

Appendix B for KSEM200800092902

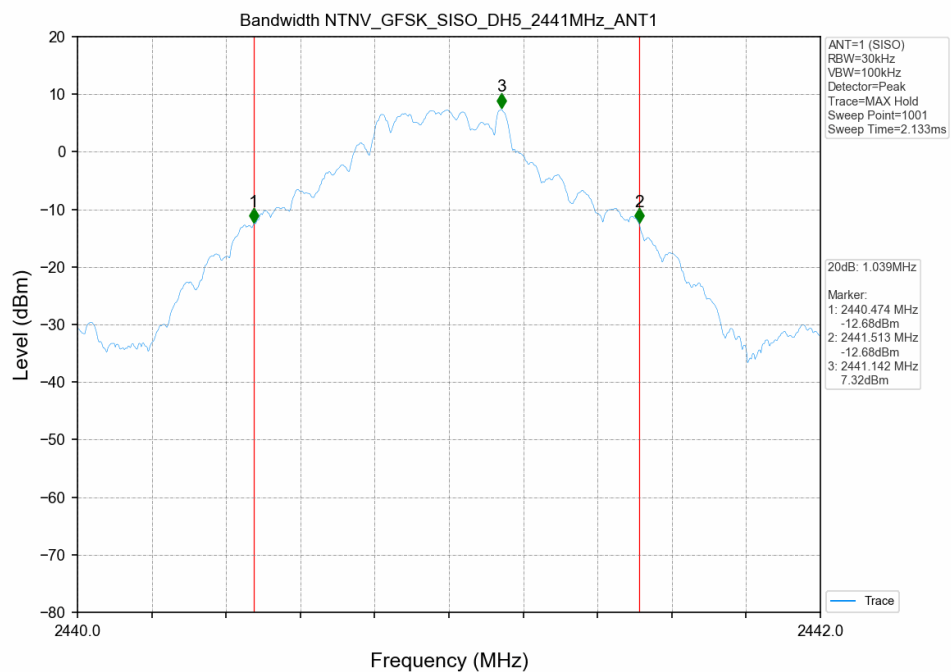
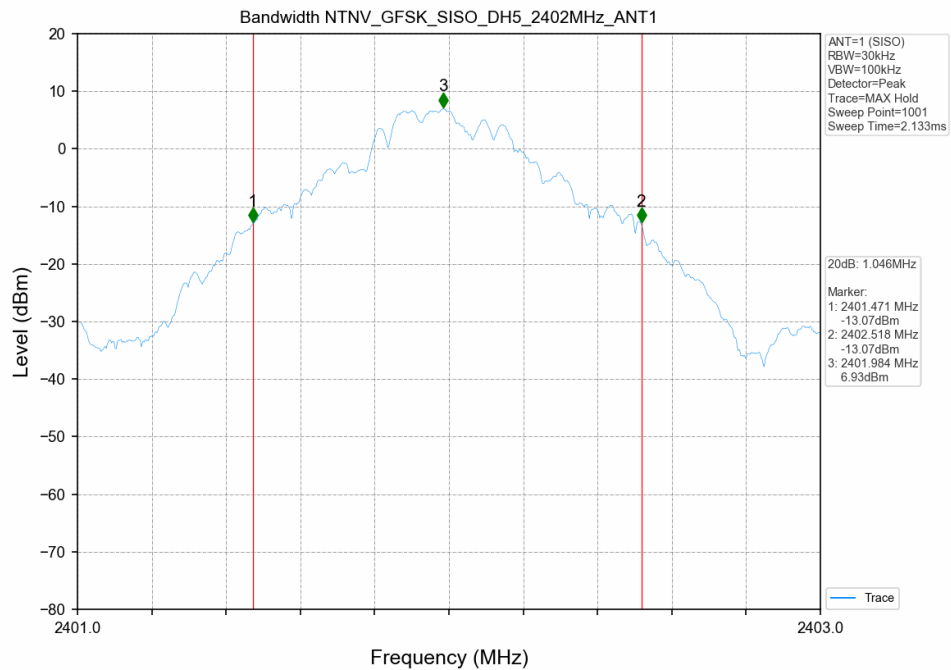
1. Bandwidth

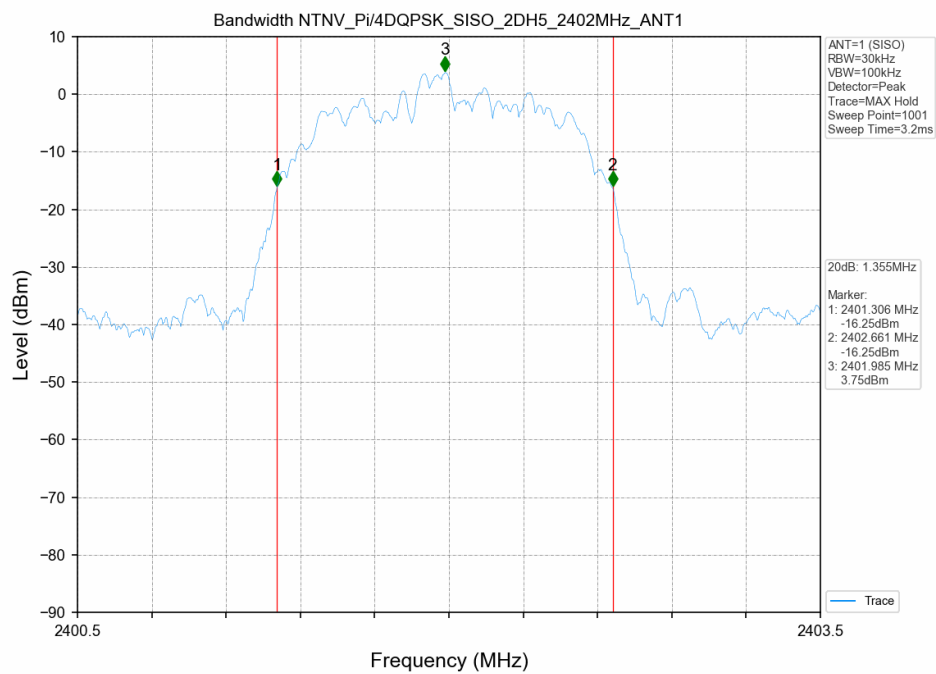
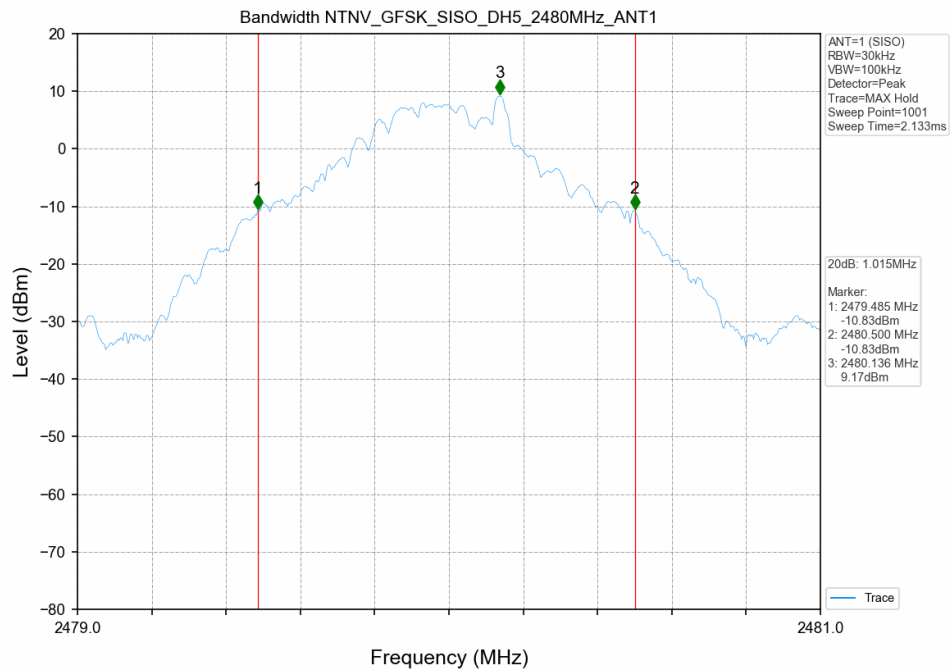
1.1 Test Result

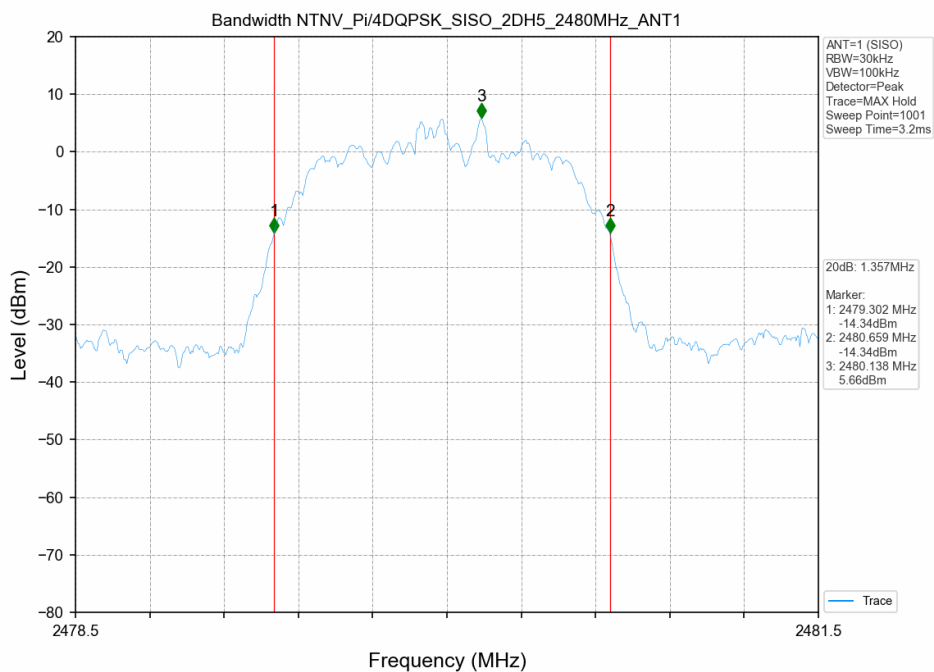
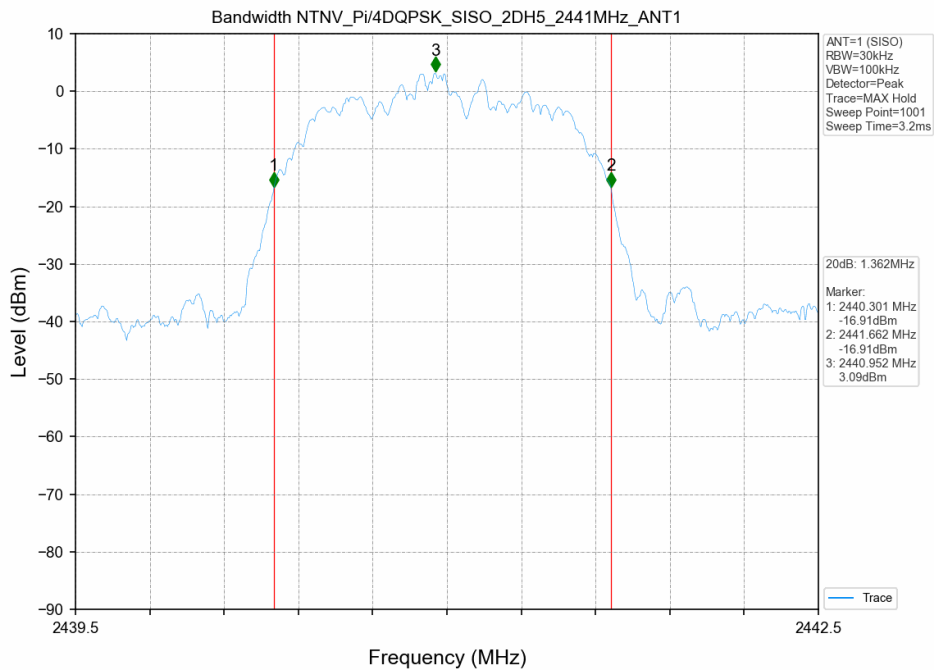
Test Mode	Frequency (MHz)	TX Type	ANT No.	20dB Bandwidth	Verdict
				Test Result (MHz)	
GFSK	2402	SISO	1	1.046	PASS
	2441	SISO	1	1.039	PASS
	2480	SISO	1	1.015	PASS
Pi/4DQPSK	2402	SISO	1	1.355	PASS
	2441	SISO	1	1.362	PASS
	2480	SISO	1	1.357	PASS
8DPSK	2402	SISO	1	1.334	PASS
	2441	SISO	1	1.339	PASS
	2480	SISO	1	1.316	PASS

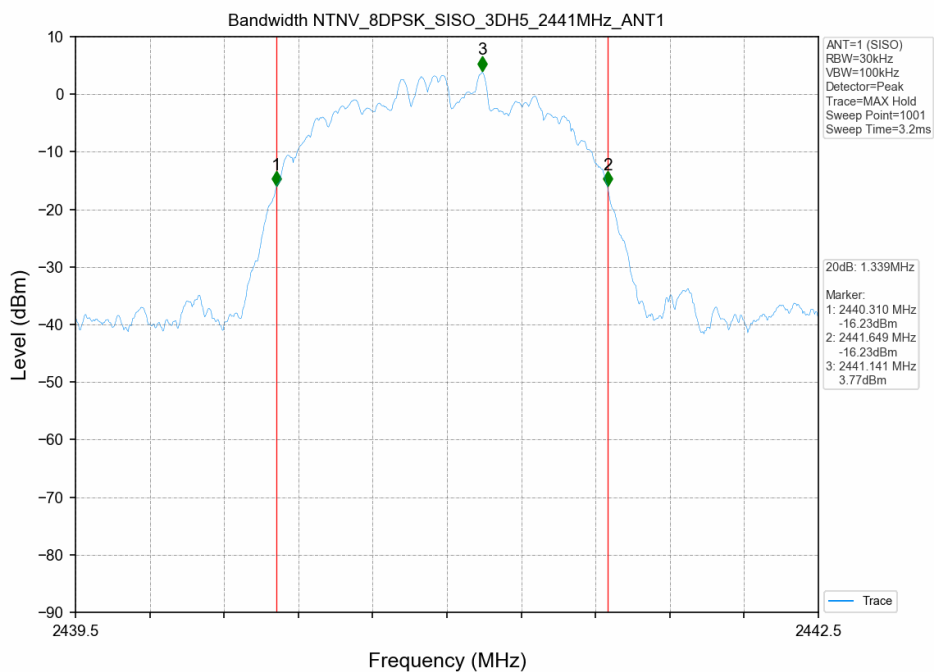
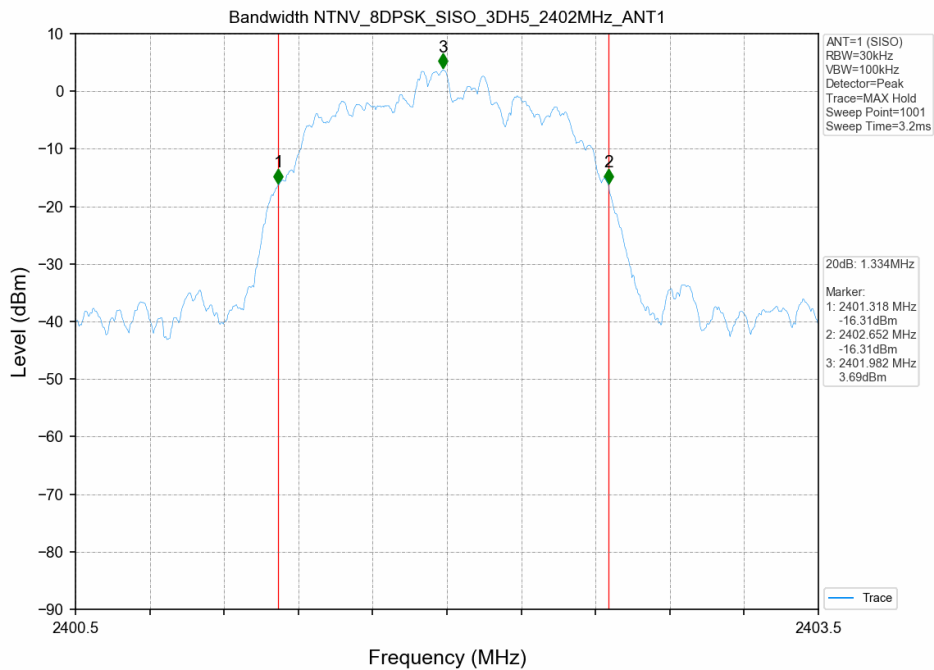
Test Mode	Frequency (MHz)	TX Type	ANT No.	99% Occupied Bandwidth	
				Test Result (MHz)	
GFSK	2402	SISO	1	0.938	Only for Report Use
	2441	SISO	1	0.911	Only for Report Use
	2480	SISO	1	0.915	Only for Report Use
Pi/4DQPSK	2402	SISO	1	1.198	Only for Report Use
	2441	SISO	1	1.210	Only for Report Use
	2480	SISO	1	1.209	Only for Report Use
8DPSK	2402	SISO	1	1.180	Only for Report Use
	2441	SISO	1	1.210	Only for Report Use
	2480	SISO	1	1.211	Only for Report Use

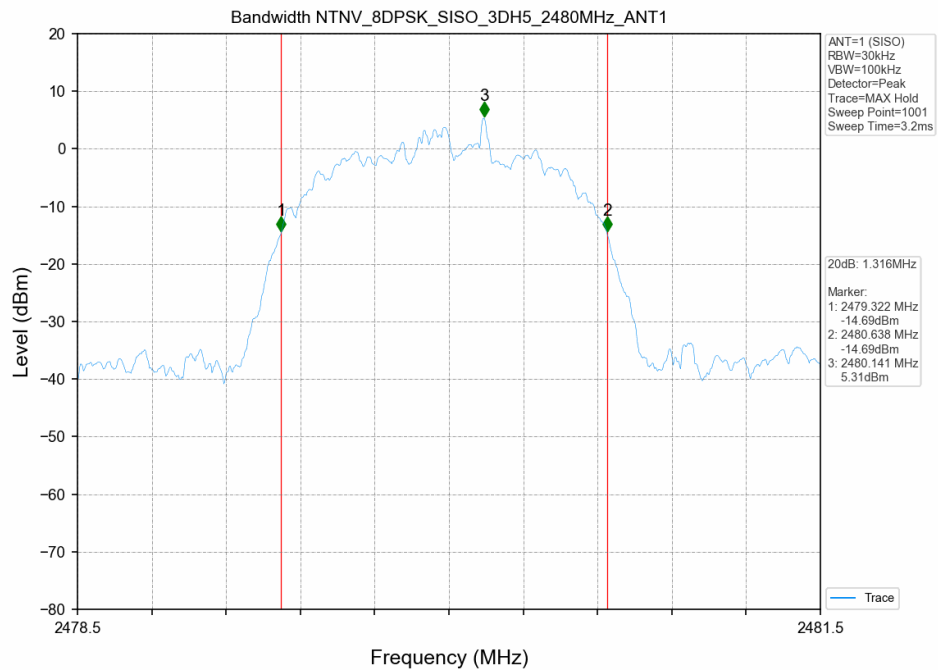
1.2 Test Graph - 20dB Bandwidth



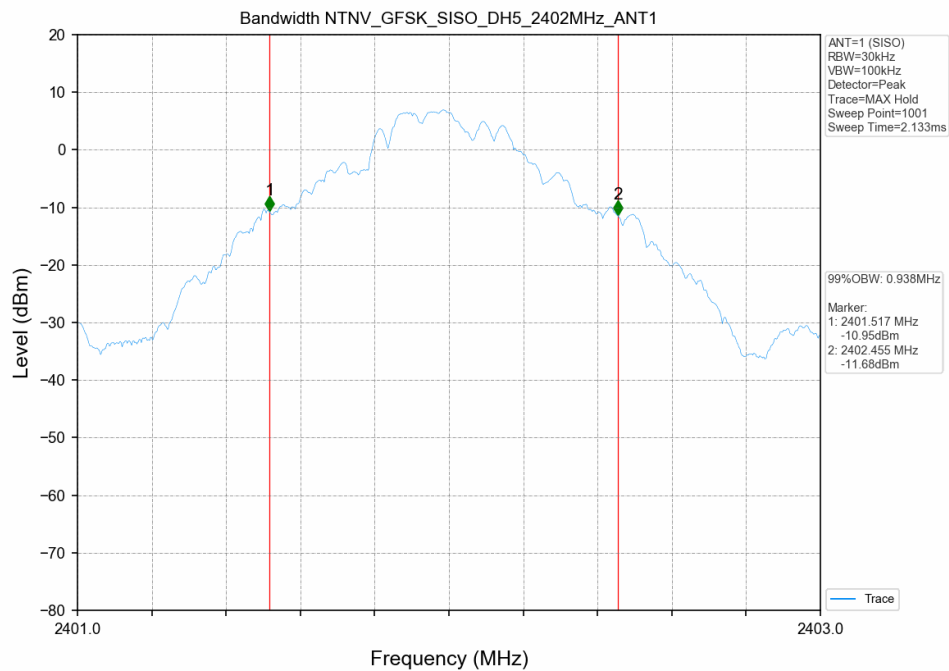


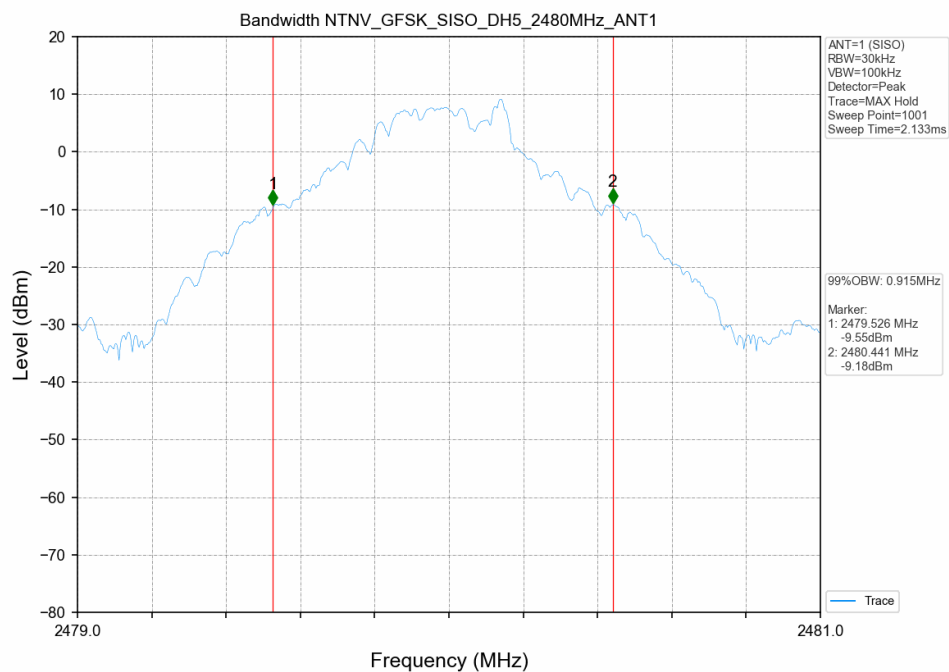
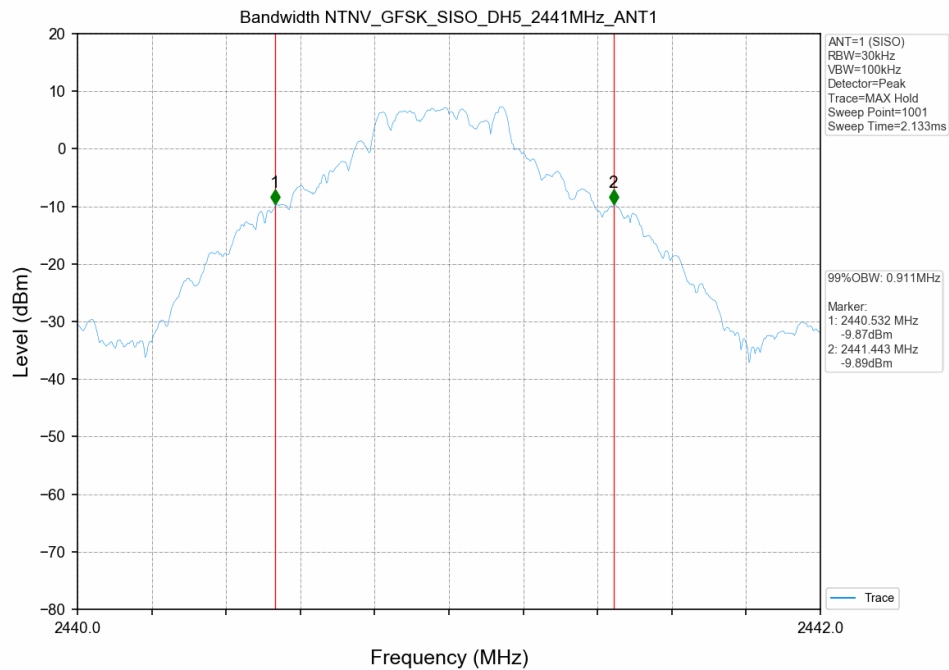


