

Appendix for 15.247

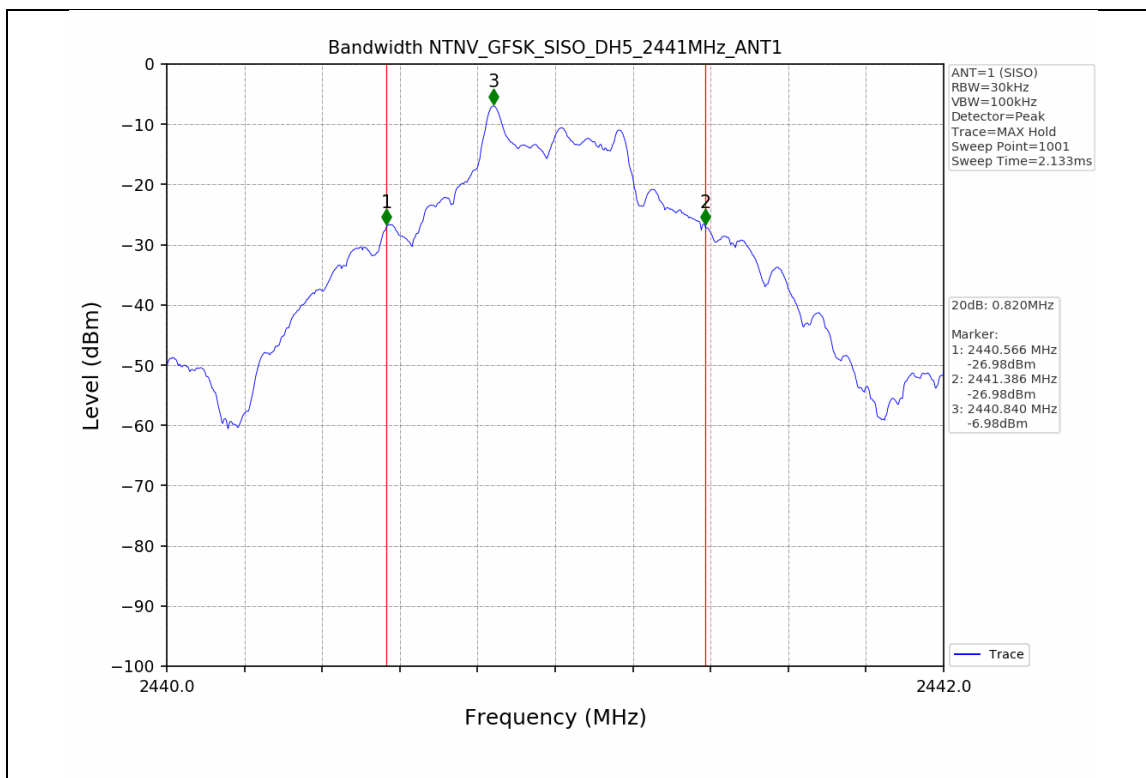
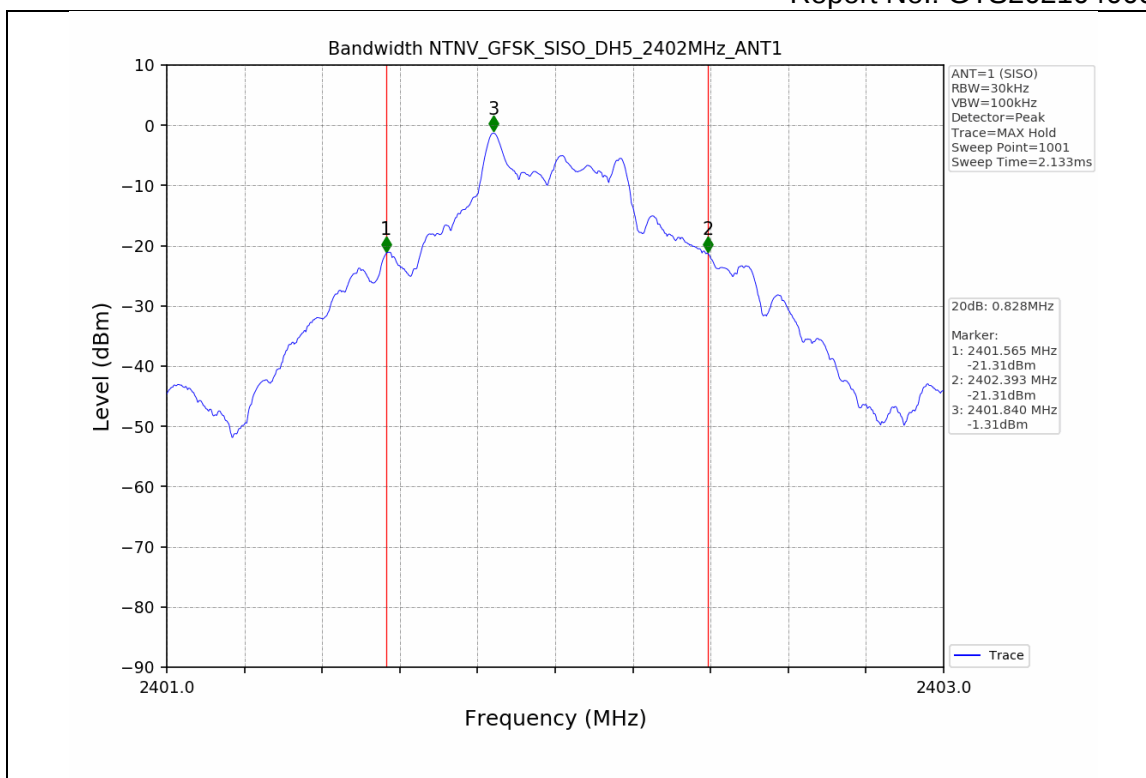
1. Bandwidth

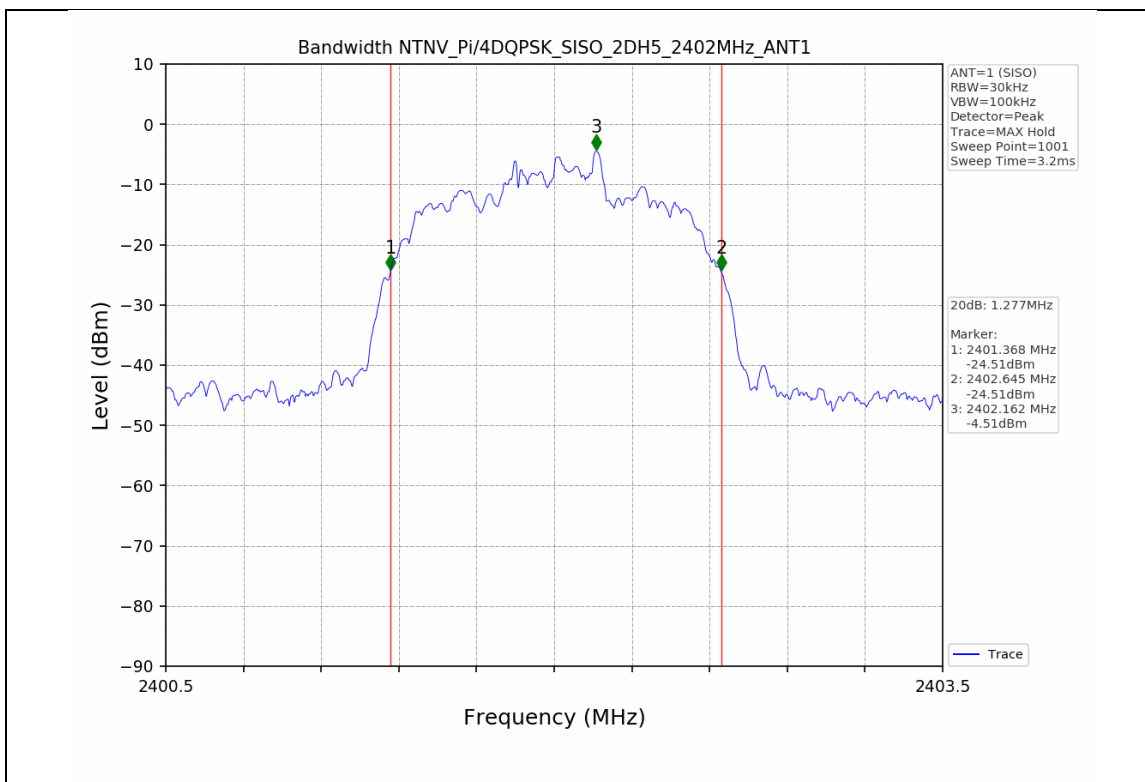
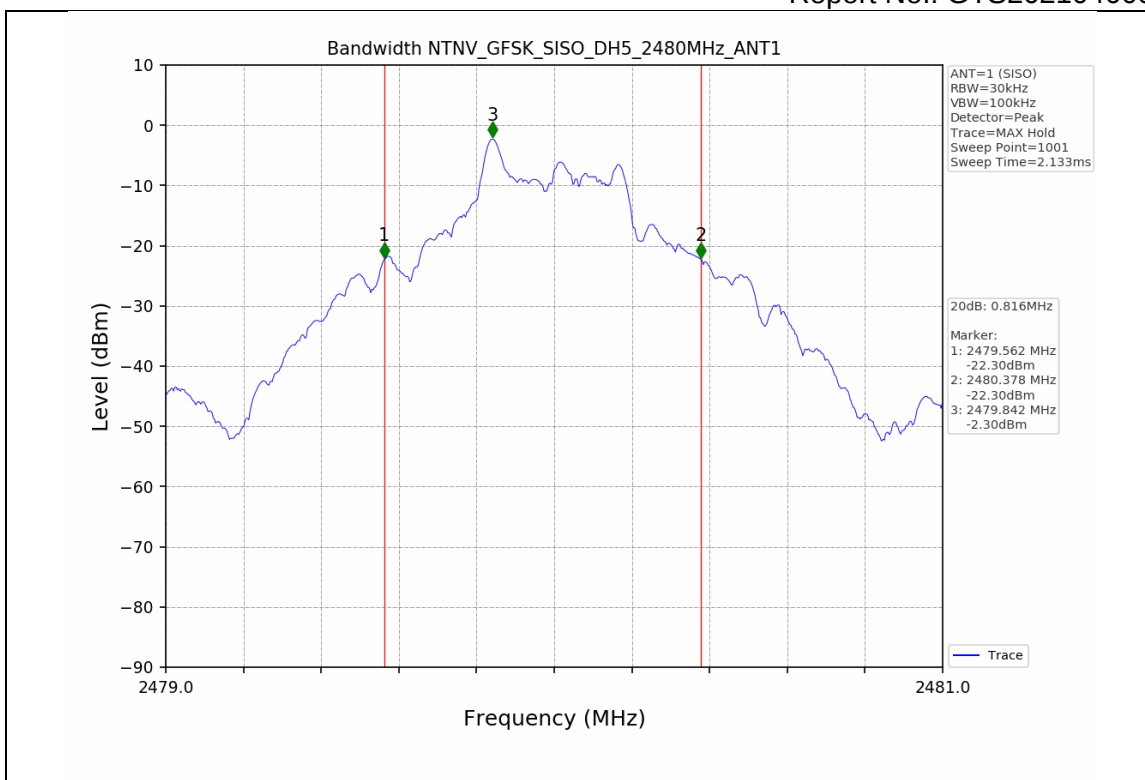
1.1 Test Result

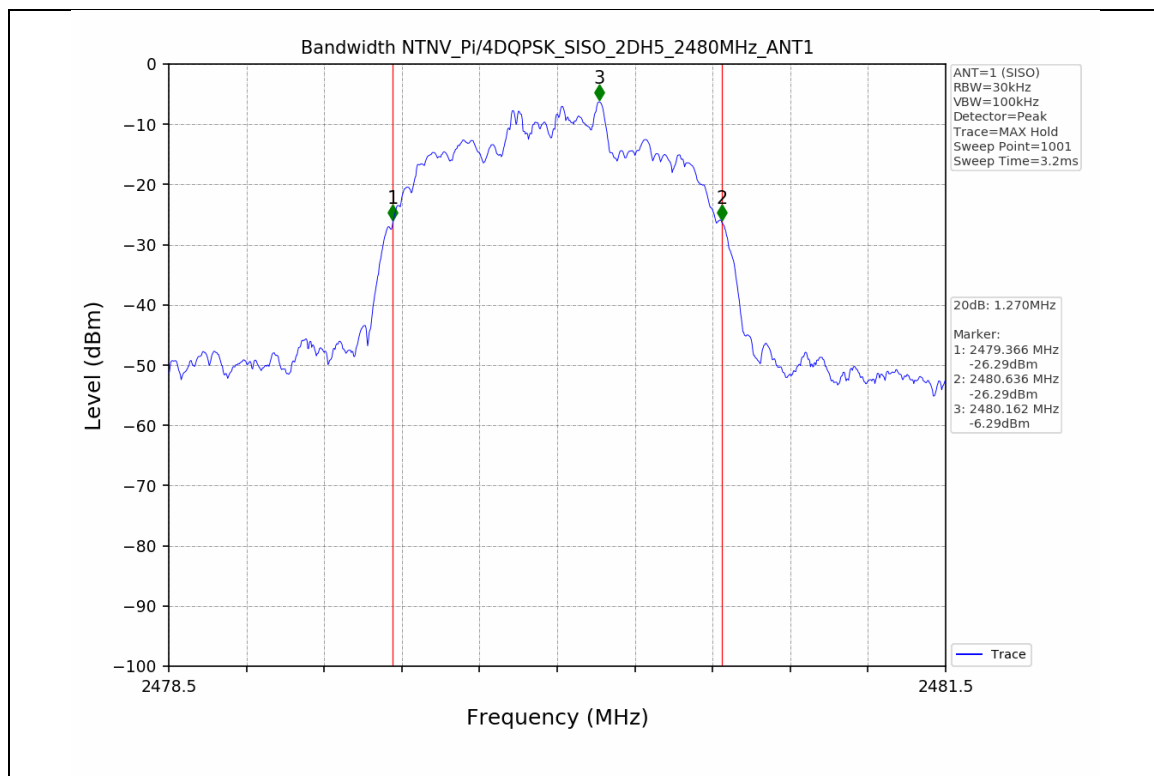
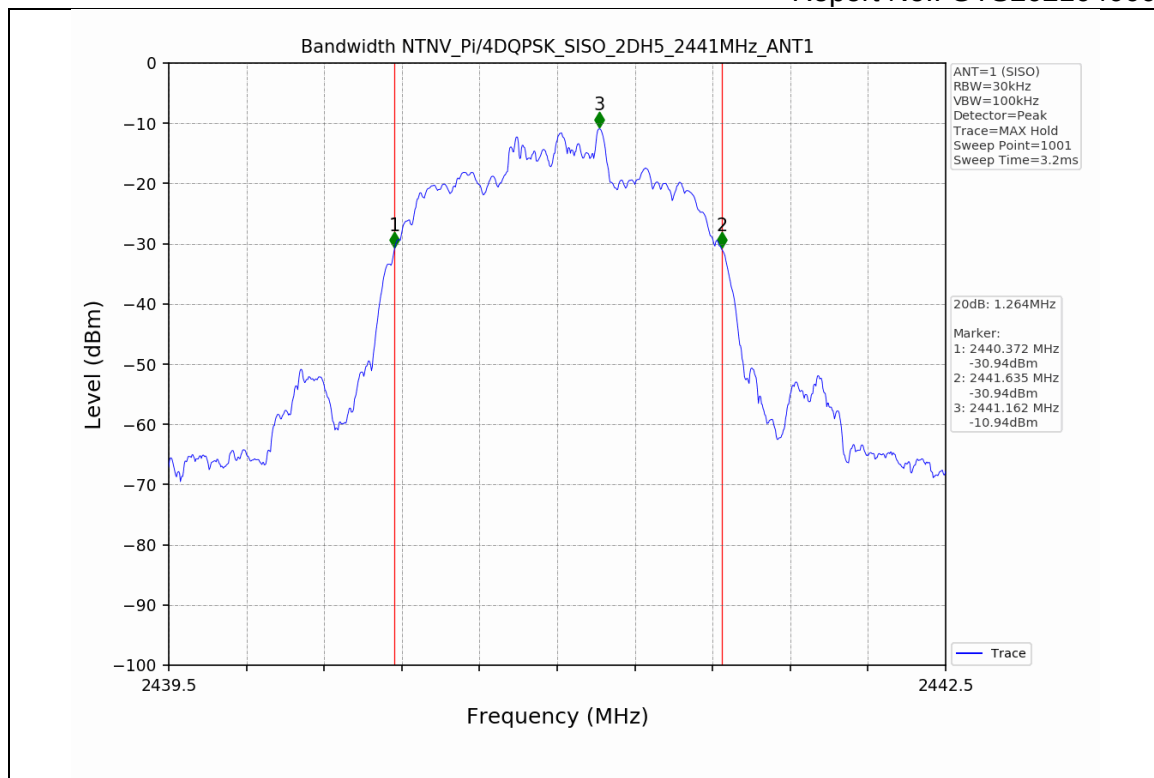
Test Mode	Frequency (MHz)	TX Type	ANT No.	20dB Bandwidth	Verdict
				Test Result (MHz)	
GFSK	2402	SISO	1	0.828	PASS
	2441	SISO	1	0.820	PASS
	2480	SISO	1	0.816	PASS
Pi/4DQPSK	2402	SISO	1	1.277	PASS
	2441	SISO	1	1.264	PASS
	2480	SISO	1	1.270	PASS
8DPSK	2402	SISO	1	1.283	PASS
	2441	SISO	1	1.293	PASS
	2480	SISO	1	1.278	PASS

