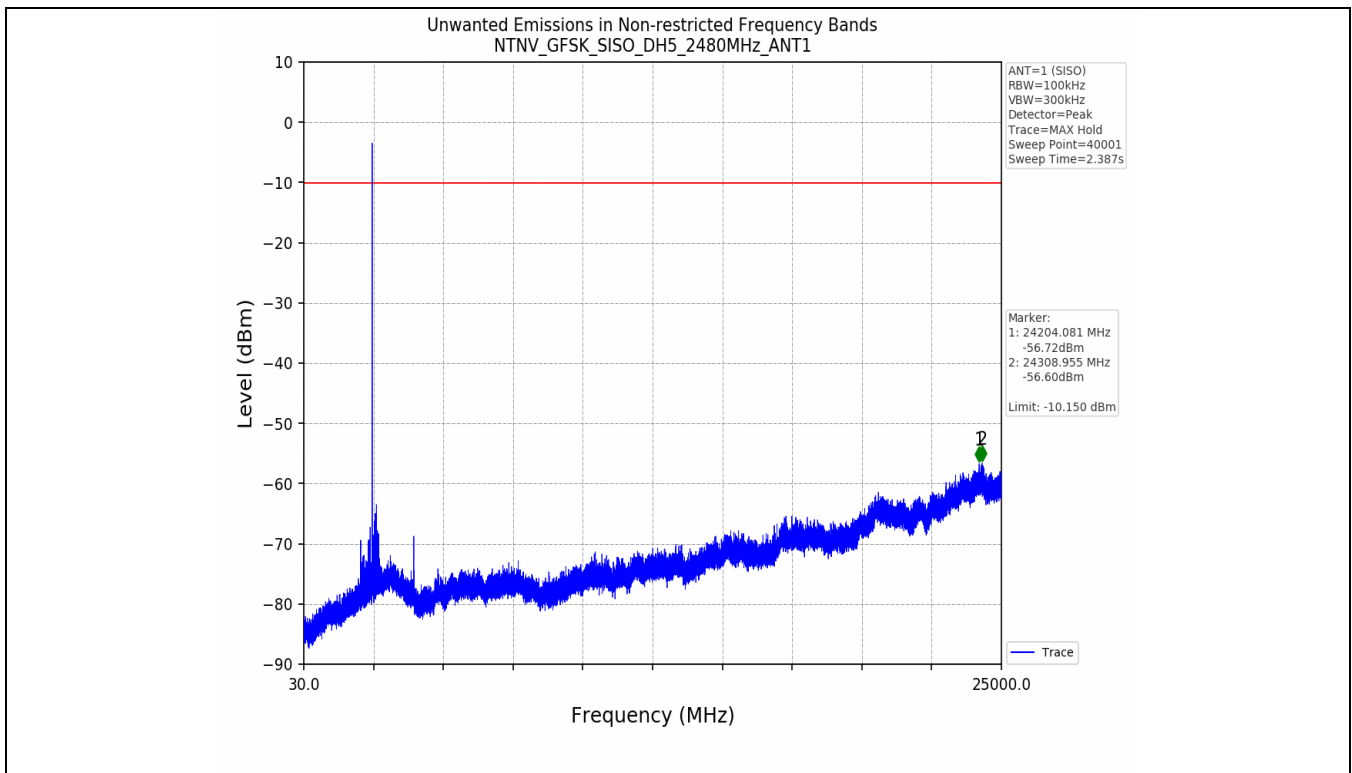
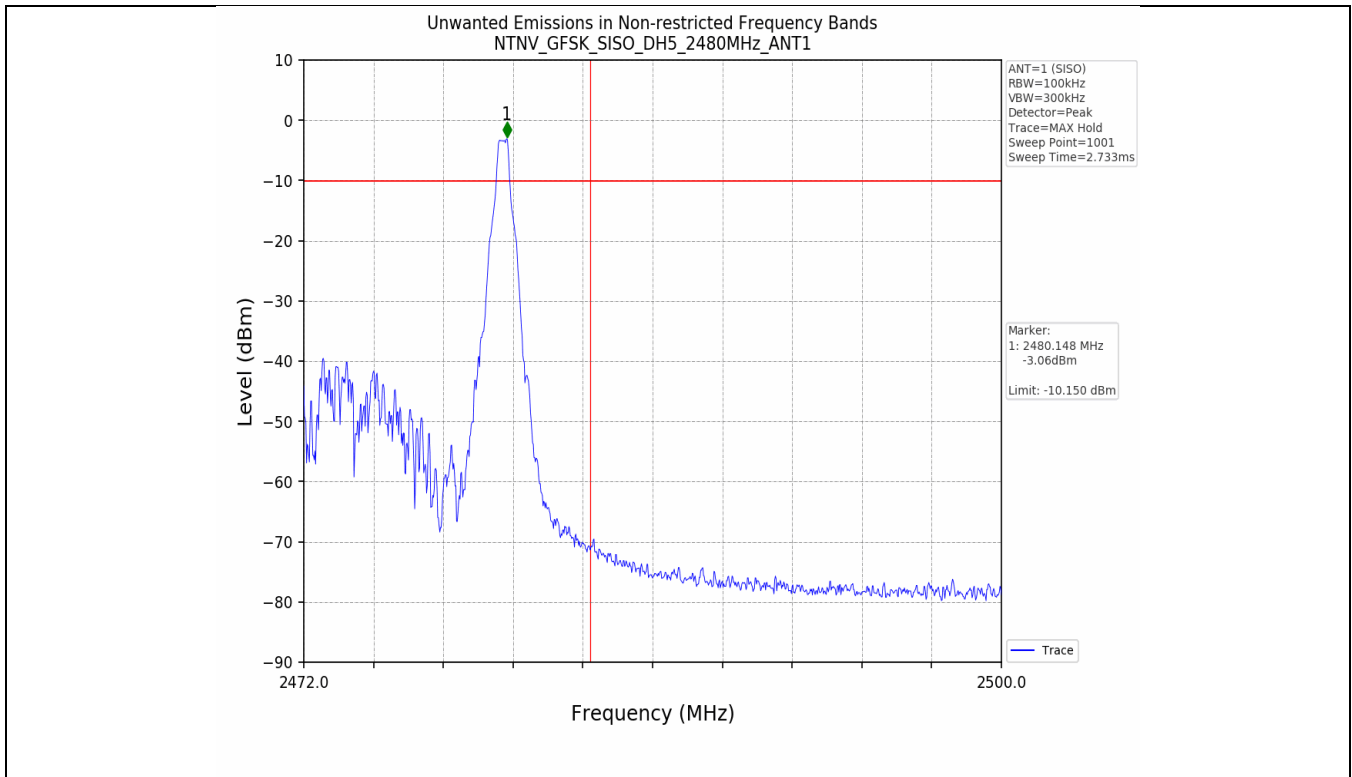
6.1 Test Result

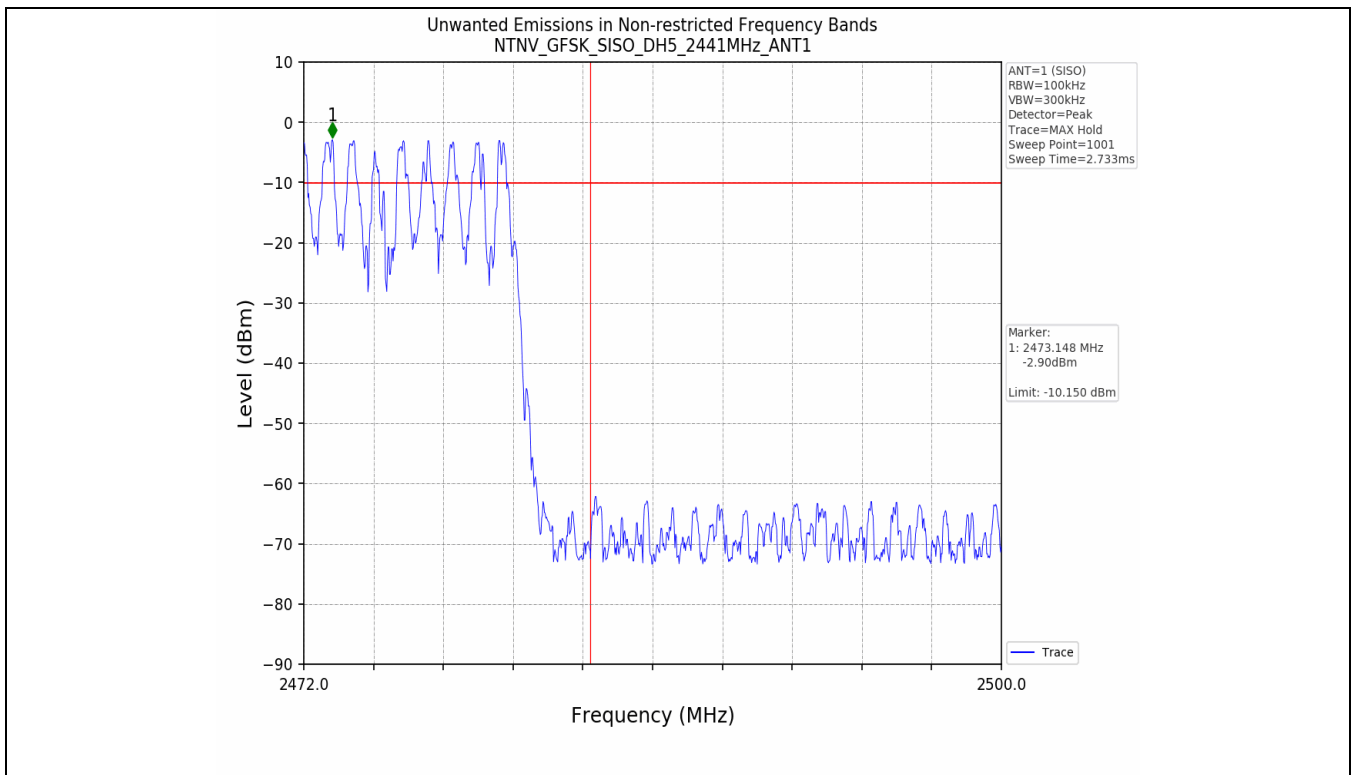
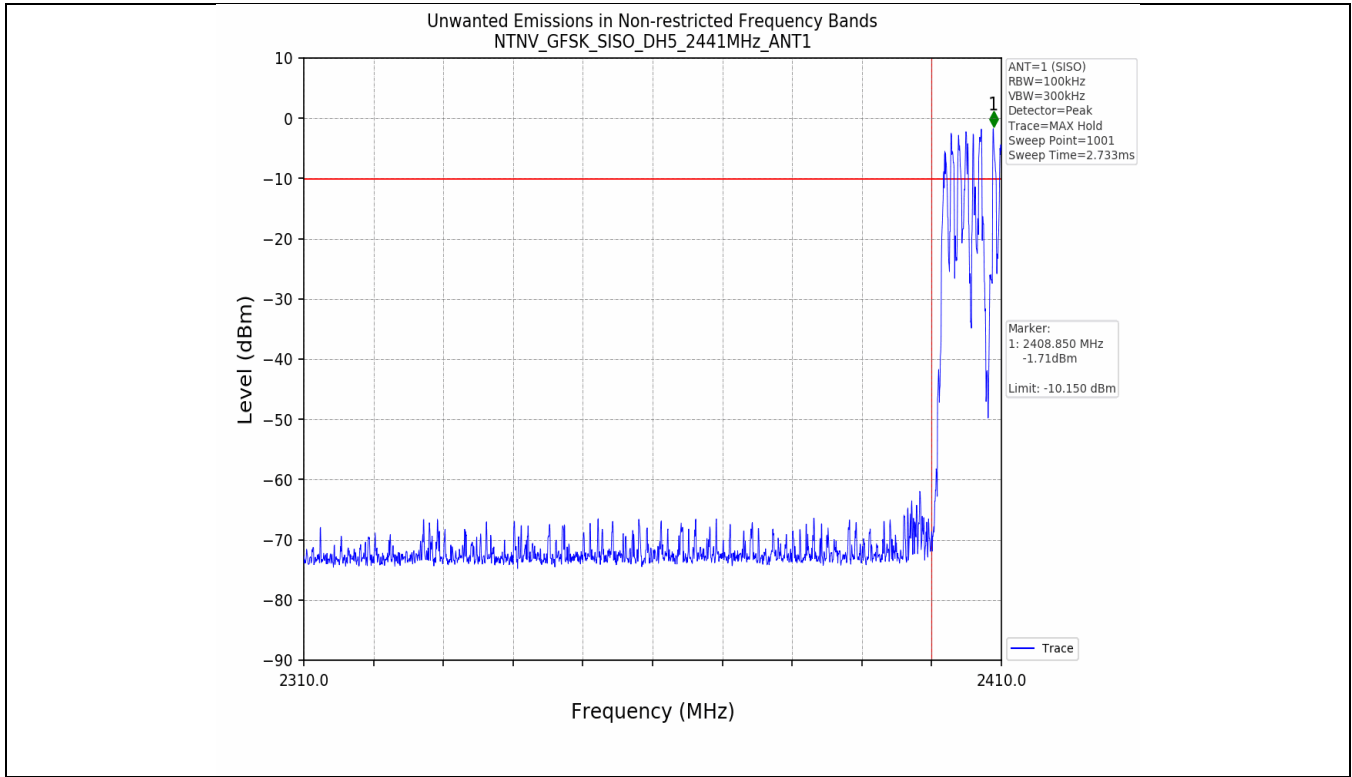