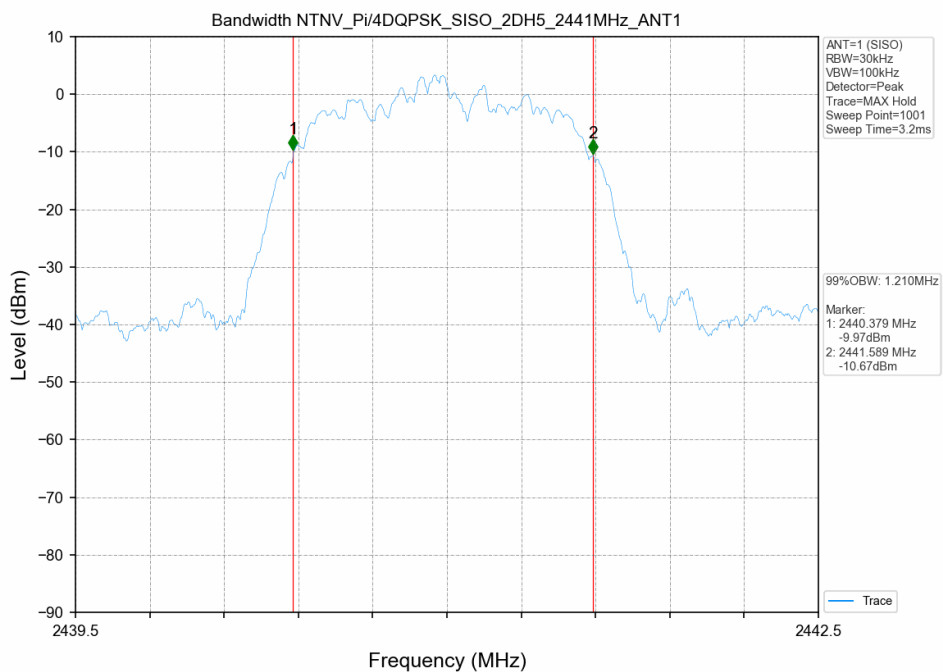
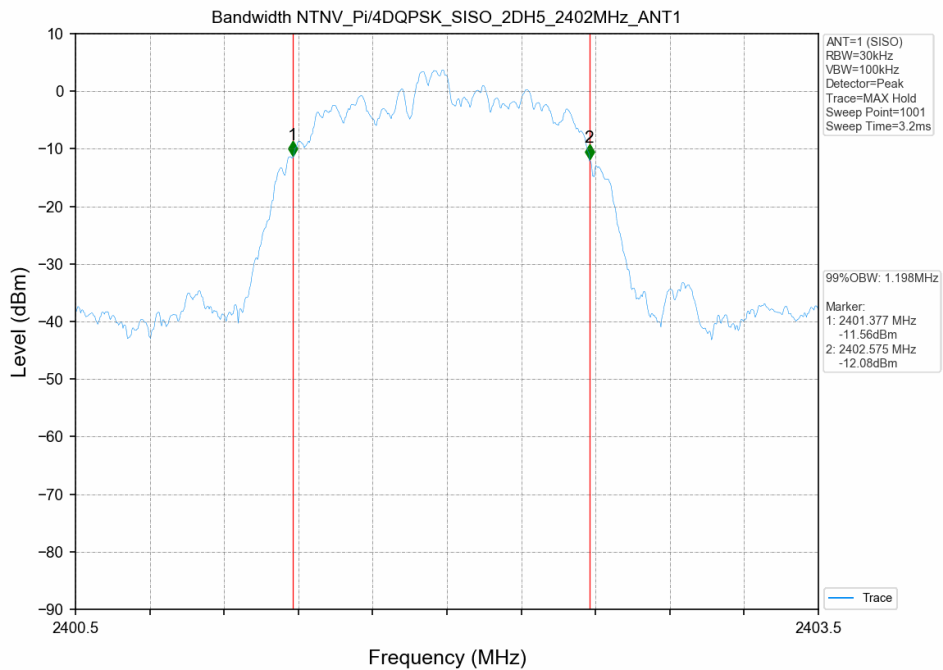


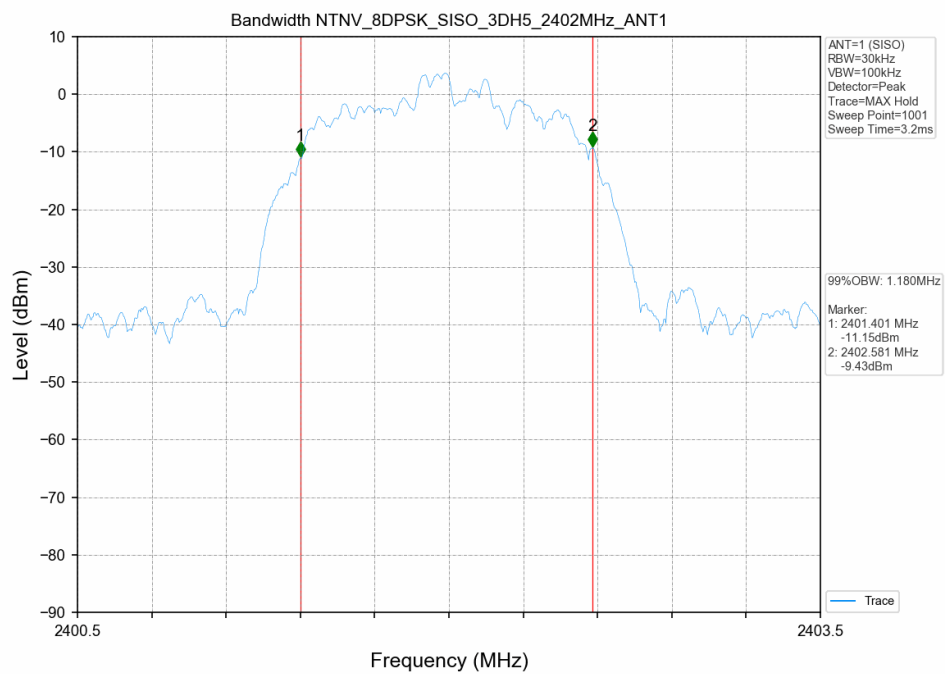
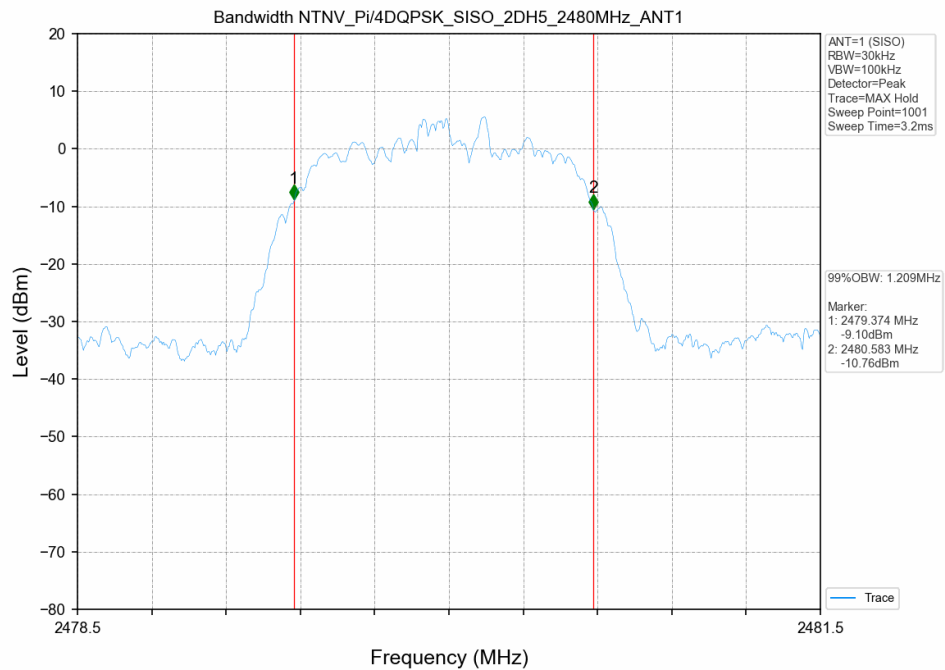


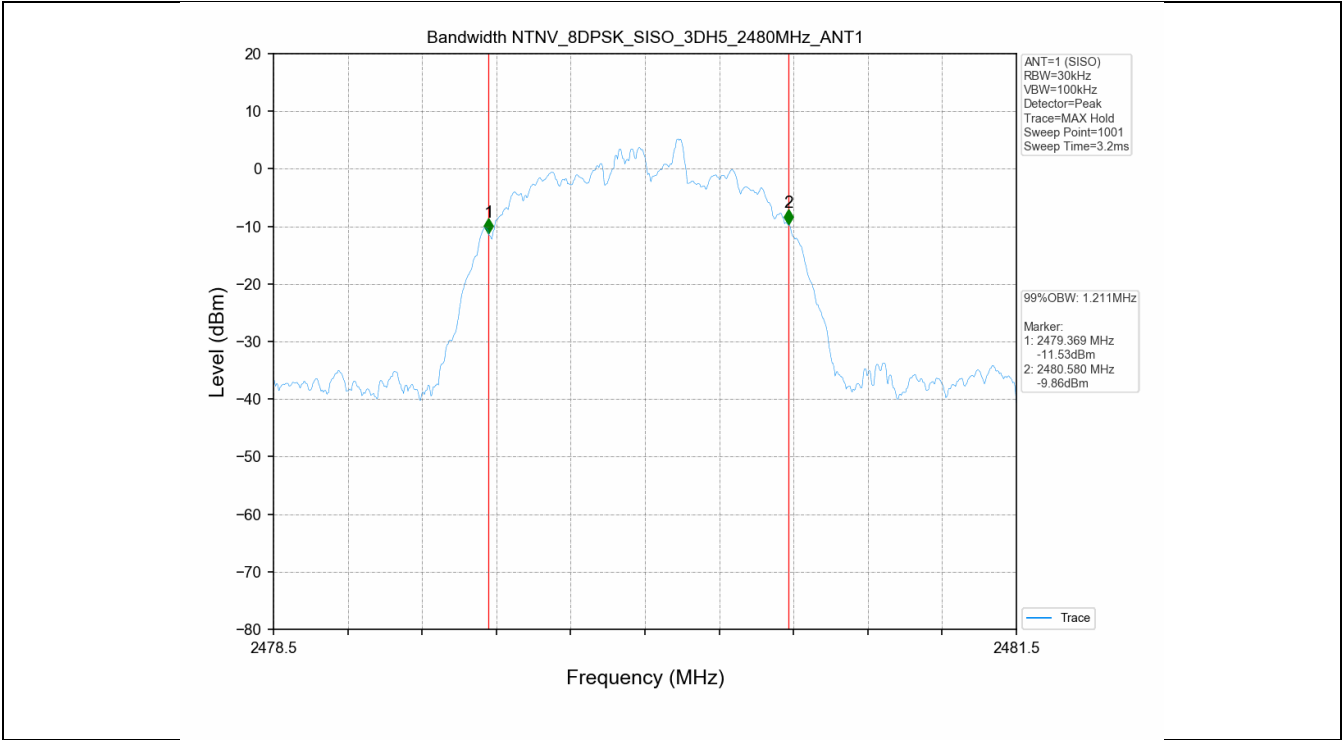
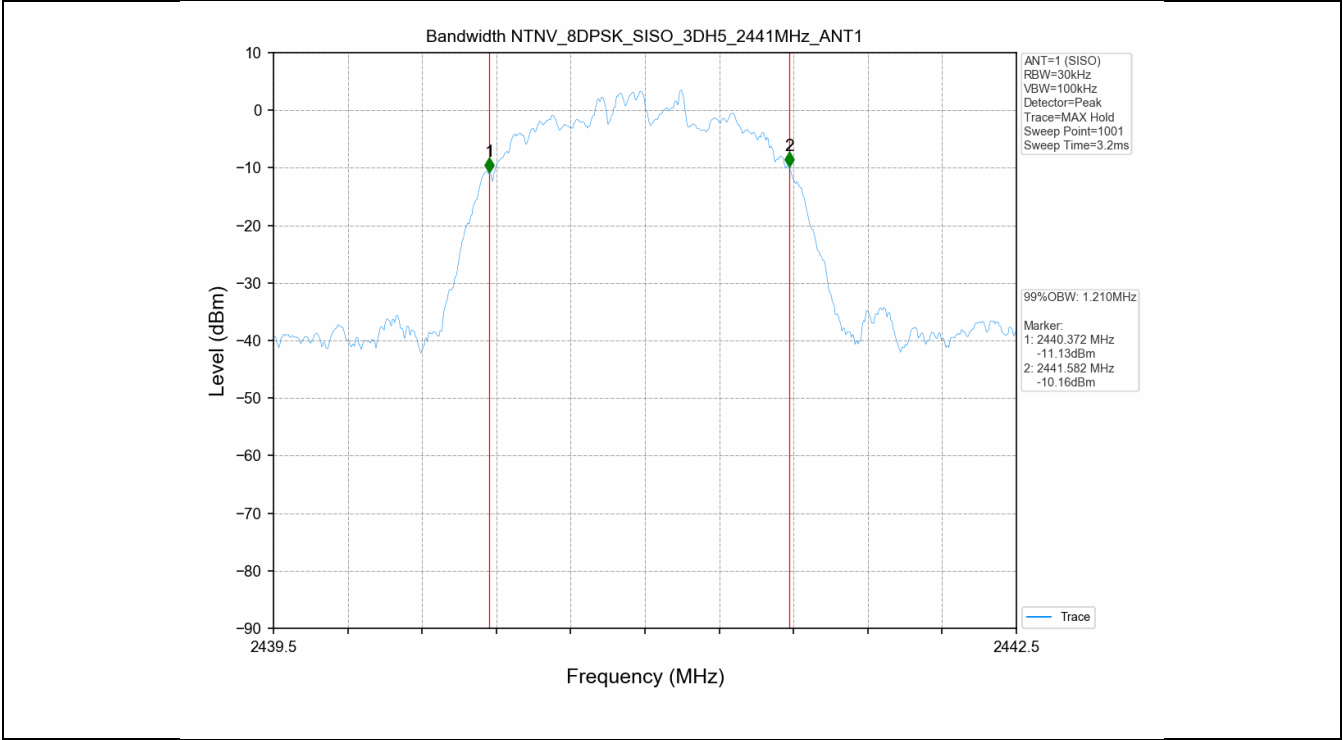
1.3 Test Graph - 99% Occupied Bandwidth









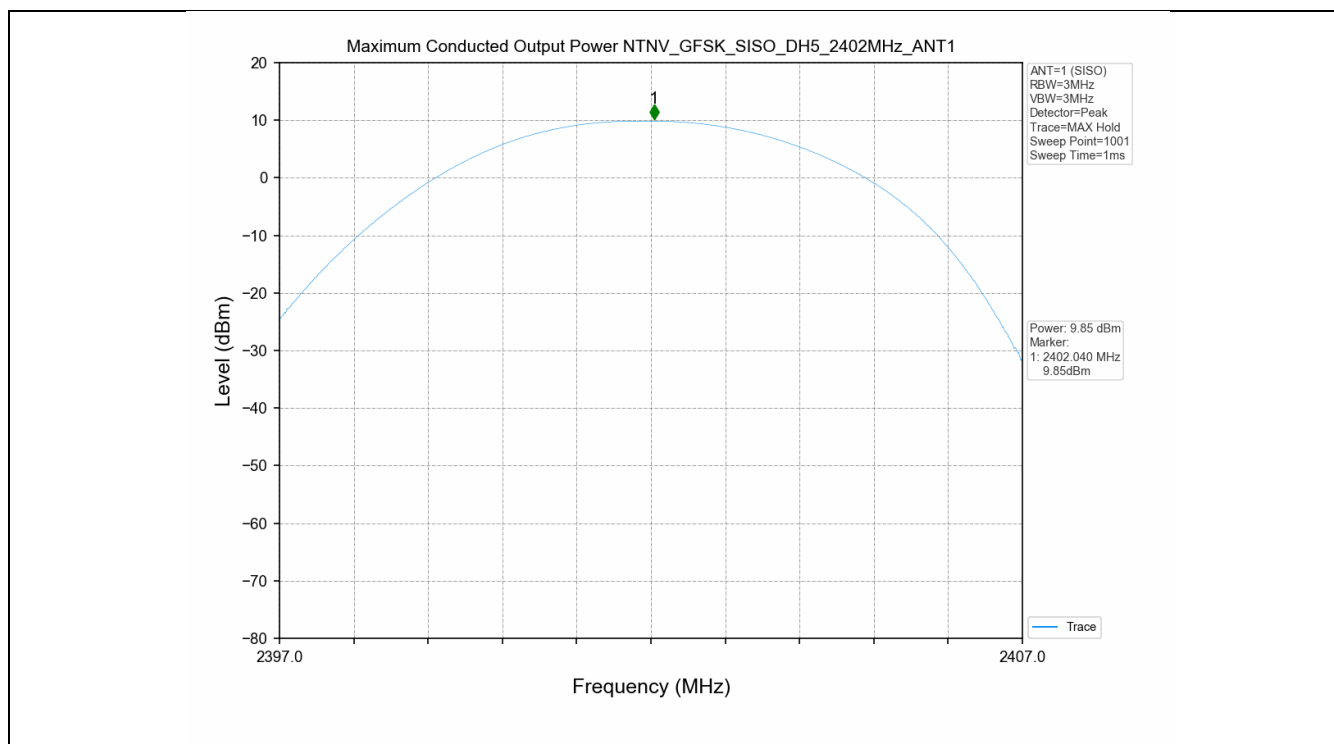


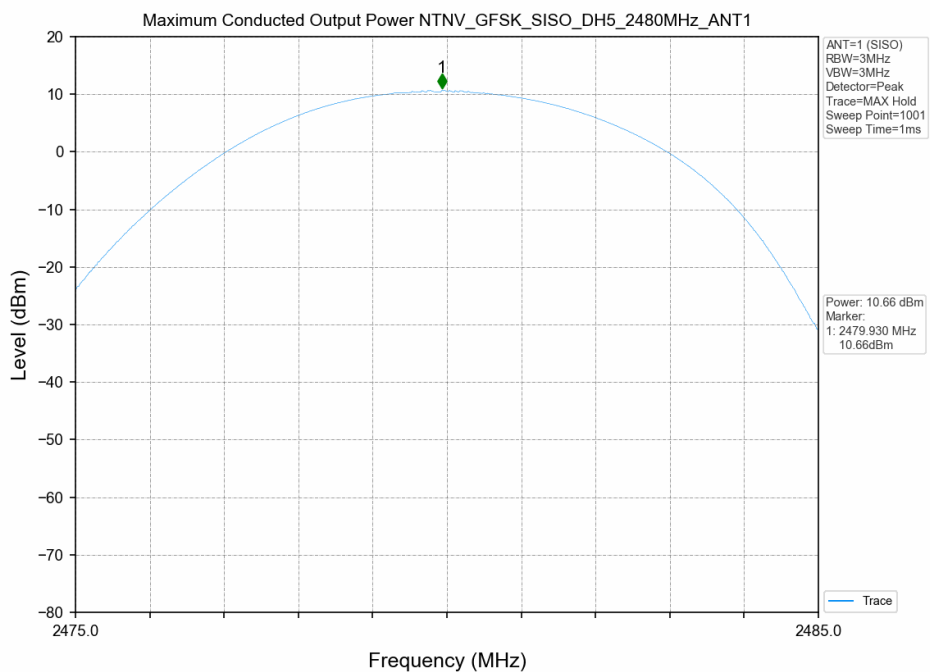
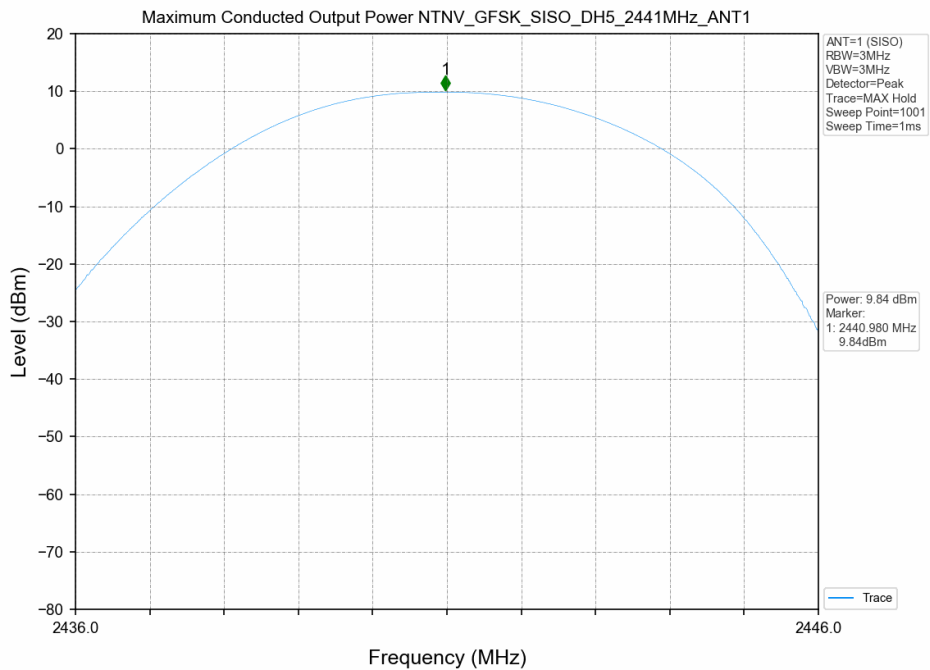
2. Maximum Conducted Output Power