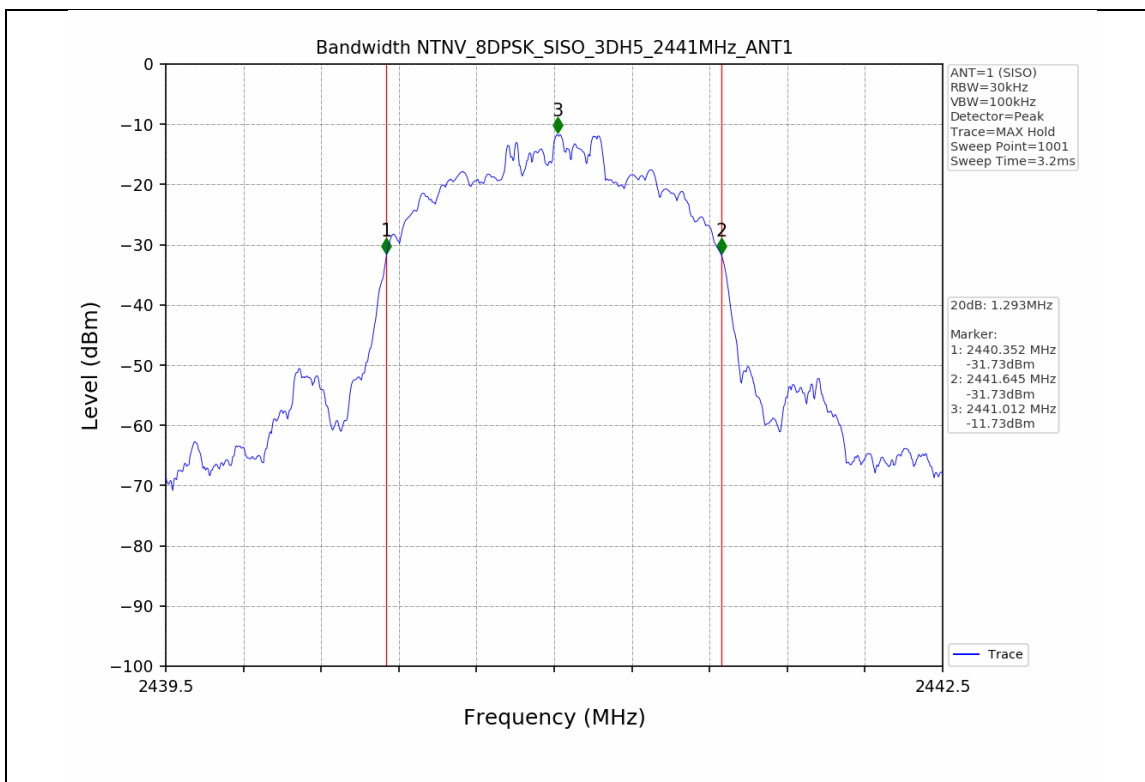
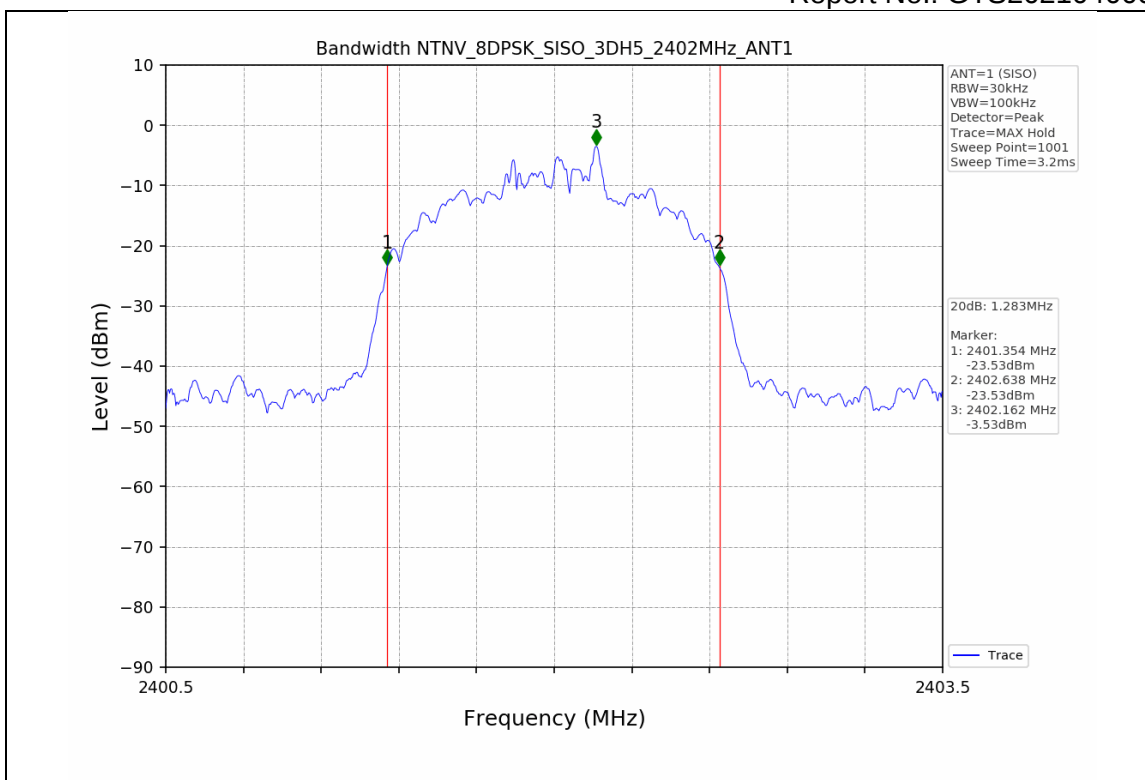
Test Mode	Frequency (MHz)	TX Type	ANT No.	99% Occupied Bandwidth	
				Test Result (MHz)	
GFSK	2402	SISO	1	0.861	Only for Report Use
	2441	SISO	1	0.852	Only for Report Use
	2480	SISO	1	0.853	Only for Report Use
Pi/4DQPSK	2402	SISO	1	1.174	Only for Report Use
	2441	SISO	1	1.147	Only for Report Use
	2480	SISO	1	1.157	Only for Report Use
8DPSK	2402	SISO	1	1.178	Only for Report Use
	2441	SISO	1	1.155	Only for Report Use
	2480	SISO	1	1.165	Only for Report Use

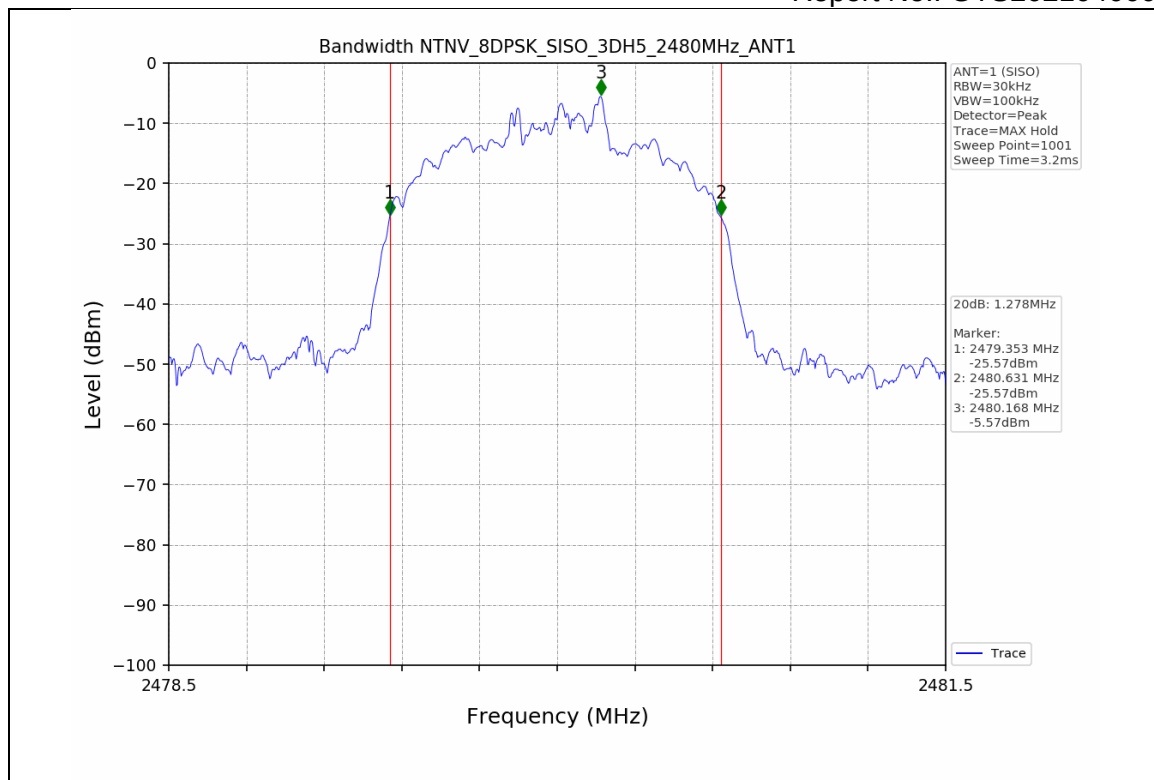
1.2 Test Graph - 20dB Bandwidth



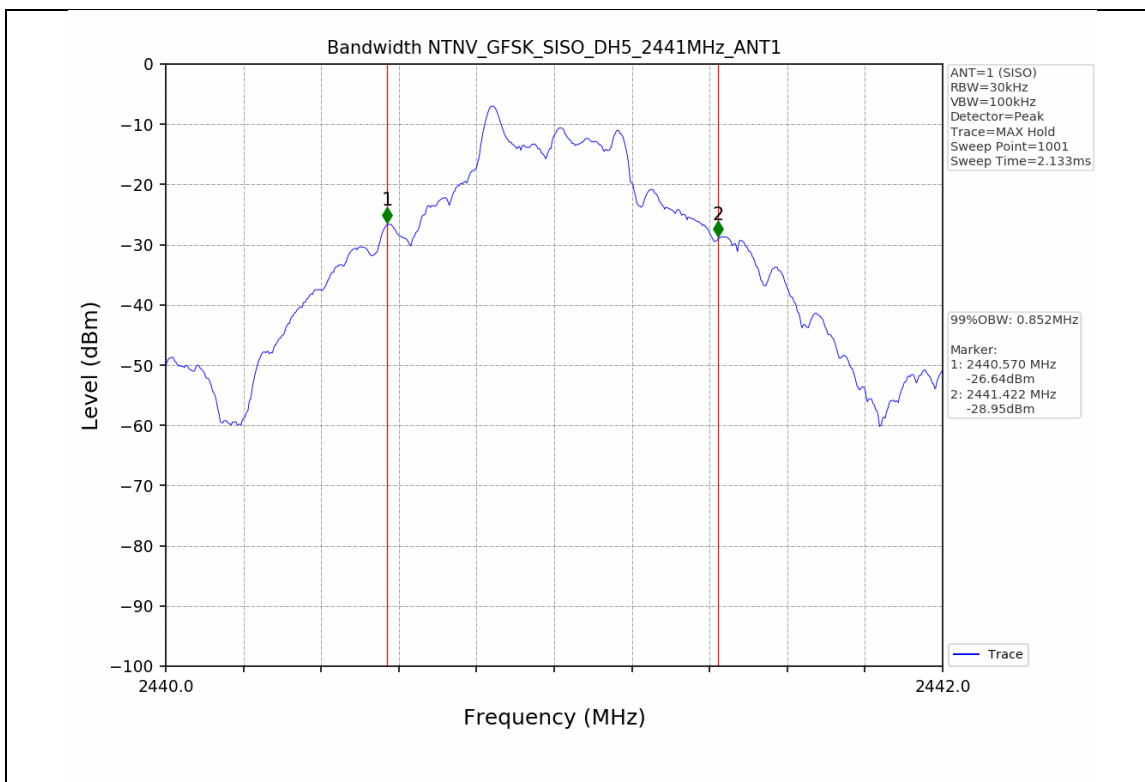
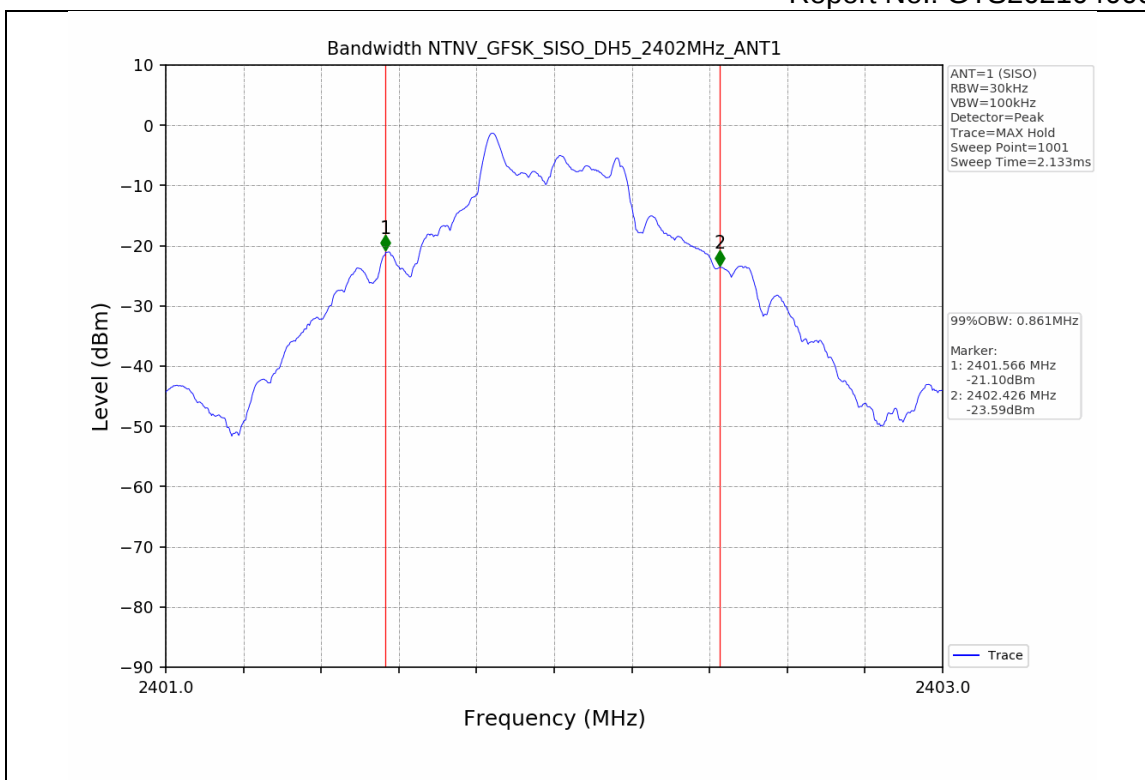


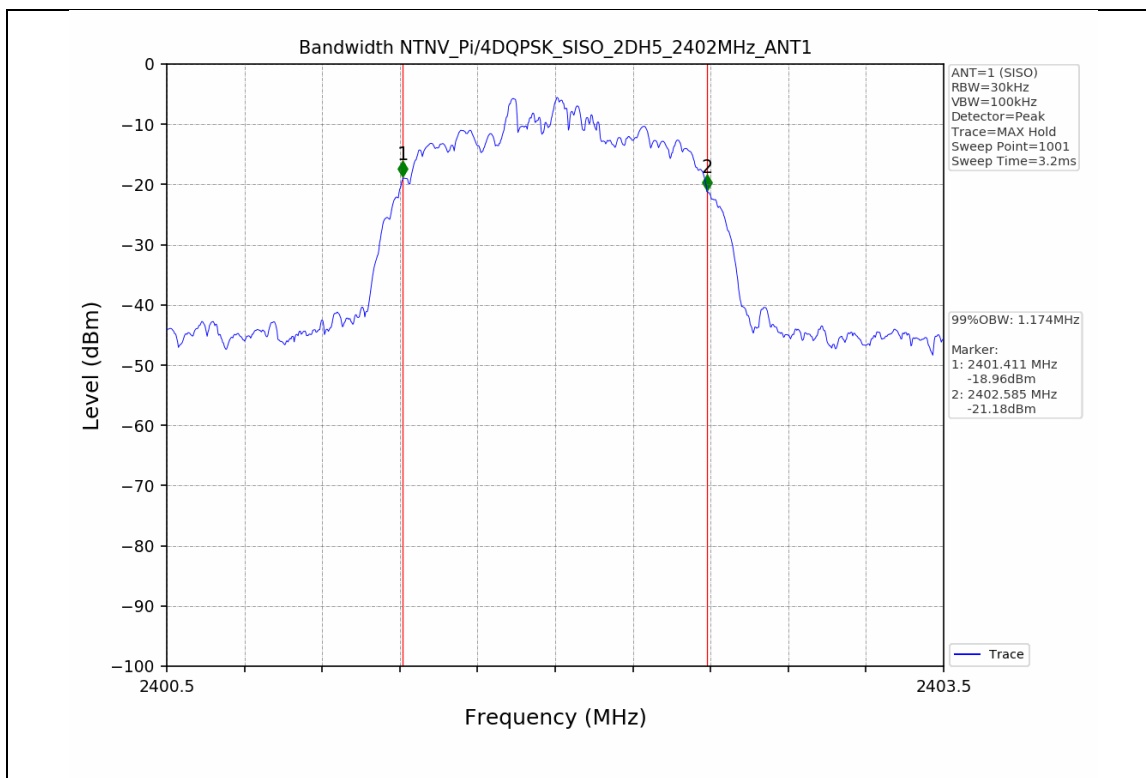
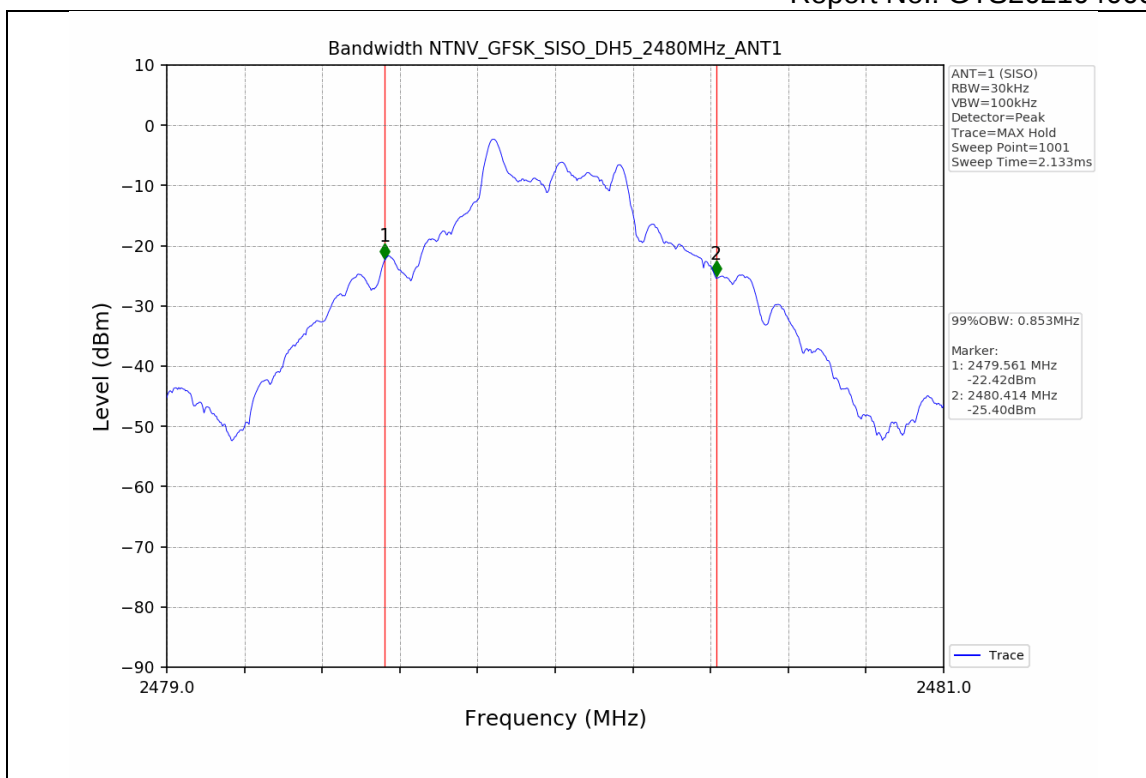