Test Mode	Frequency (MHz)	TX Type	ANT No.	Spurious Conducted Emission (dBm)	Limits (dBm)	Verdict
GFSK	2402	SISO	1	Refer to test graph	-10.15	PASS
	2441	SISO	1	Refer to test graph	-10.15	PASS
	2480	SISO	1	Refer to test graph	-10.15	PASS
	Hopping	SISO	1	Refer to test graph	-10.15	PASS
$\pi/4$ -DQPSK	2402	SISO	1	Refer to test graph	-13.89	PASS
	2441	SISO	1	Refer to test graph	-13.89	PASS
	2480	SISO	1	Refer to test graph	-13.89	PASS
	Hopping	SISO	1	Refer to test graph	-13.89	PASS
8-DPSK	2402	SISO	1	Refer to test graph	-13.54	PASS
	2441	SISO	1	Refer to test graph	-13.54	PASS
	2480	SISO	1	Refer to test graph	-13.54	PASS
	Hopping	SISO	1	Refer to test graph	-13.54	PASS

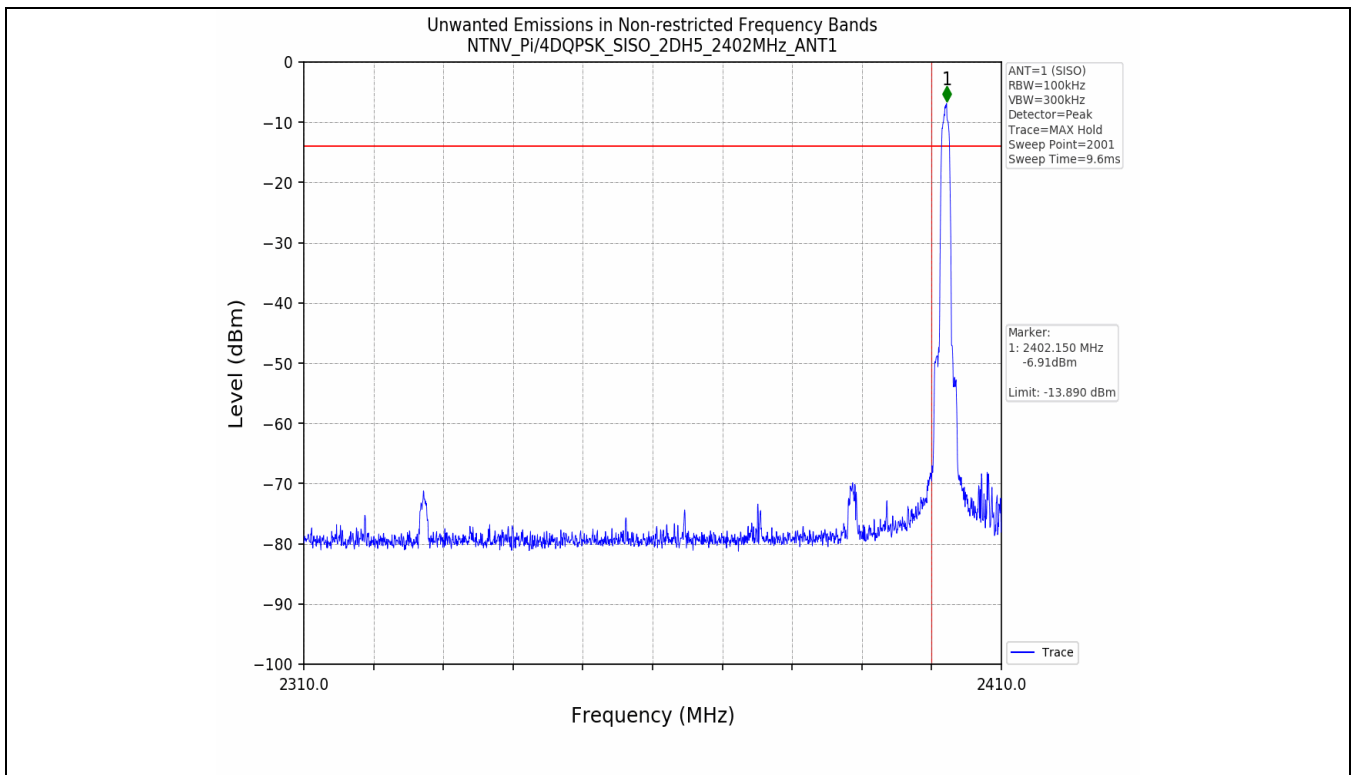
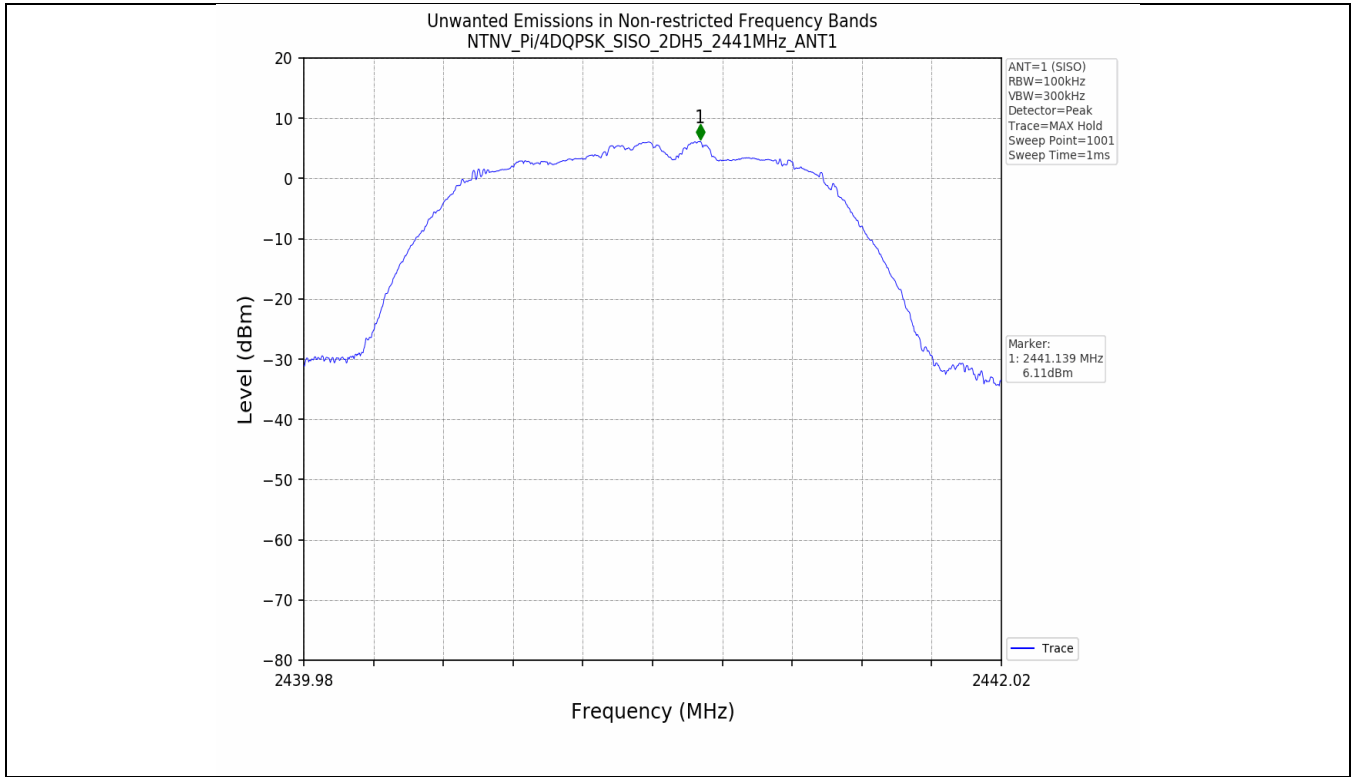
6.2 Test Graph

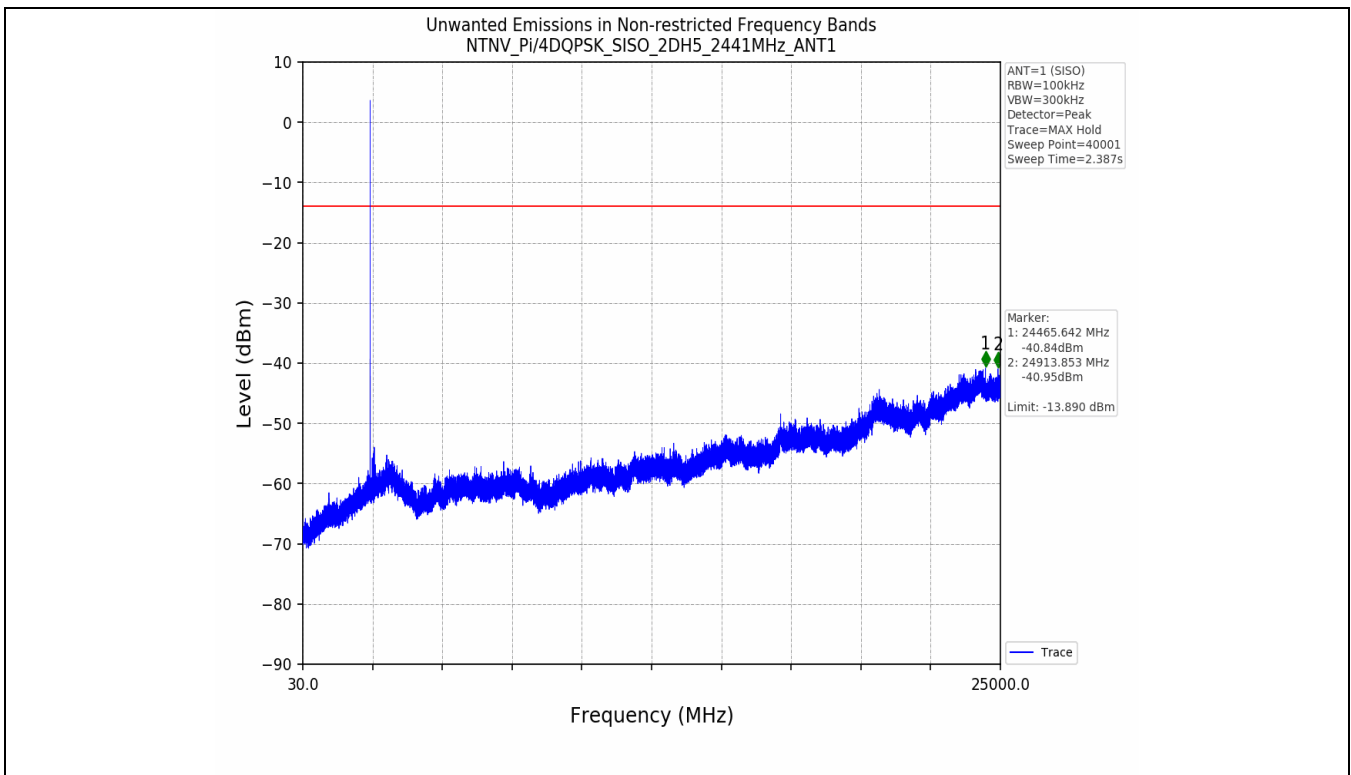