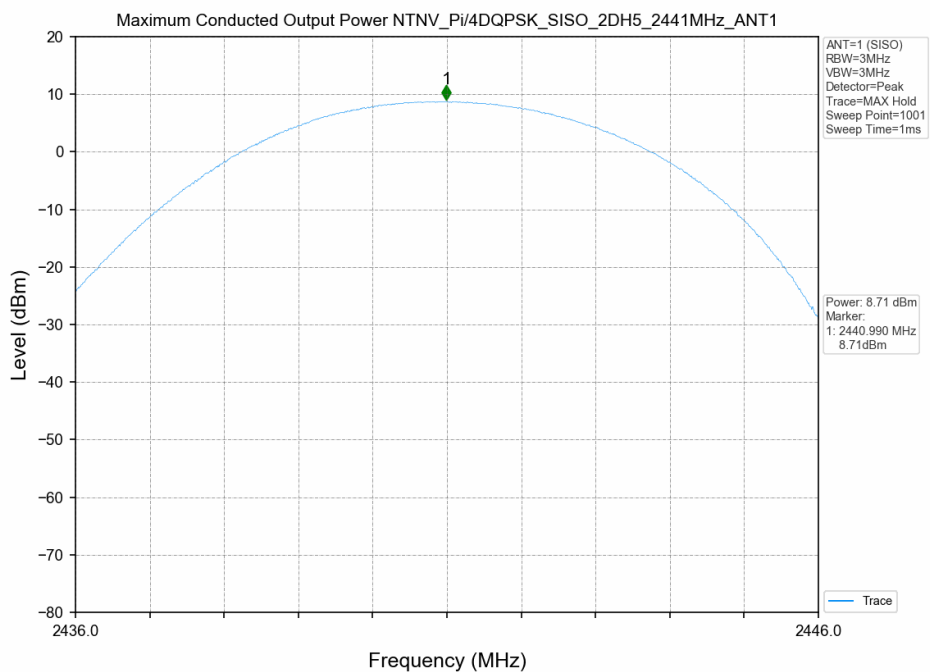
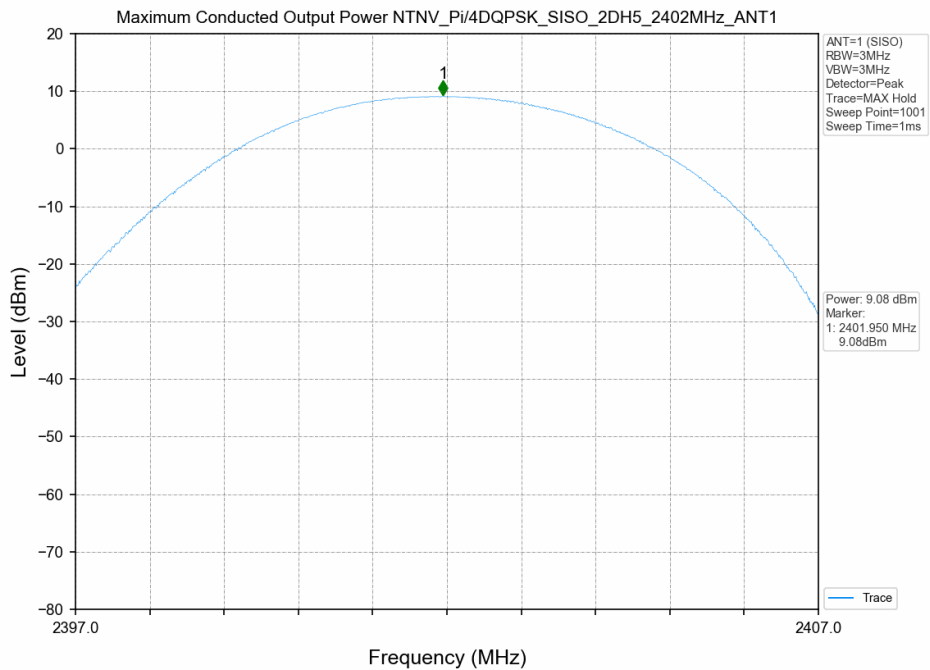
2.1 Test Result

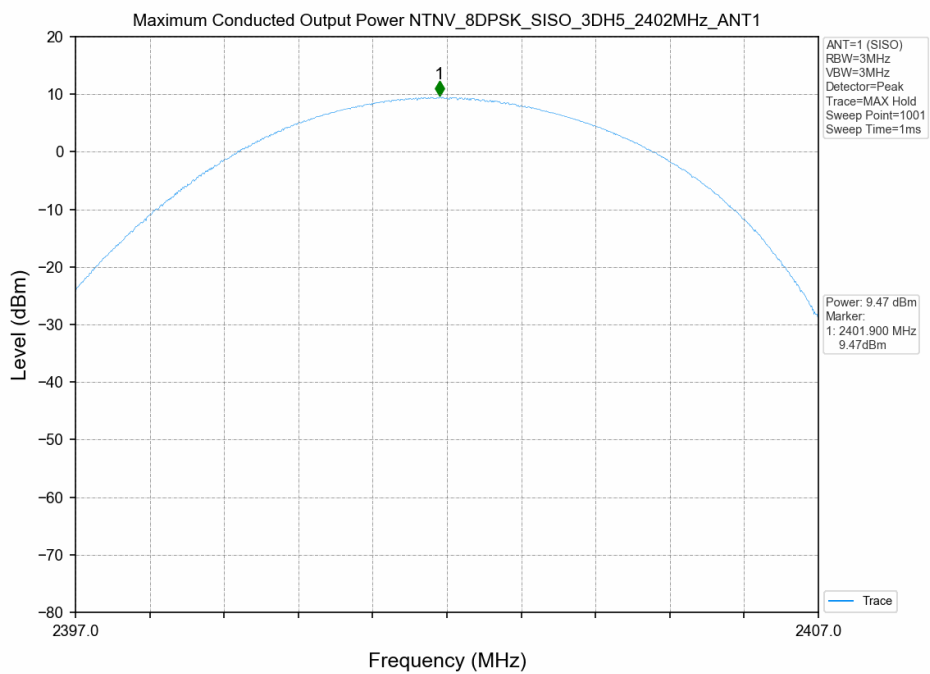
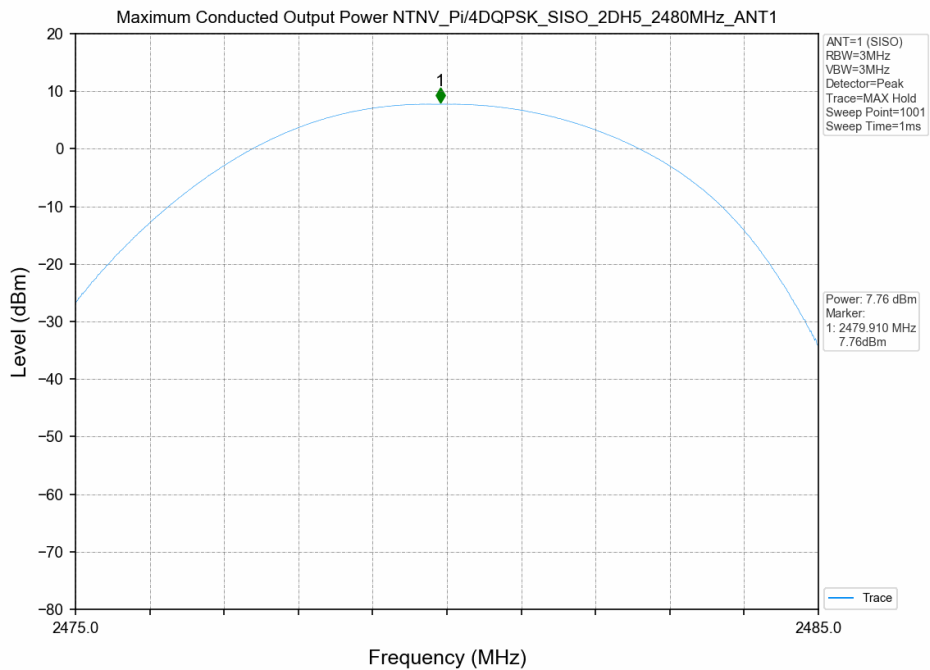
Test Mode	Frequency (MHz)	Tx Type	Measured Peak Output Power (dBm)	Limits (dBm)	Verdict
			Ant 1		
GFSK	2402	SISO	9.85	20.97	PASS
	2441	SISO	9.84	20.97	PASS
	2480	SISO	10.66	20.97	PASS
Pi/4DQPSK	2402	SISO	9.08	20.97	PASS
	2441	SISO	8.71	20.97	PASS
	2480	SISO	7.76	20.97	PASS
8DPSK	2402	SISO	9.47	20.97	PASS
	2441	SISO	9.12	20.97	PASS
	2480	SISO	9.39	20.97	PASS

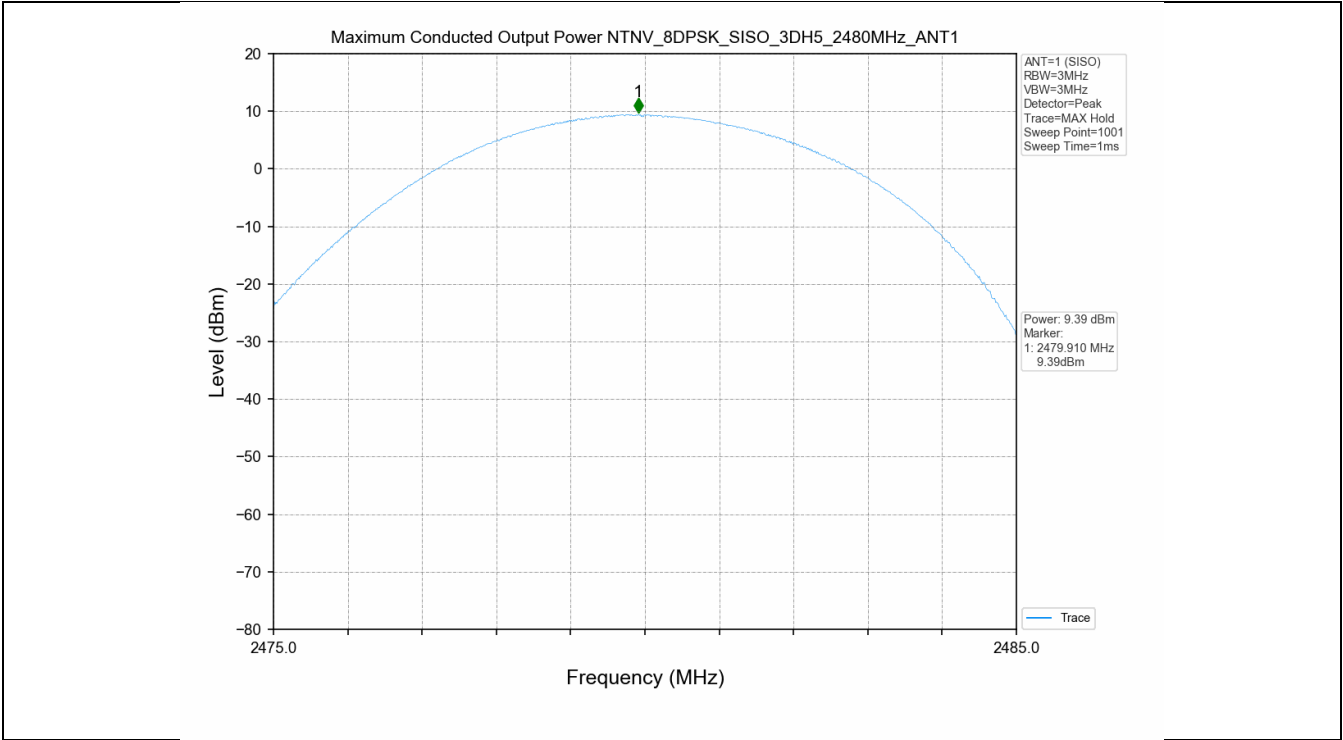
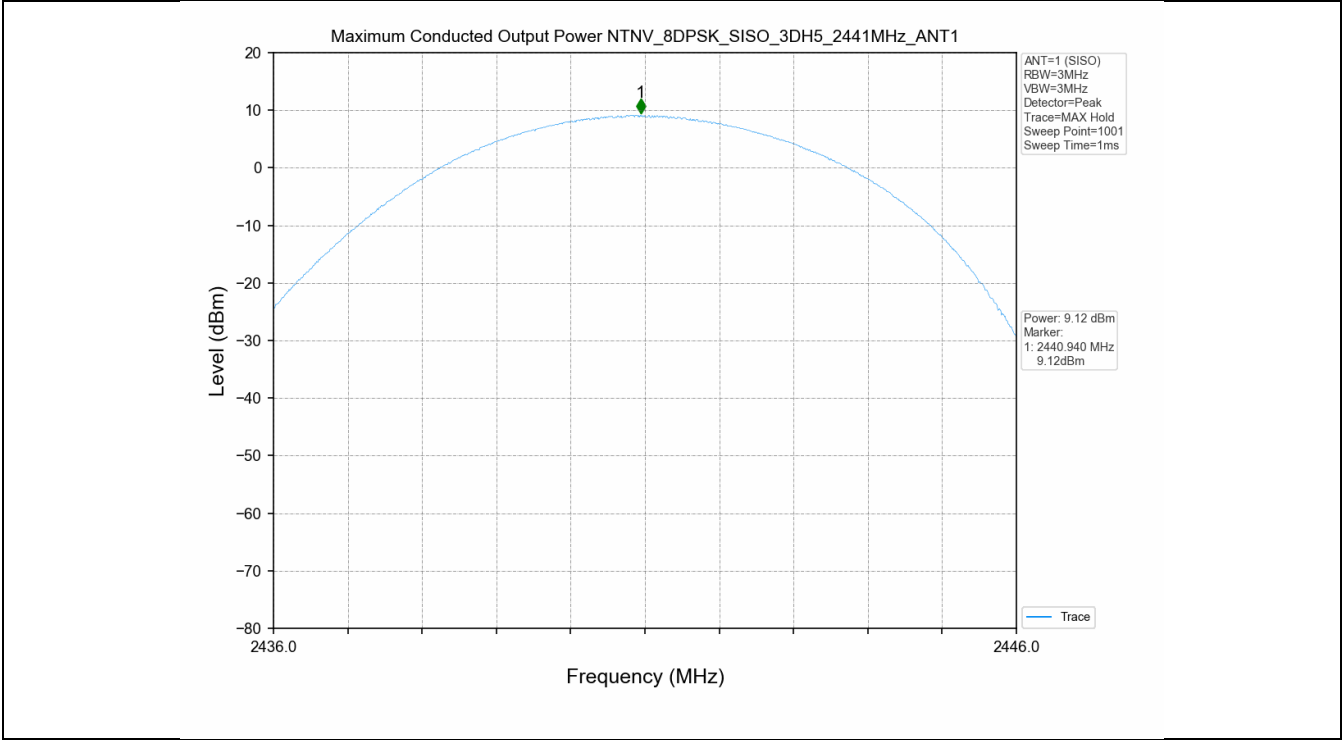
2.2 Test Graph









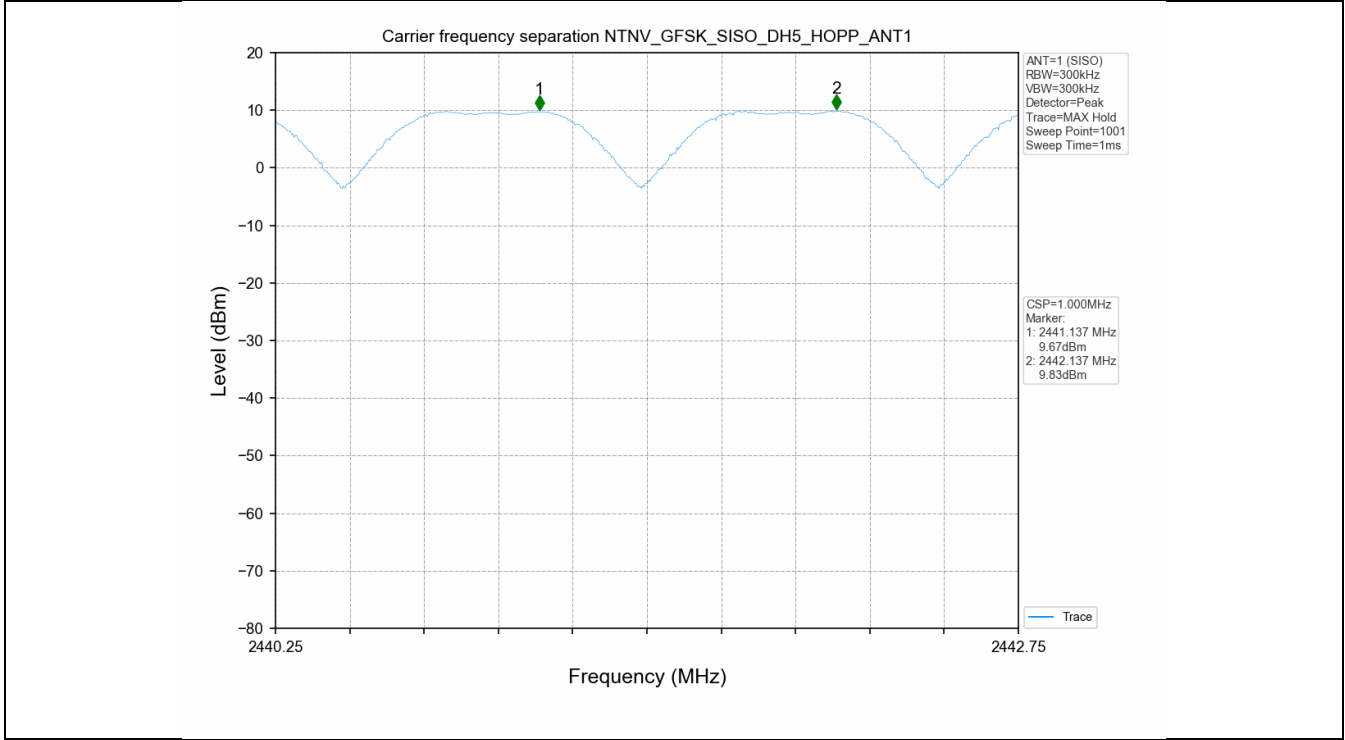


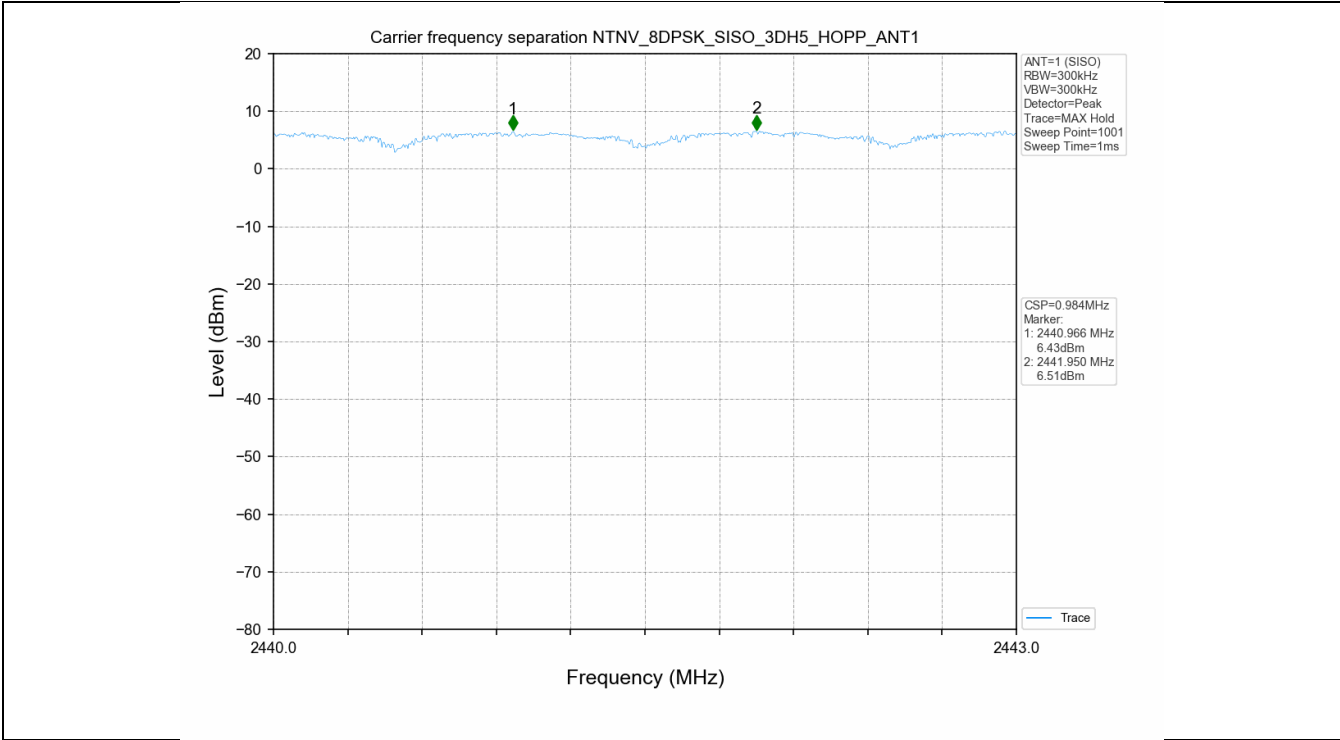
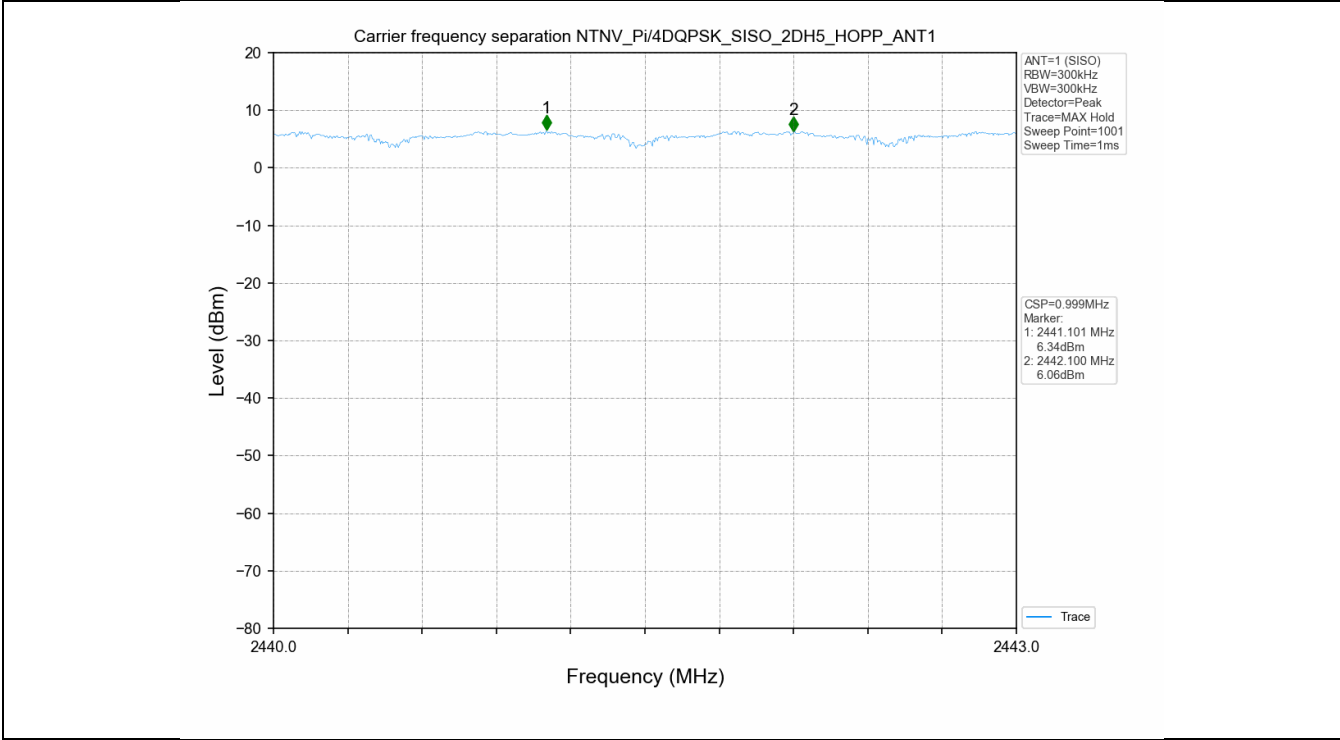
3. Carrier frequency separation