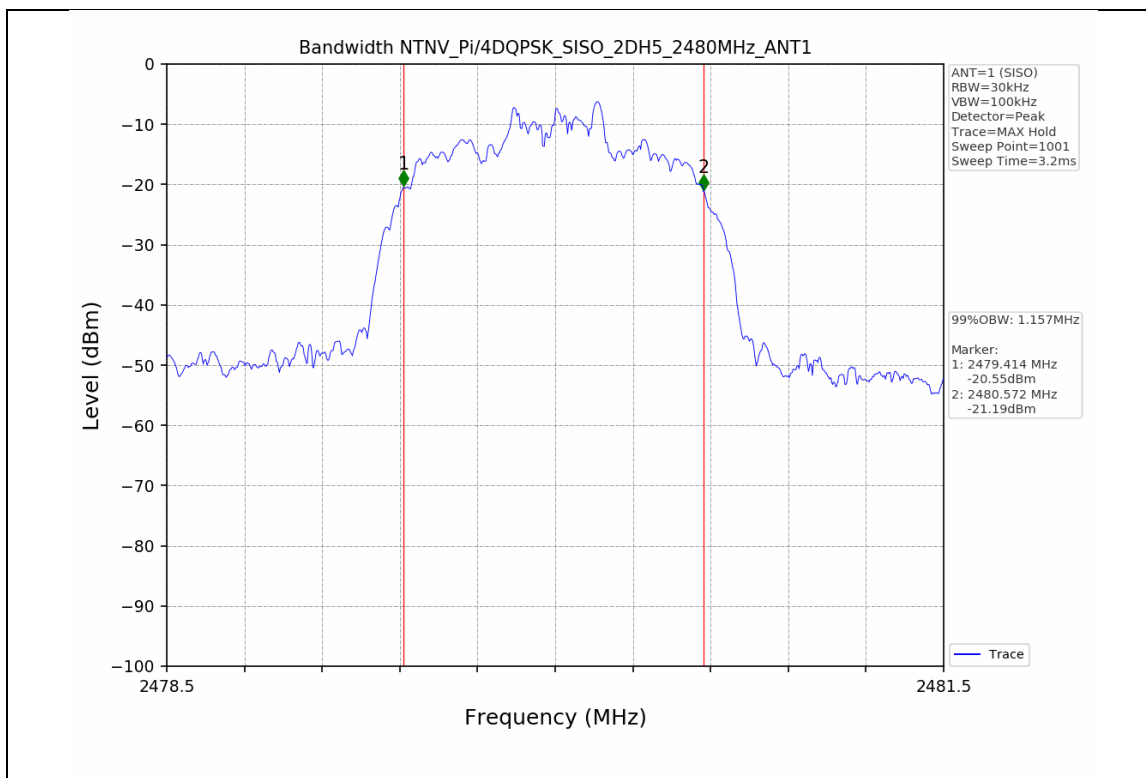
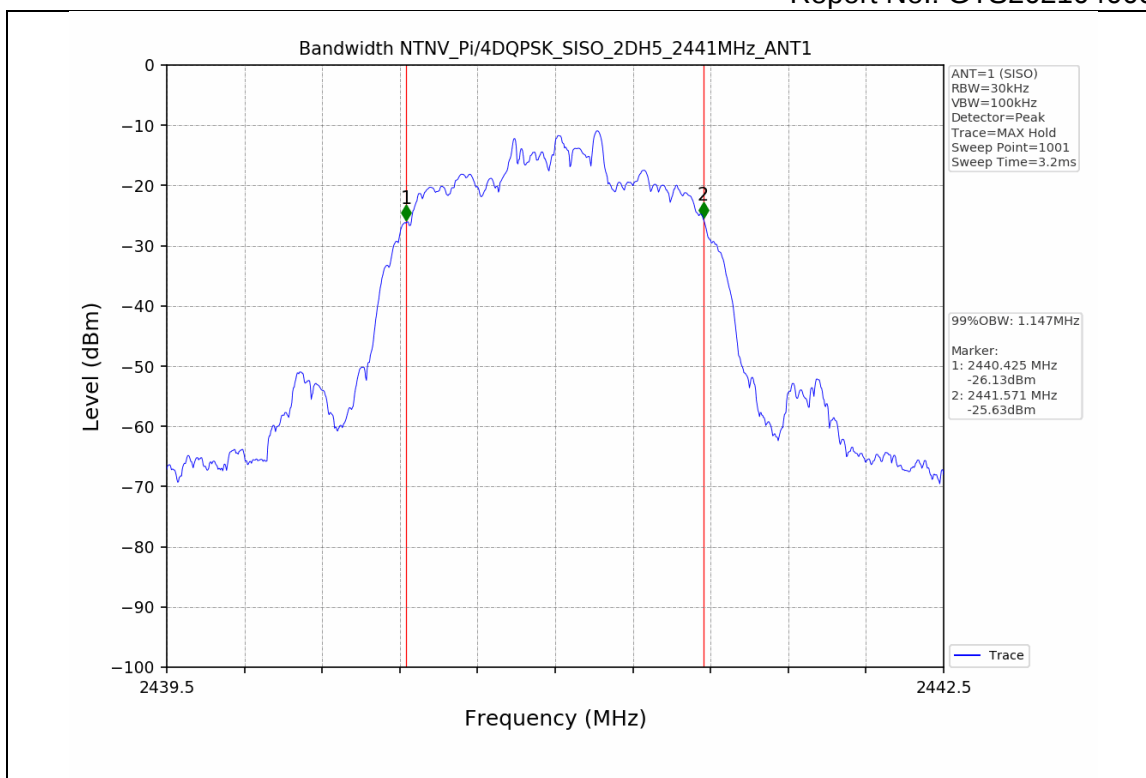


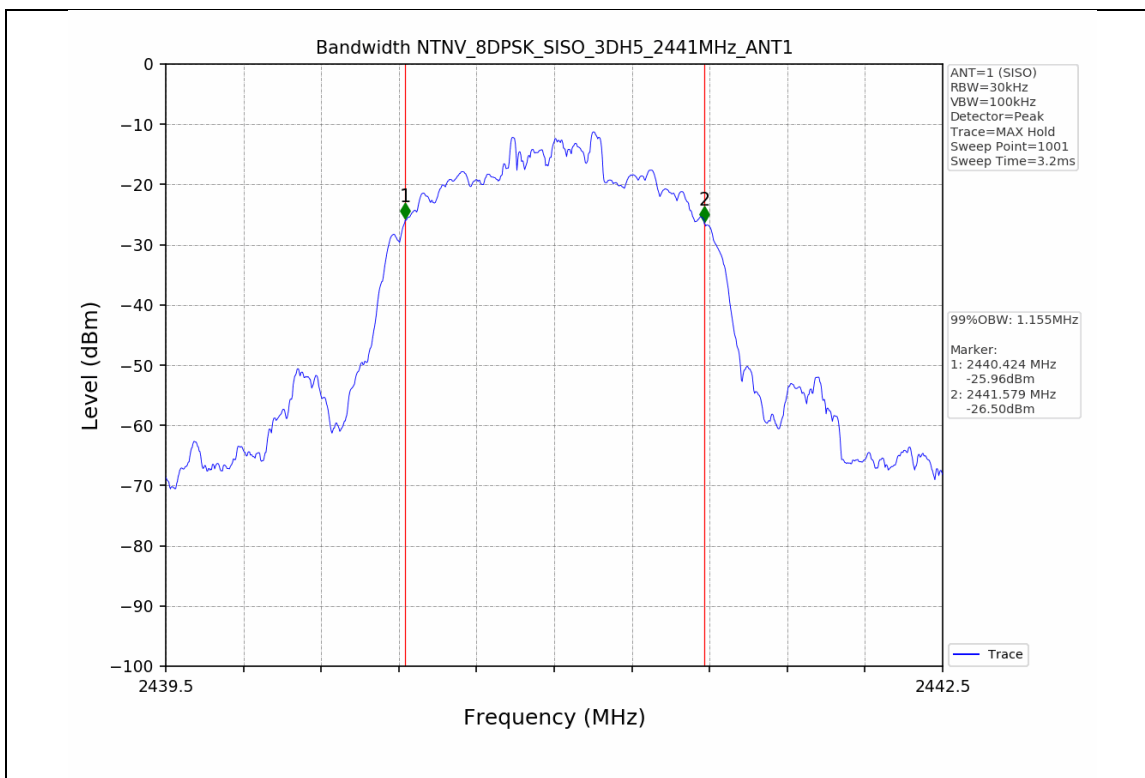
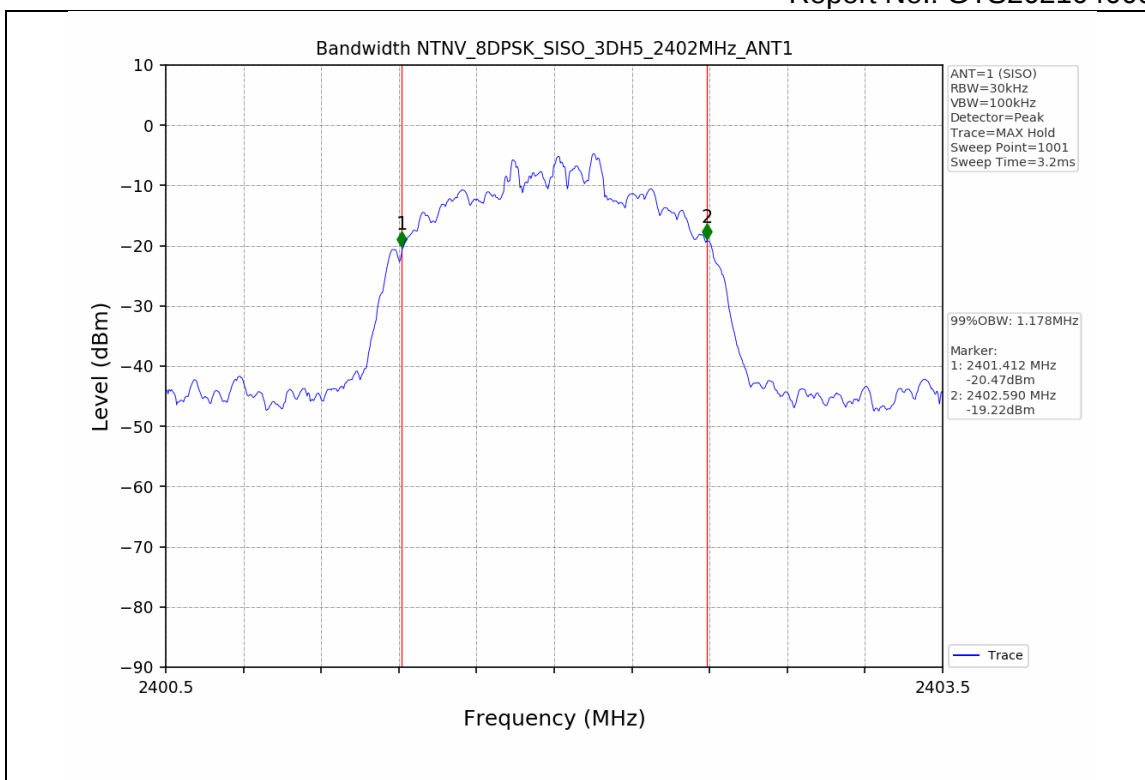


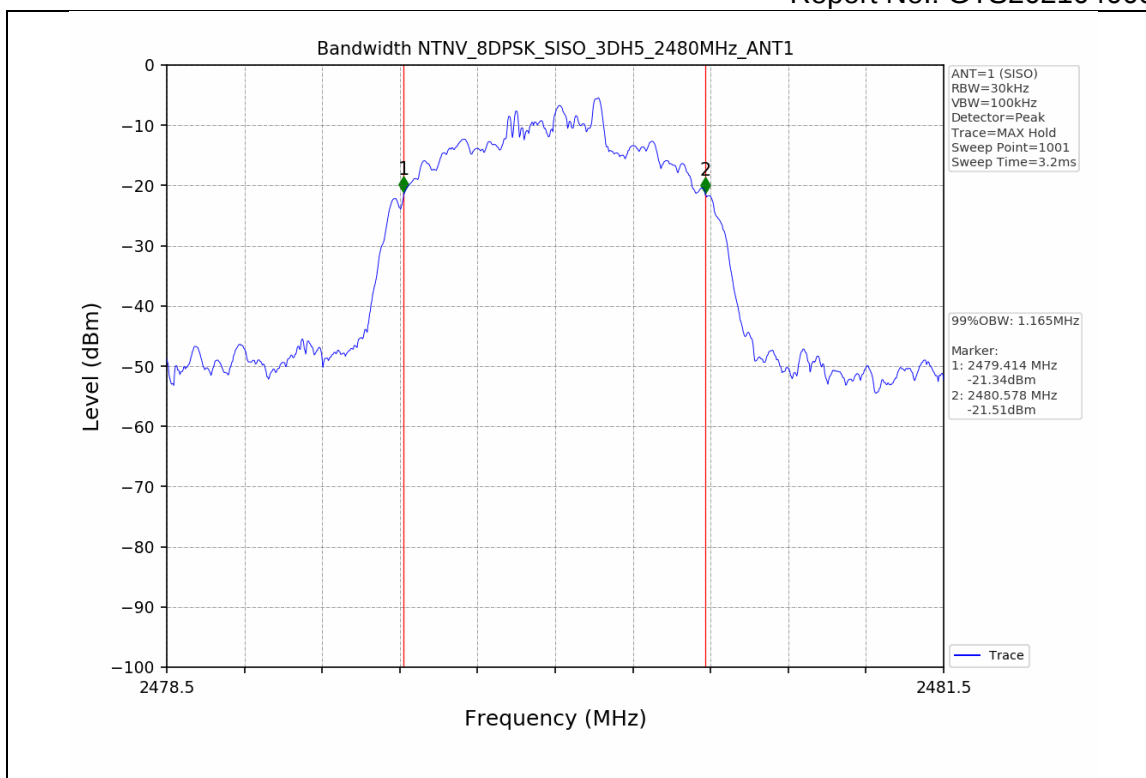
1.3 Test Graph - 99% Occupied Bandwidth











2. Maximum Conducted Output Power

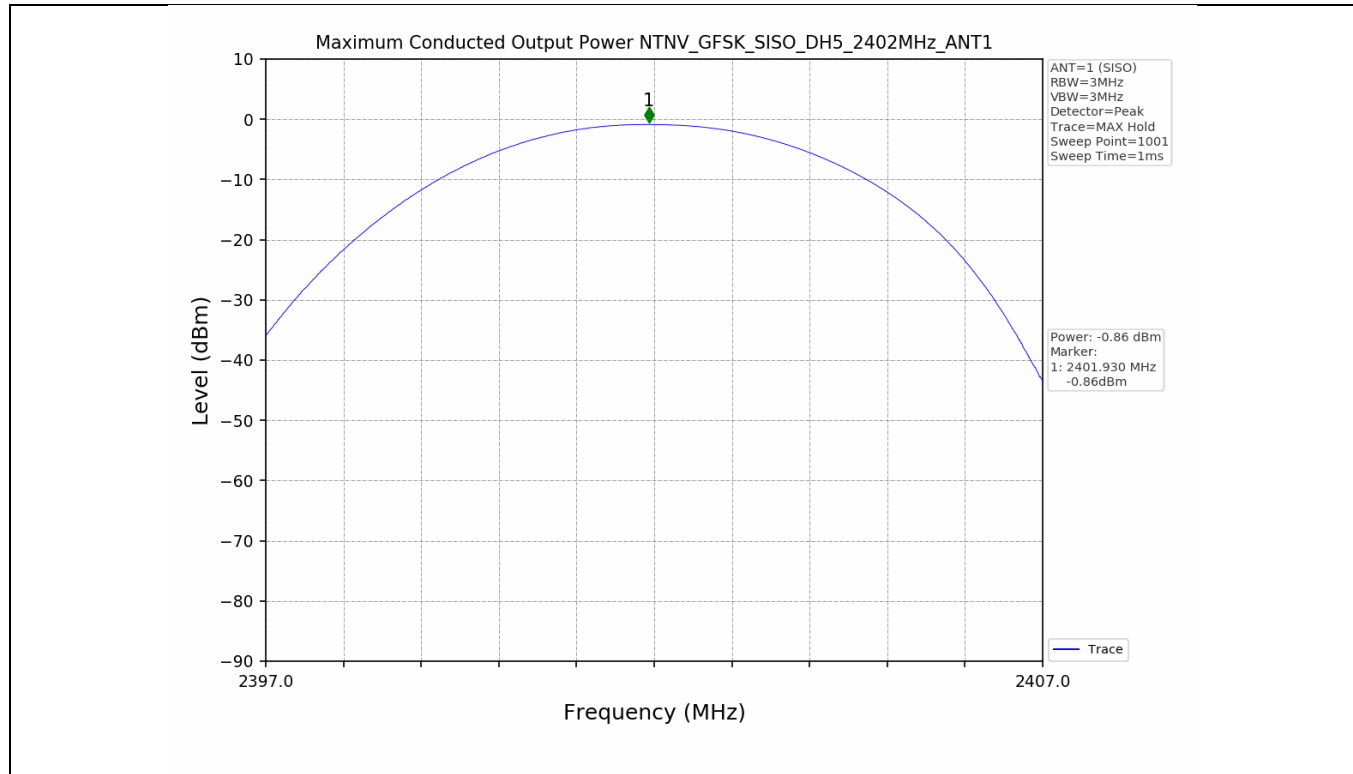
2.1 Test Result

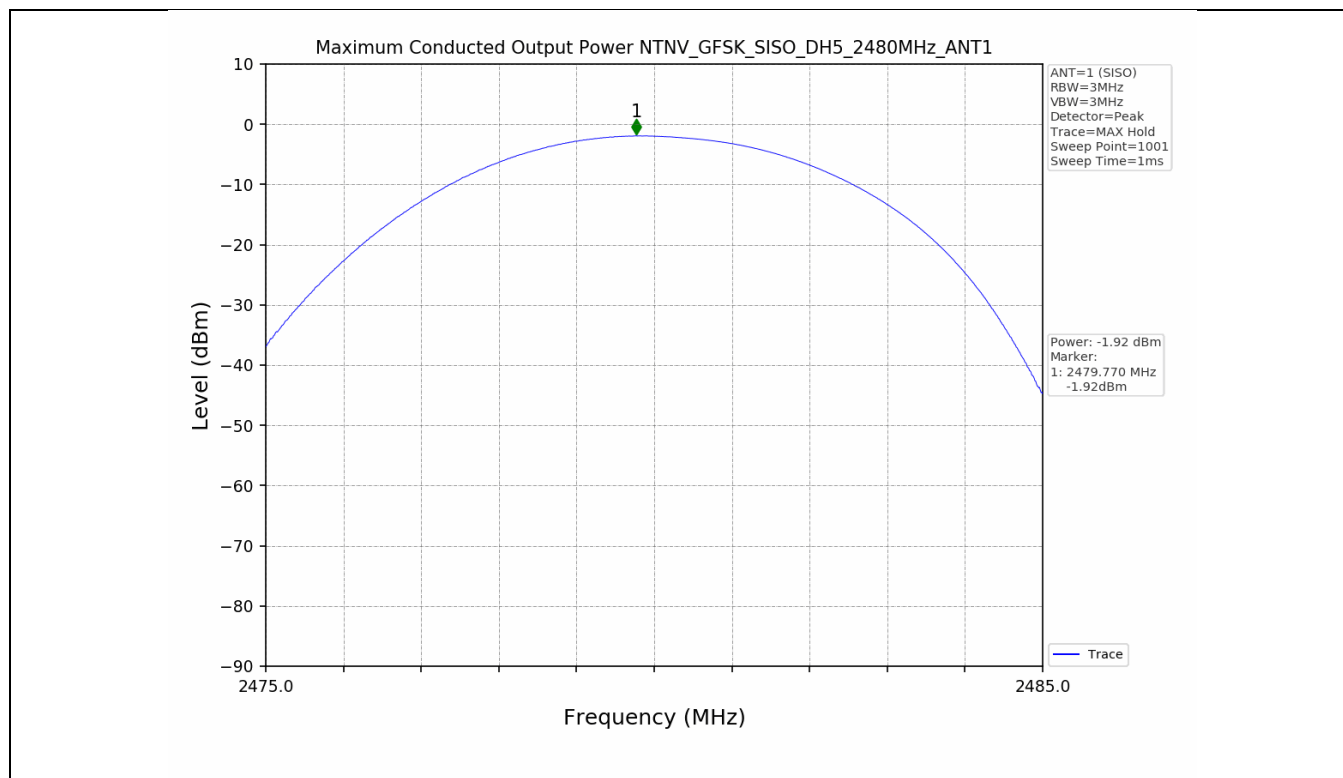
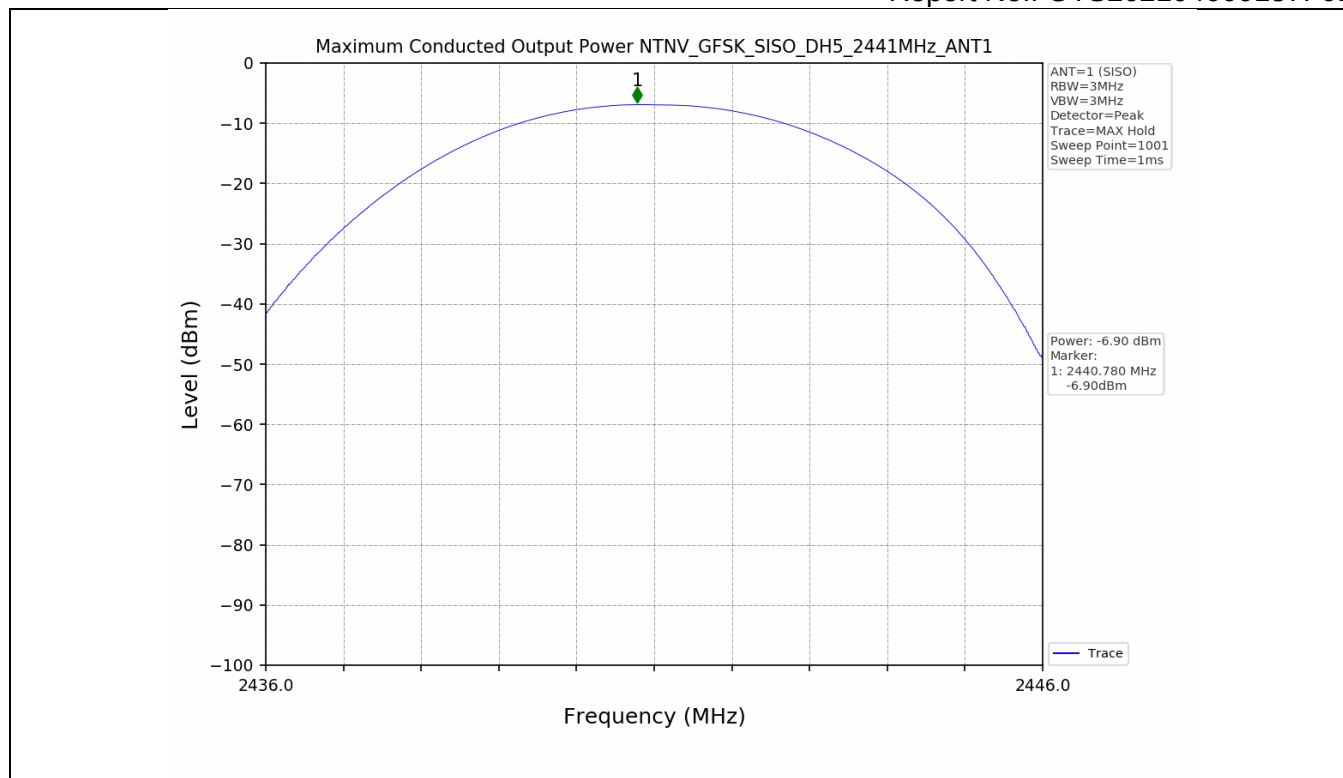
Test Mode	Frequency (MHz)	Tx Type	Measured Peak Output Power (dBm)	Limits (dBm)	Verdict
			Ant 1		
GFSK	2402	SISO	-0.86	30	PASS
	2441	SISO	-6.90	30	PASS
	2480	SISO	-1.92	30	PASS
Pi/4DQPSK	2402	SISO	-1.15	20.97	PASS
	2441	SISO	-7.97	20.97	PASS
	2480	SISO	-2.85	20.97	PASS
8DPSK	2402	SISO	-0.91	20.97	PASS
	2441	SISO	-7.67	20.97	PASS
	2480	SISO	-2.53	20.97	PASS