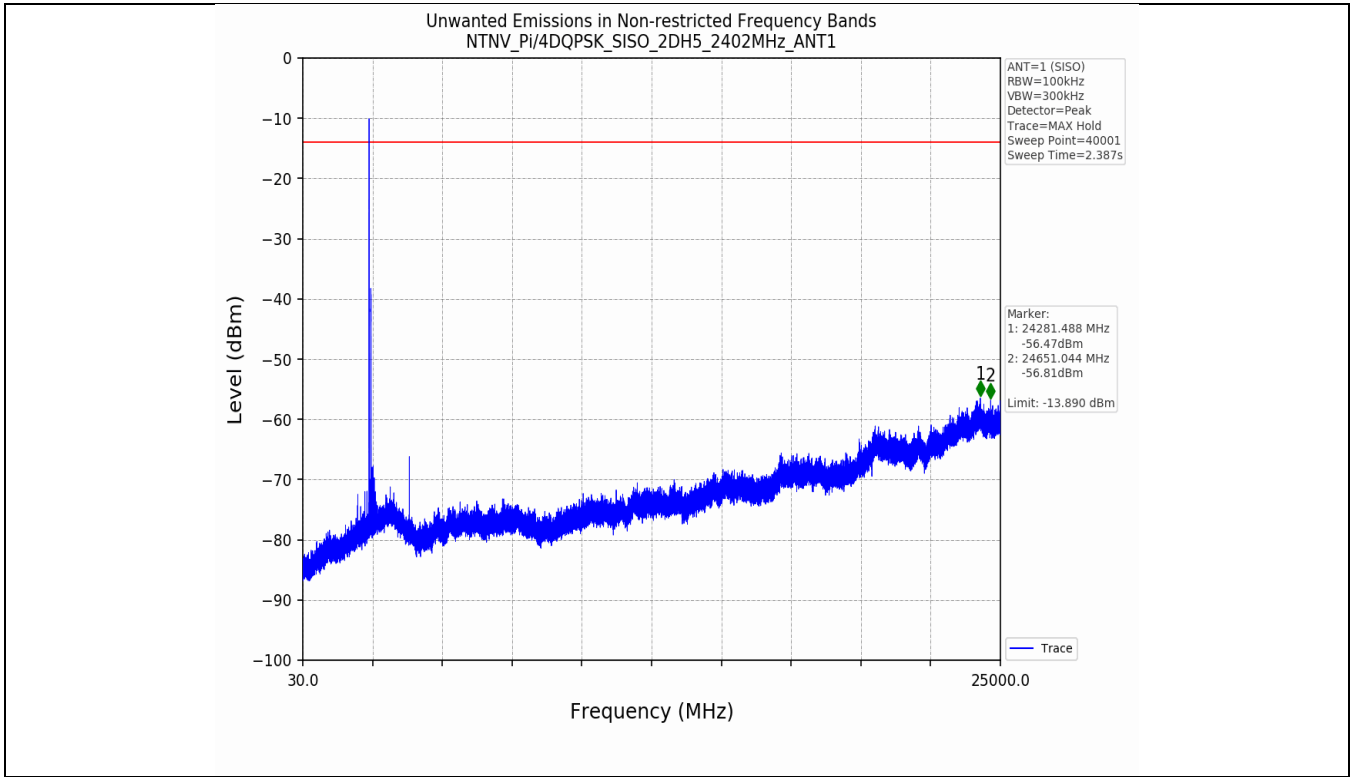


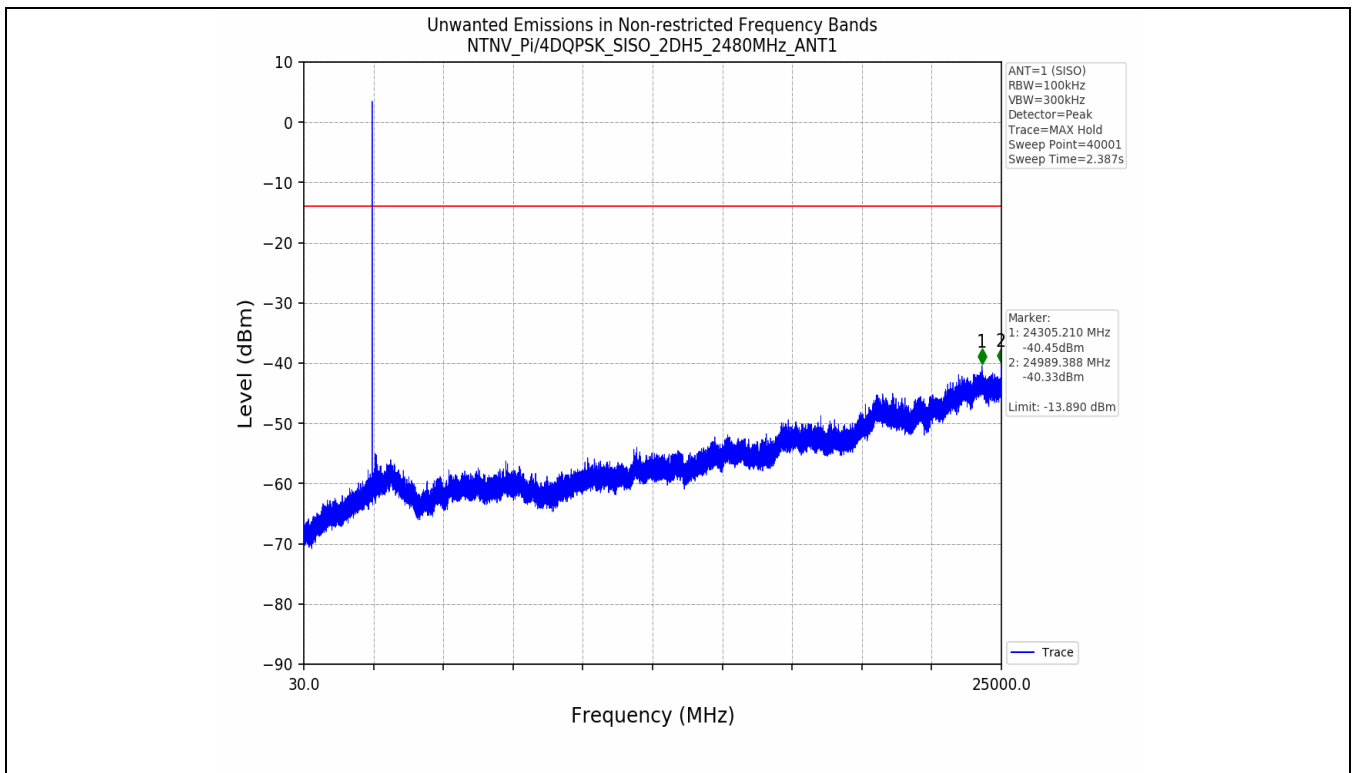
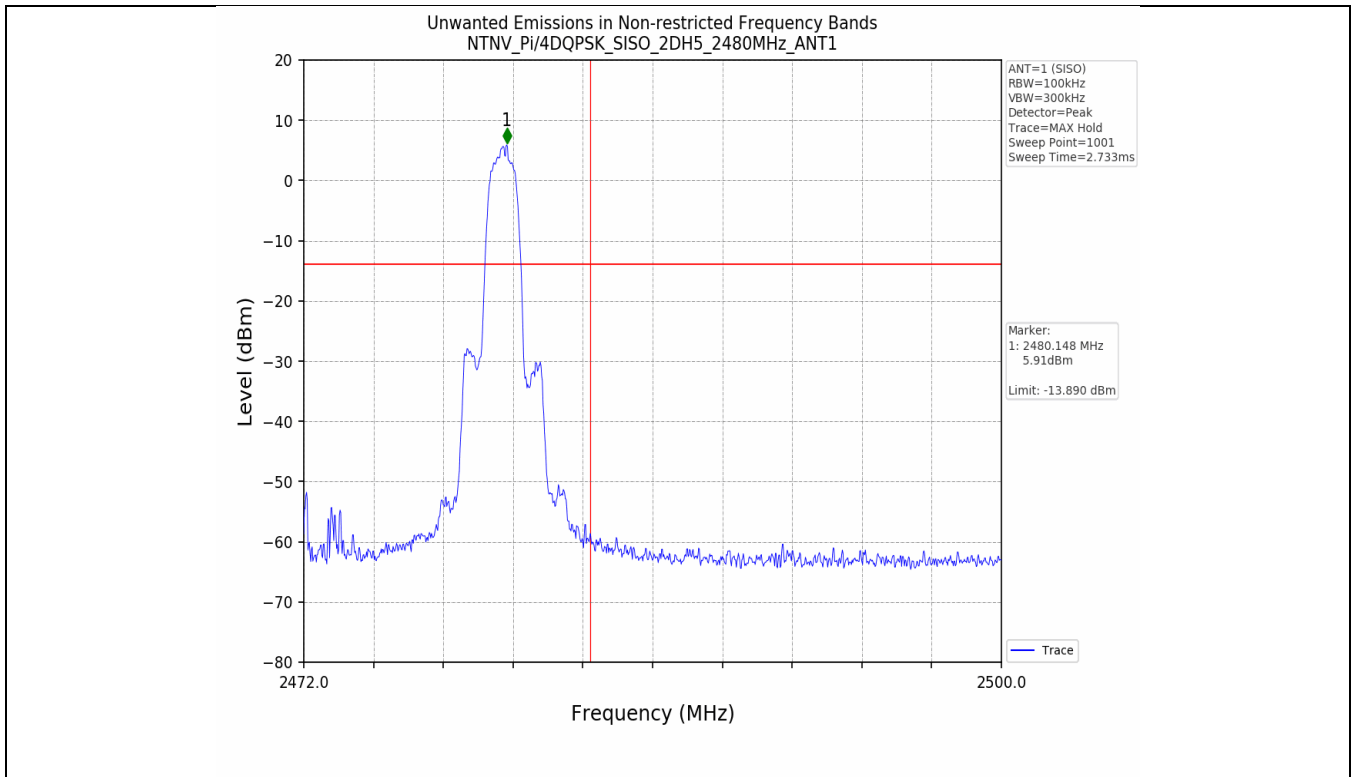


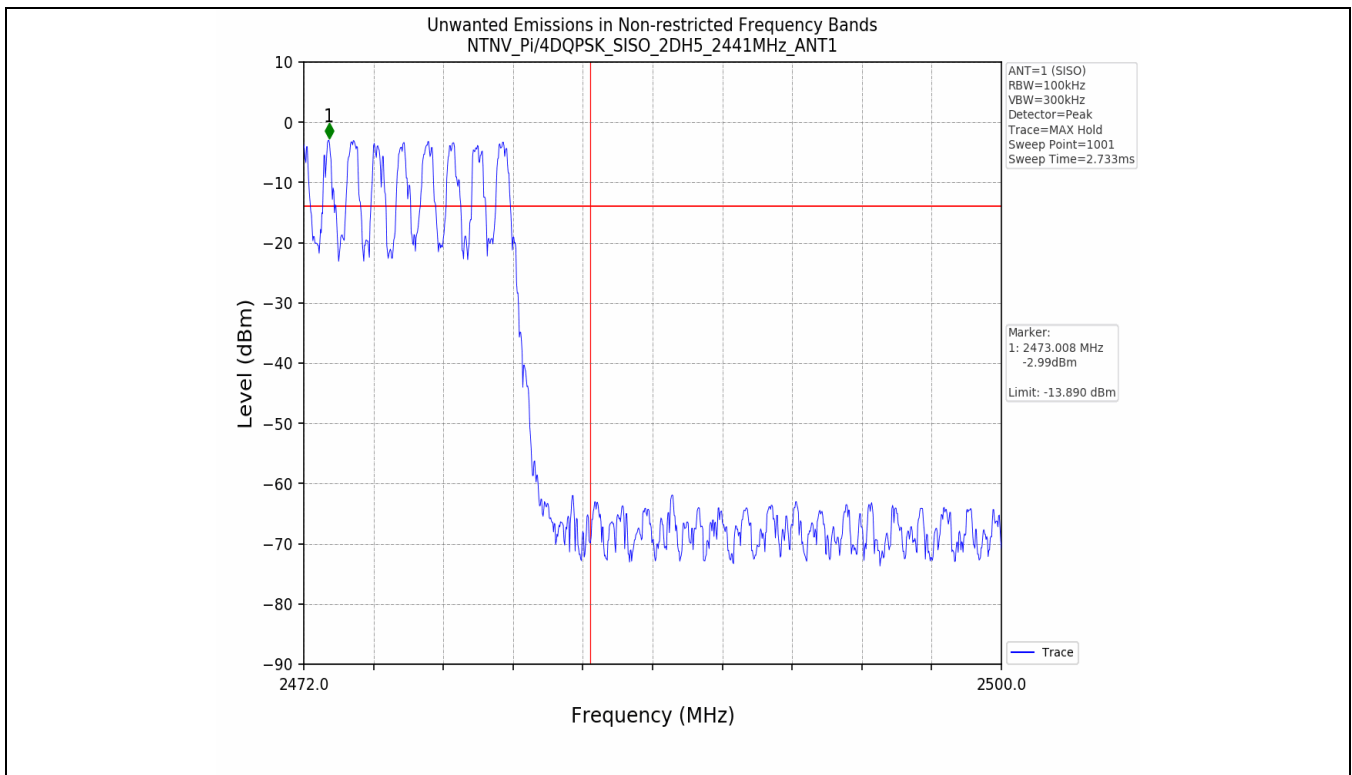
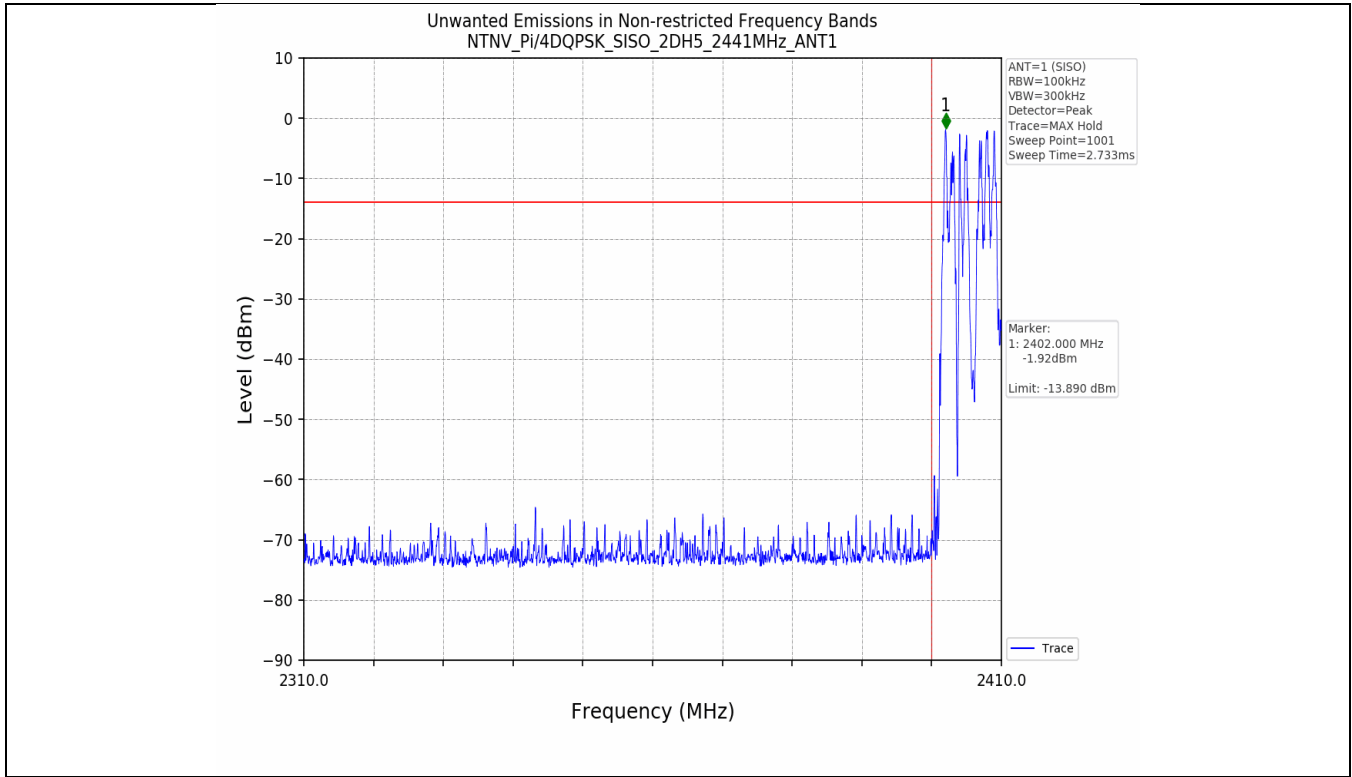


