

Appendix for 15.247

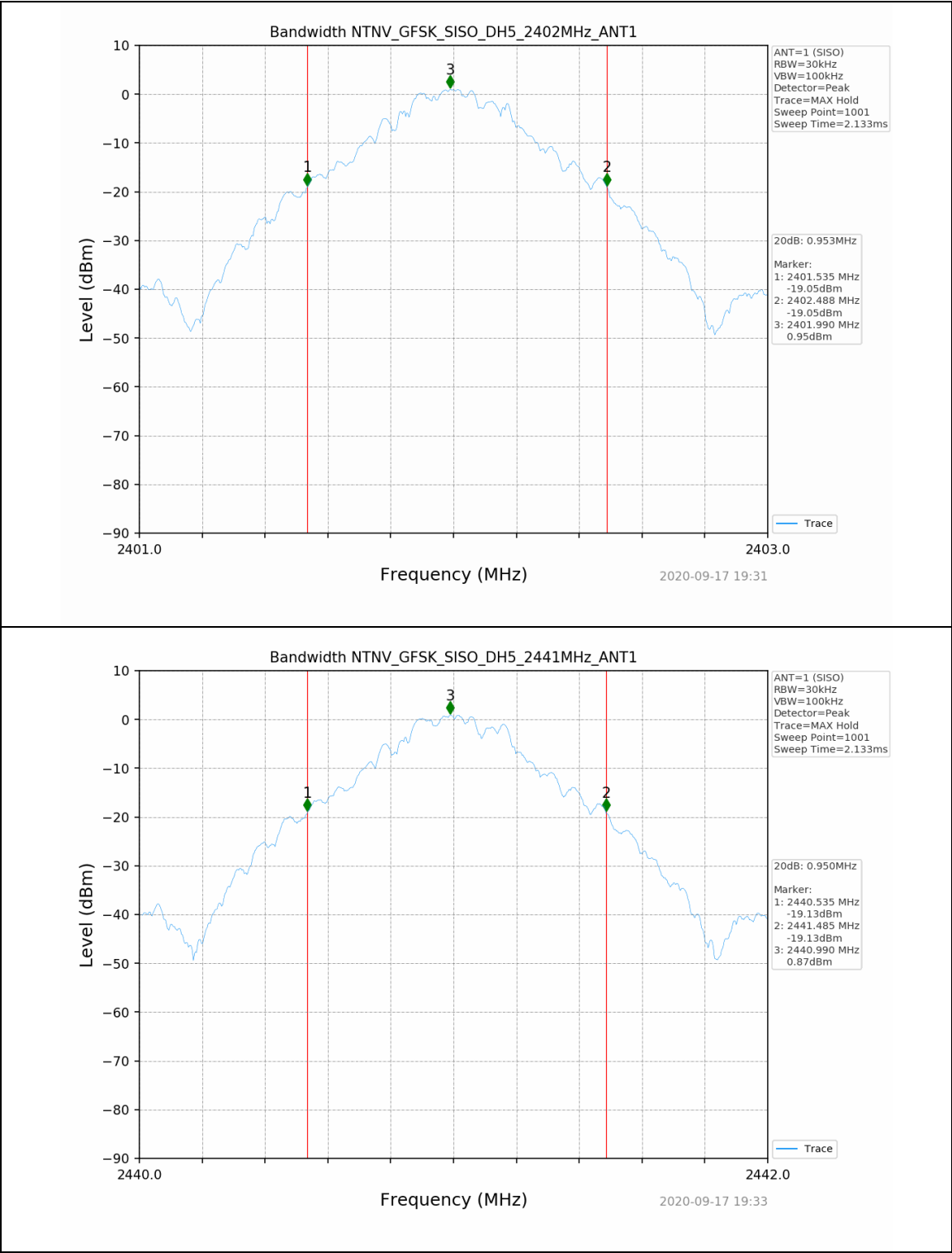
1. Bandwidth

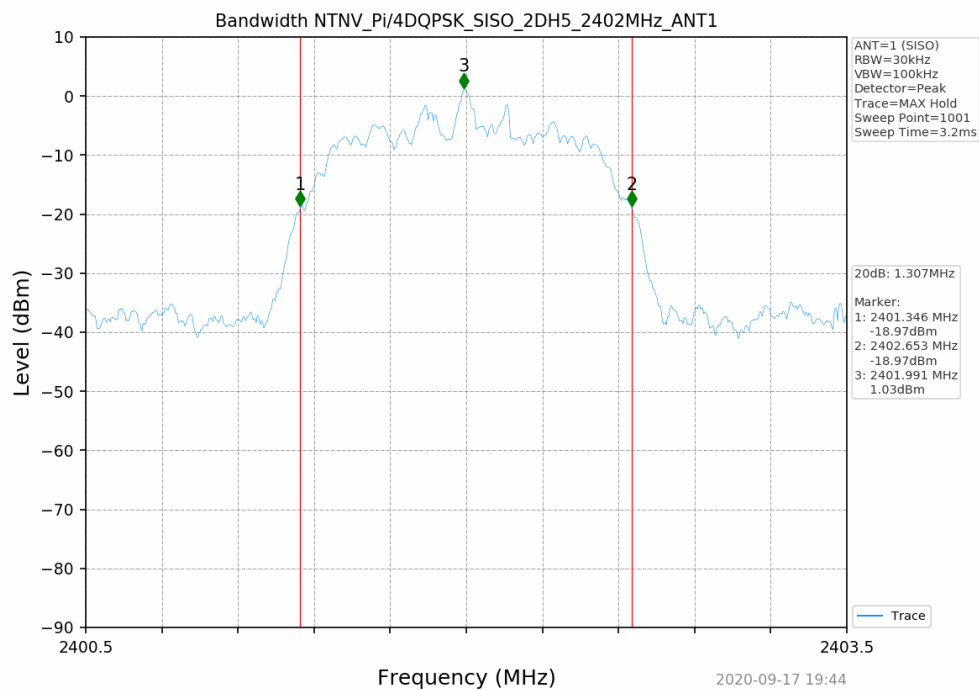
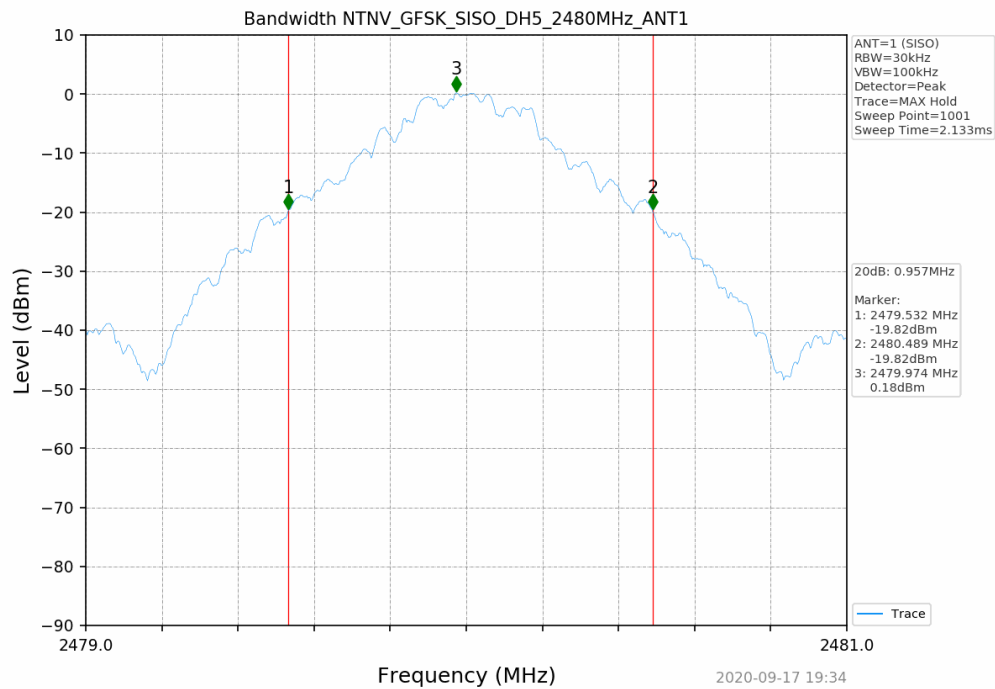
1.1 Test Result