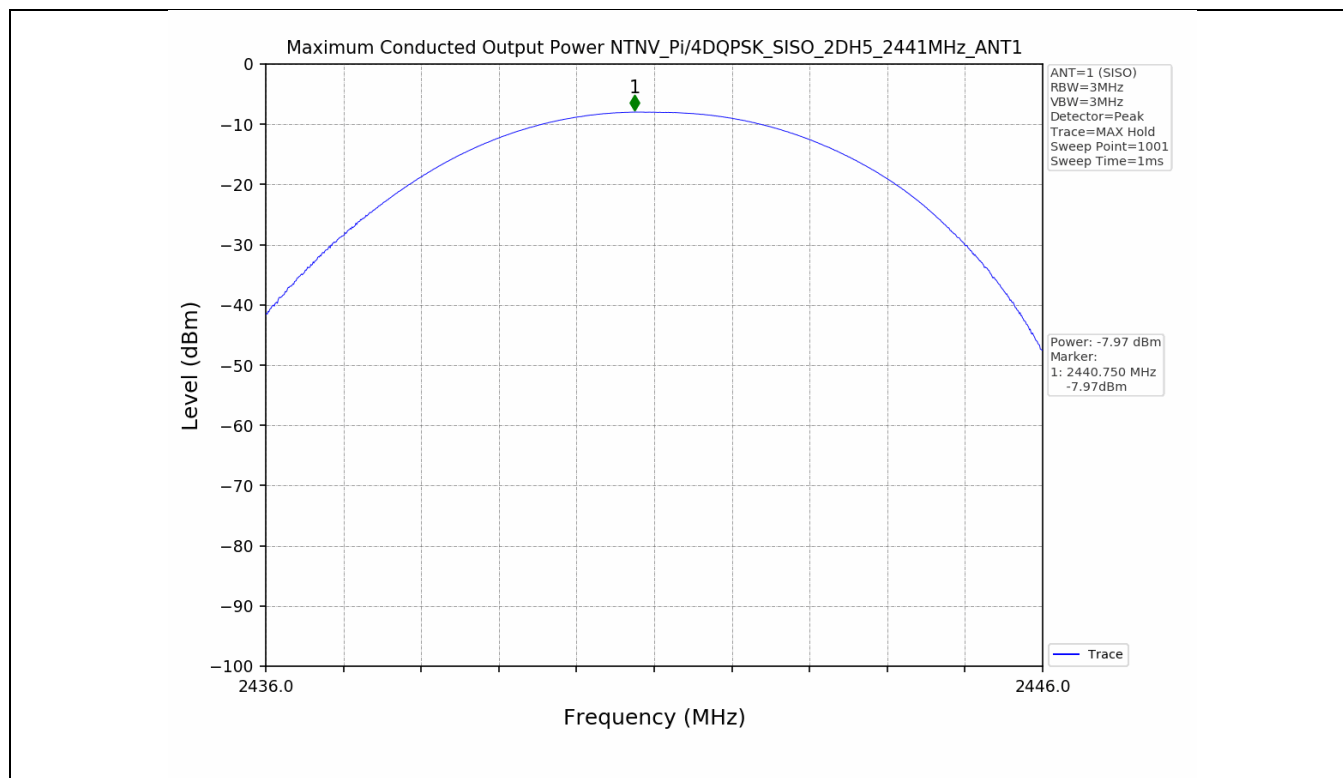
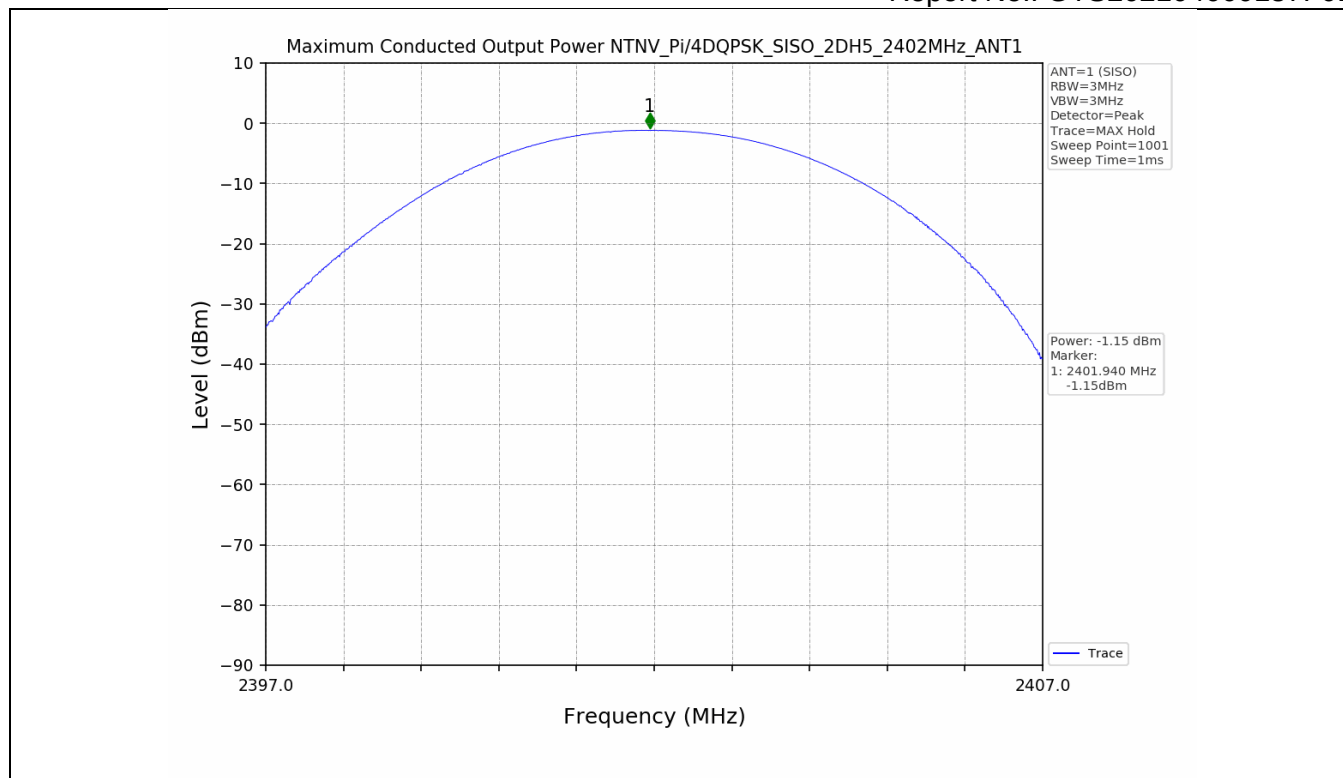
Test Mode	Frequency (MHz)	Tx Type	EIRP (dBm)	Limits (dBm)	Verdict
			Ant 1		
GFSK	2402	SISO	-1.28	36	PASS
	2441	SISO	-7.32	36	PASS
	2480	SISO	-2.34	36	PASS
Pi/4DQPSK	2402	SISO	-1.57	36	PASS
	2441	SISO	-8.39	36	PASS
	2480	SISO	-3.27	36	PASS
8DPSK	2402	SISO	-1.33	36	PASS

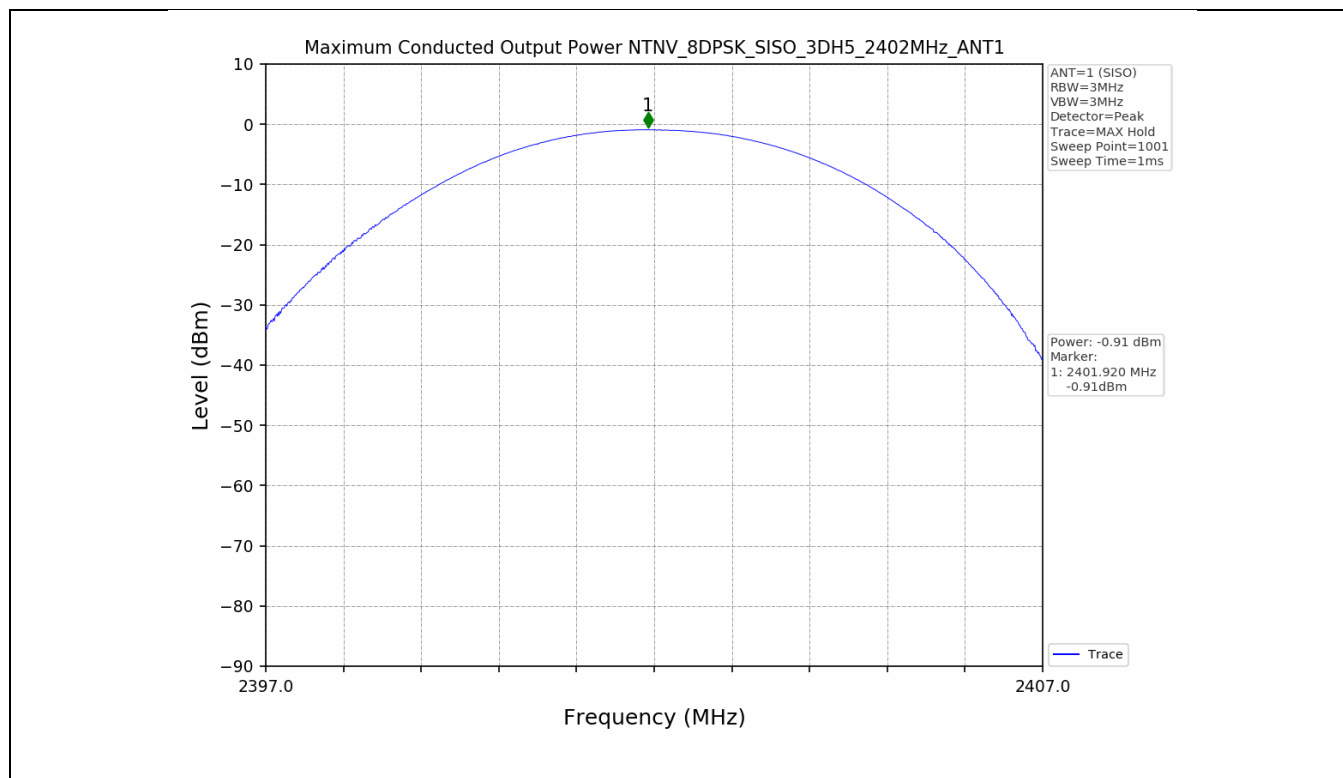
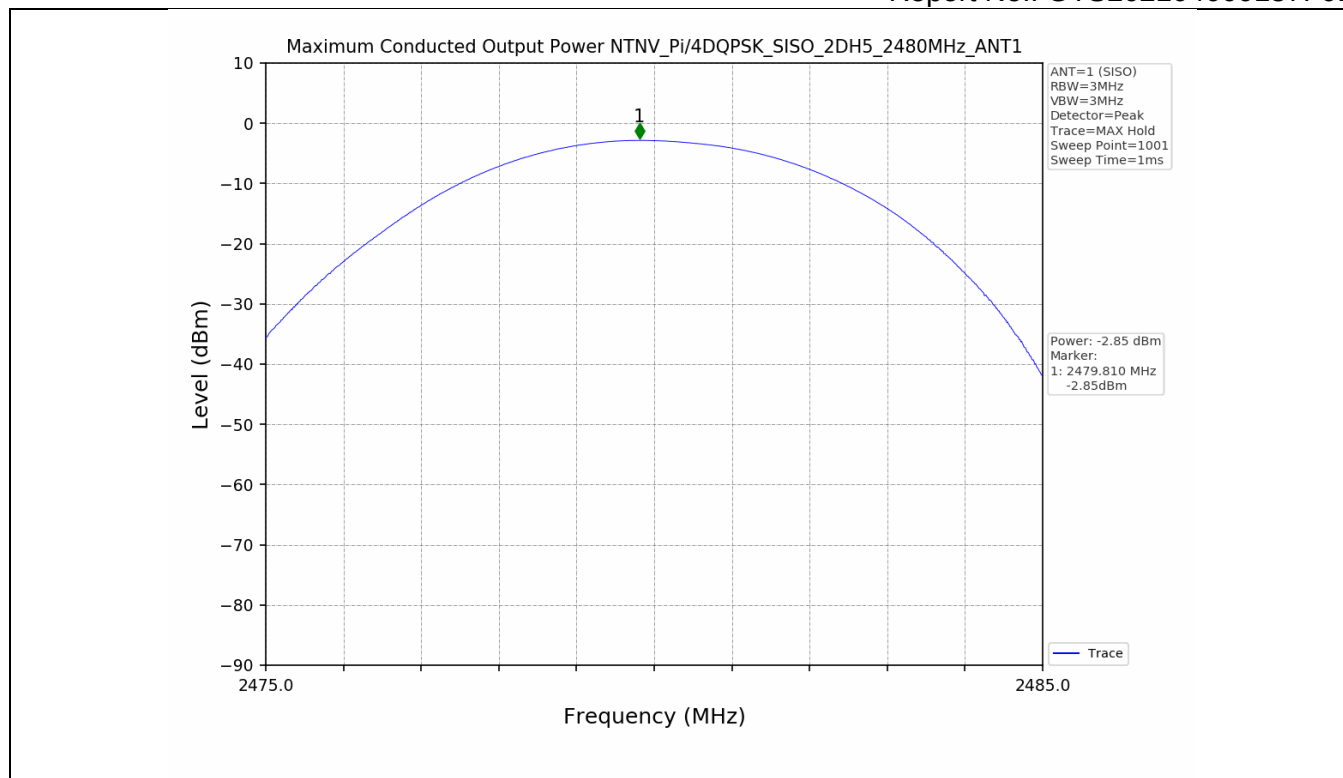
	2441	SISO	-8.09	36	PASS
	2480	SISO	-2.95	36	PASS

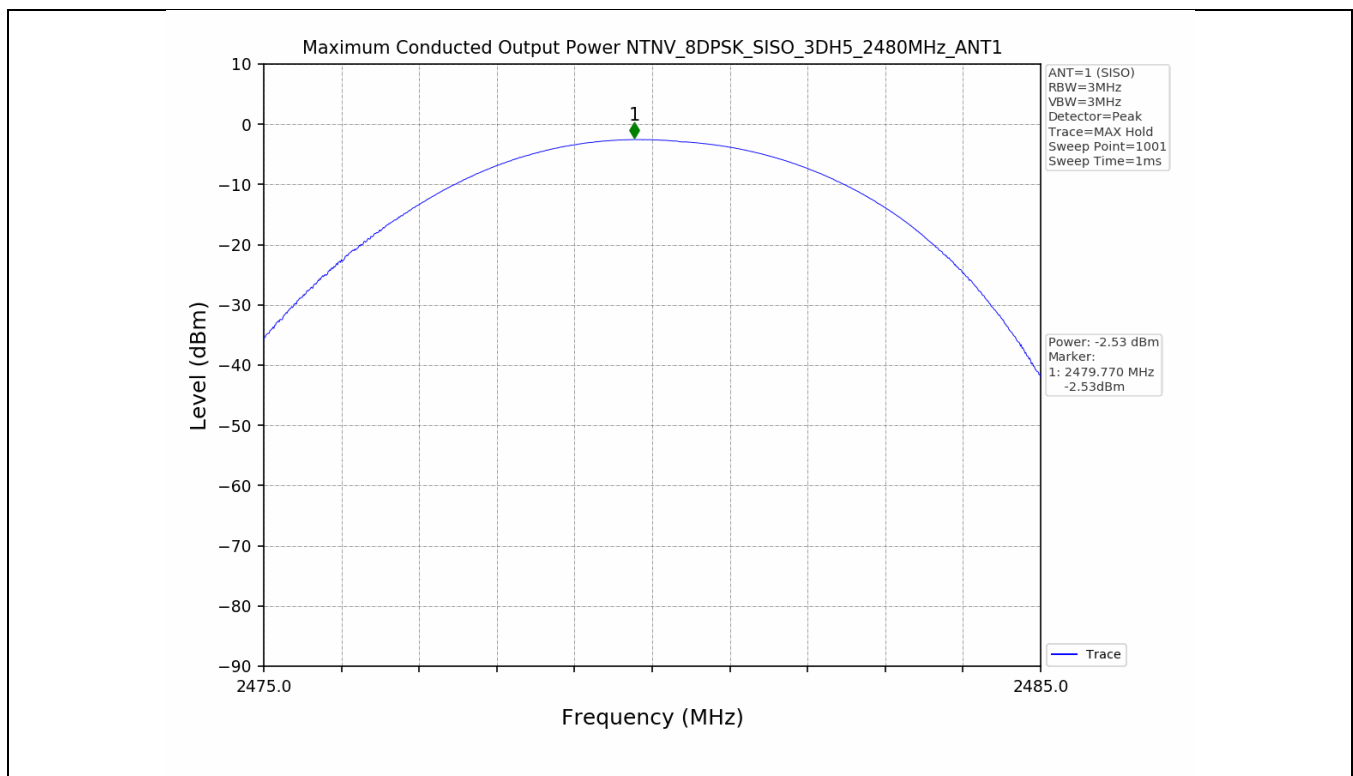
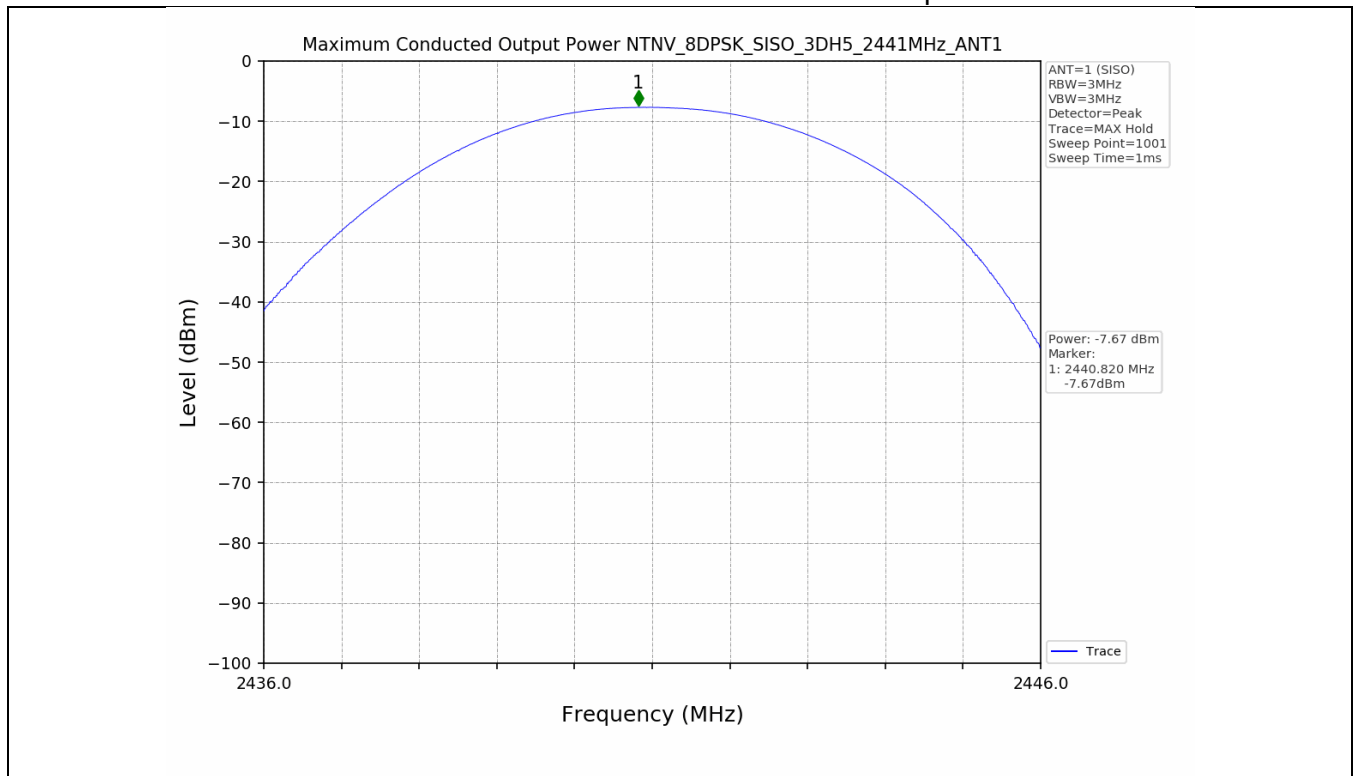
2.2 Test Graph