3.1 Test Result

Test Mode	TX Type	ANT No.	Channel Separation (MHz)	20dB Bandwidth (MHz)	Limits (MHz)	Verdict
GFSK	SISO	1	1.000	1.046	≥ 0.697	PASS
Pi/4DQPSK	SISO	1	0.999	1.362	≥ 0.908	PASS
8DPSK	SISO	1	0.984	1.339	≥ 0.893	PASS

3.2 Test Graph



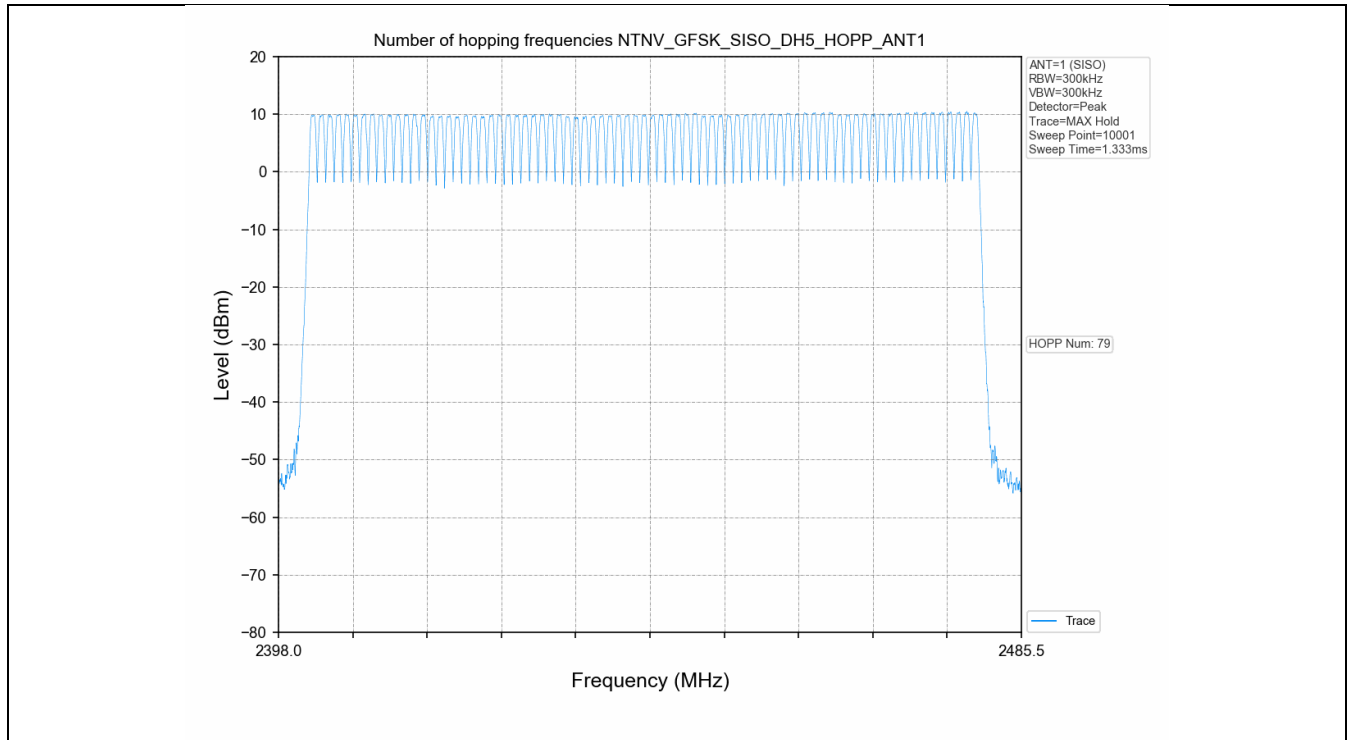


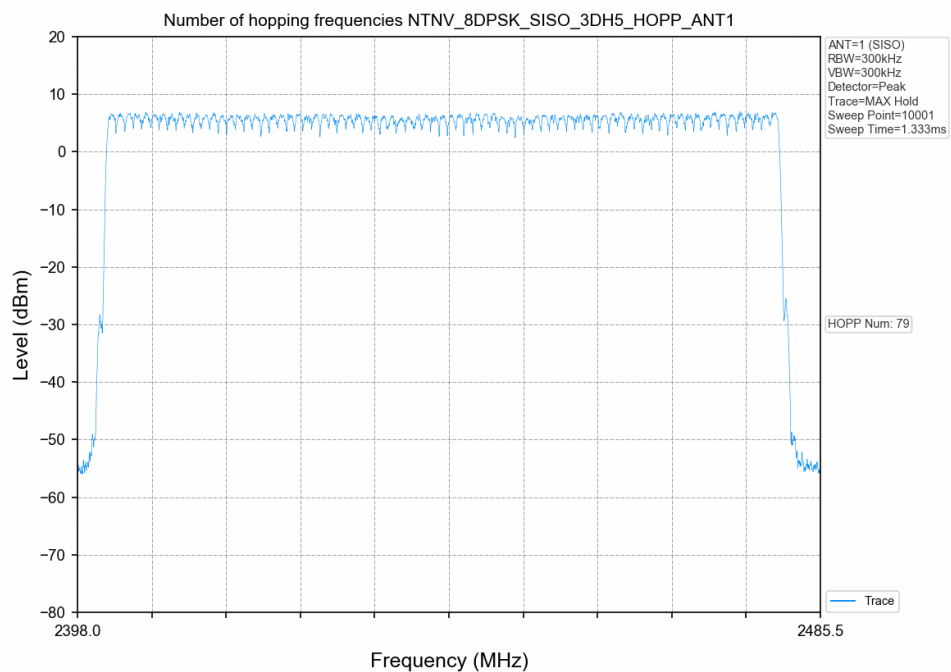
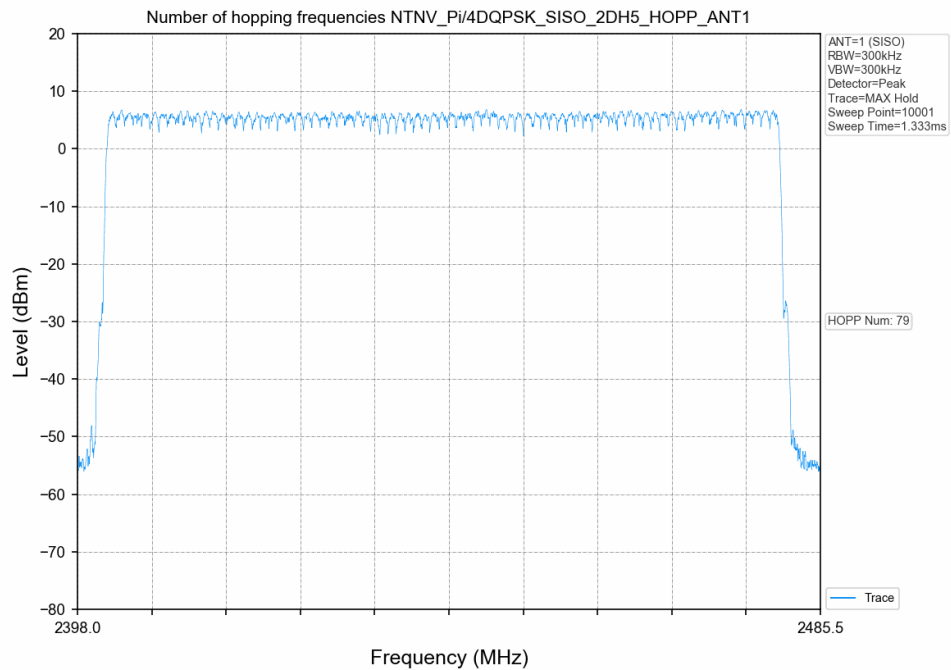
4. Number of hopping frequencies

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



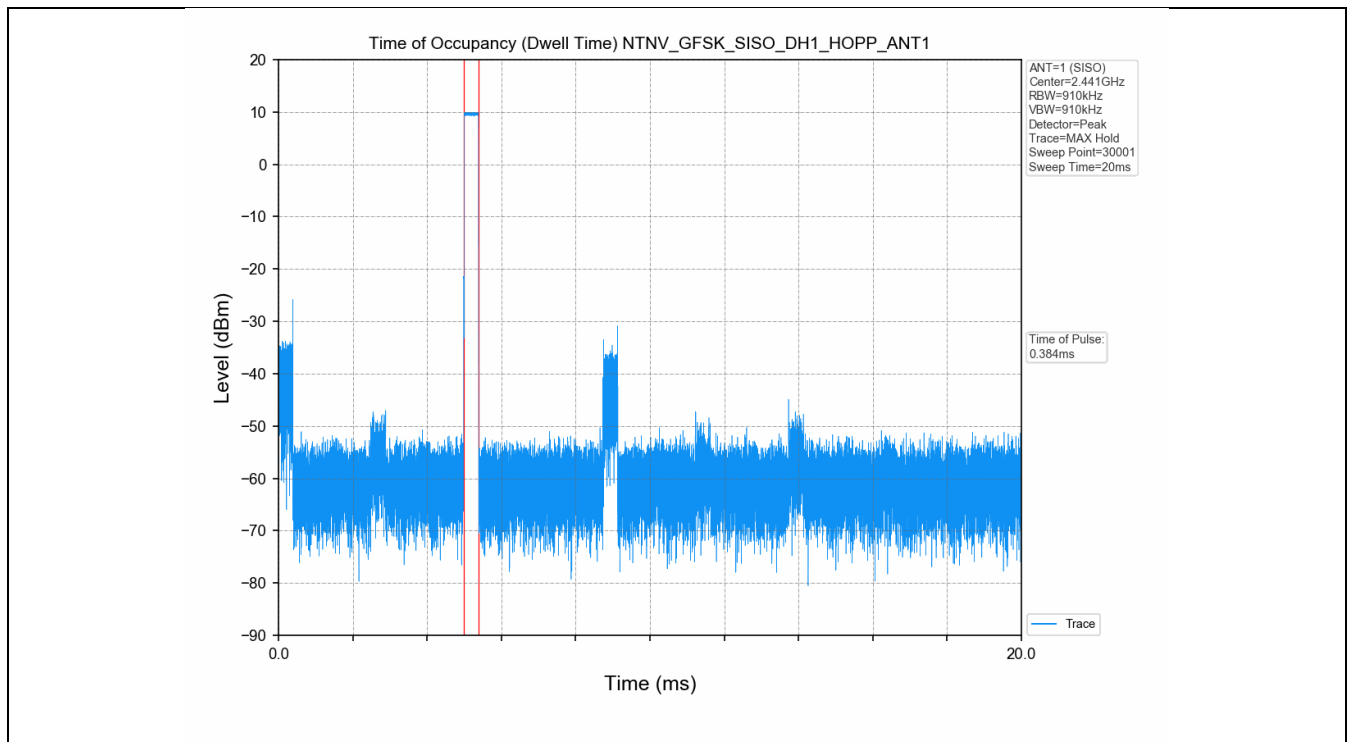


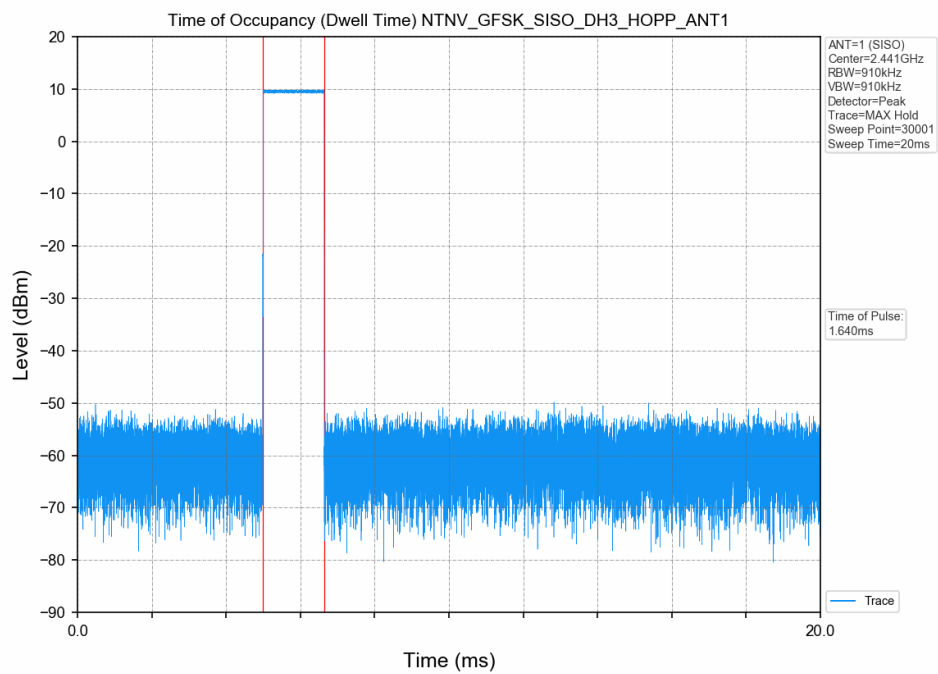
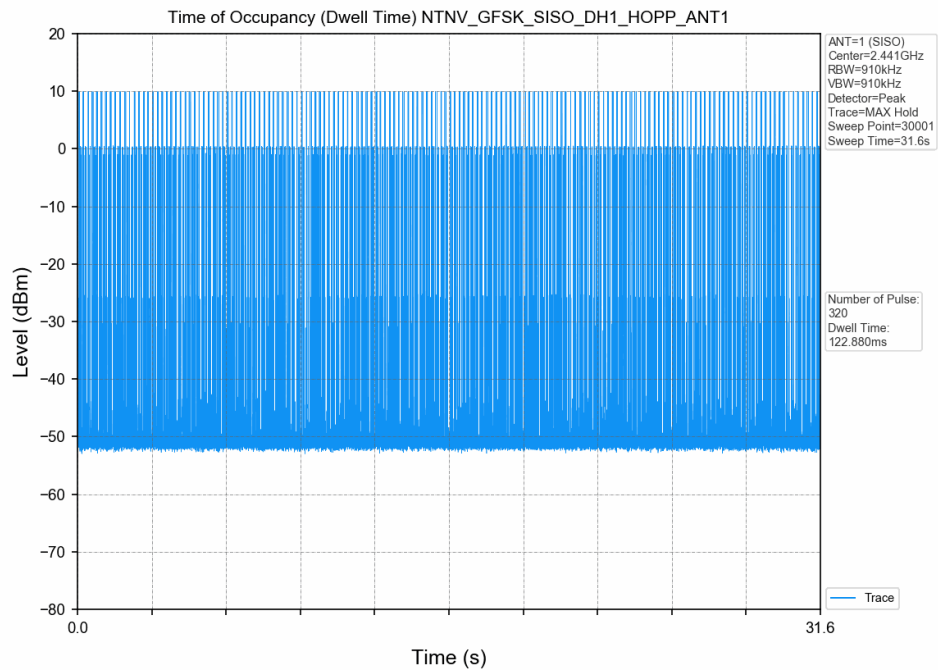
5. Time of Occupancy (Dwell Time)

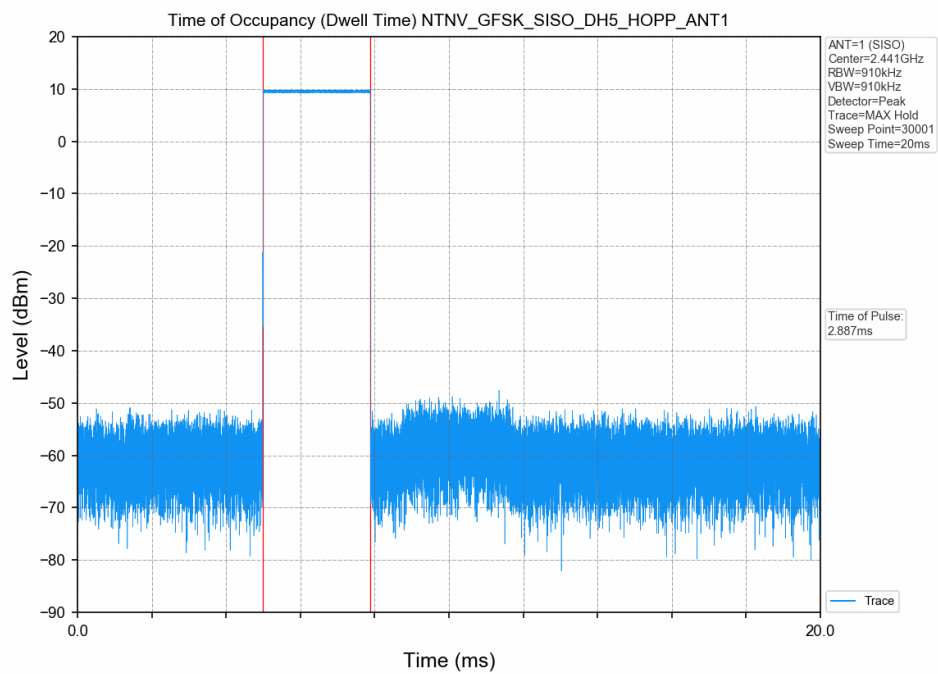
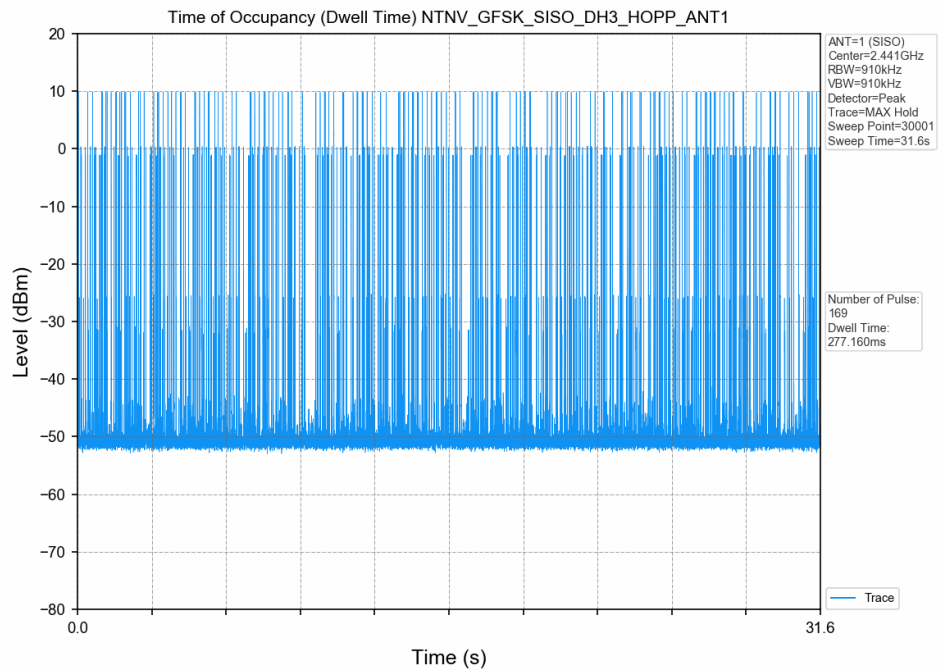
5.1 Test Result