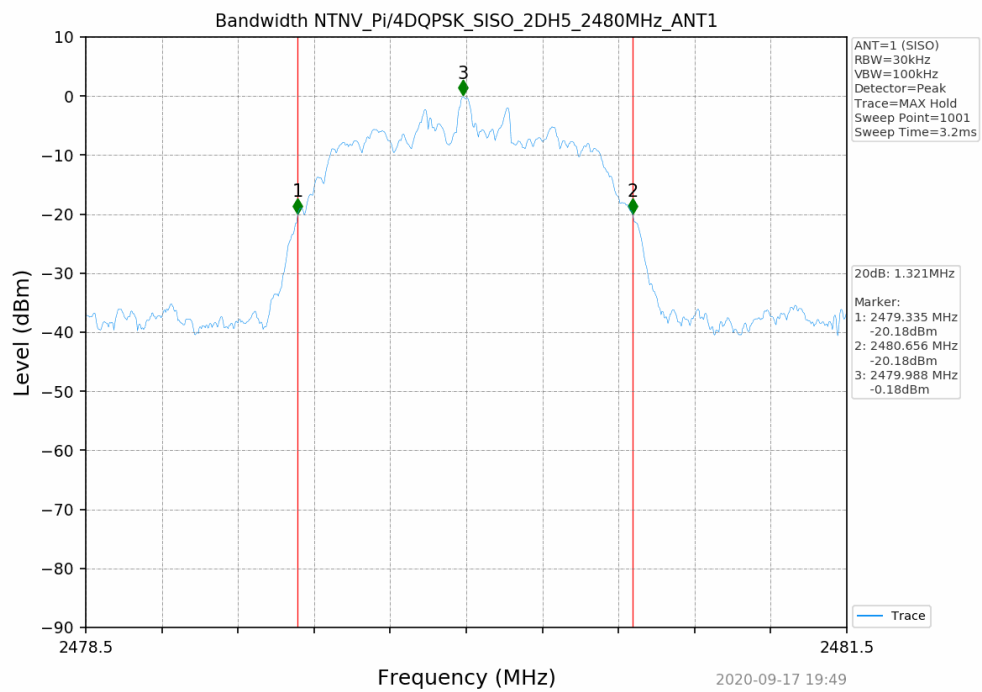
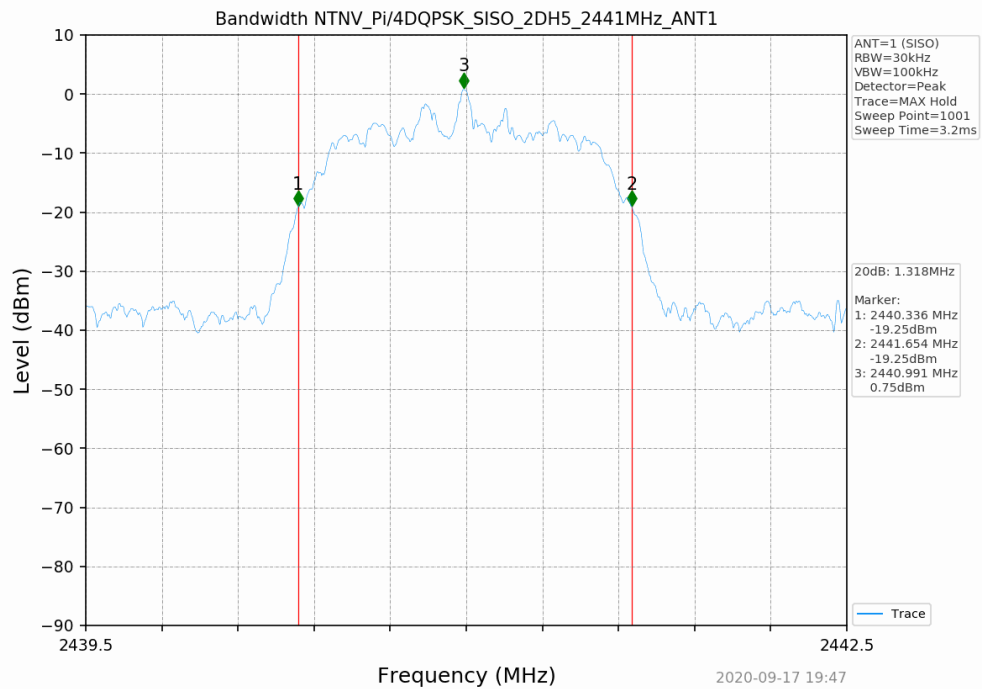
Test Mode	Frequency (MHz)	TX Type	ANT No.	20dB Bandwidth	Verdict
				Test Result (MHz)	
GFSK	2402	SISO	1	0.953	PASS