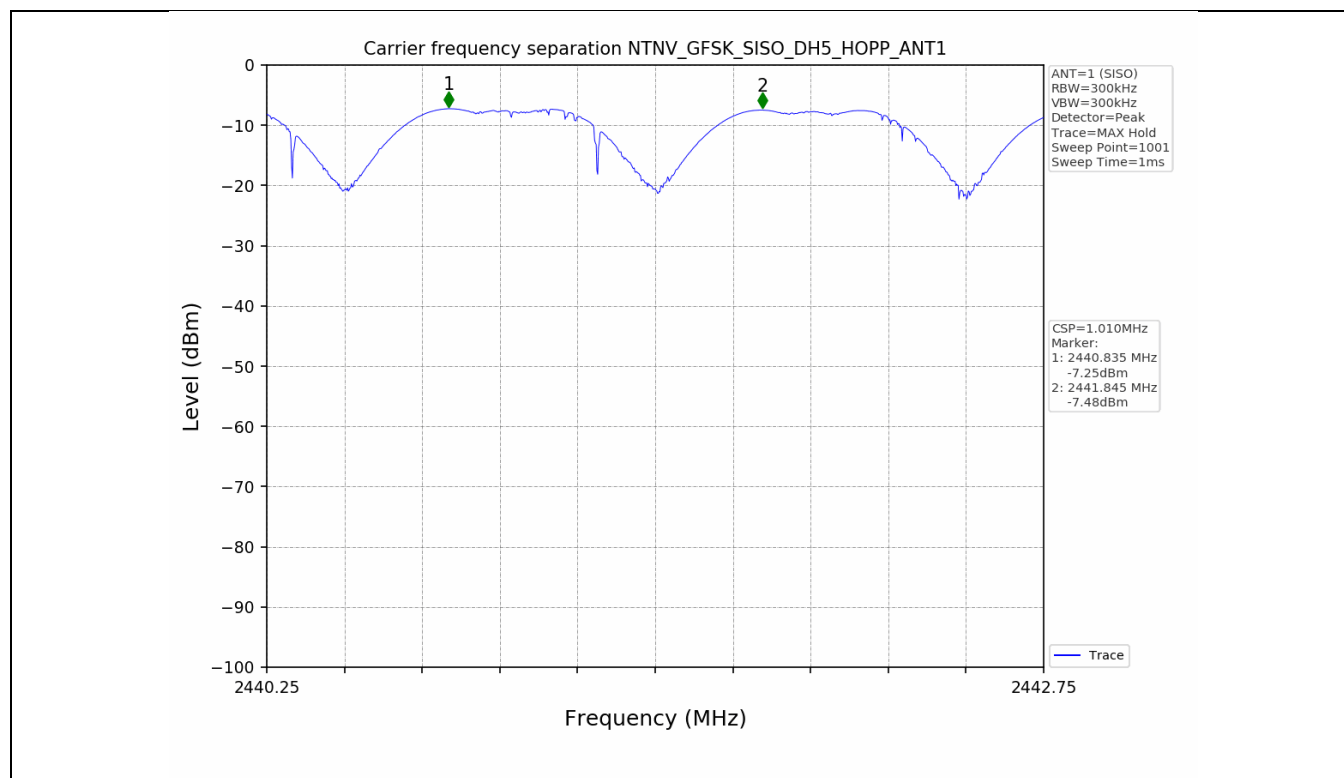


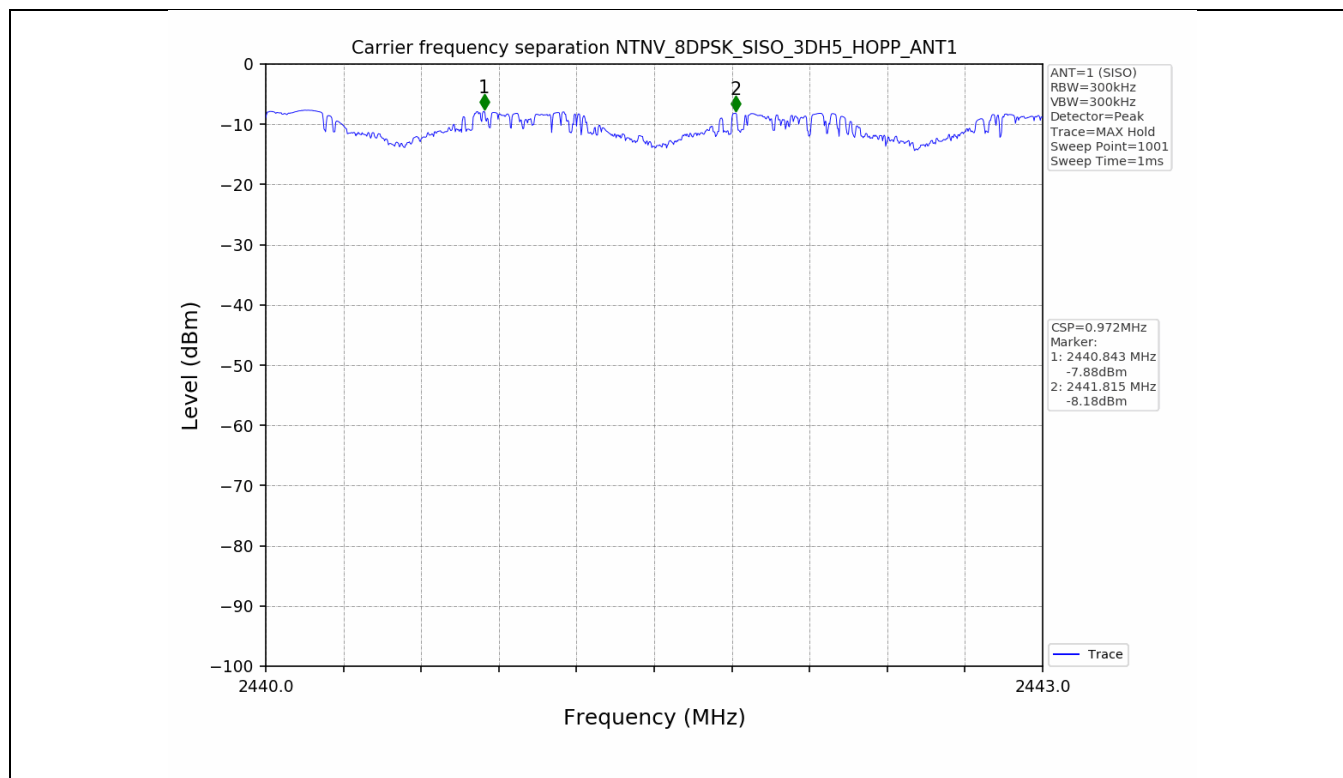
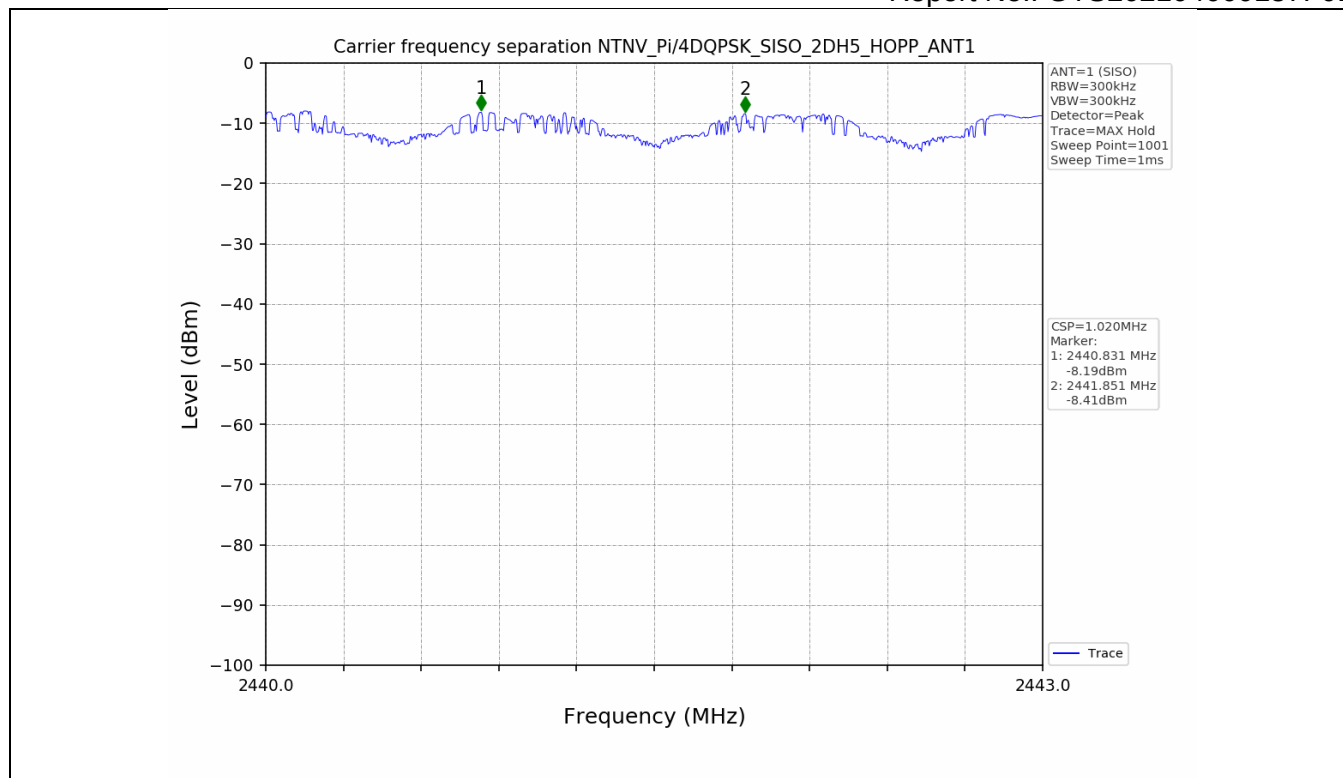
3. Carrier frequency separation

3.1 Test Result

Test Mode	TX Type	ANT No.	Channel Separation (MHz)	20dB Bandwidth (MHz)	Limits (MHz)	Verdict
GFSK	SISO	1	1.010	0.828	≥ 0.828	PASS
Pi/4DQPSK	SISO	1	1.020	1.277	≥ 0.851	PASS
8DPSK	SISO	1	0.972	1.293	≥ 0.862	PASS

3.2 Test Graph



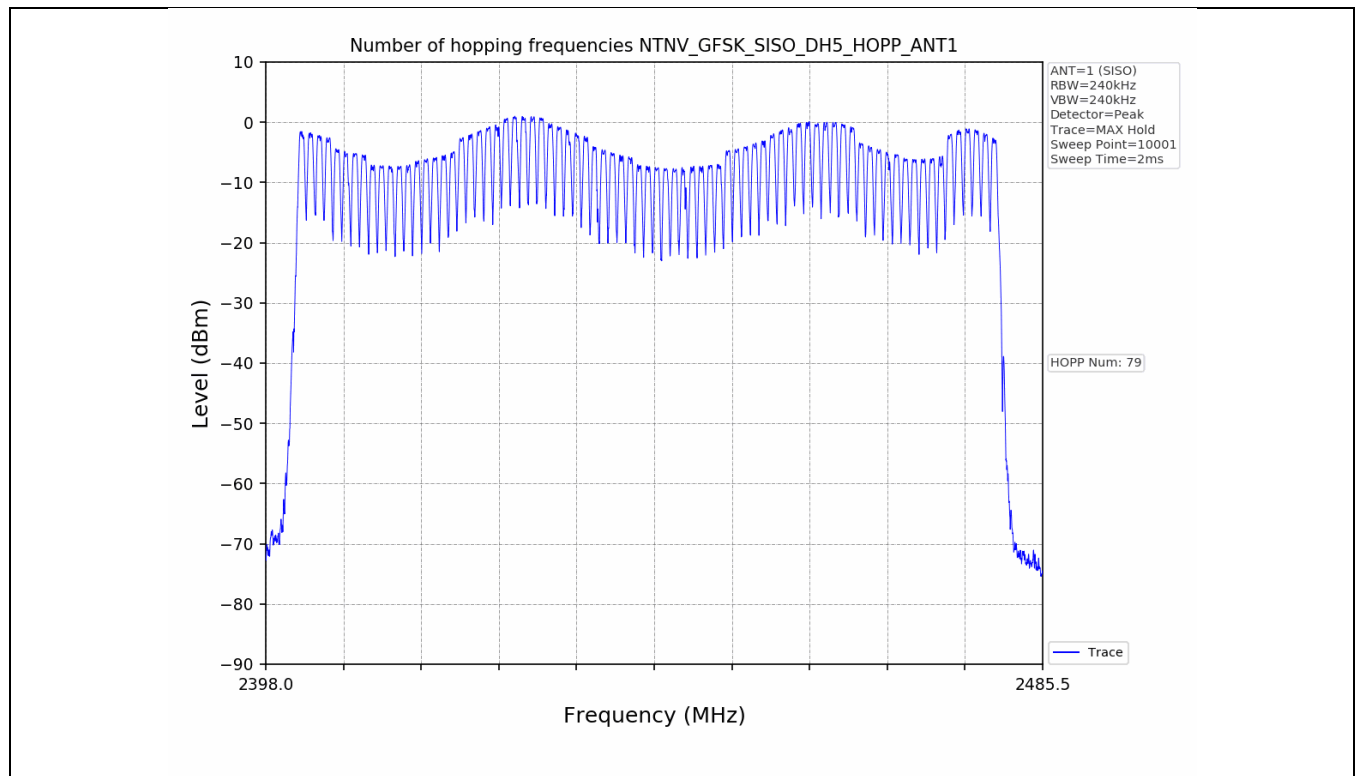


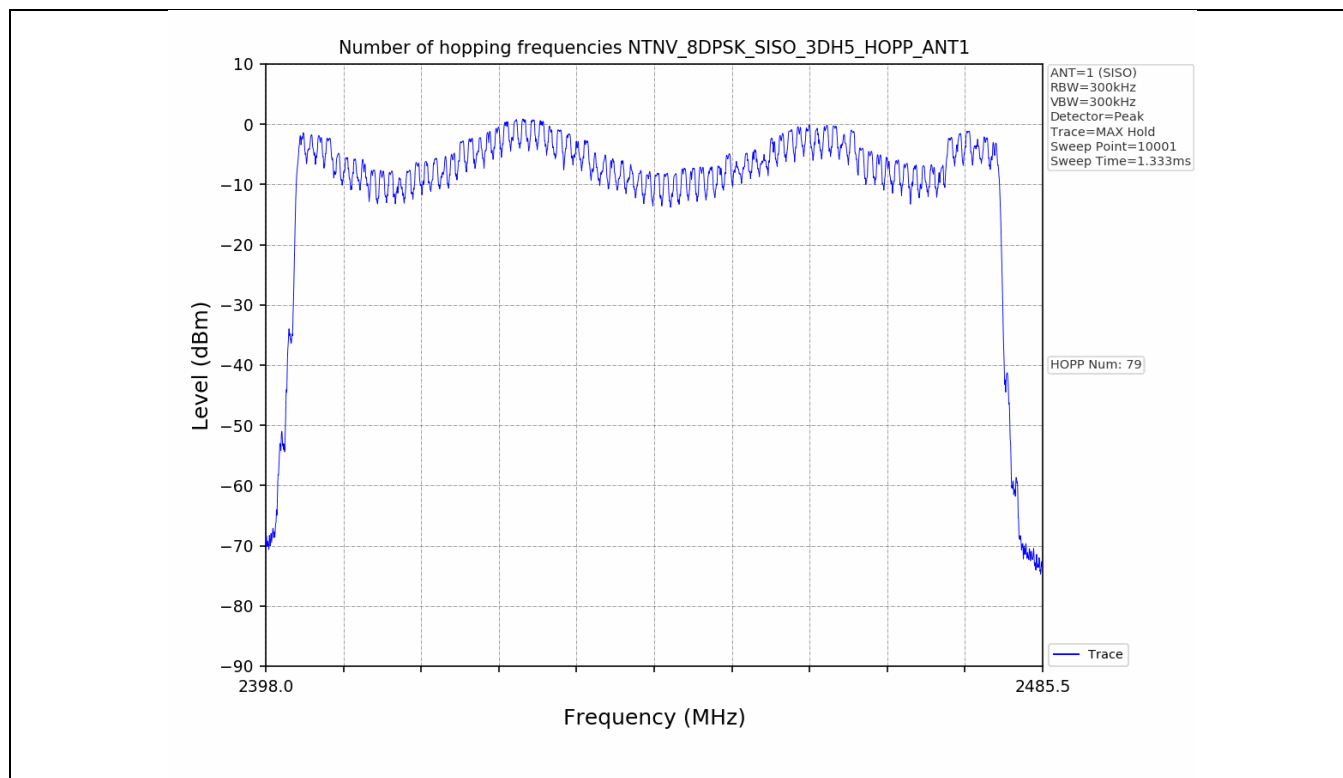
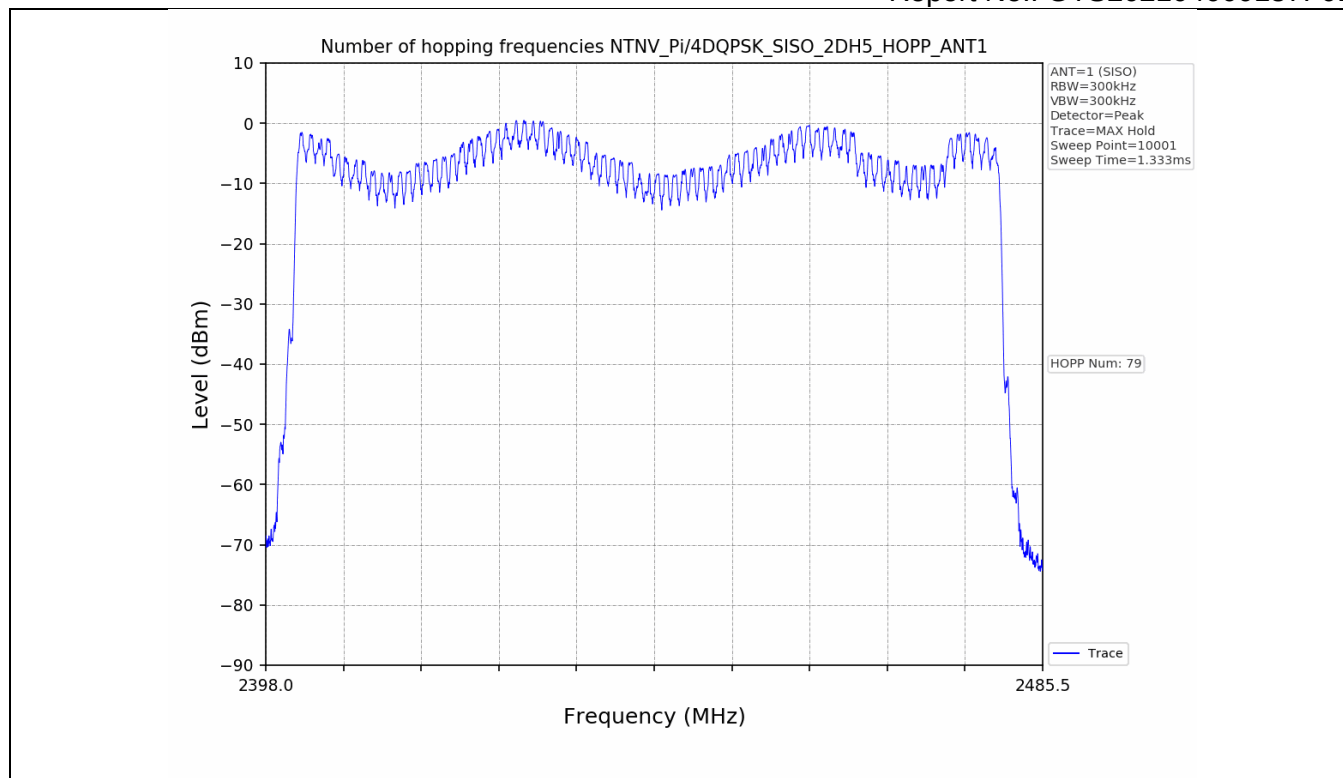
4. Number of hopping frequencies