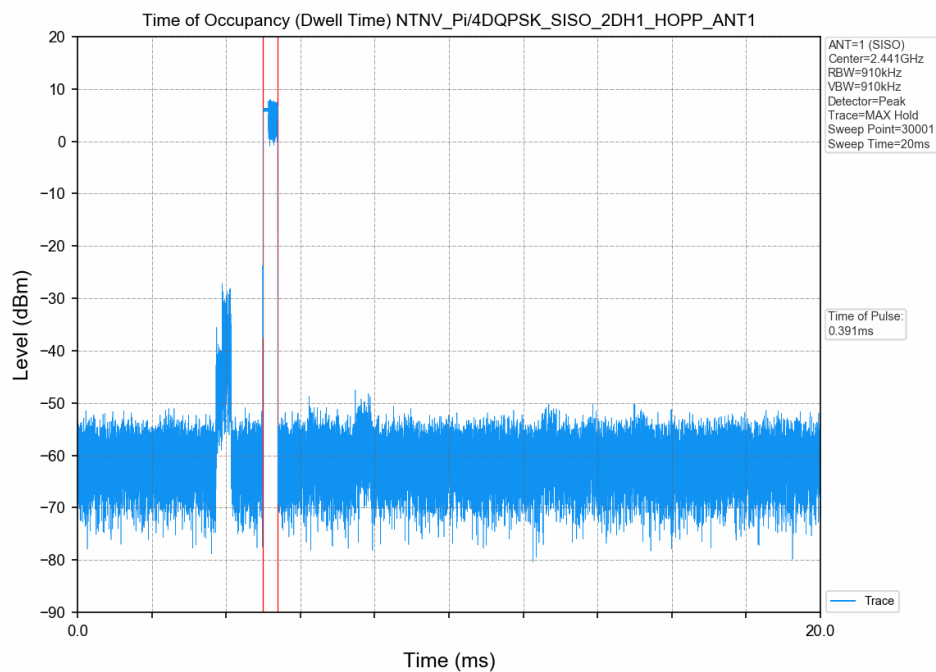
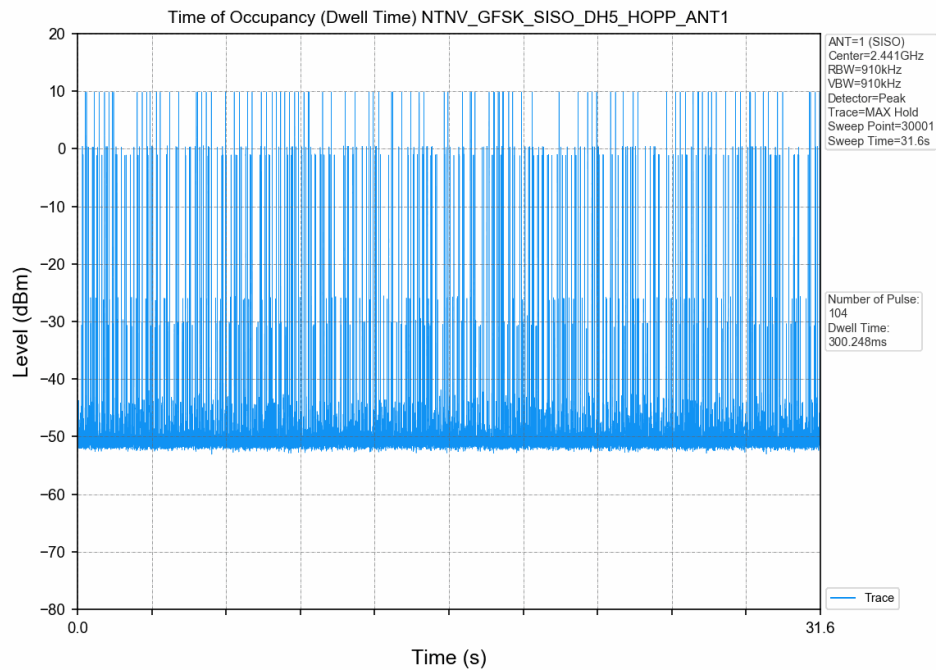
Test Mode	Packet Type	TX Type	ANT No.	Duration of Single Pulse (ms)	Observation Period (s)	Num of Pulse in Observation Period	Dwell Time (ms)	Limits (ms)	Verdict
GFSK	DH1	SISO	1	0.384	31.6	320	122.880	≤400	PASS
	DH3	SISO	1	1.640	31.6	169	277.160	≤400	PASS
	DH5	SISO	1	2.887	31.6	104	300.248	≤400	PASS
Pi/4DQ PSK	2DH1	SISO	1	0.391	31.6	321	125.511	≤400	PASS
	2DH3	SISO	1	1.642	31.6	168	275.856	≤400	PASS
	2DH5	SISO	1	2.889	31.6	115	332.235	≤400	PASS
8DPSK	3DH1	SISO	1	0.391	31.6	320	125.120	≤400	PASS
	3DH3	SISO	1	1.641	31.6	161	264.201	≤400	PASS
	3DH5	SISO	1	2.892	31.6	111	321.012	≤400	PASS

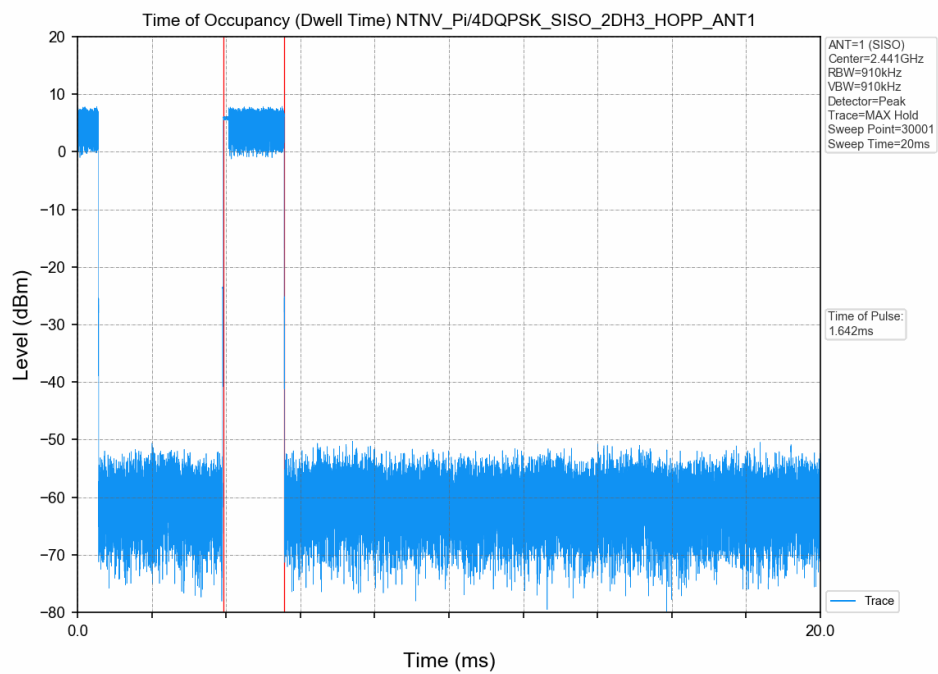
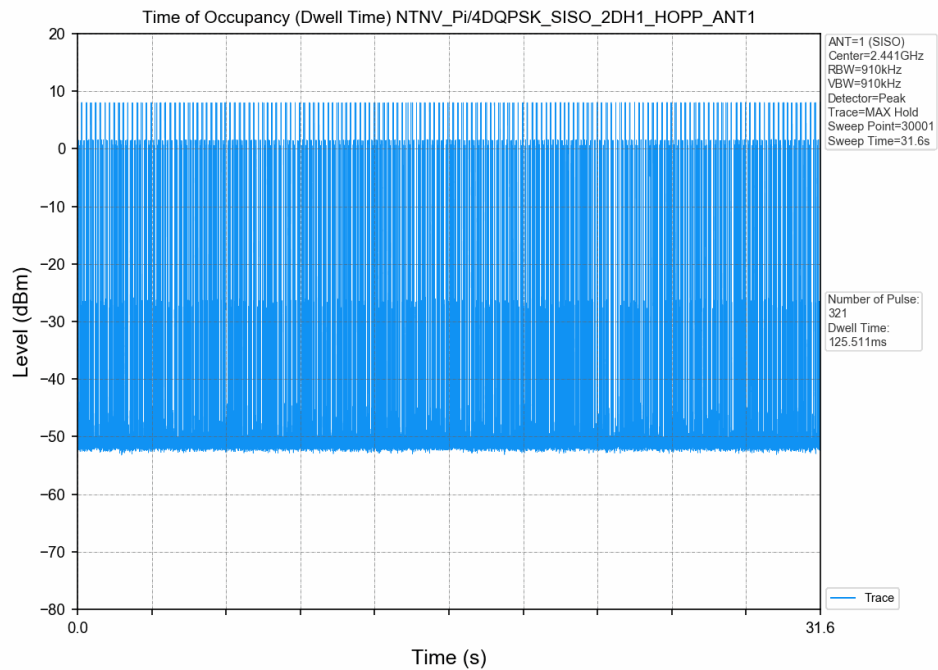
5.2 Test Graph

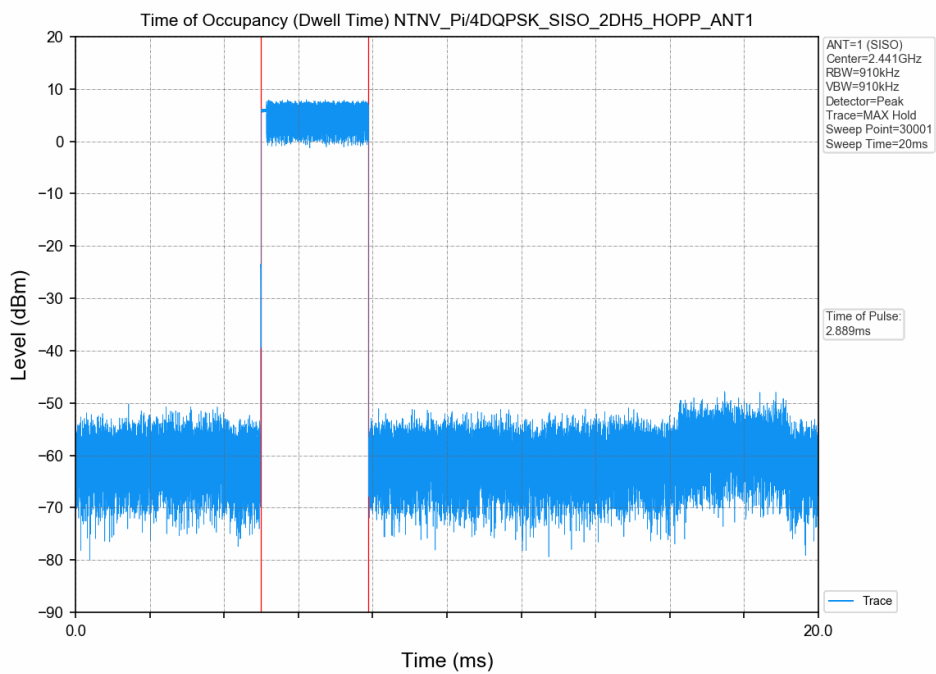
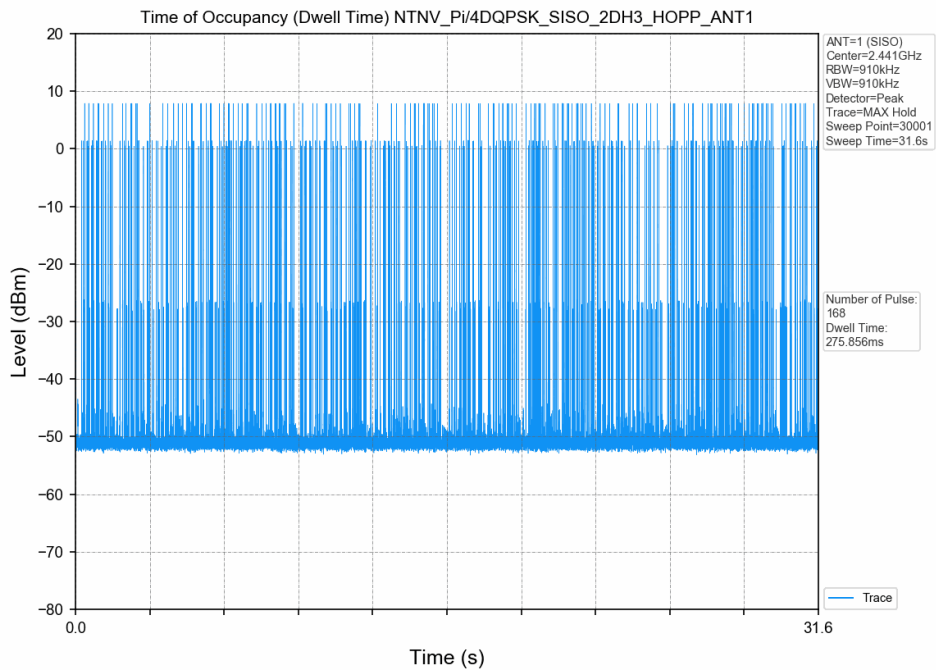


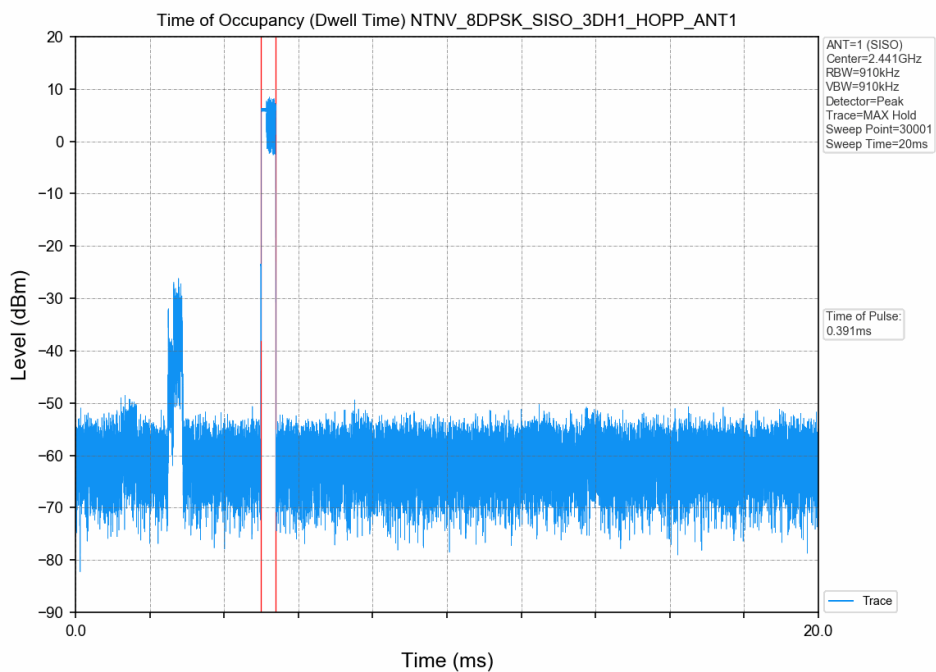
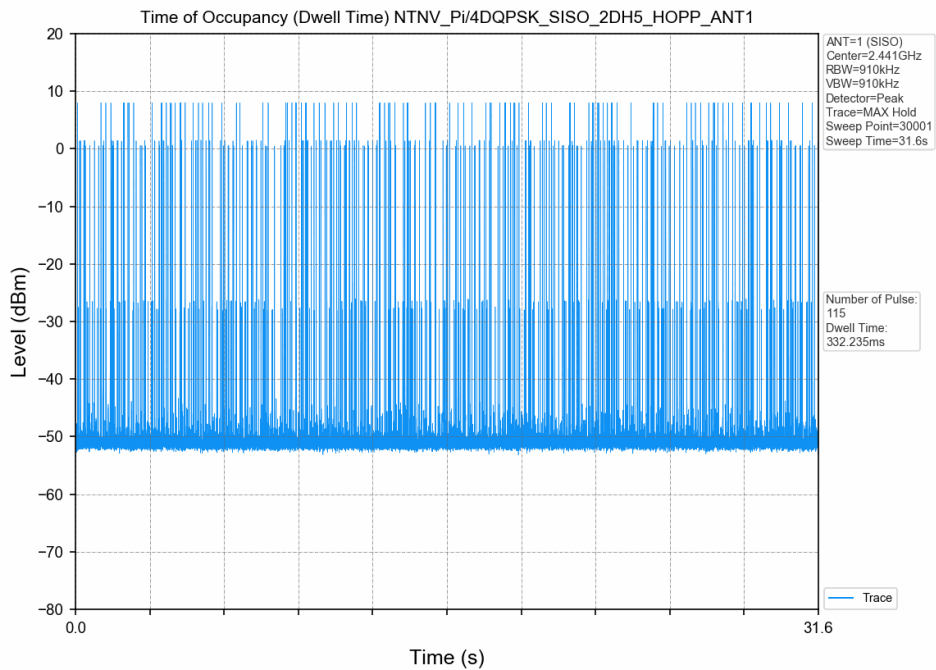


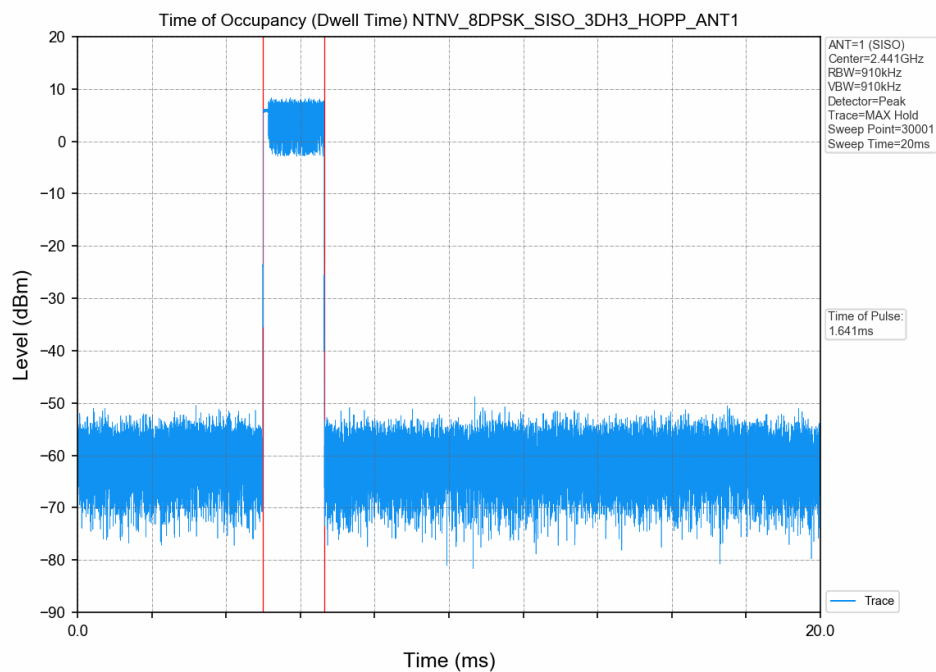
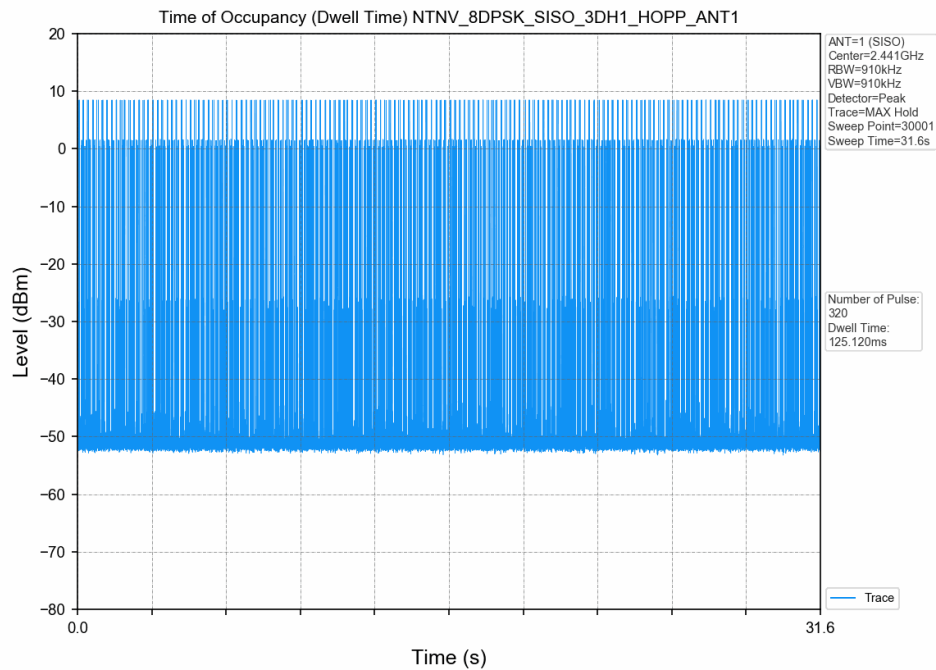


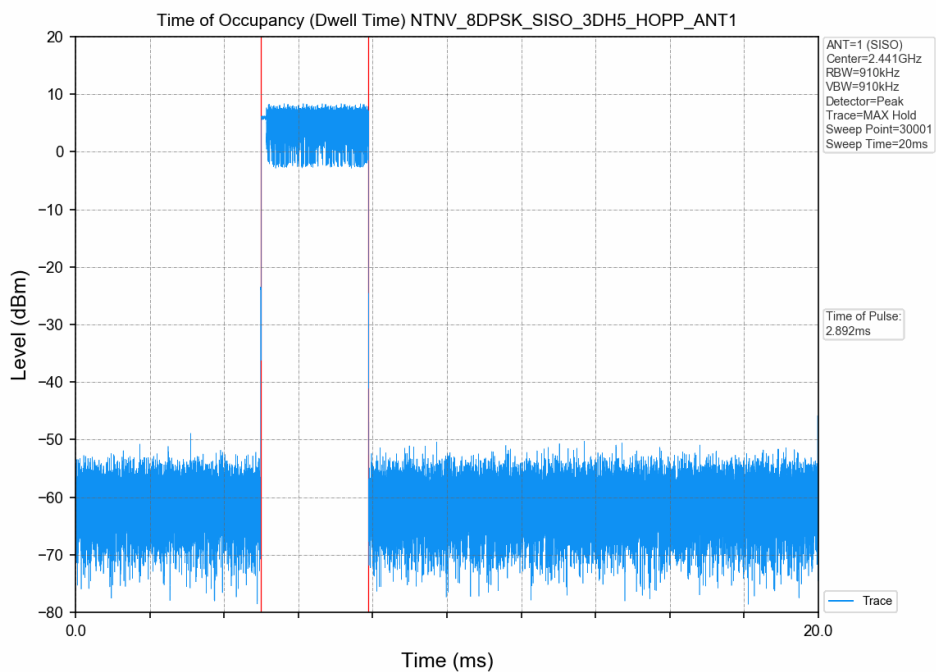
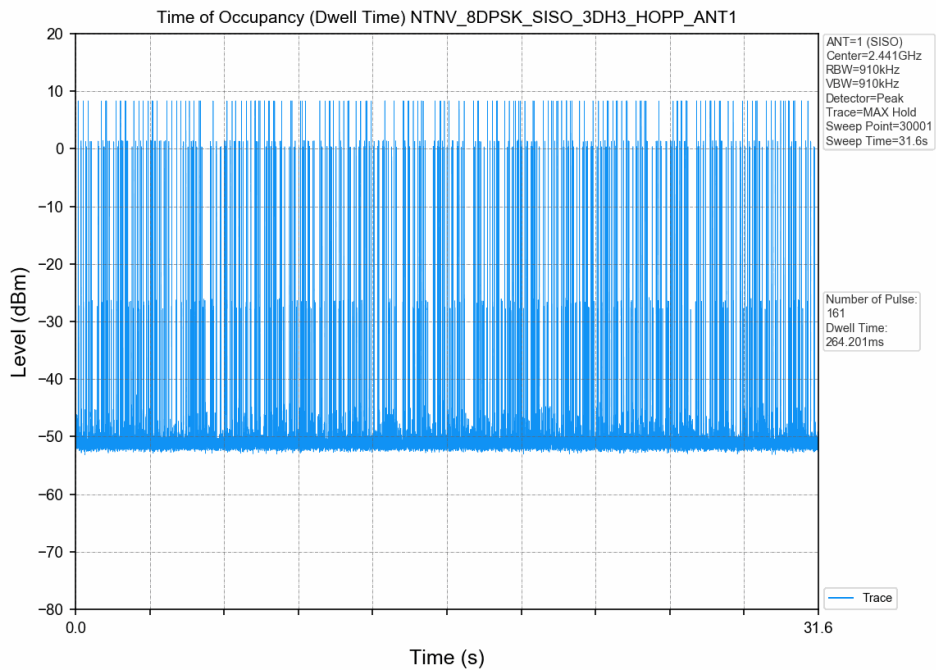