	2441	SISO	1	0.950	PASS
	2480	SISO	1	0.957	PASS
Pi/4DQPSK	2402	SISO	1	1.307	PASS
	2441	SISO	1	1.318	PASS
	2480	SISO	1	1.321	PASS
8DPSK	2402	SISO	1	1.311	PASS
	2441	SISO	1	1.351	PASS
	2480	SISO	1	1.310	PASS

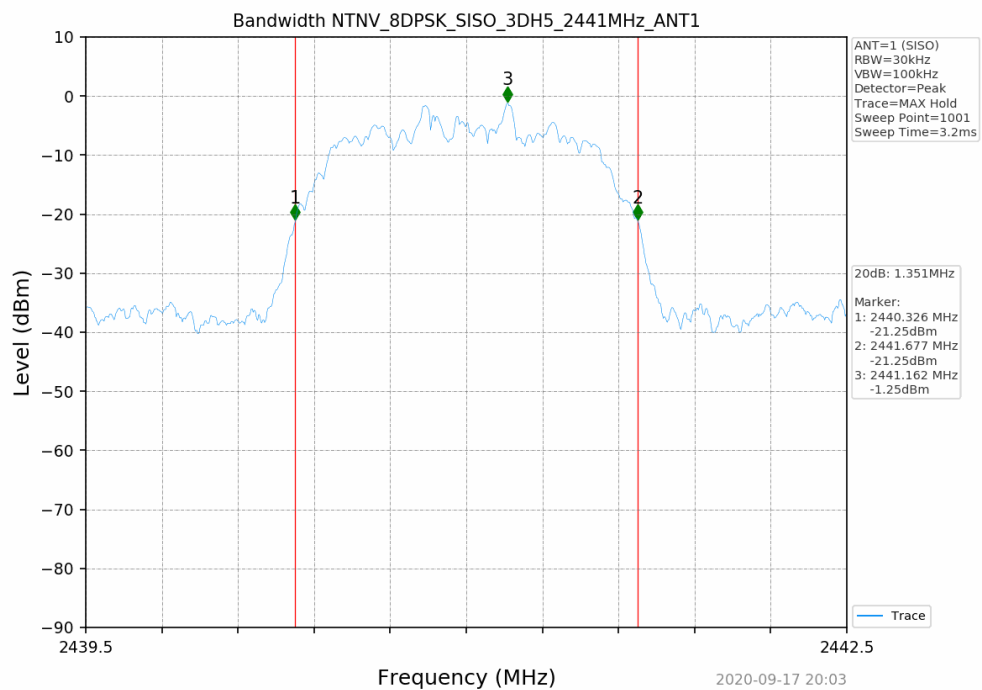
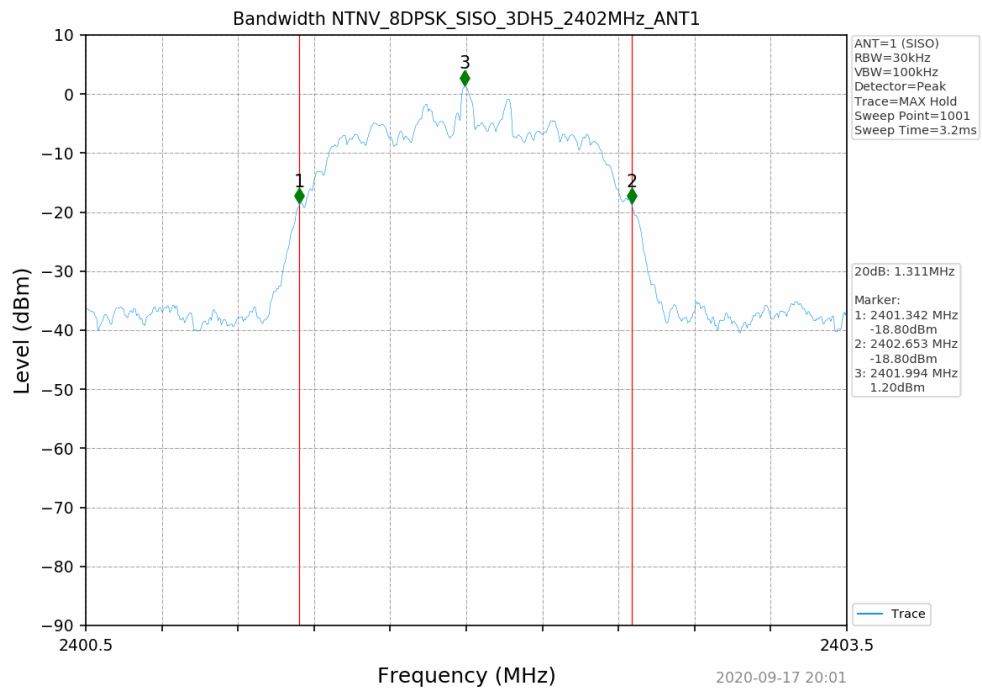
Test Mode	Frequency (MHz)	TX Type	ANT No.	99% Occupied Bandwidth	
				Test Result (MHz)	