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



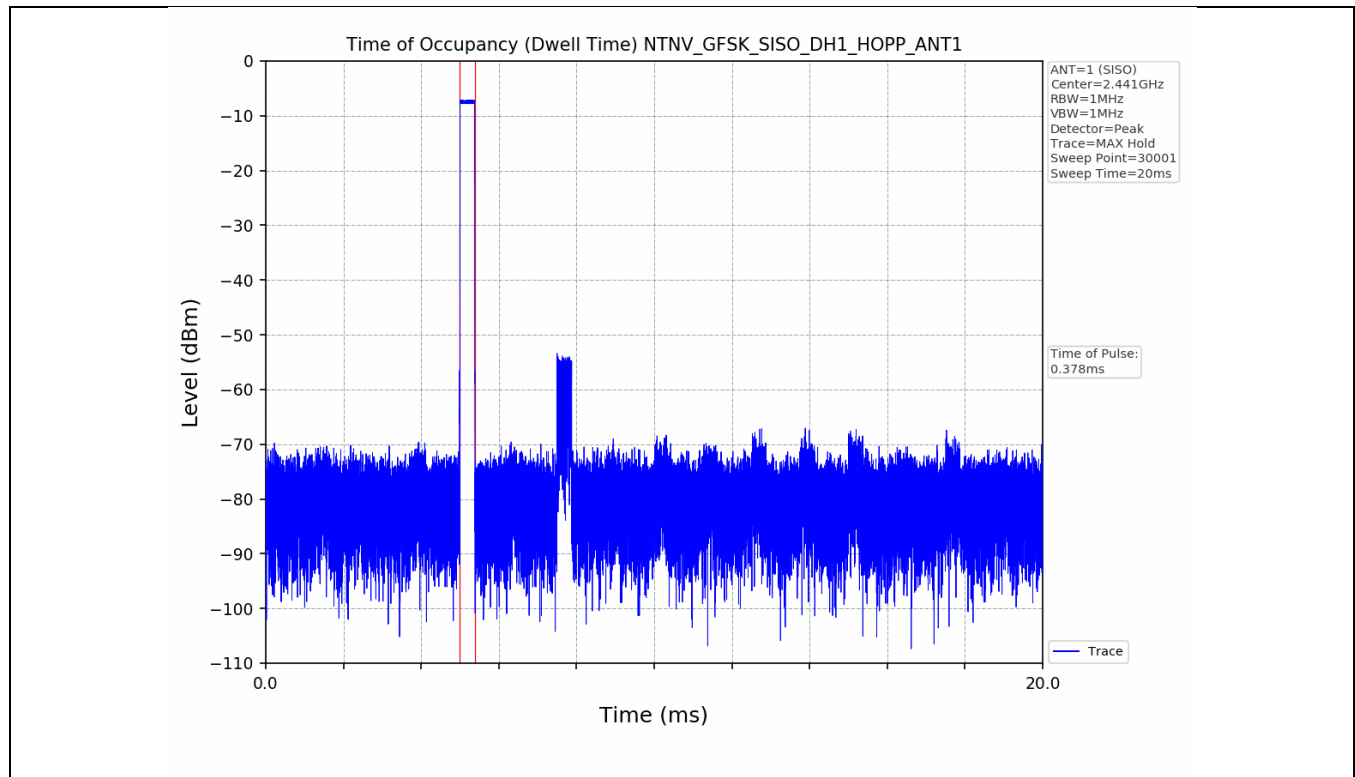


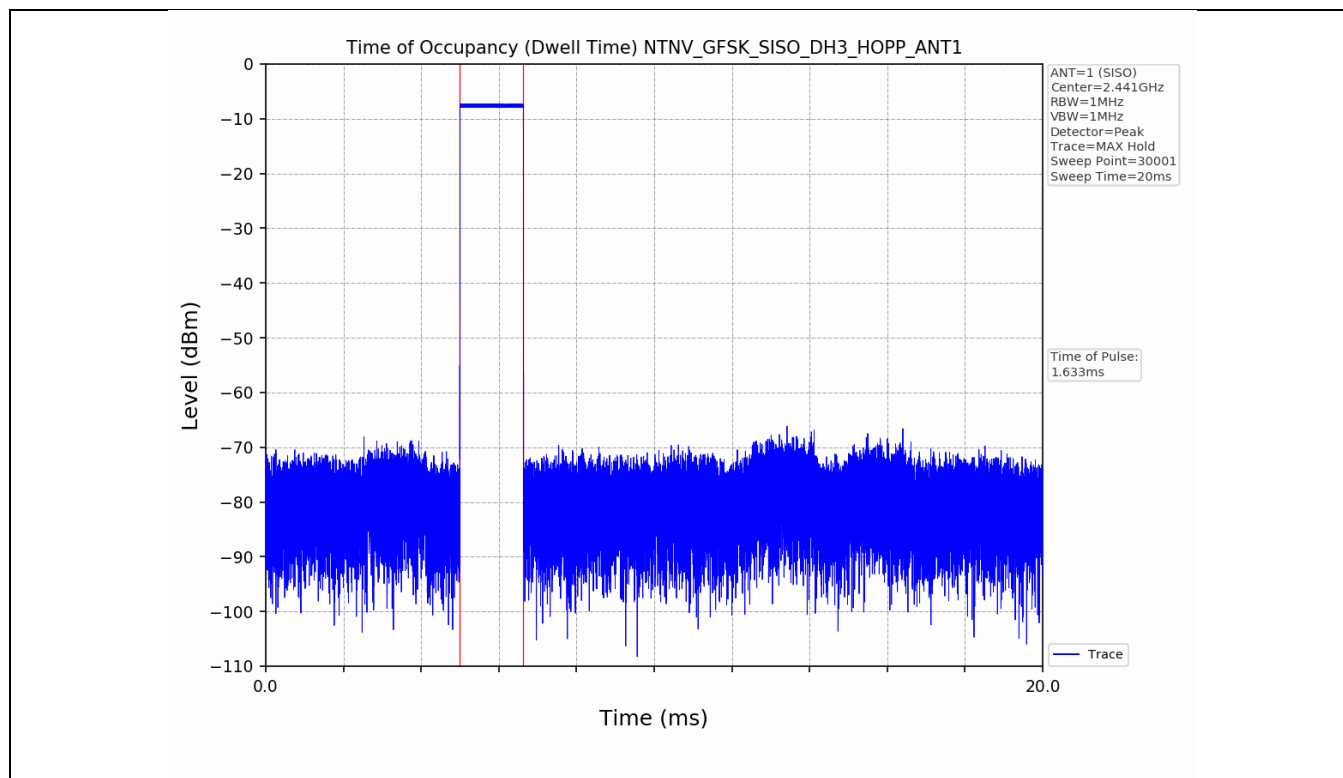
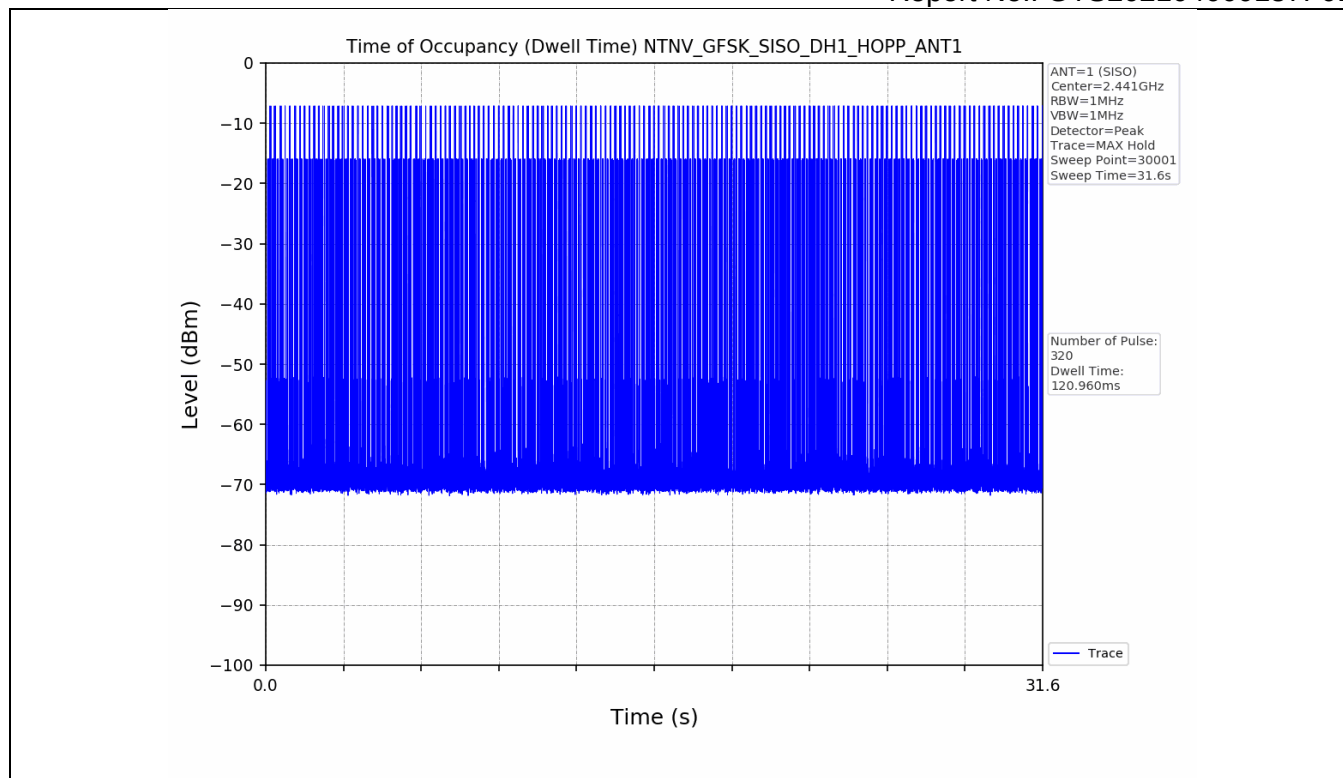
5. Time of Occupancy (Dwell Time)

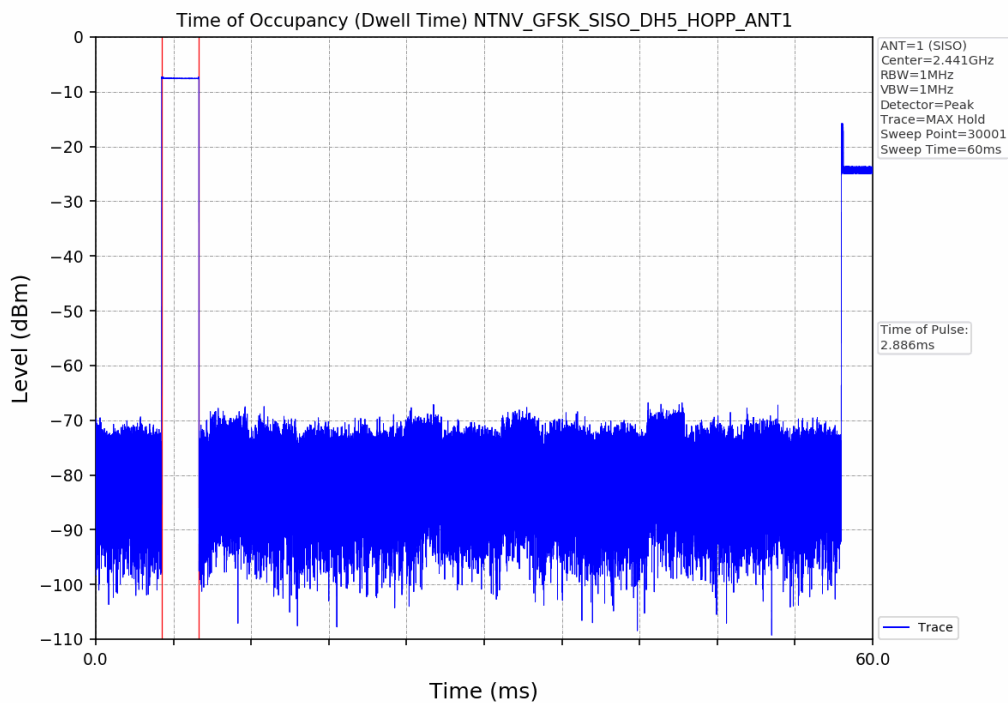
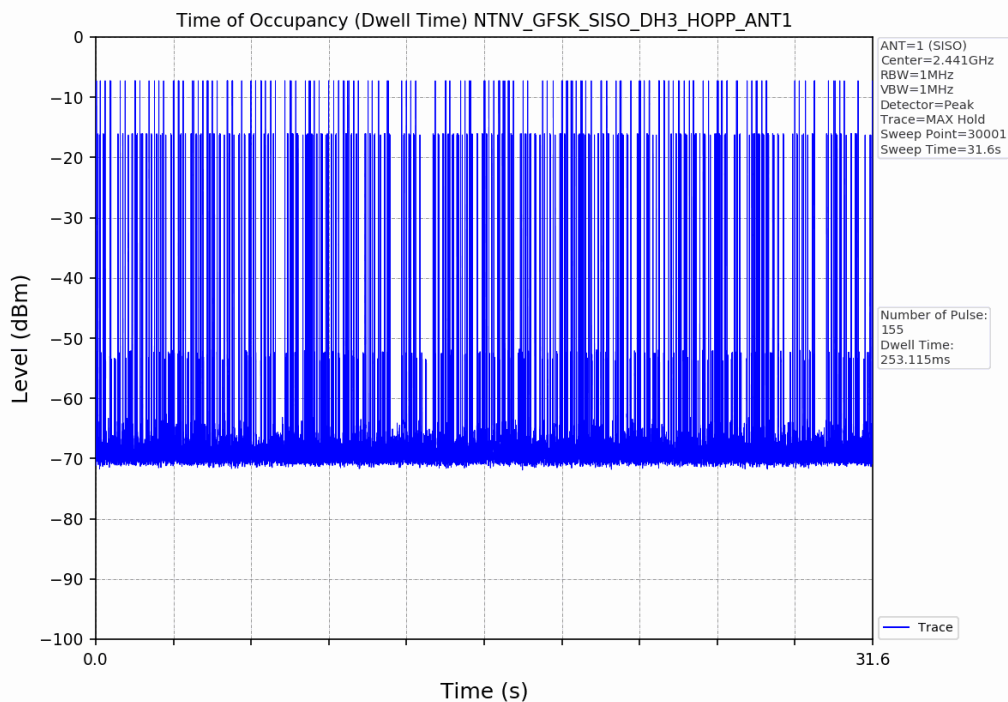
5.1 Test Result