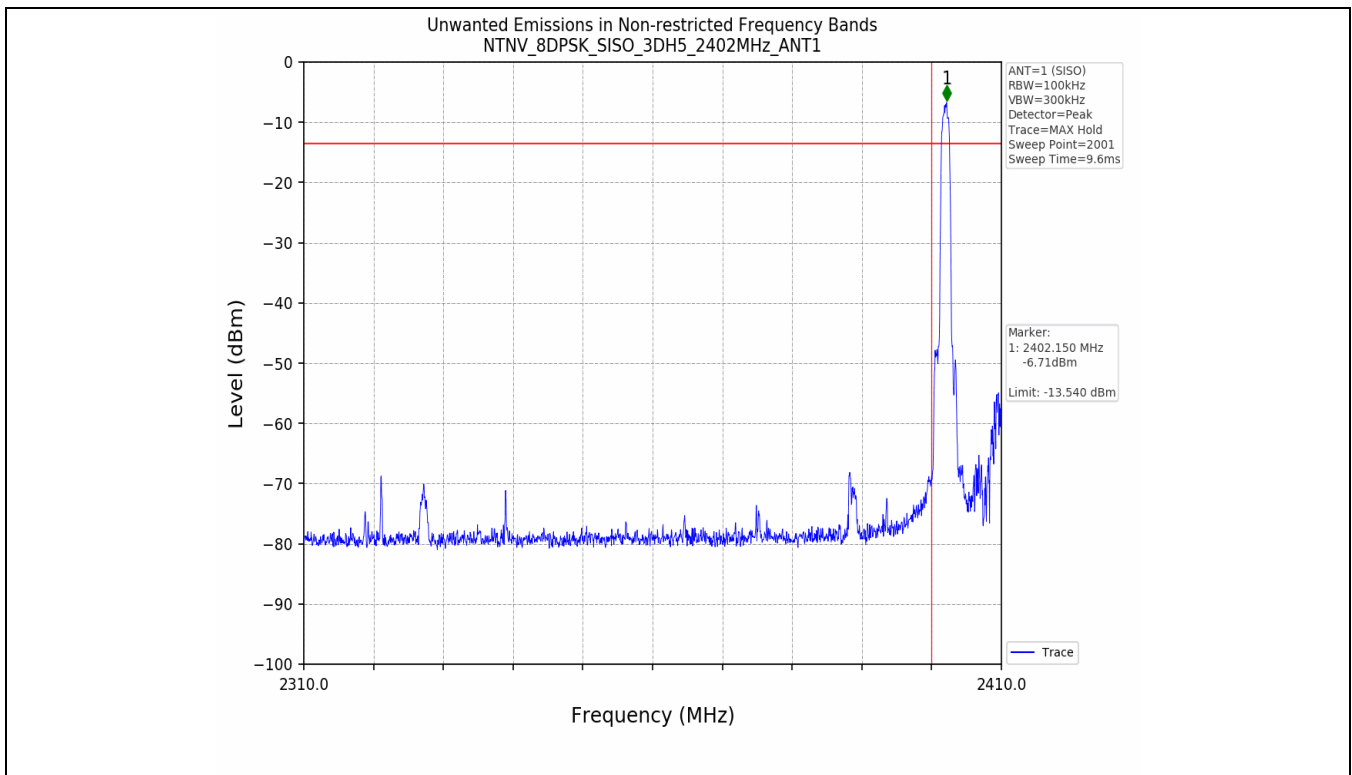
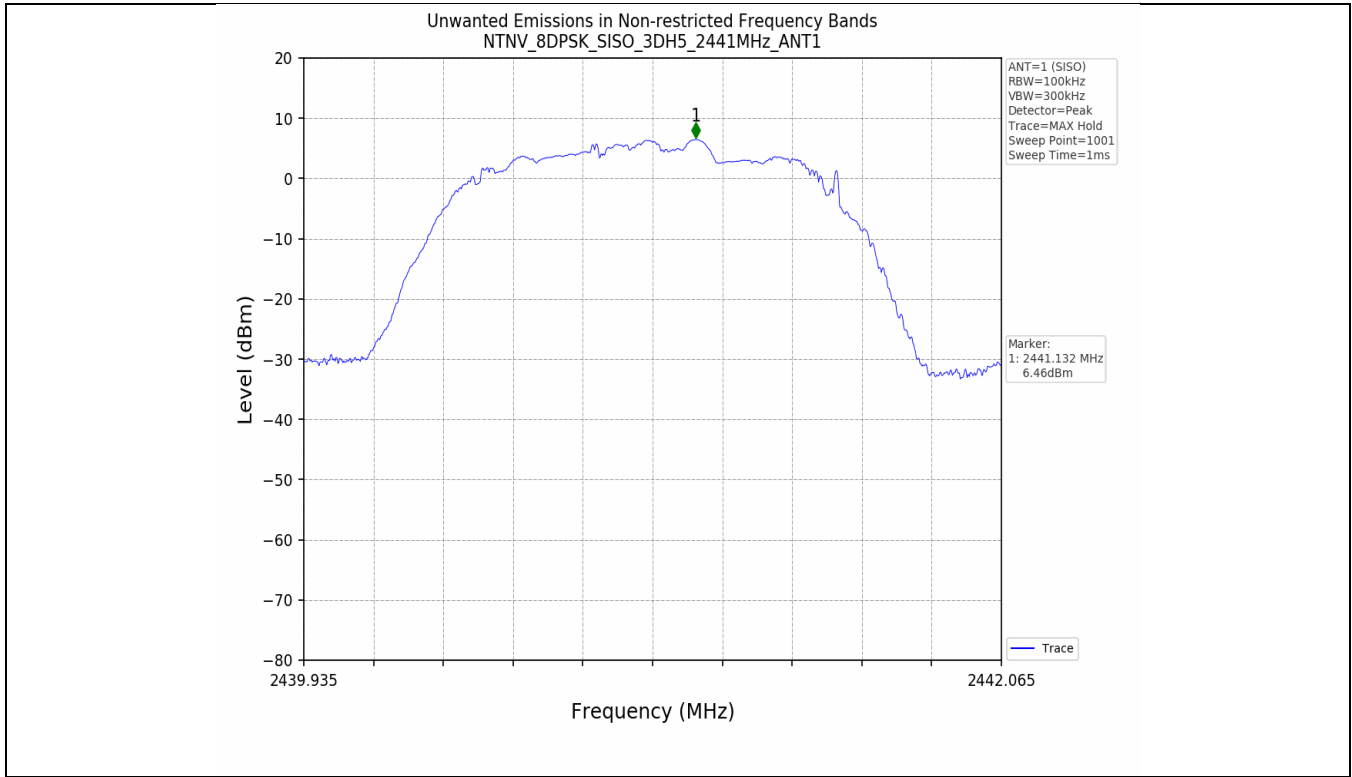


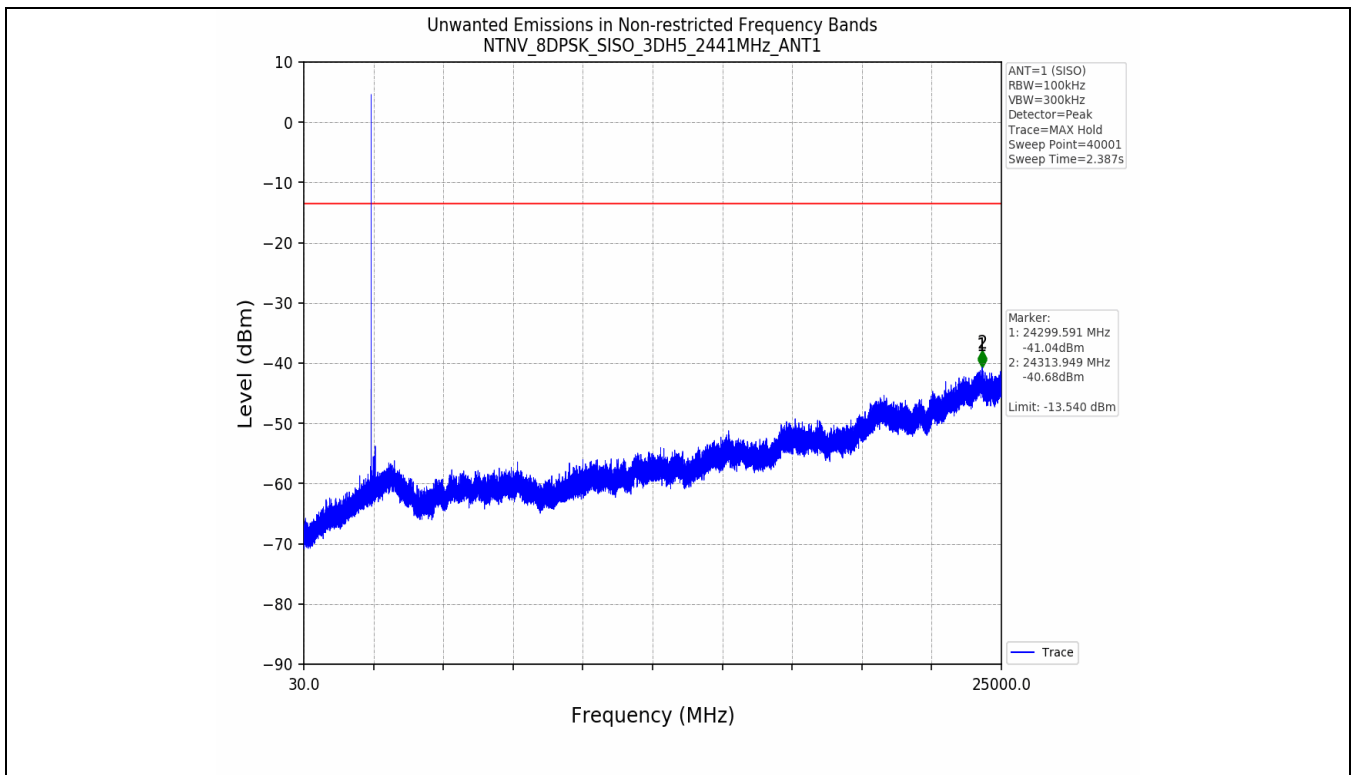
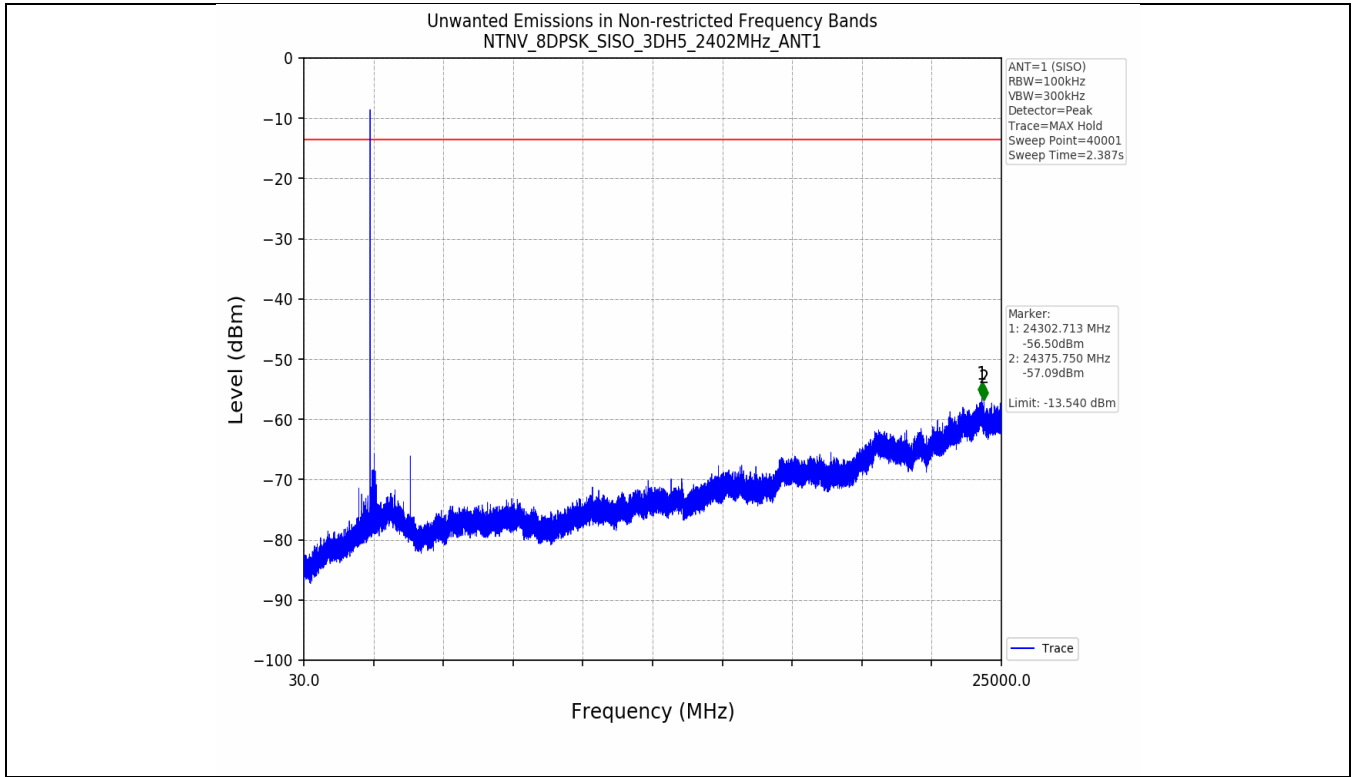


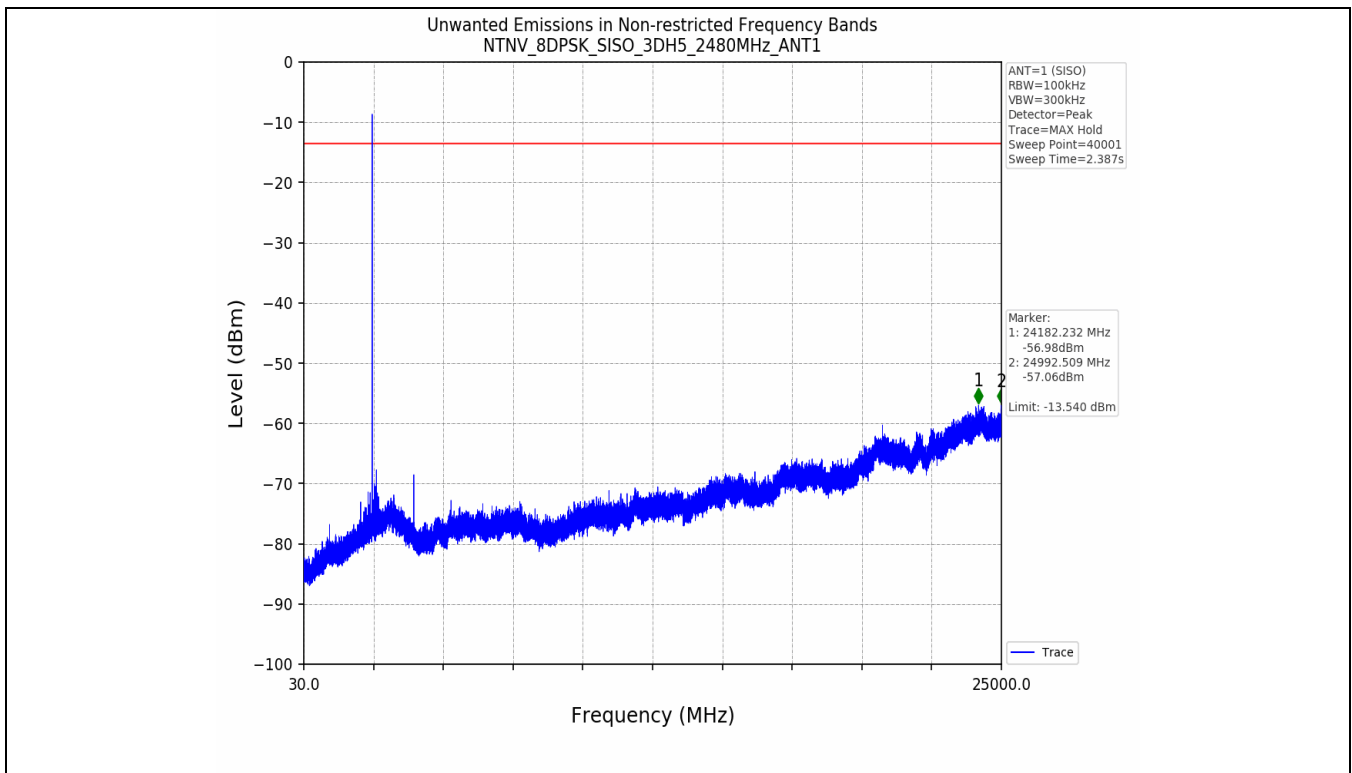