GFSK	2402	SISO	1	0.854	Only for Report Use
	2441	SISO	1	0.855	Only for Report Use
	2480	SISO	1	0.860	Only for Report Use
Pi/4DQPSK	2402	SISO	1	1.193	Only for Report Use
	2441	SISO	1	1.190	Only for Report Use
	2480	SISO	1	1.192	Only for Report Use
8DPSK	2402	SISO	1	1.193	Only for Report Use
	2441	SISO	1	1.196	Only for Report Use
	2480	SISO	1	1.193	Only for Report Use

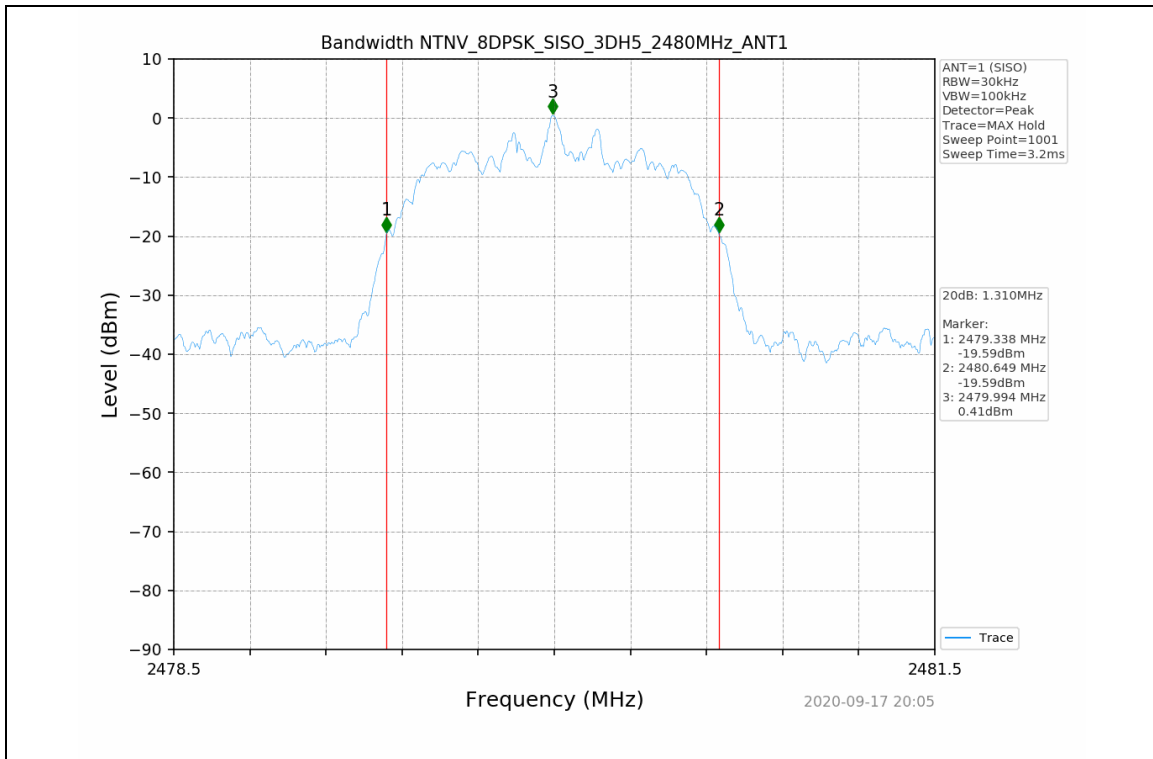