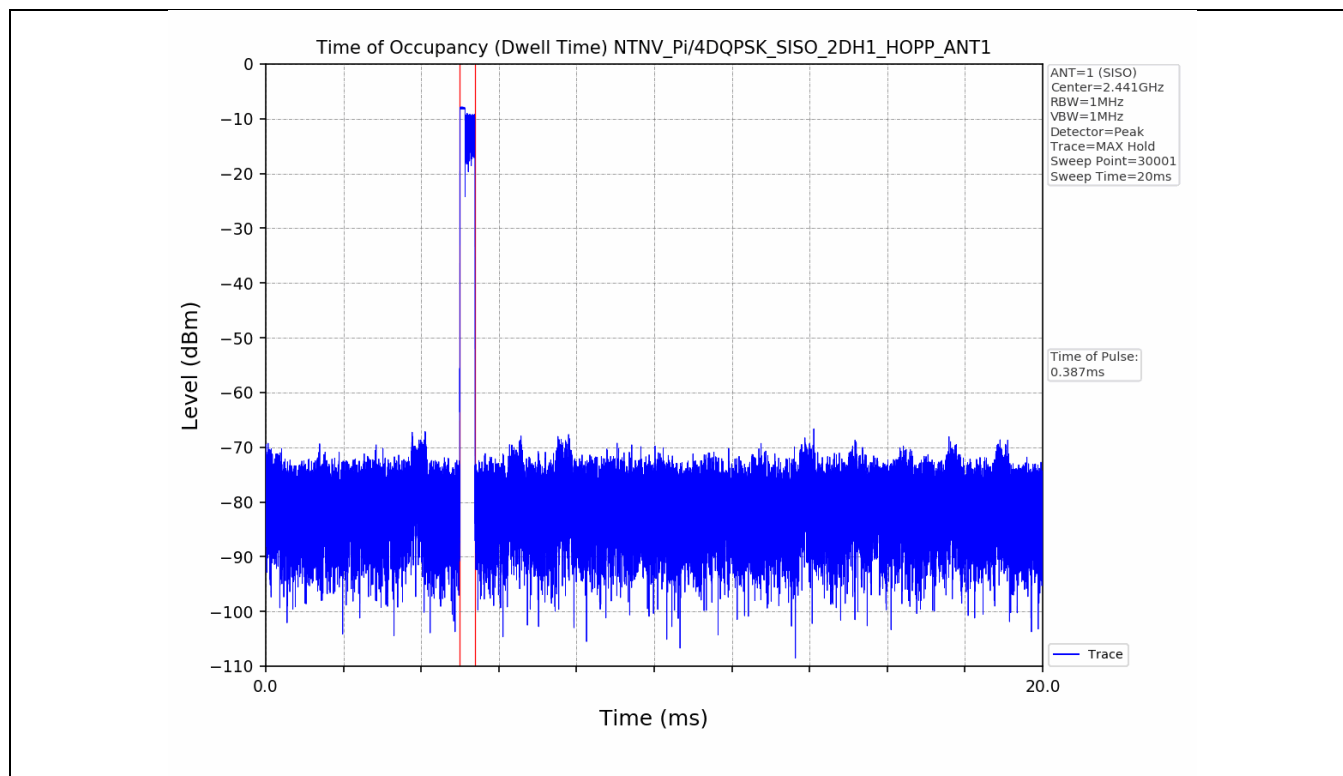
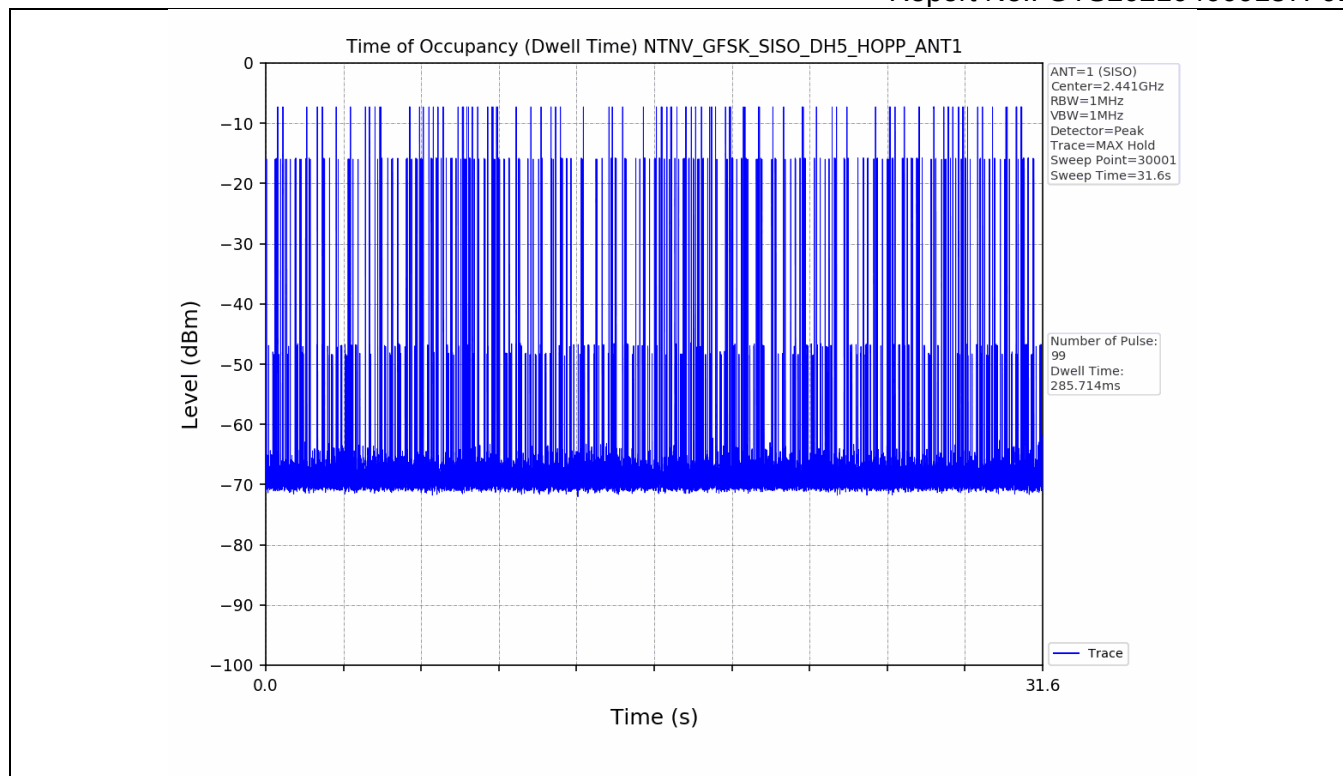
Test Mode	Packet Type	TX Type	ANT No.	Duration of Single Pulse (ms)	Observation Period (s)	Num of Pulse in Observation Period	Dwell Time (ms)	Limits (ms)	Verdict
GFSK	DH1	SISO	1	0.378	31.6	320	120.960	≤400	PASS
	DH3	SISO	1	1.633	31.6	155	253.115	≤400	PASS
	DH5	SISO	1	2.886	31.6	99	285.714	≤400	PASS
Pi/4DQ PSK	2DH1	SISO	1	0.387	31.6	320	123.840	≤400	PASS
	2DH3	SISO	1	1.638	31.6	160	262.080	≤400	PASS
	2DH5	SISO	1	2.886	31.6	103	297.258	≤400	PASS
8DPSK	3DH1	SISO	1	0.387	31.6	320	123.840	≤400	PASS
	3DH3	SISO	1	1.637	31.6	162	265.194	≤400	PASS
	3DH5	SISO	1	2.889	31.6	110	317.790	≤400	PASS

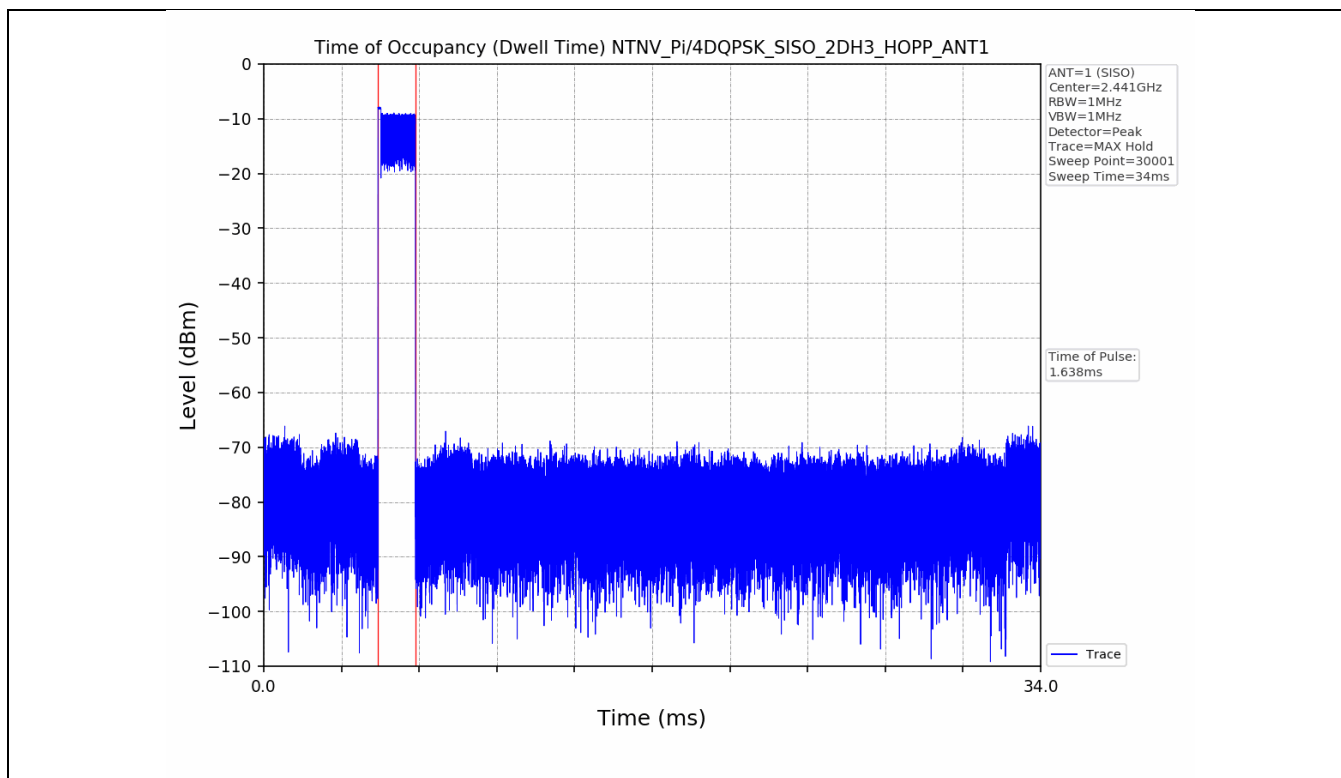
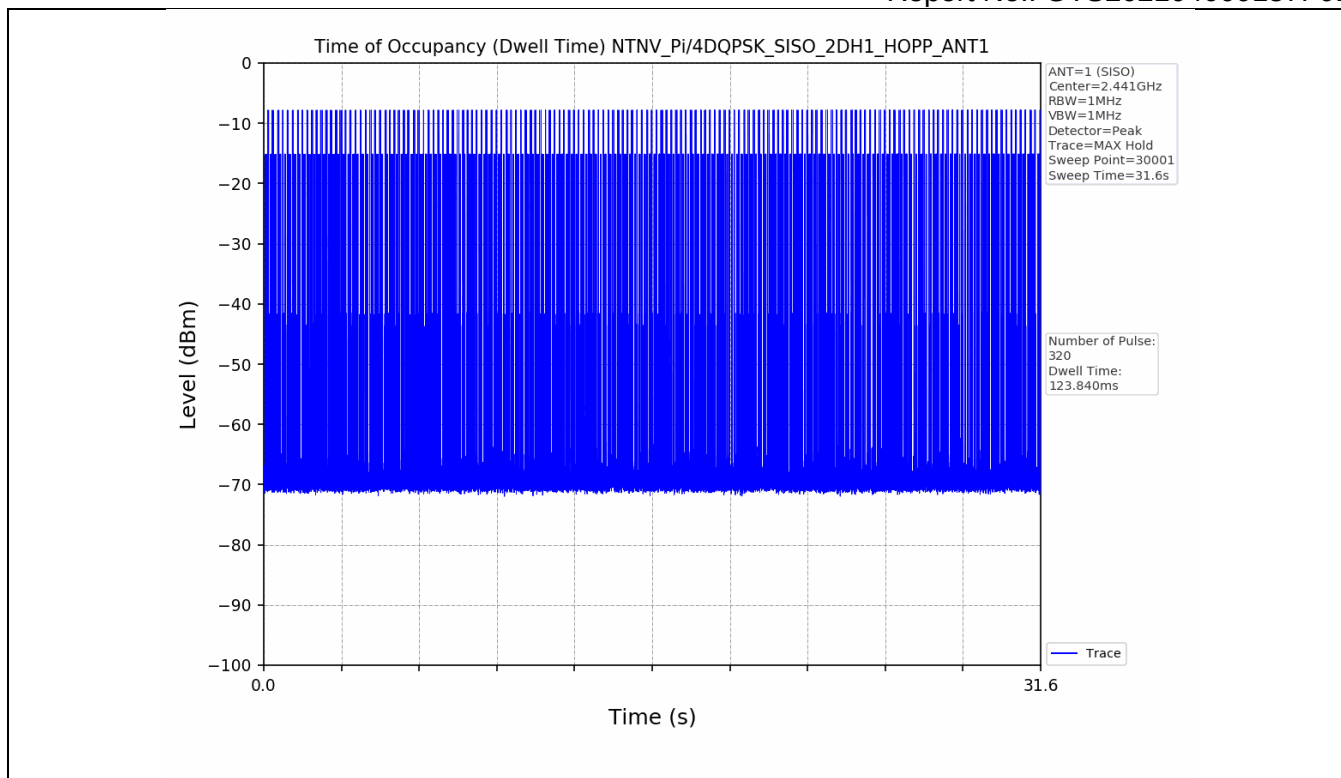
5.2 Test Graph

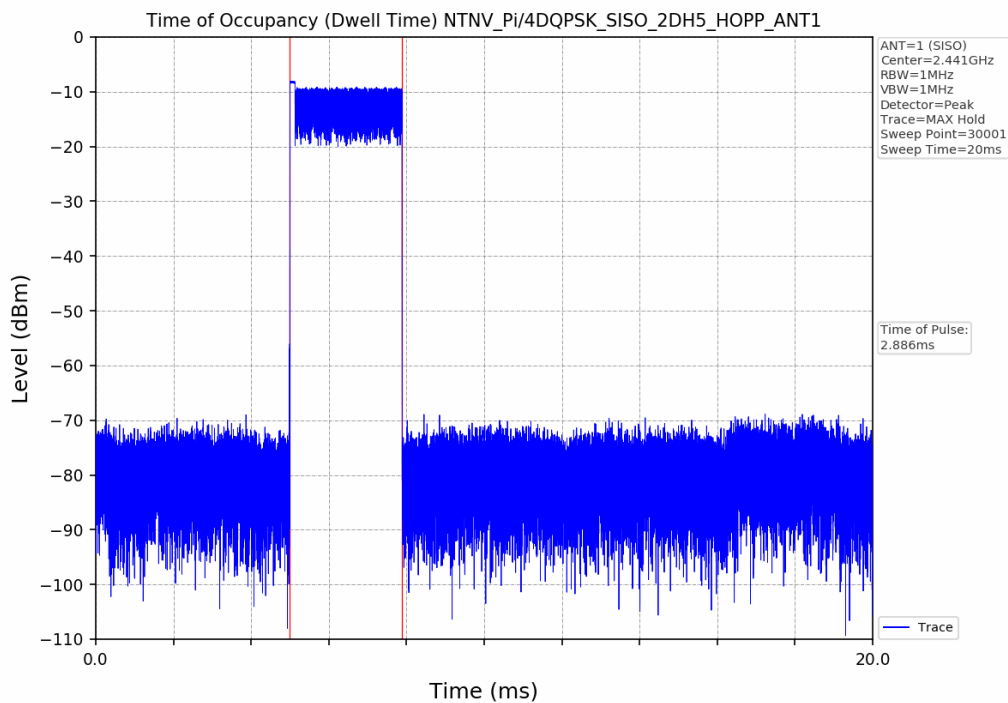
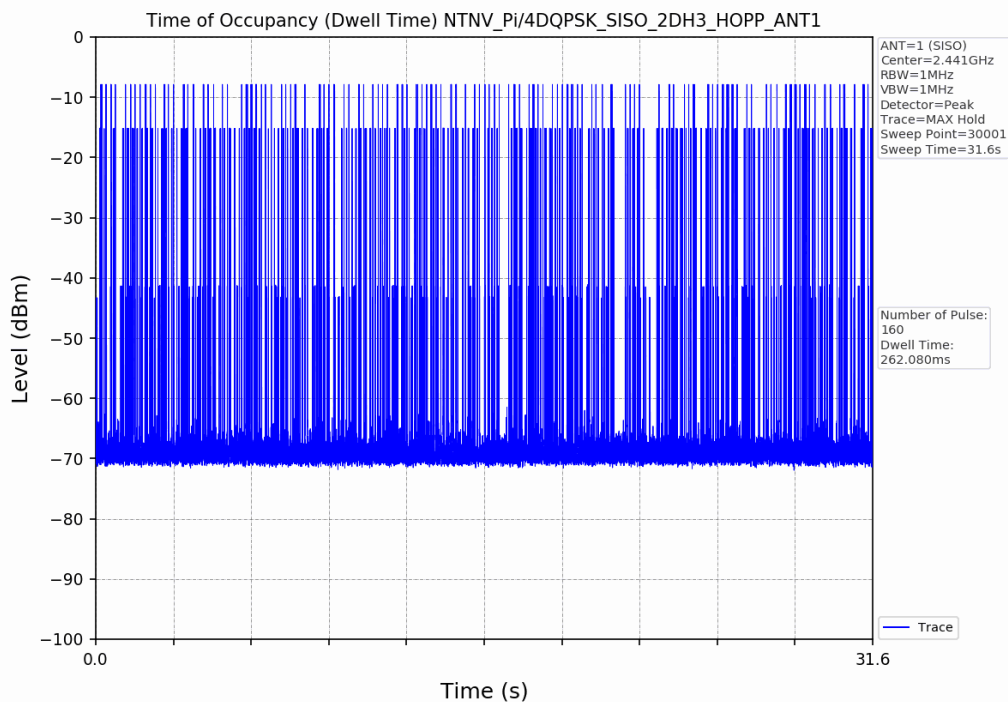


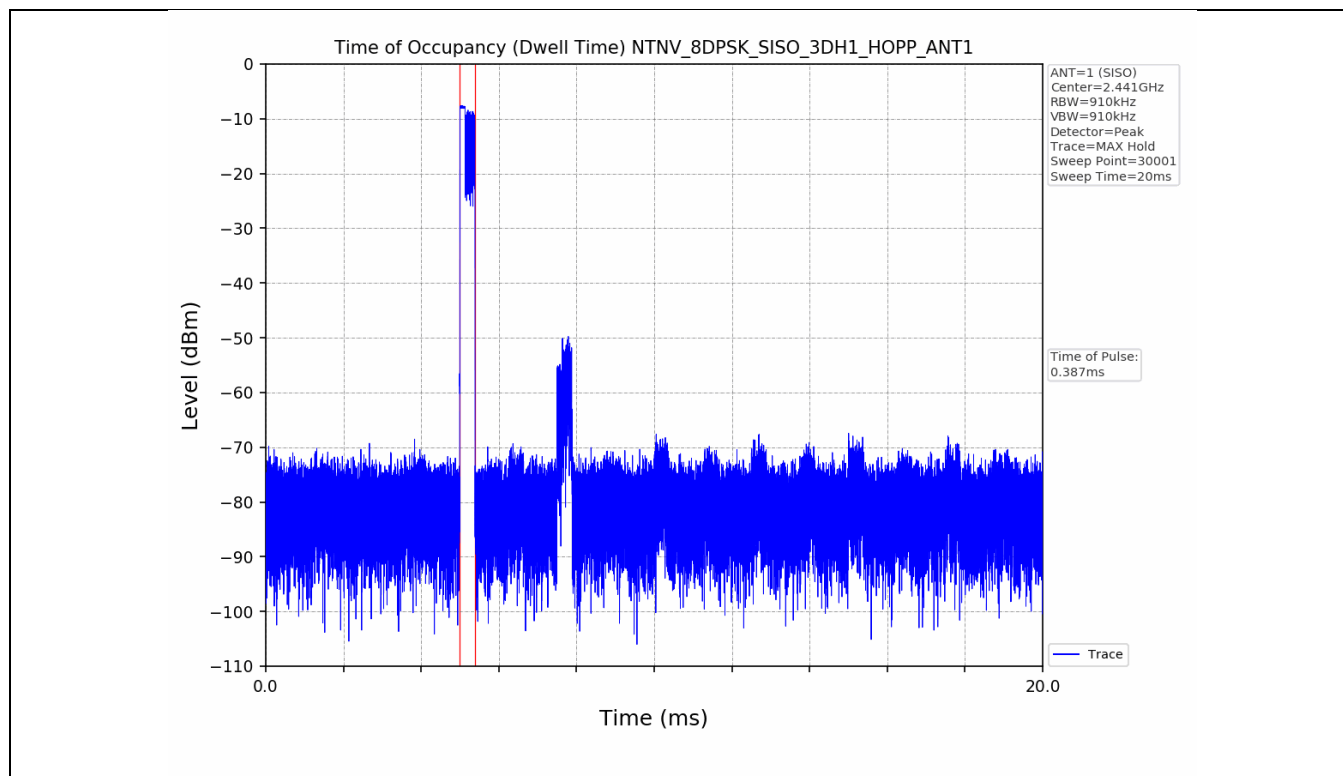
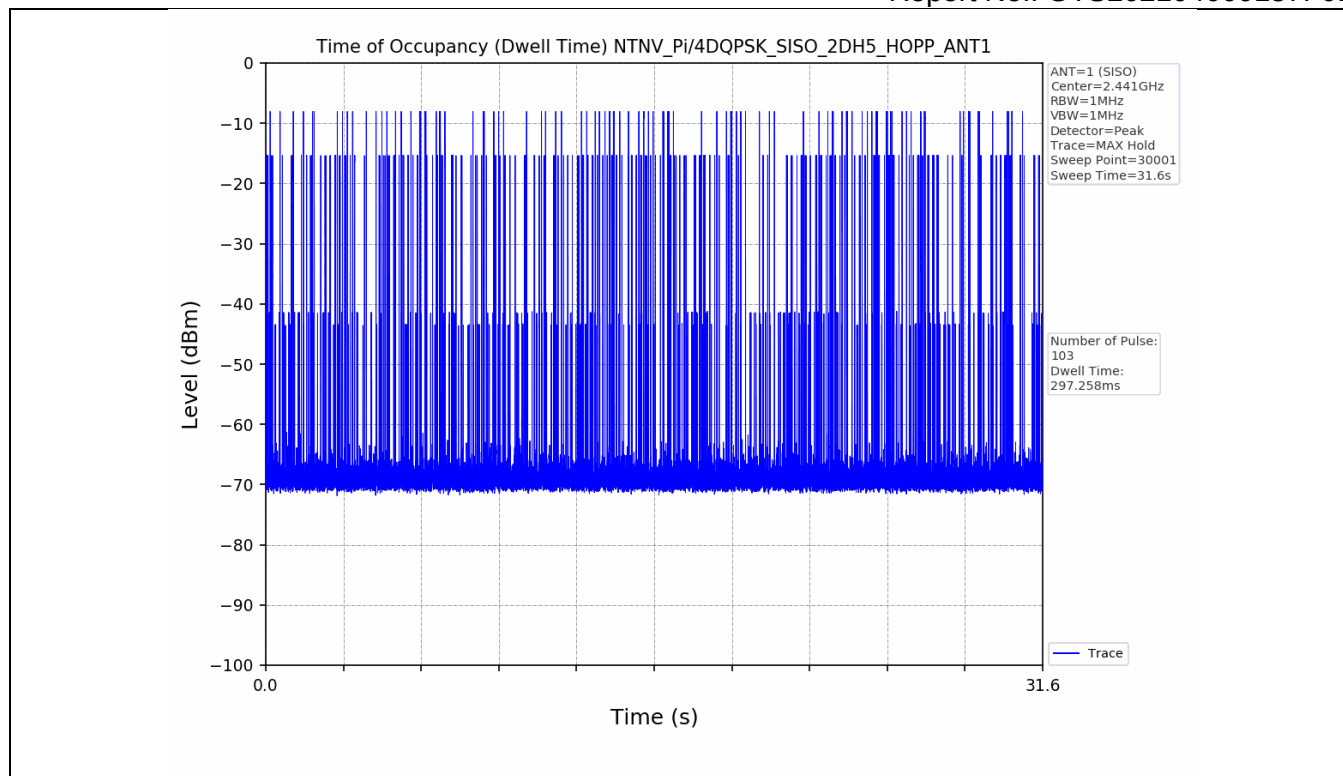