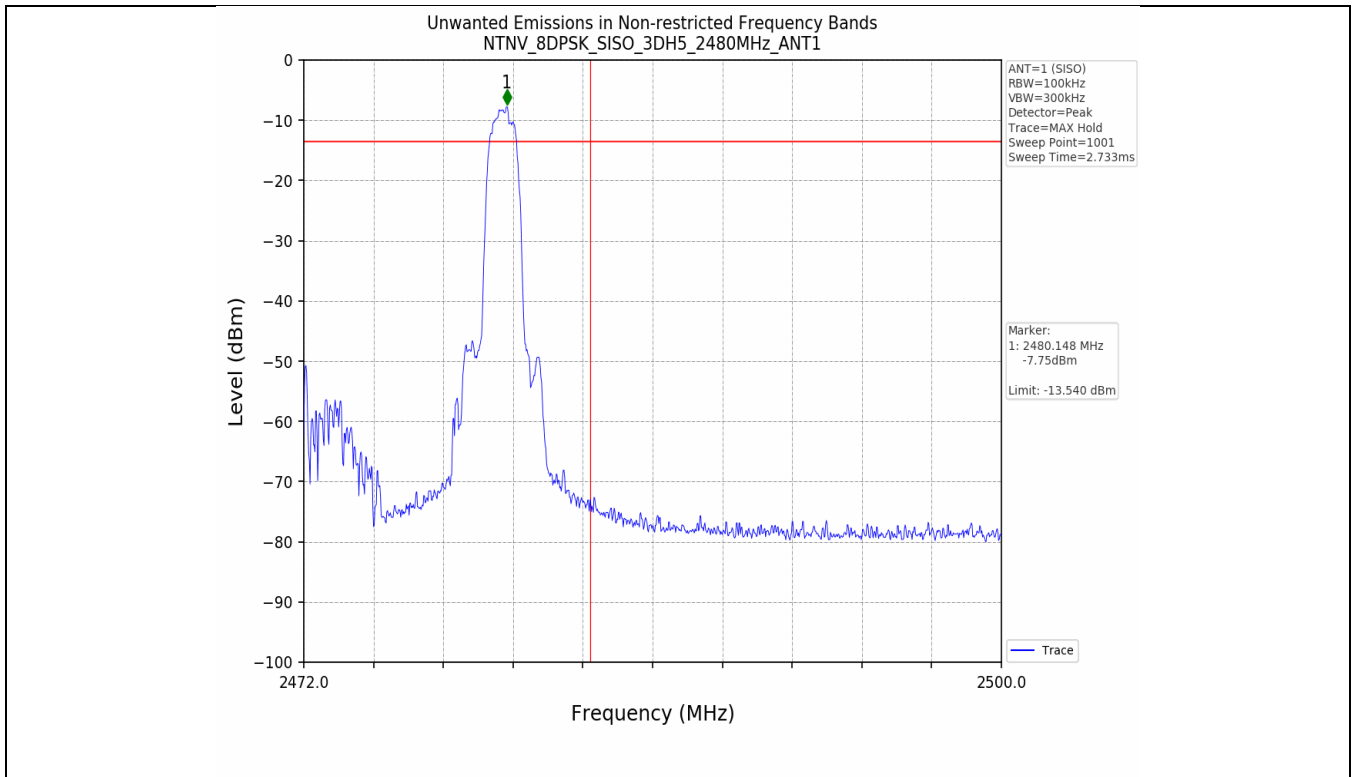


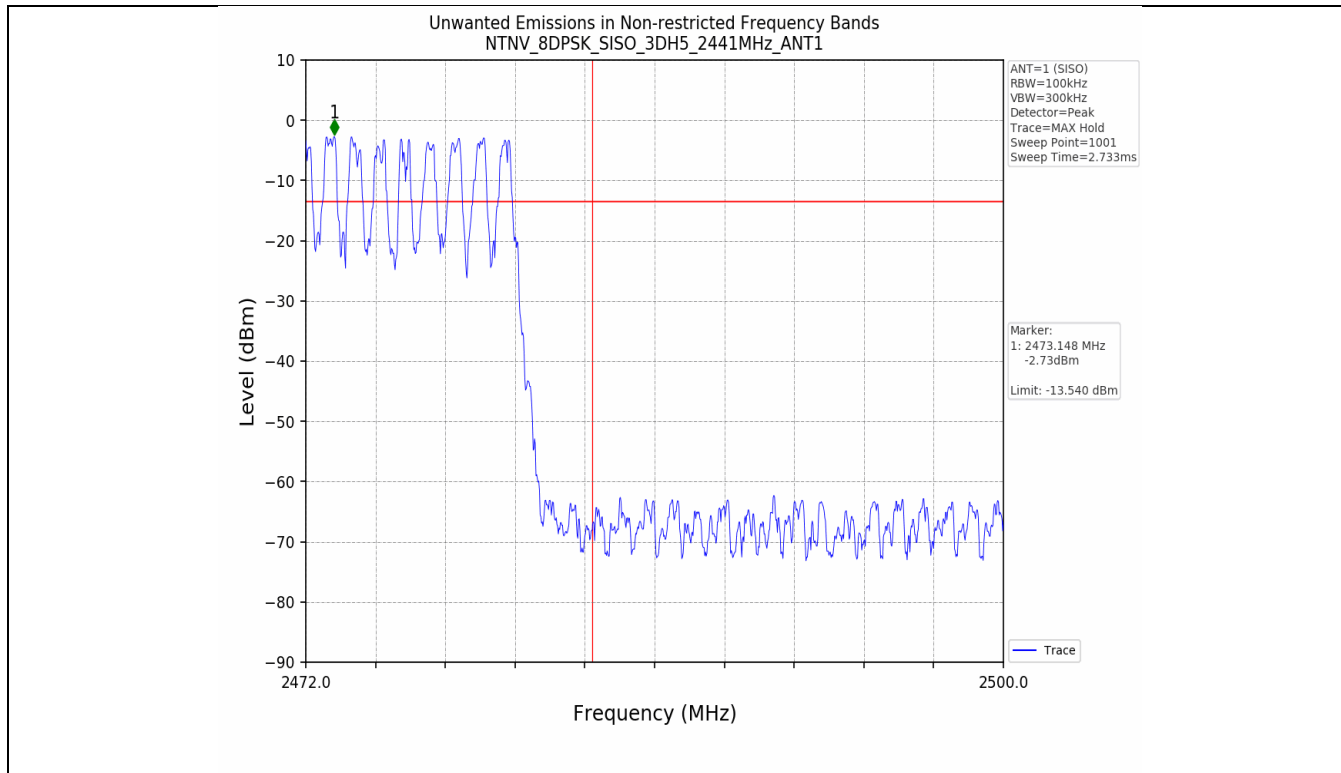
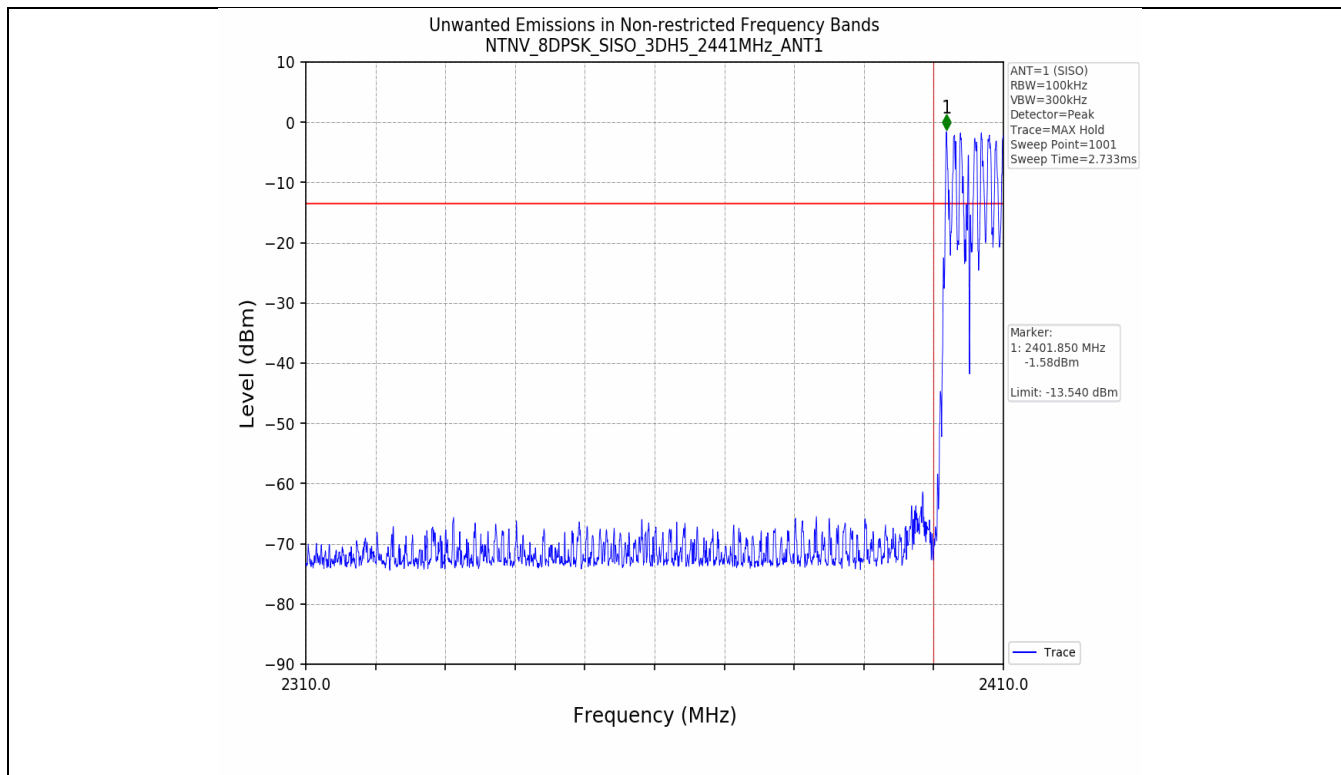












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