1.2 Test Graph - 20dB Bandwidth



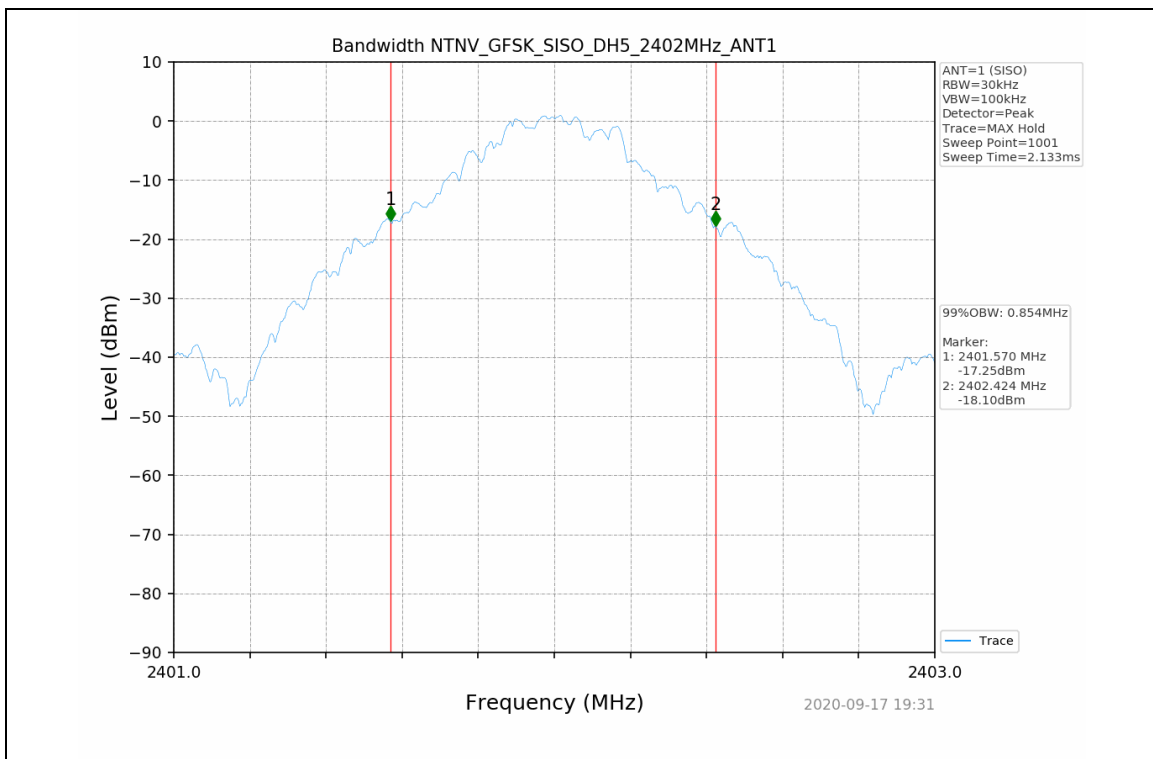


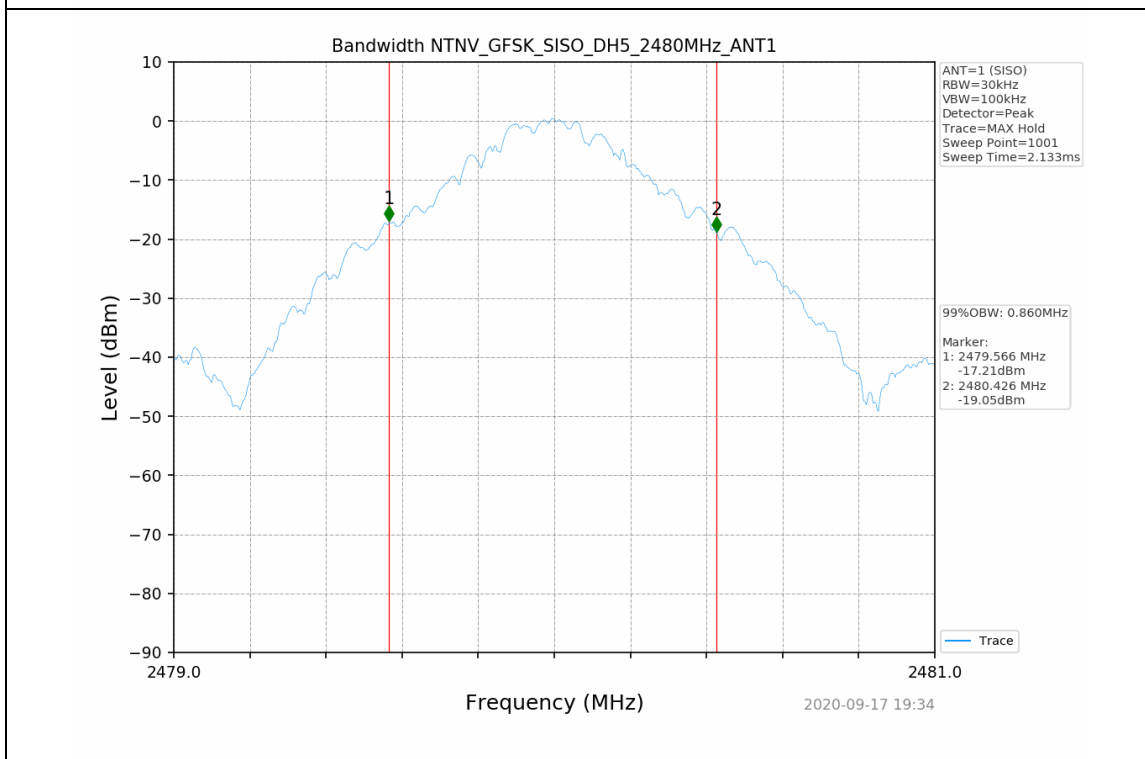
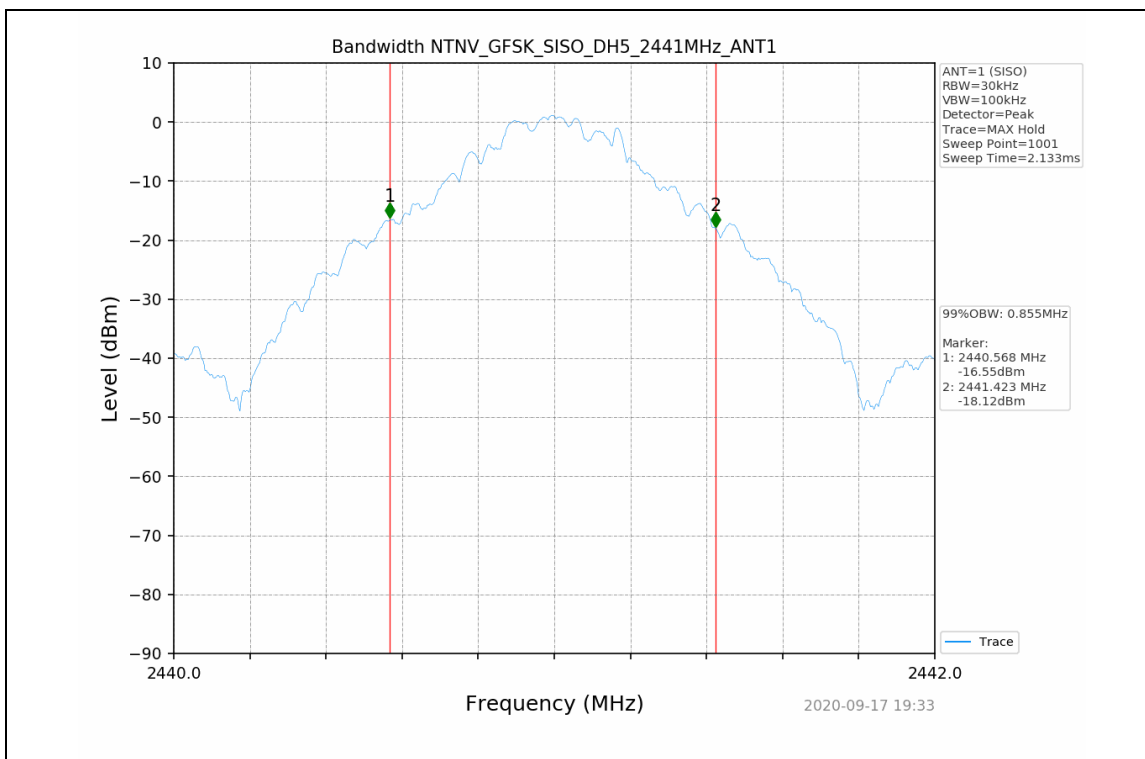