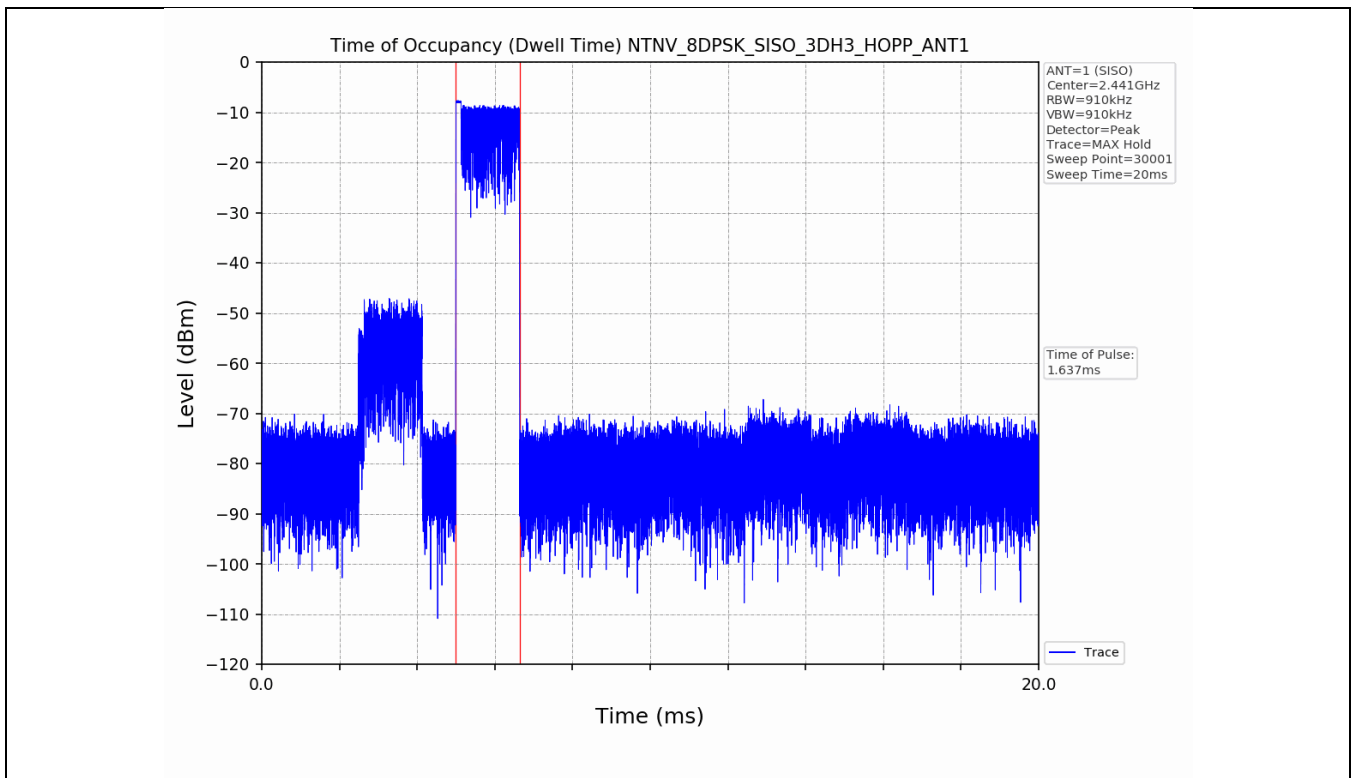
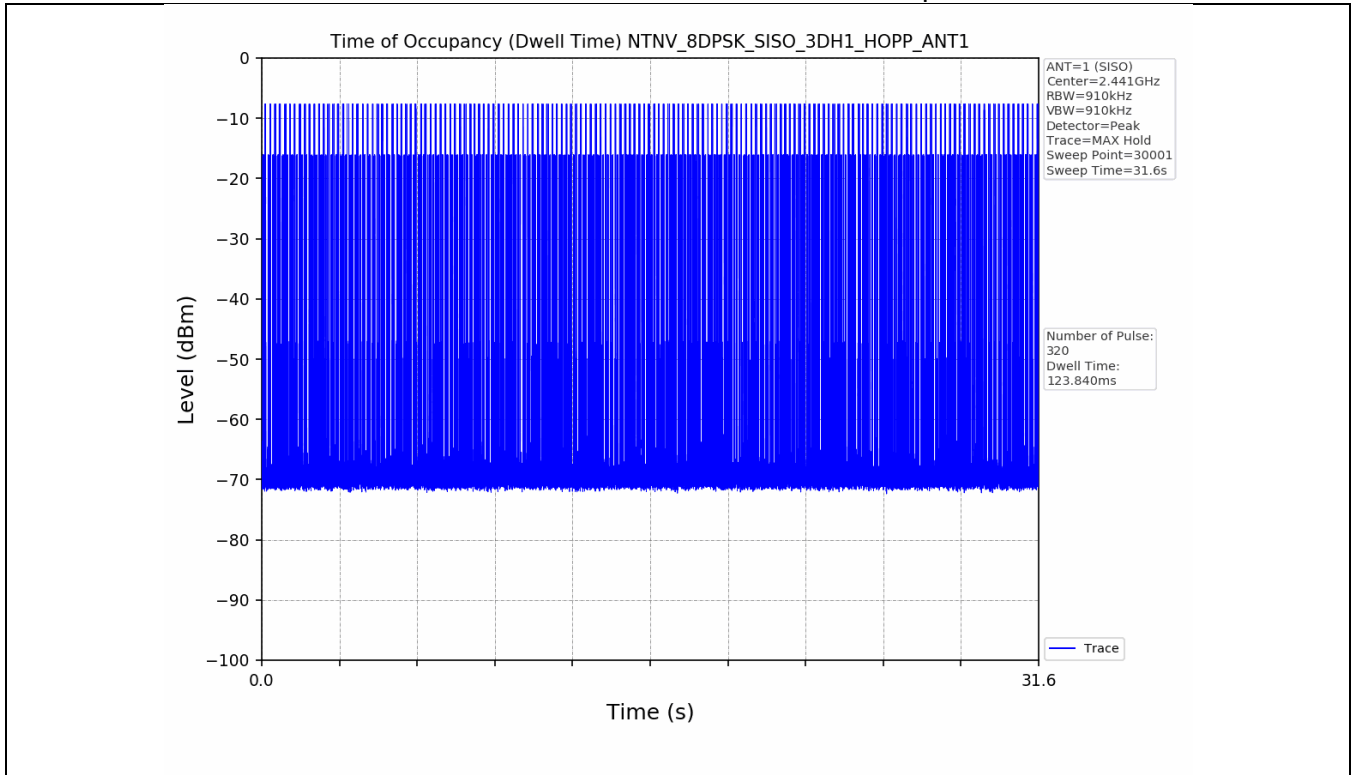


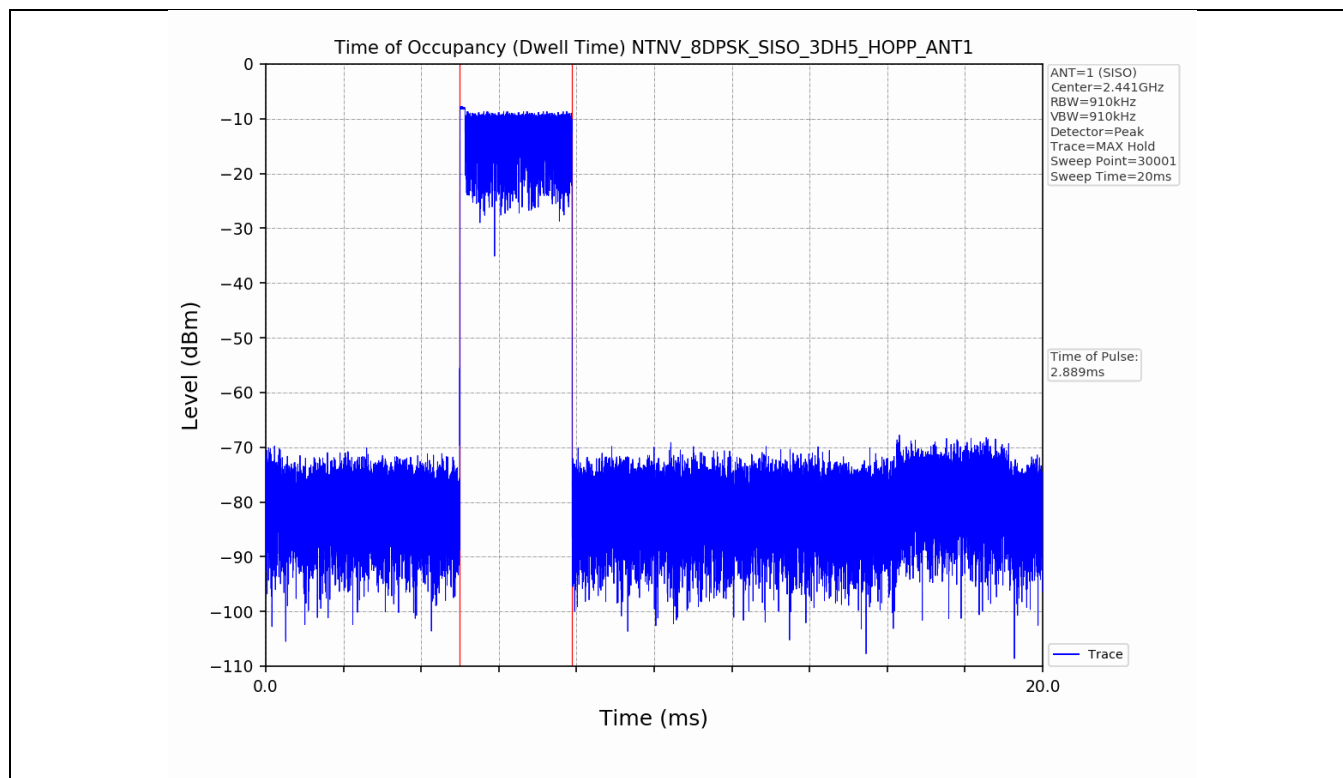
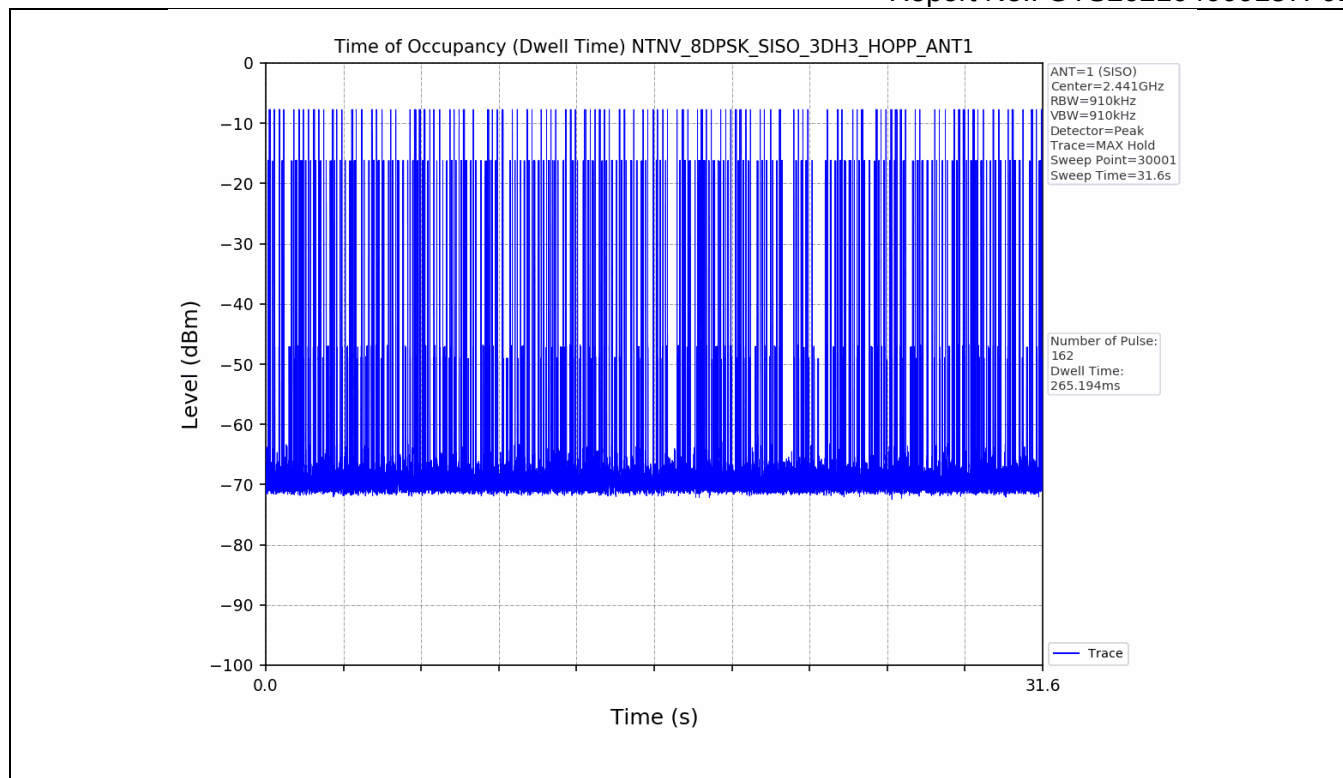


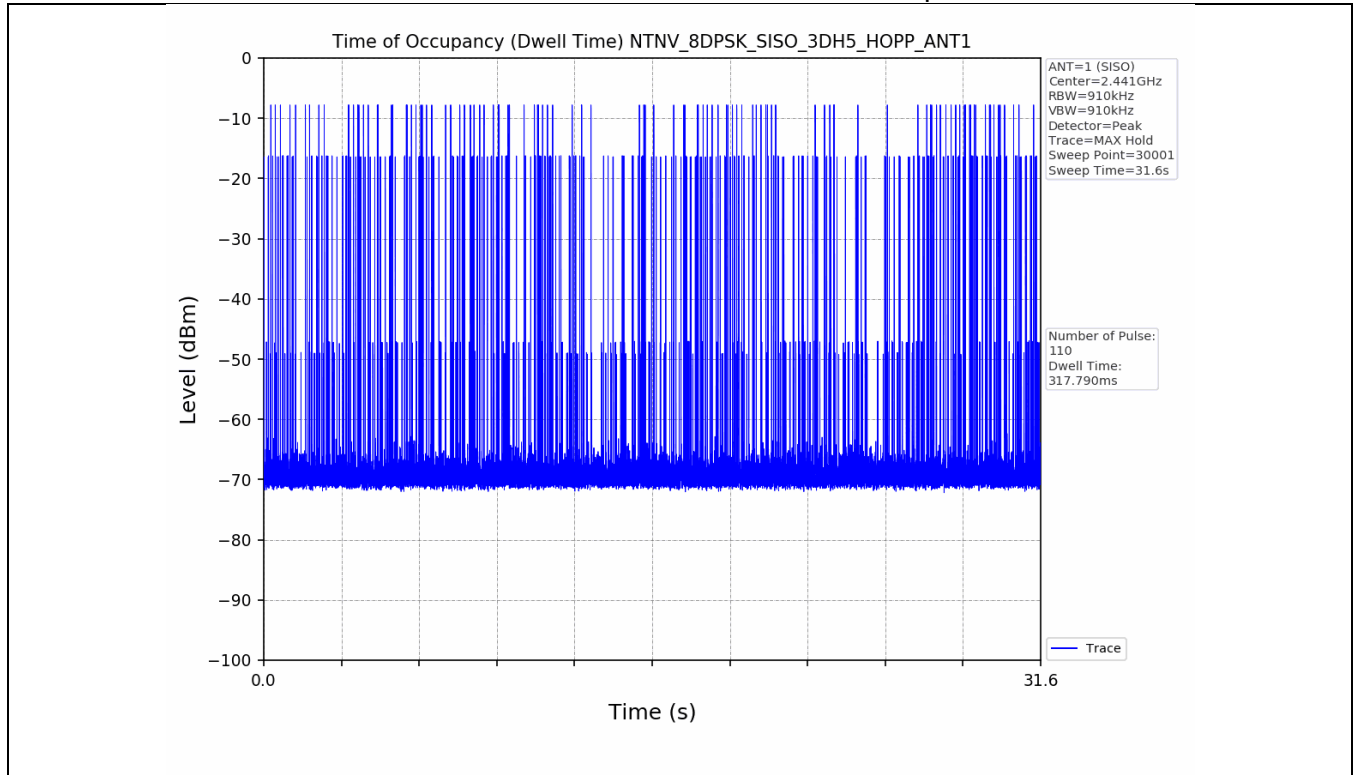












6. Unwanted Emissions in Non-restricted Frequency Bands

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	-21.31	PASS
	2441	SISO	1	Refer to test graph	-21.31	PASS
	2480	SISO	1	Refer to test graph	-21.31	PASS
	Hopping	SISO	1	Refer to test graph	-21.31	PASS
Pi/4DQPSK	2402	SISO	1	Refer to test graph	-21.61	PASS
	2441	SISO	1	Refer to test graph	-21.61	PASS
	2480	SISO	1	Refer to test graph	-21.61	PASS
	Hopping	SISO	1	Refer to test graph	-21.61	PASS
8DPSK	2402	SISO	1	Refer to test graph	-21.51	PASS
	2441	SISO	1	Refer to test graph	-21.51	PASS
	2480	SISO	1	Refer to test graph	-21.51	PASS
	Hopping	SISO	1	Refer to test graph	-21.51	PASS

6.2 Test Graph