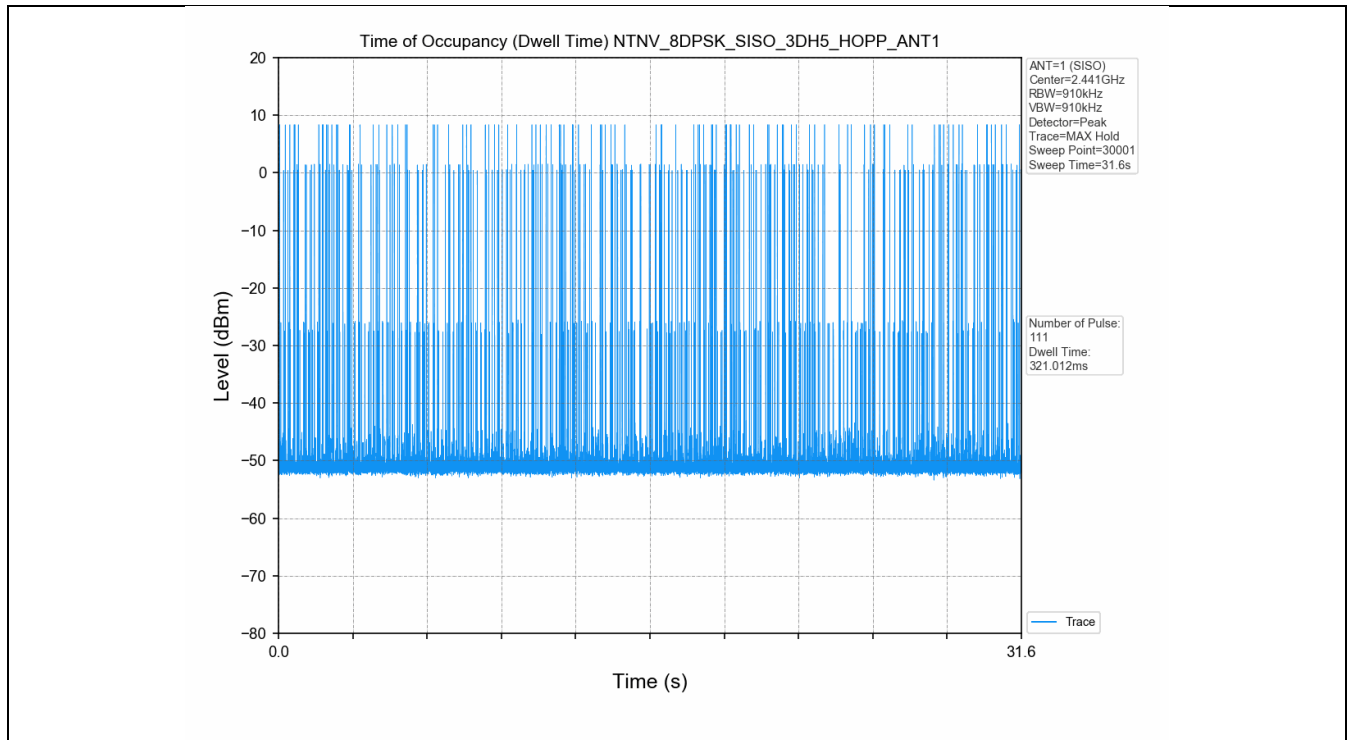










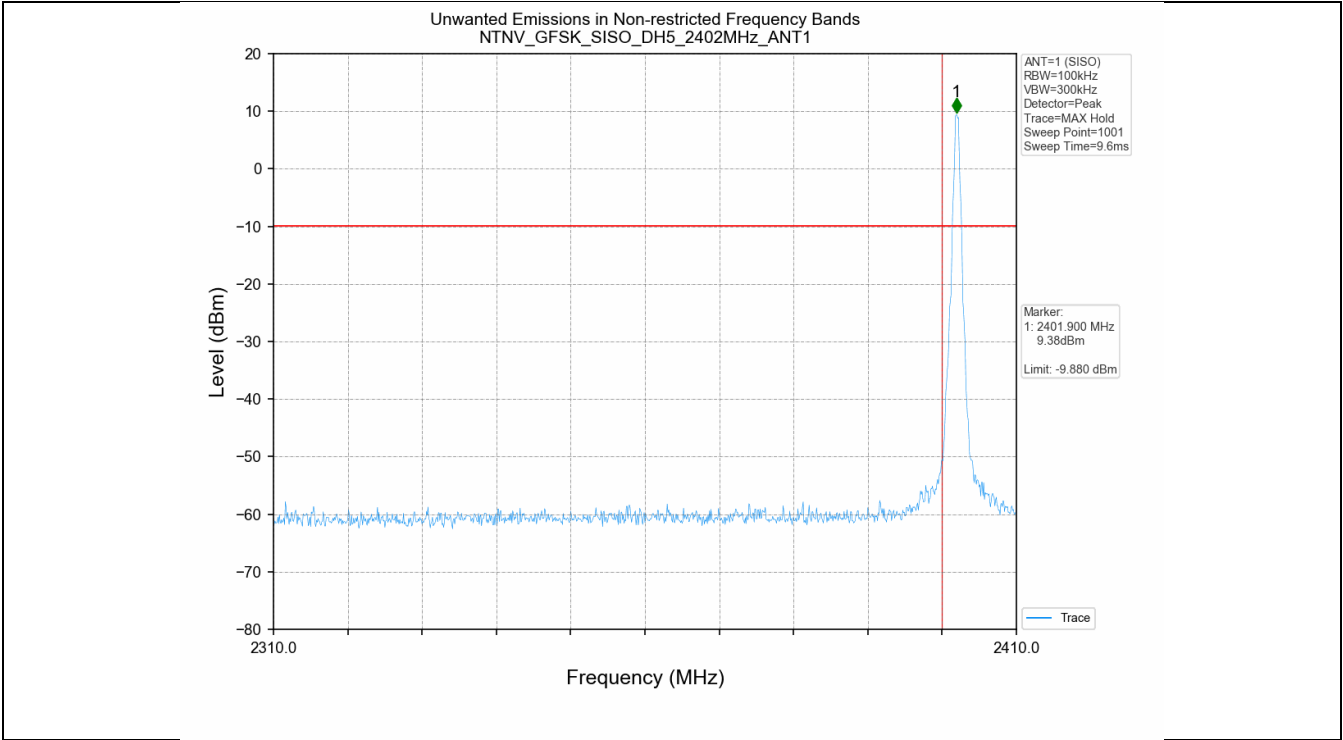
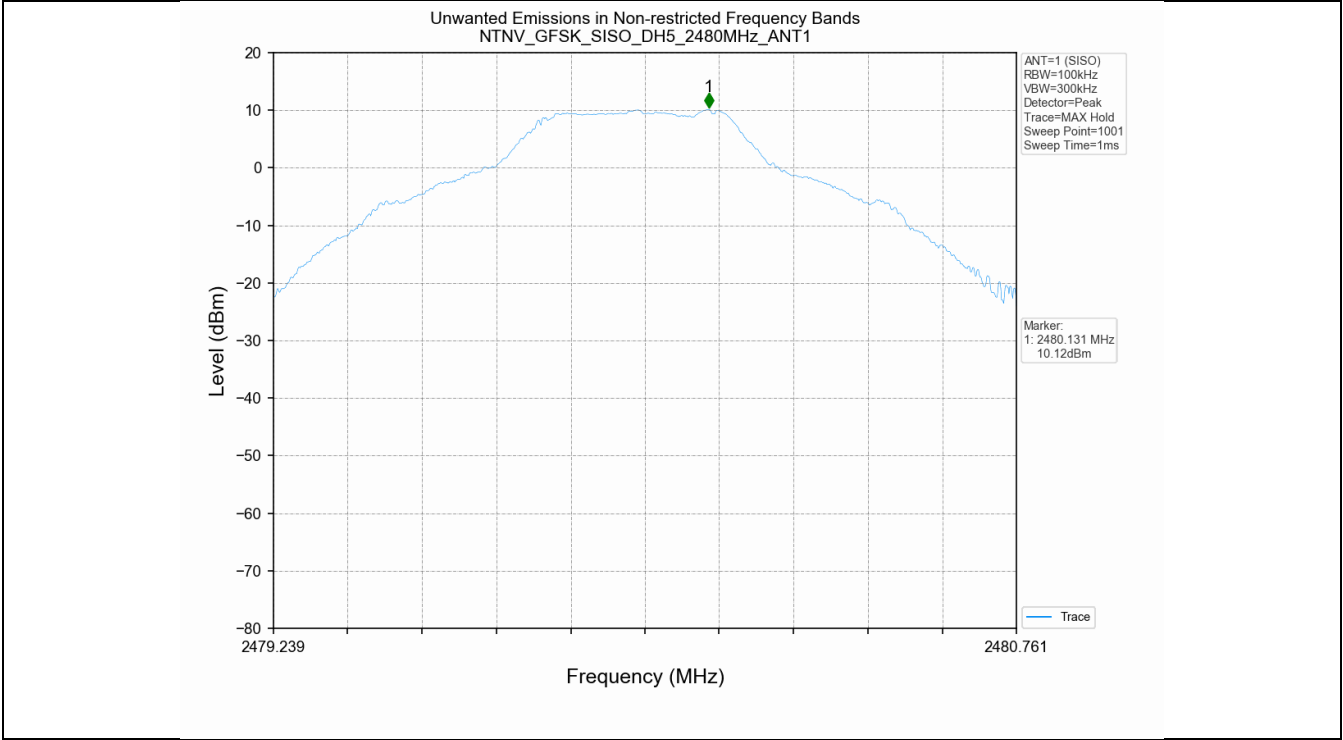


6. Unwanted Emissions in Non-restricted Frequency Bands

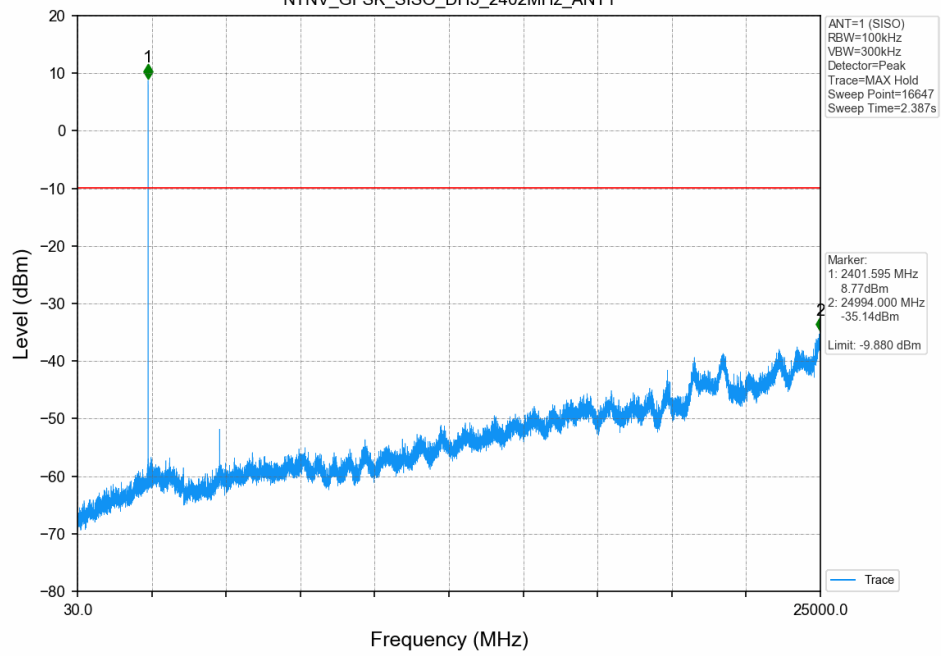
6.1 Test Result

Test Mode	Frequency (MHz)	TX Type	ANT No.	Spurious Conducted Emission (dBm)	Limits (dBm)	Verdict
GFSK	2402	SISO	1	Refer to test graph	-9.88	PASS
	2441	SISO	1	Refer to test graph	-9.88	PASS
	2480	SISO	1	Refer to test graph	-9.88	PASS
	Hopping	SISO	1	Refer to test graph	-9.88	PASS
Pi/4DQPSK	2402	SISO	1	Refer to test graph	-12.52	PASS
	2441	SISO	1	Refer to test graph	-12.52	PASS
	2480	SISO	1	Refer to test graph	-12.52	PASS
	Hopping	SISO	1	Refer to test graph	-12.52	PASS
8DPSK	2402	SISO	1	Refer to test graph	-13.60	PASS
	2441	SISO	1	Refer to test graph	-13.60	PASS
	2480	SISO	1	Refer to test graph	-13.60	PASS
	Hopping	SISO	1	Refer to test graph	-13.60	PASS

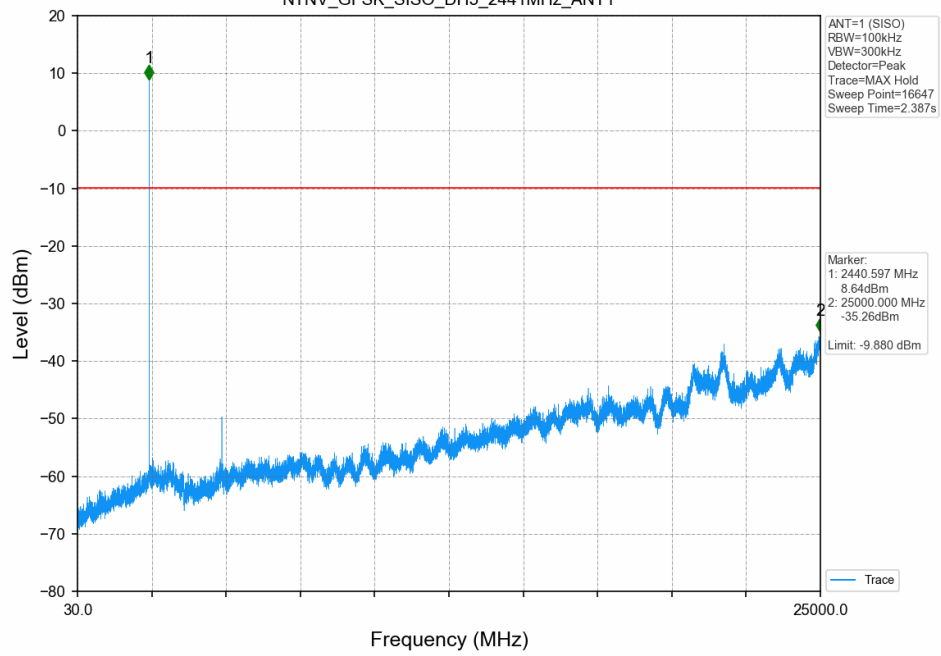
6.2 Test Graph

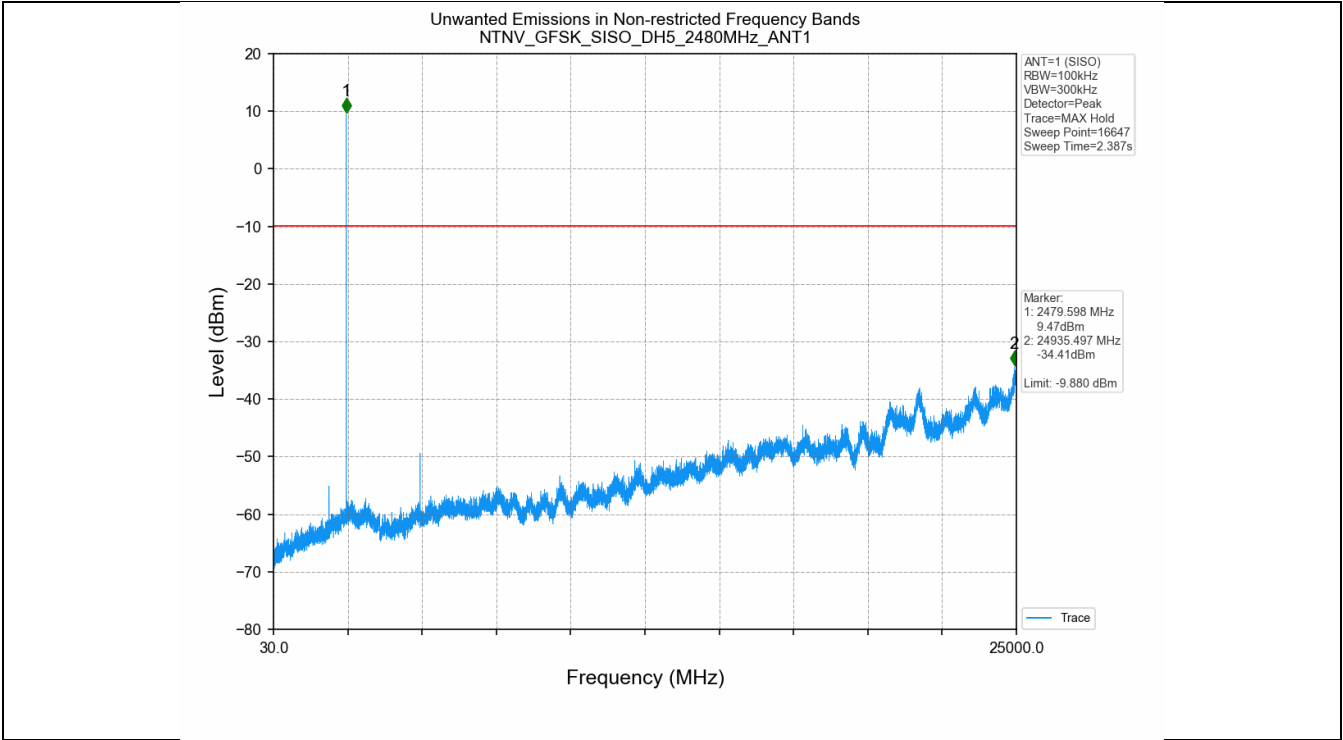
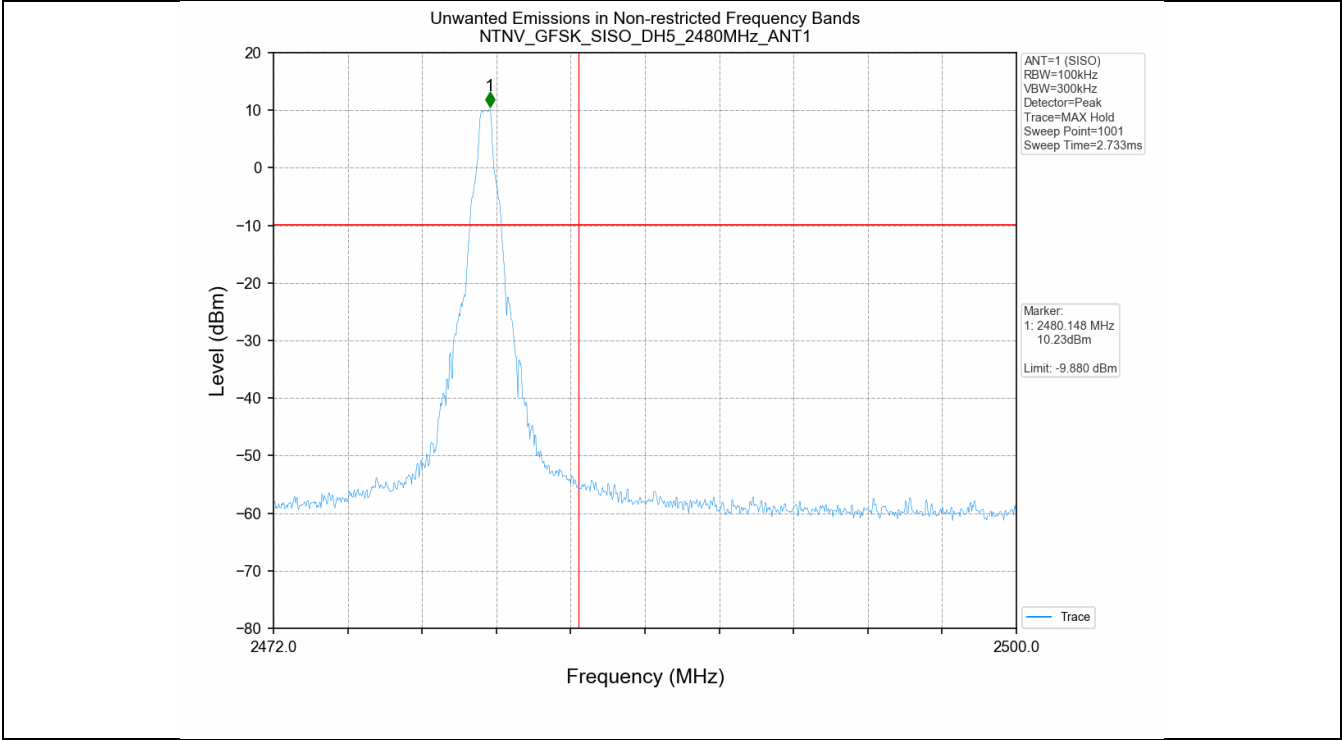


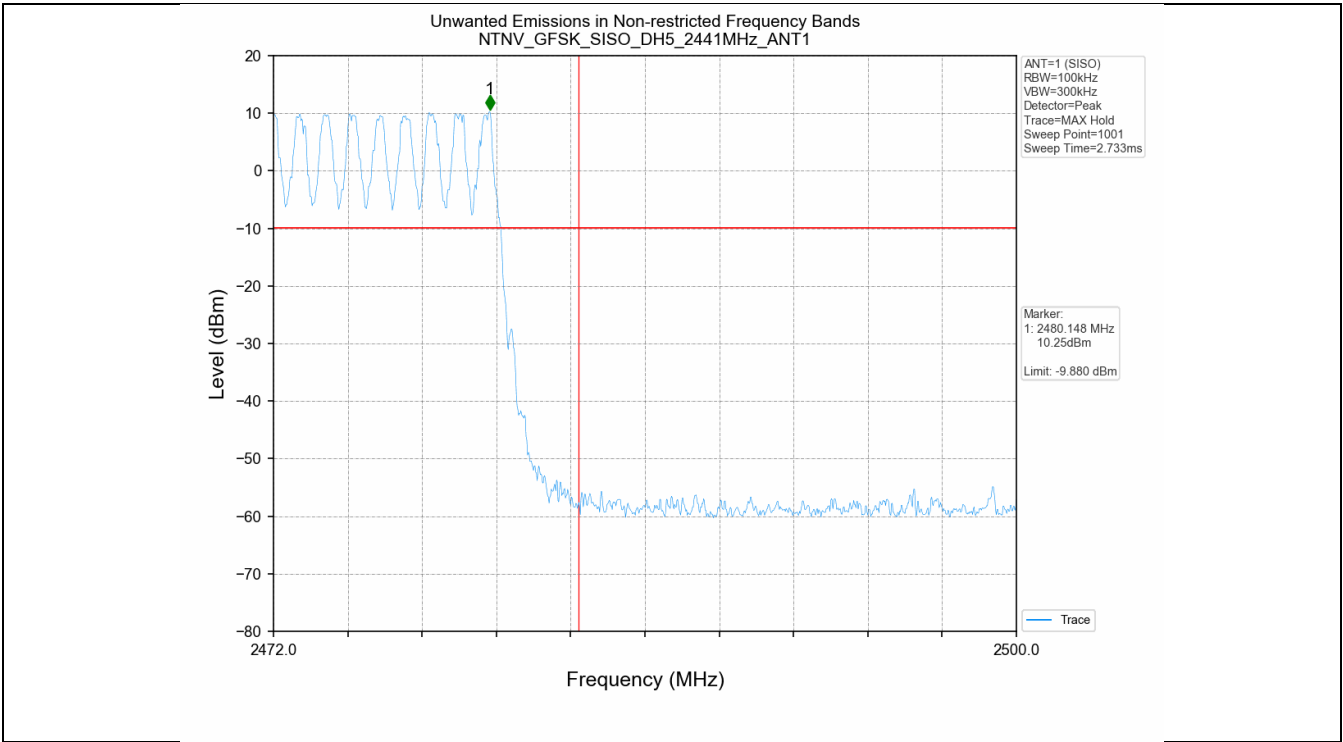
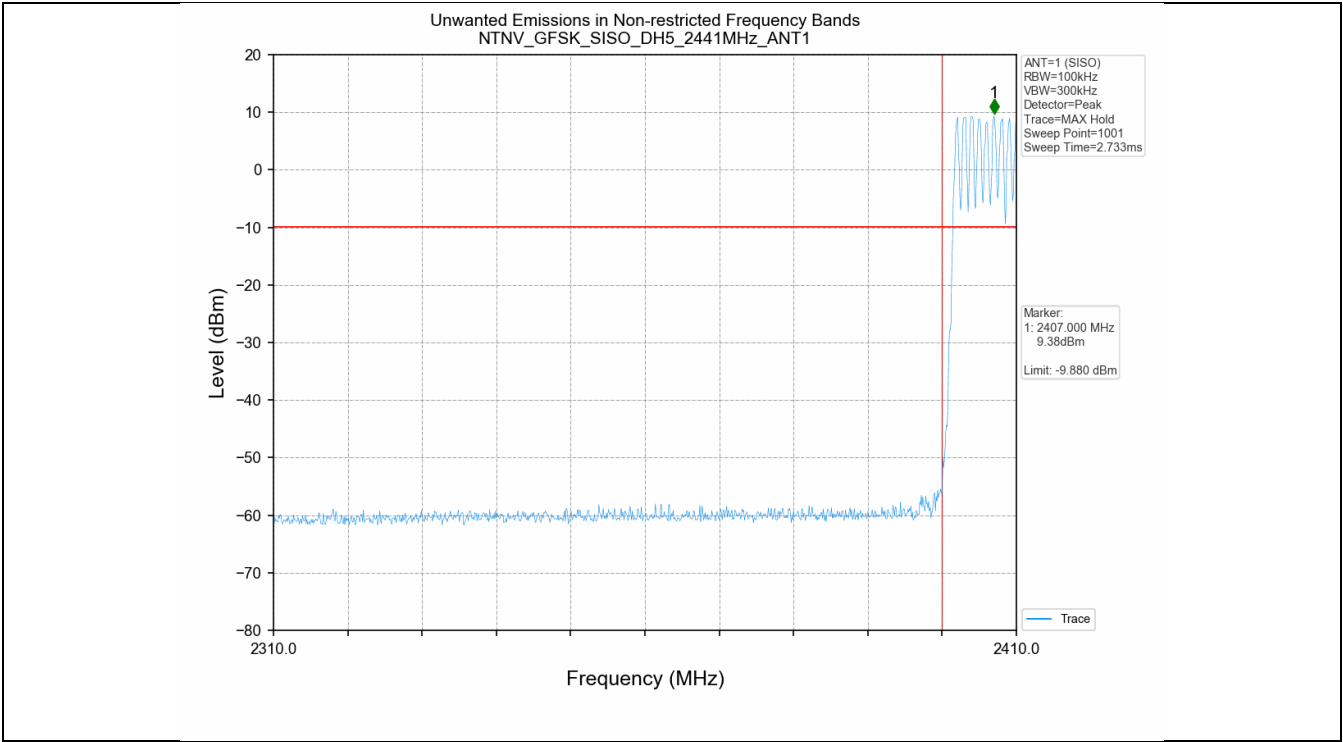
Unwanted Emissions in Non-restricted Frequency Bands
NTNV_GFSK_SISO_DH5_2402MHz_ANT1

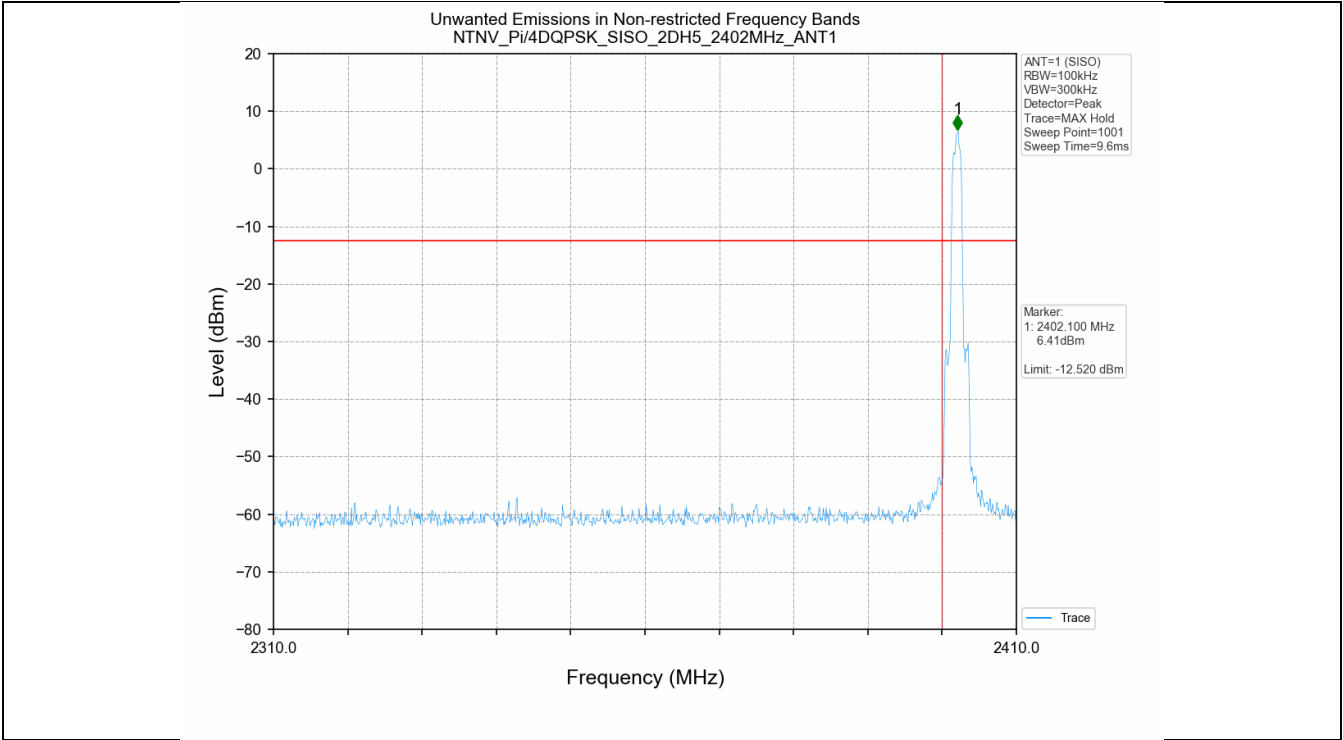
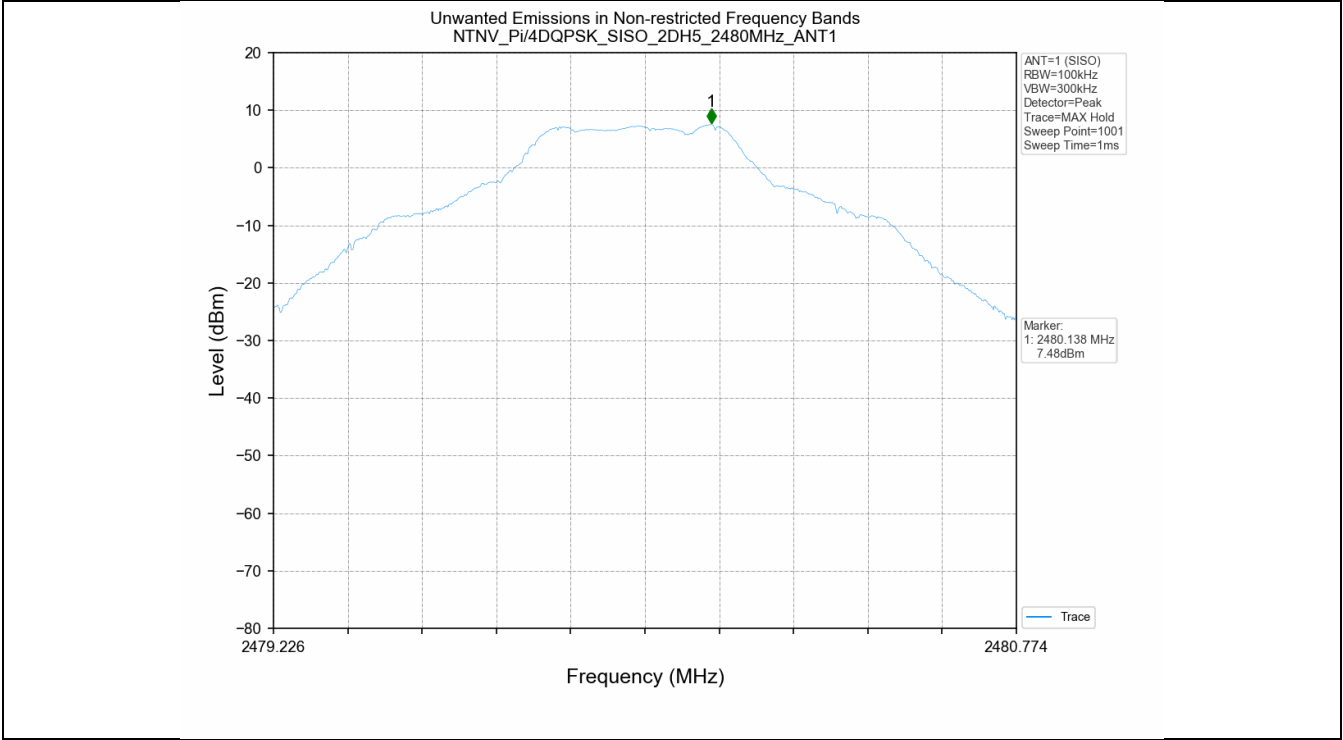


Unwanted Emissions in Non-restricted Frequency Bands
NTNV_GFSK_SISO_DH5_2441MHz_ANT1

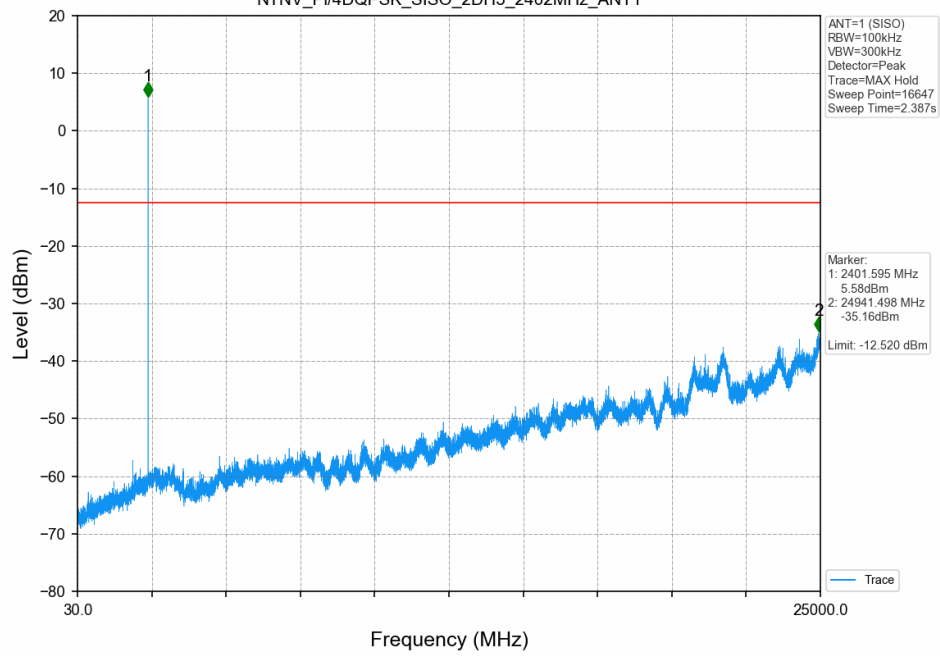




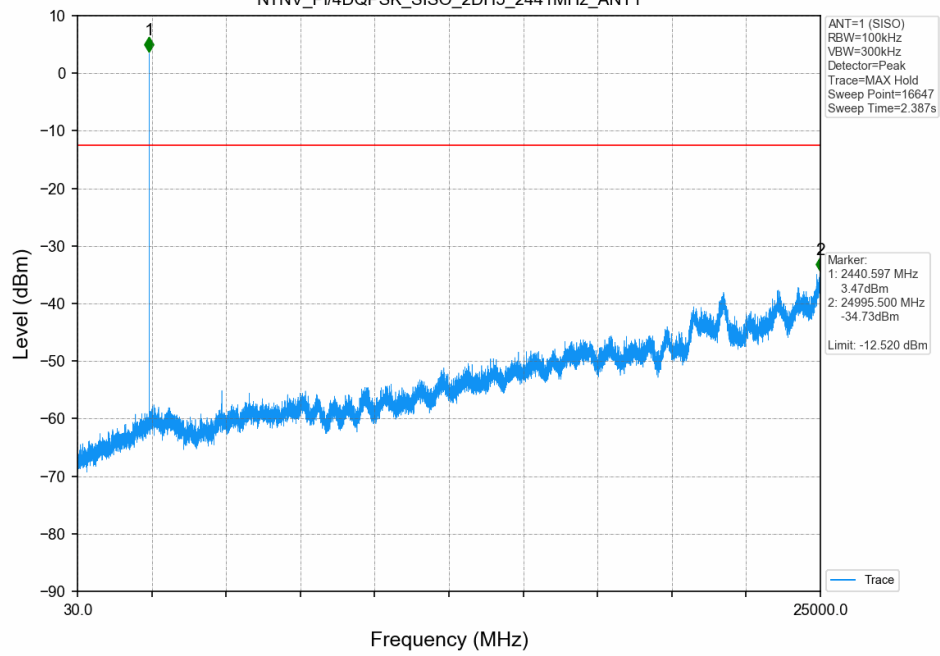


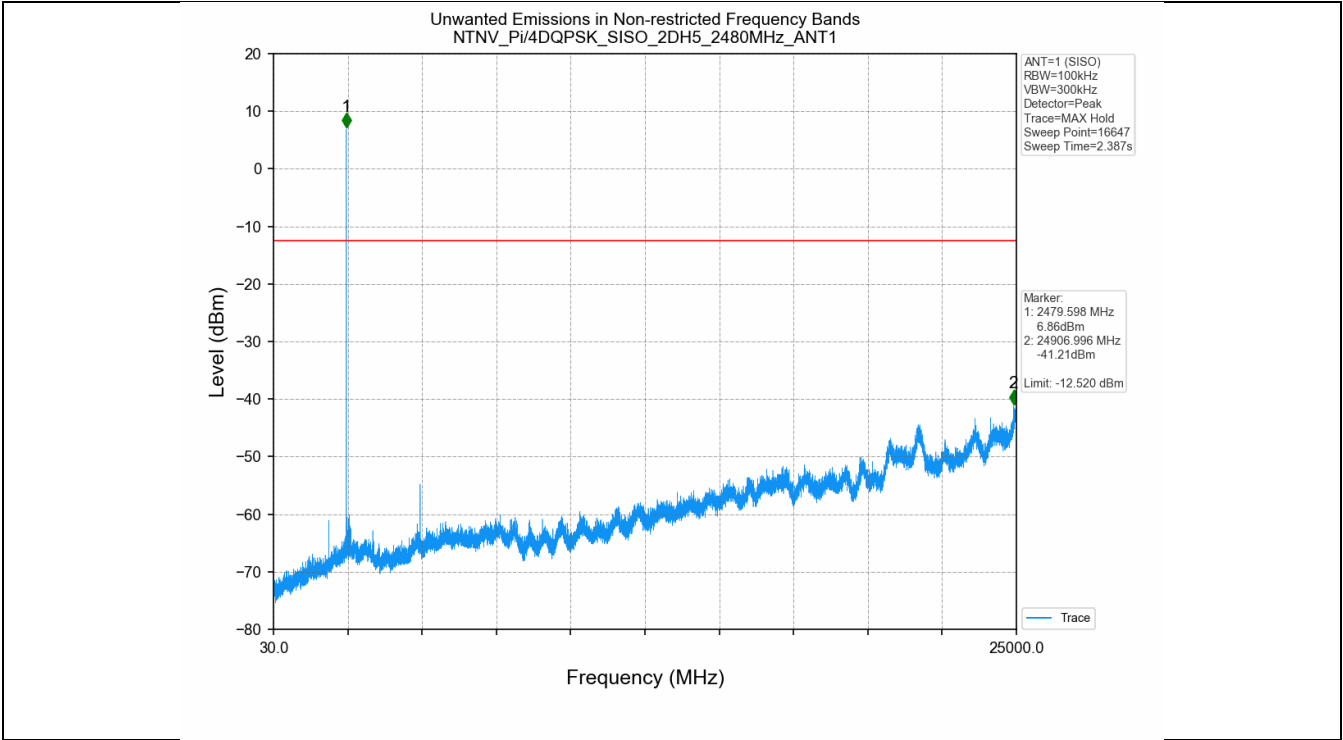
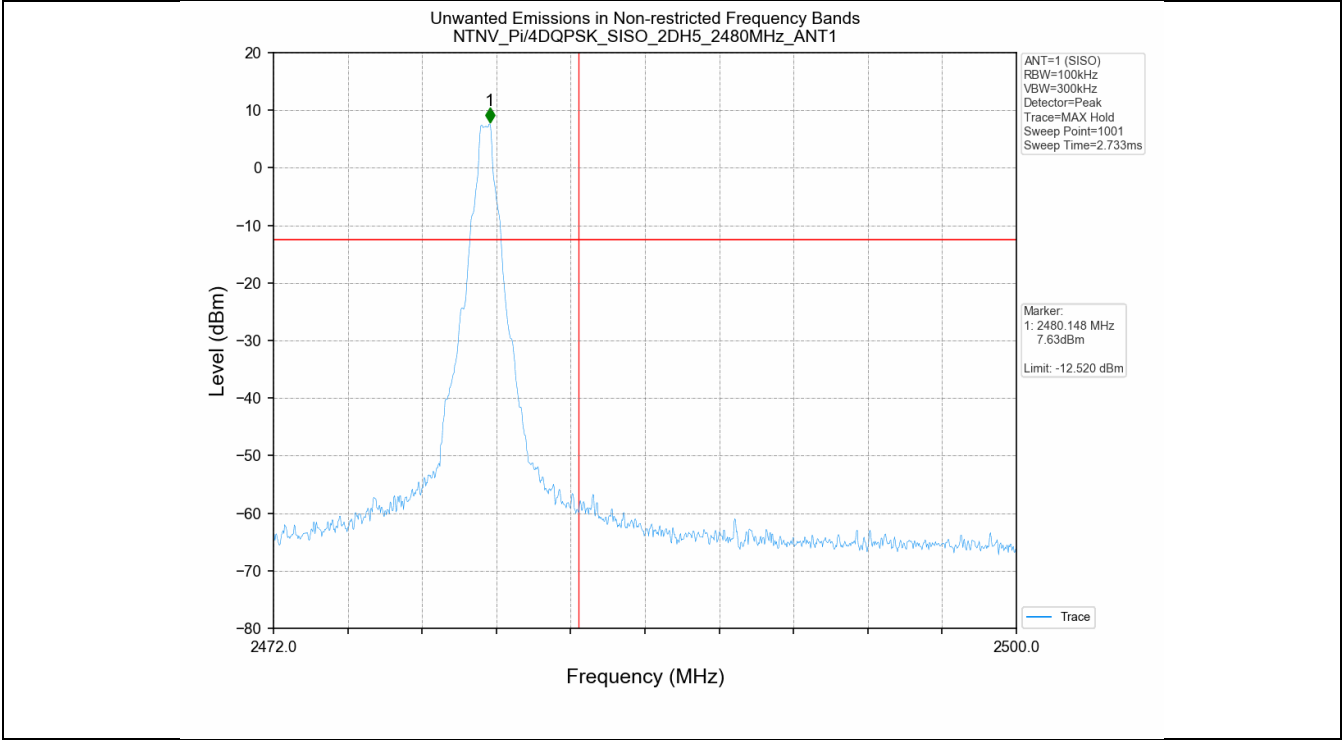


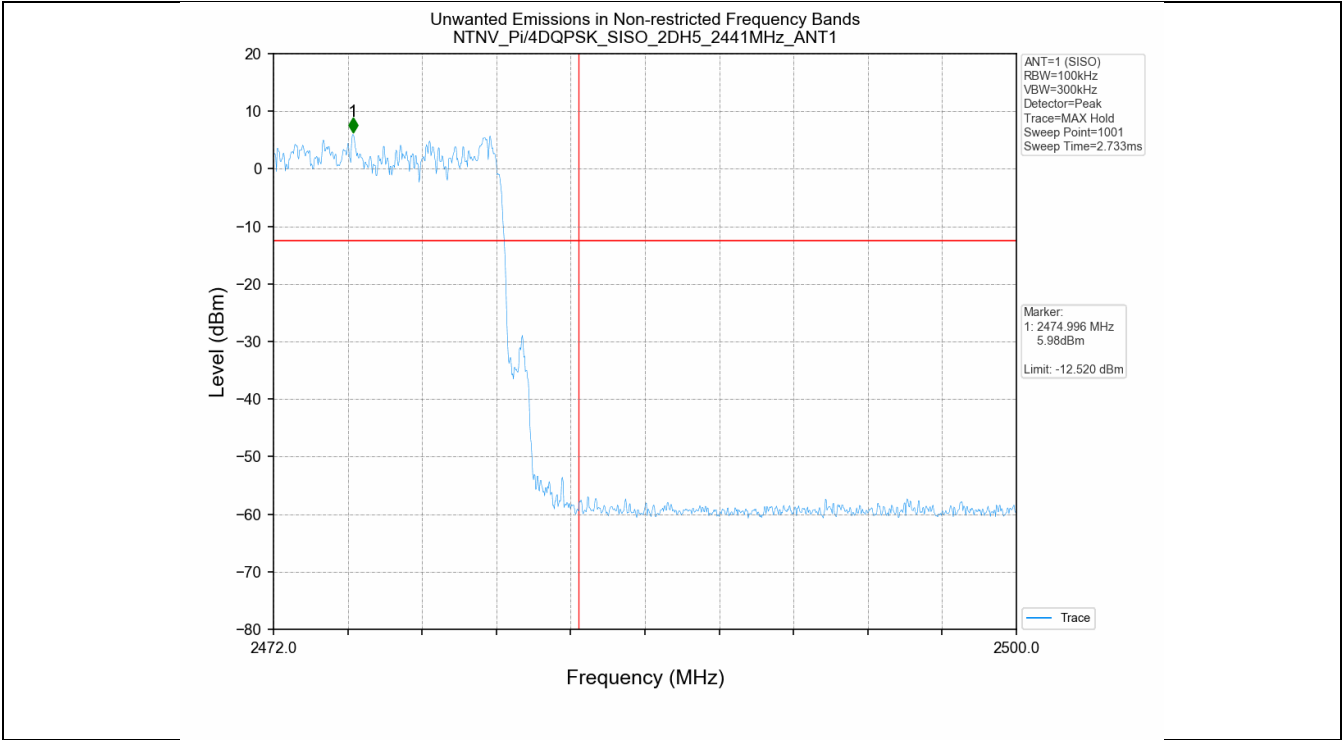
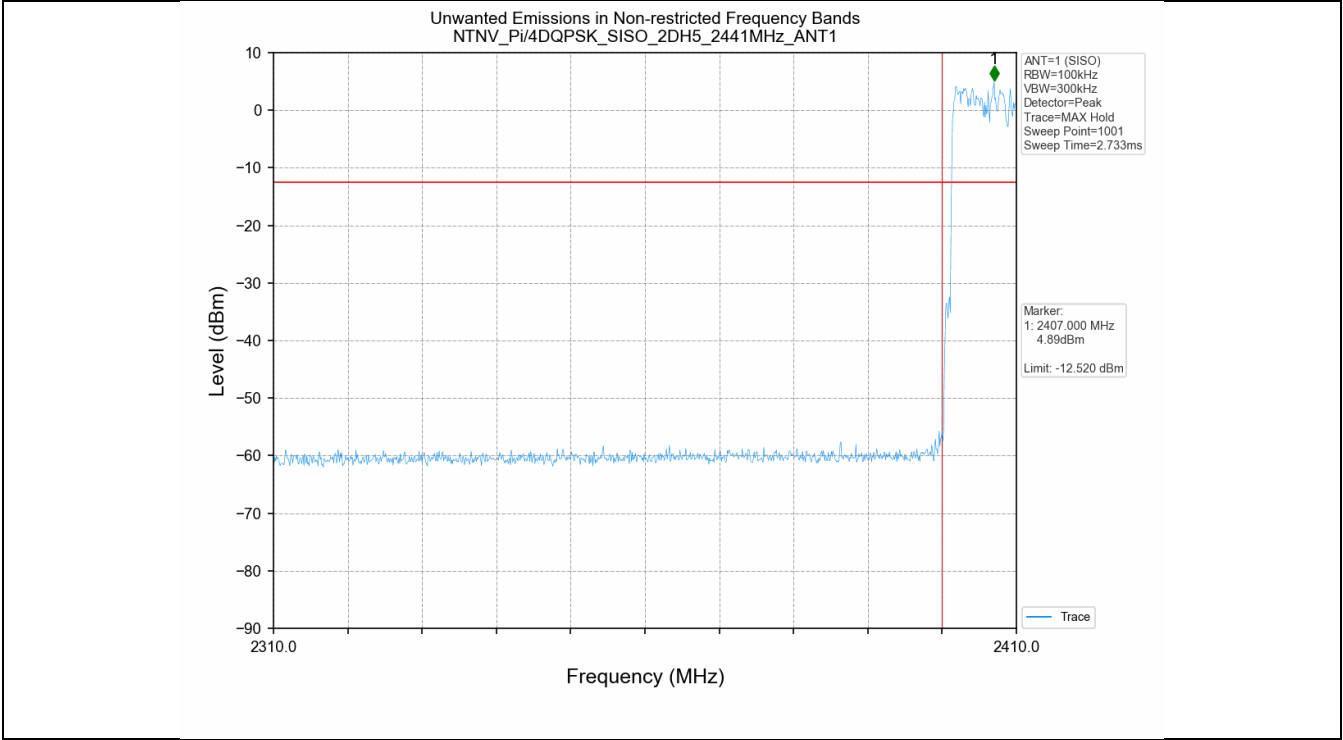
Unwanted Emissions in Non-restricted Frequency Bands
NTNV_Pi/4QPSK_SISO_2DH5_2402MHz_ANT1

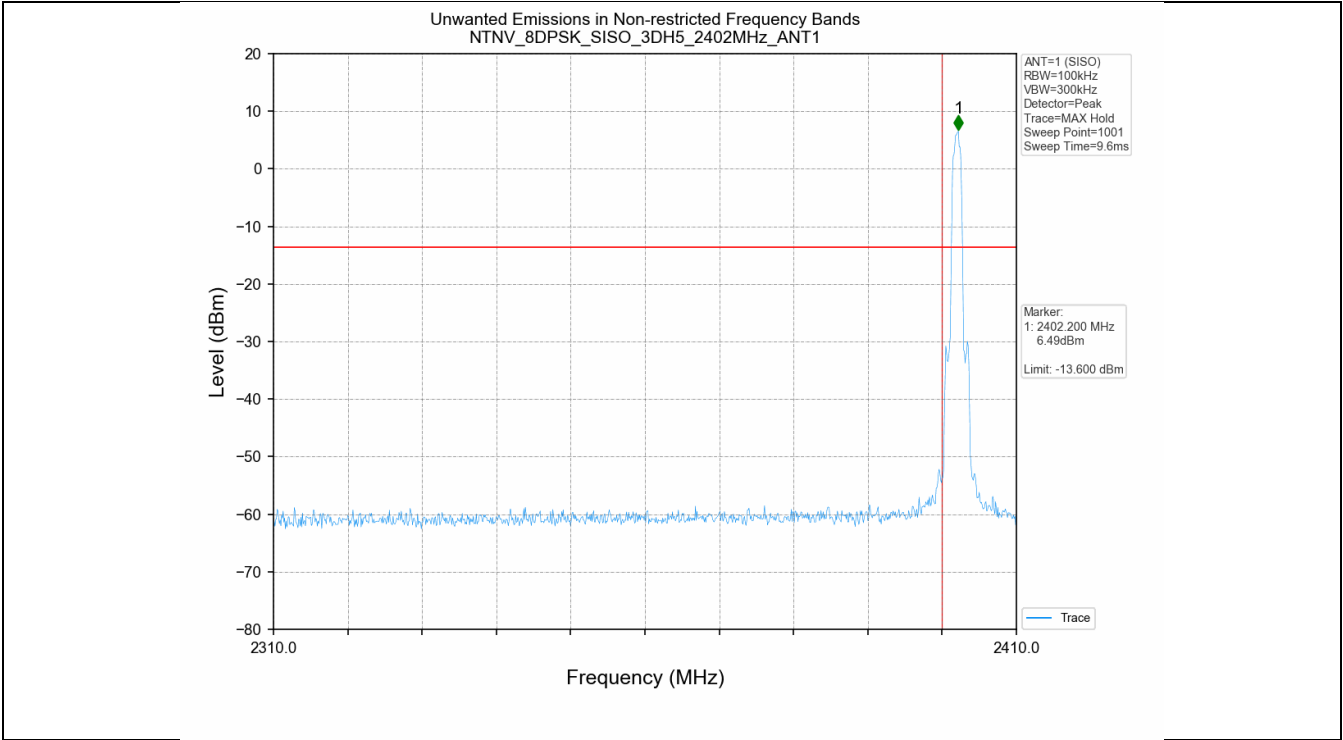
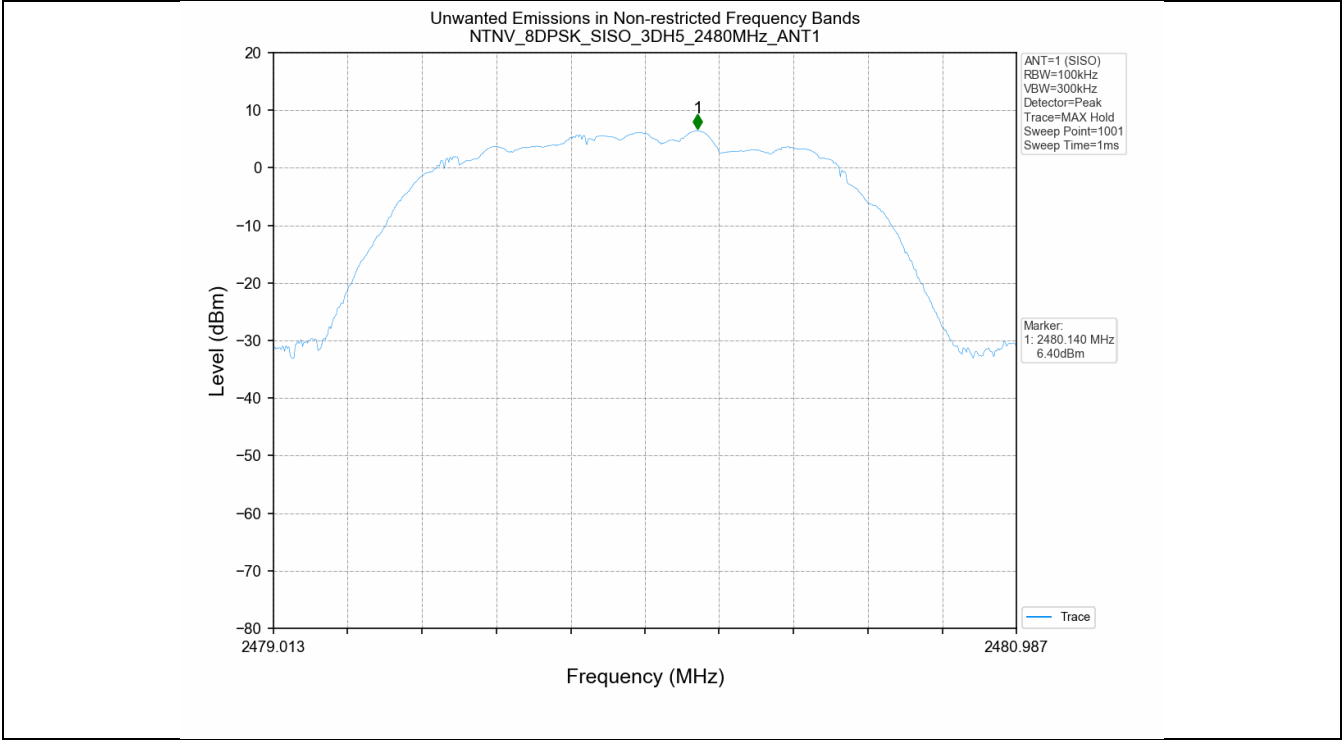


Unwanted Emissions in Non-restricted Frequency Bands
NTNV_Pi/4QPSK_SISO_2DH5_2441MHz_ANT1

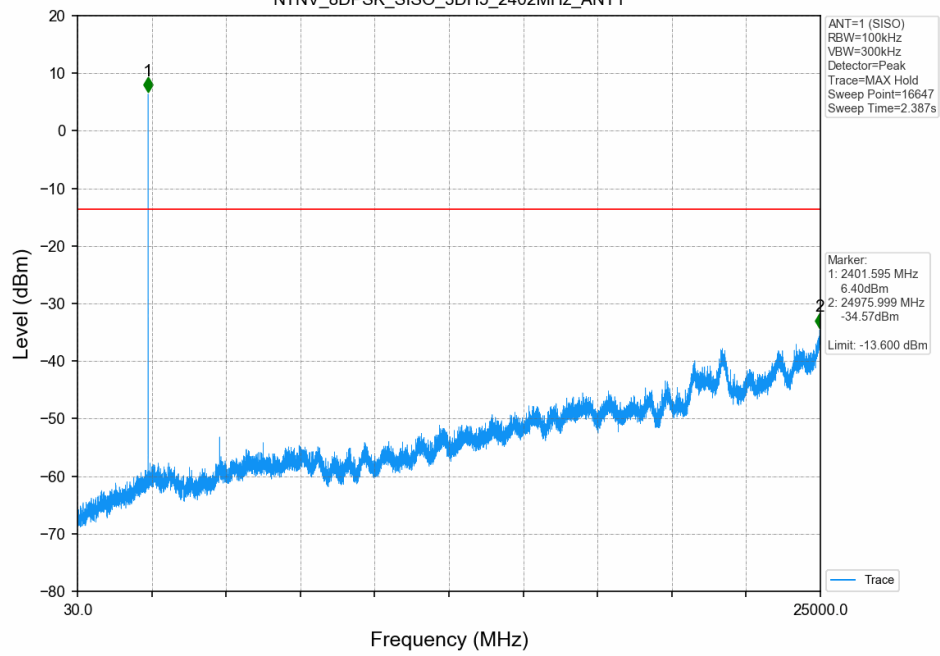




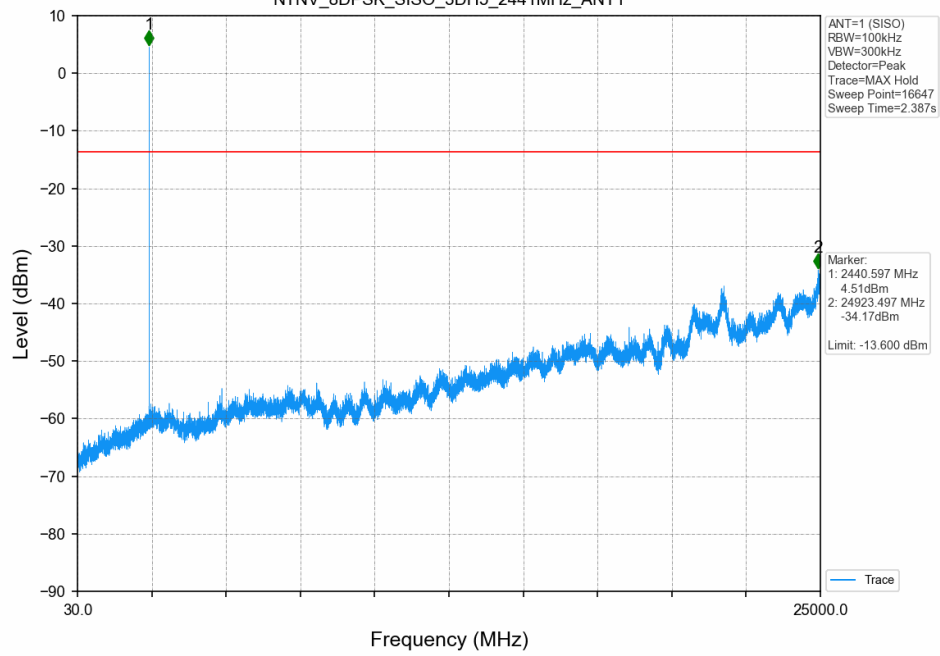


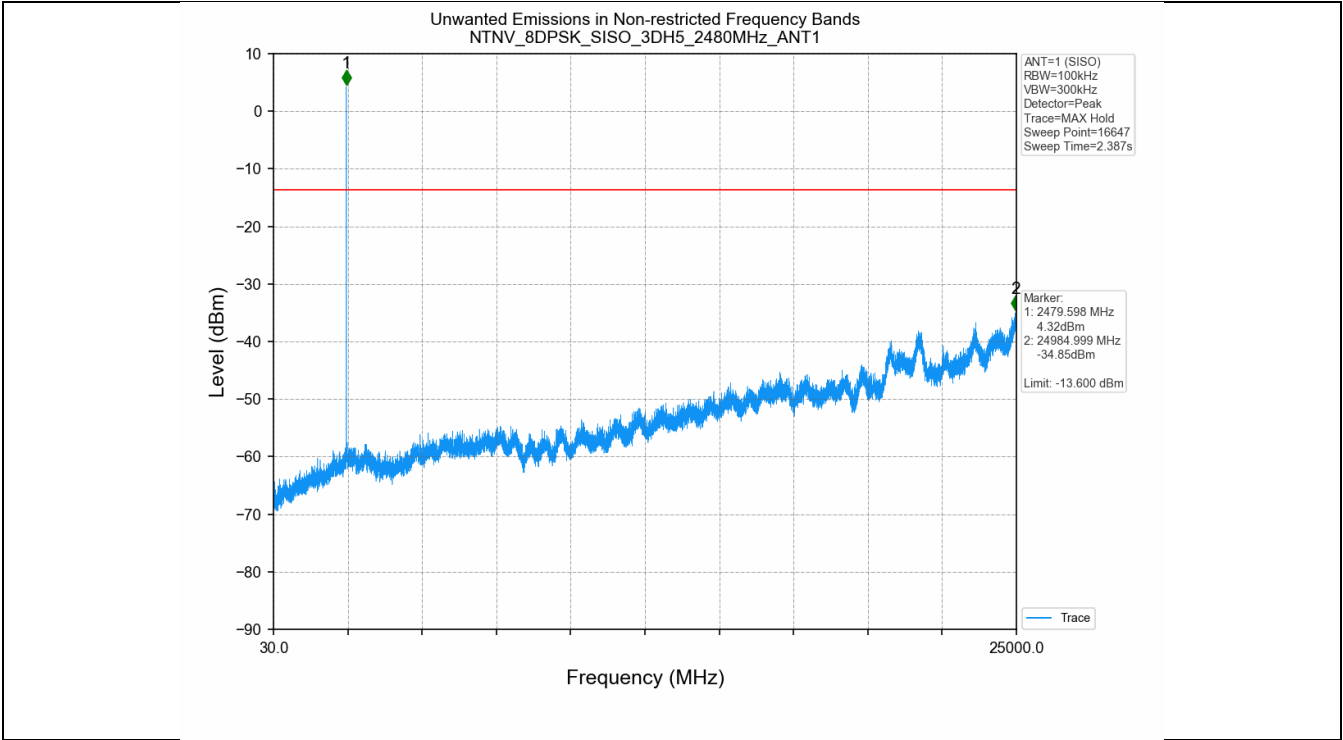
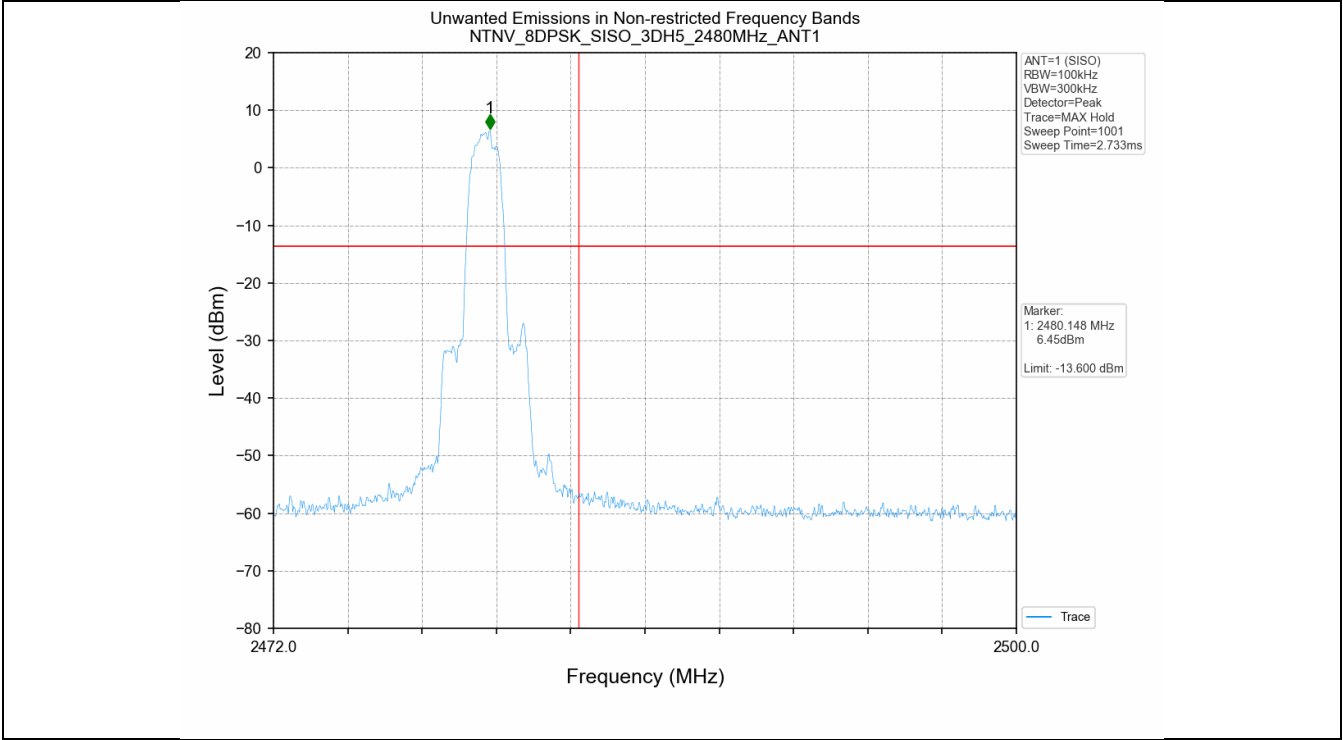


Unwanted Emissions in Non-restricted Frequency Bands
NTNV_8DPSK_SISO_3DH5_2402MHz_ANT1

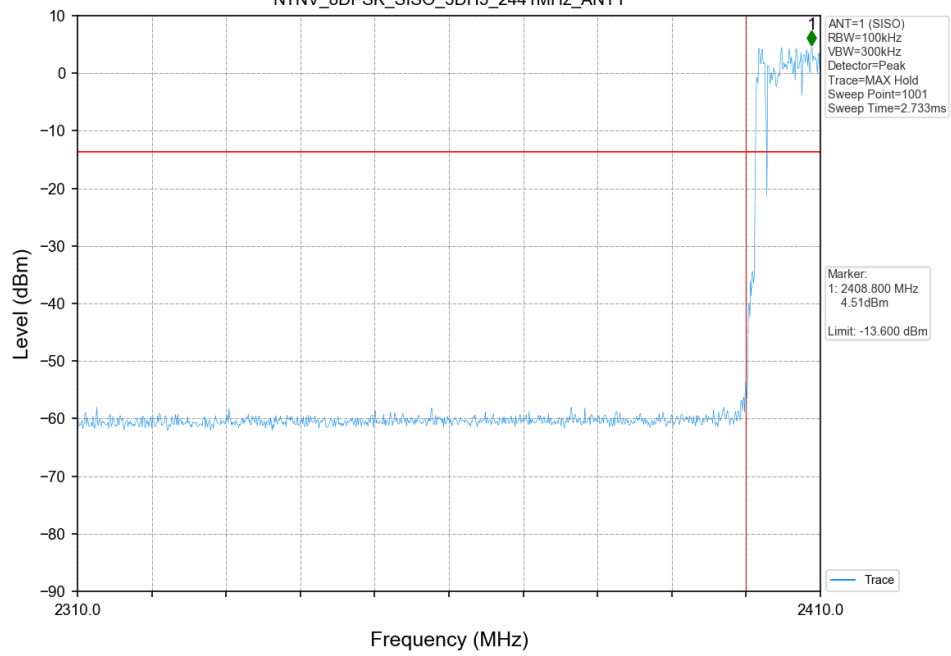


Unwanted Emissions in Non-restricted Frequency Bands
NTNV_8DPSK_SISO_3DH5_2441MHz_ANT1





Unwanted Emissions in Non-restricted Frequency Bands
NTNV_8DPSK_SISO_3DH5_2441MHz_ANT1



Unwanted Emissions in Non-restricted Frequency Bands
NTNV_8DPSK_SISO_3DH5_2441MHz_ANT1