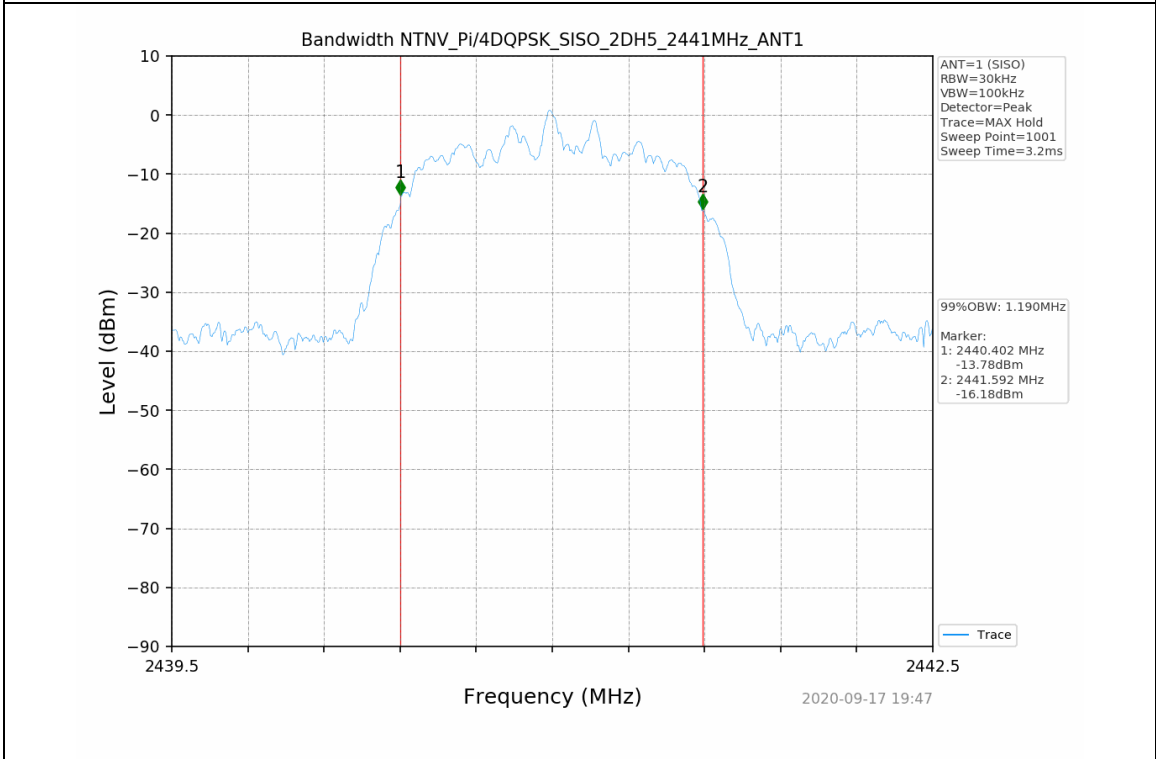
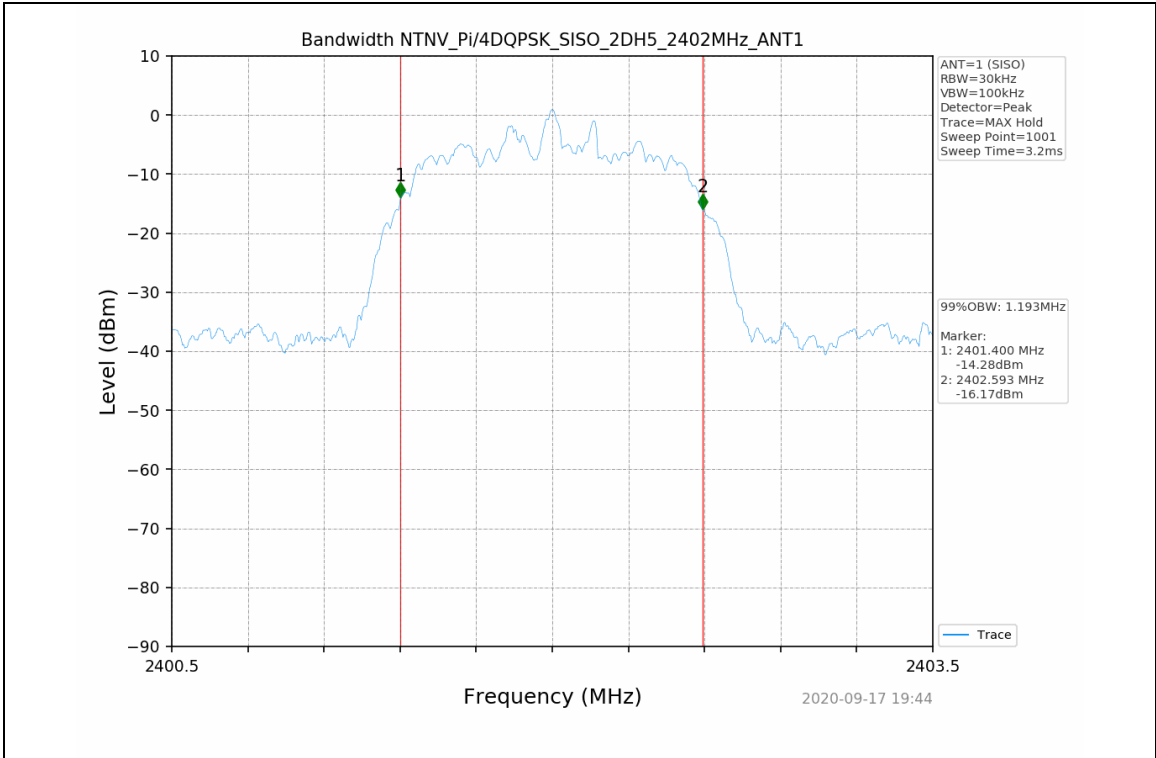


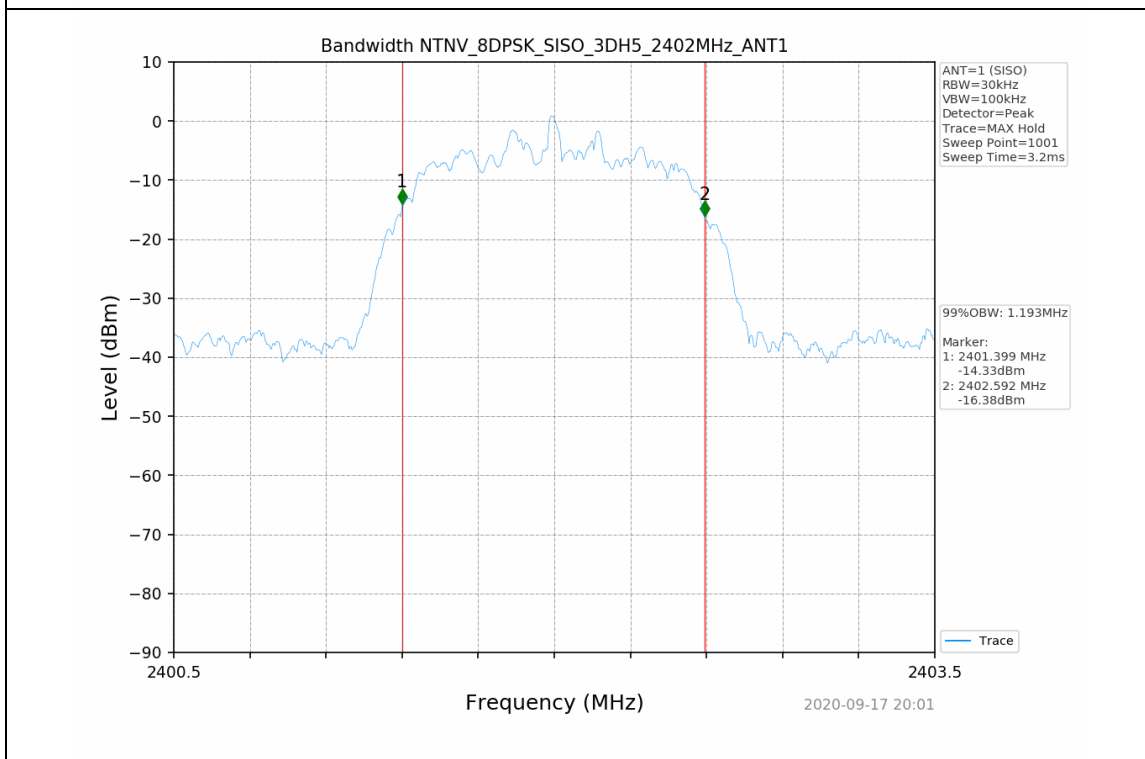
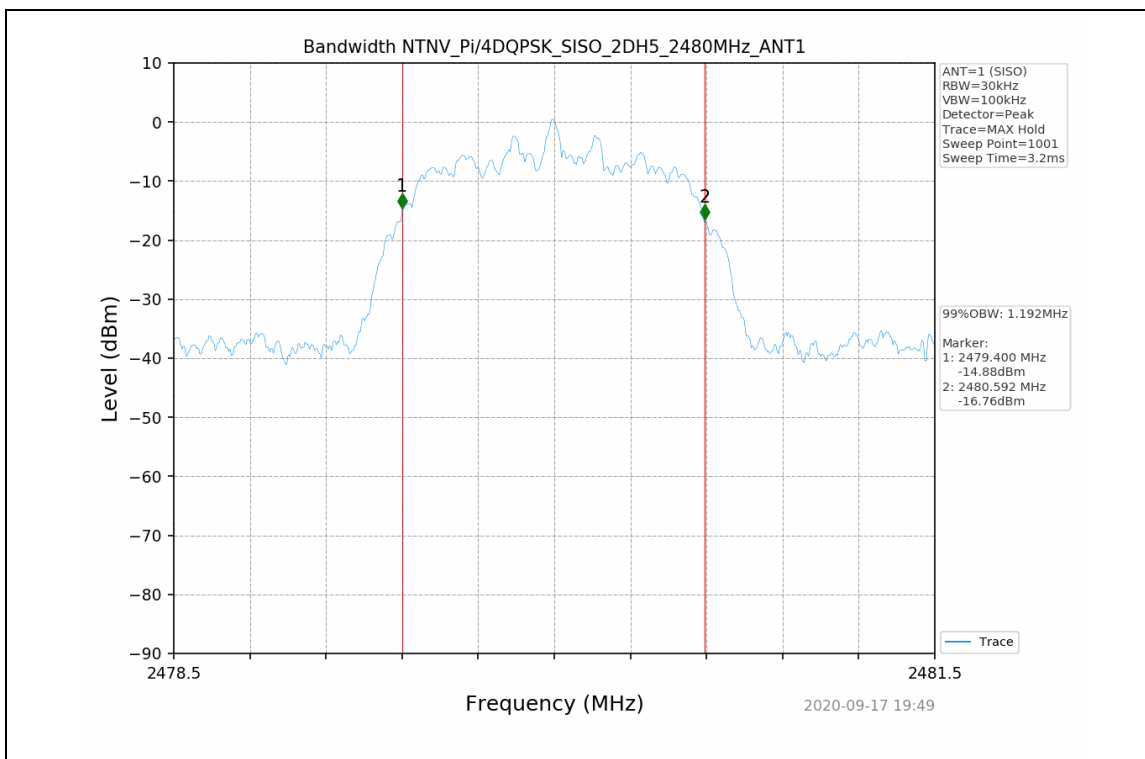


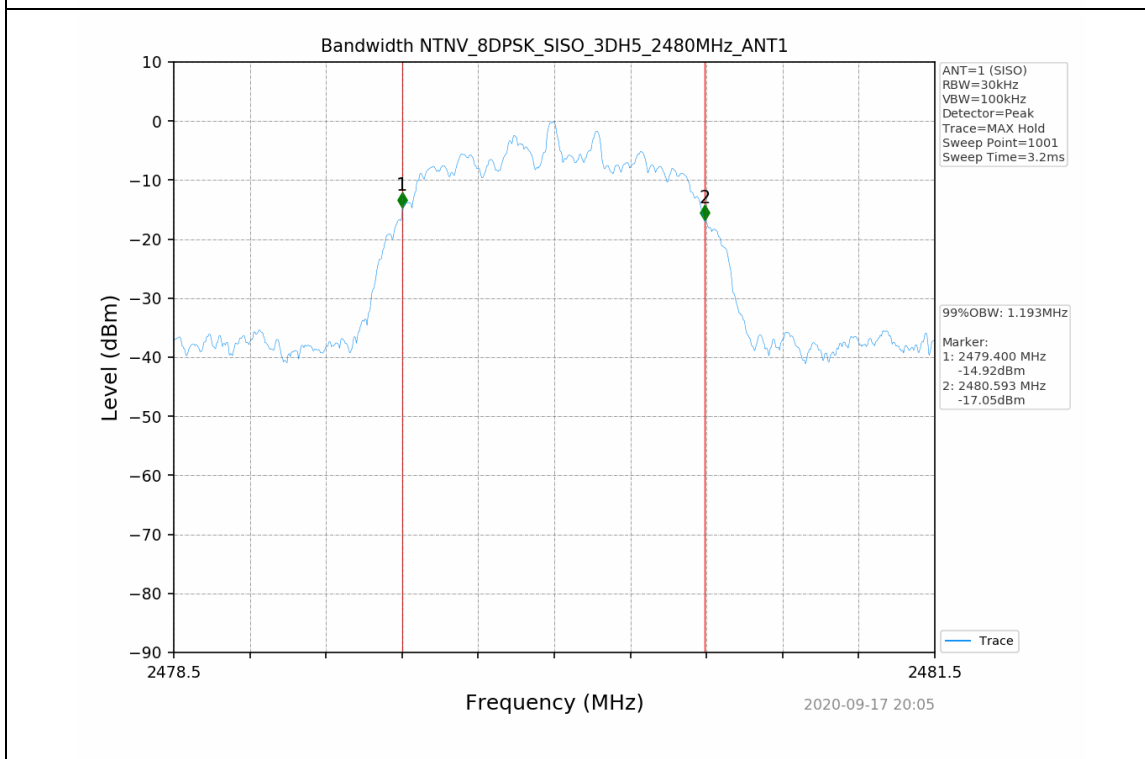
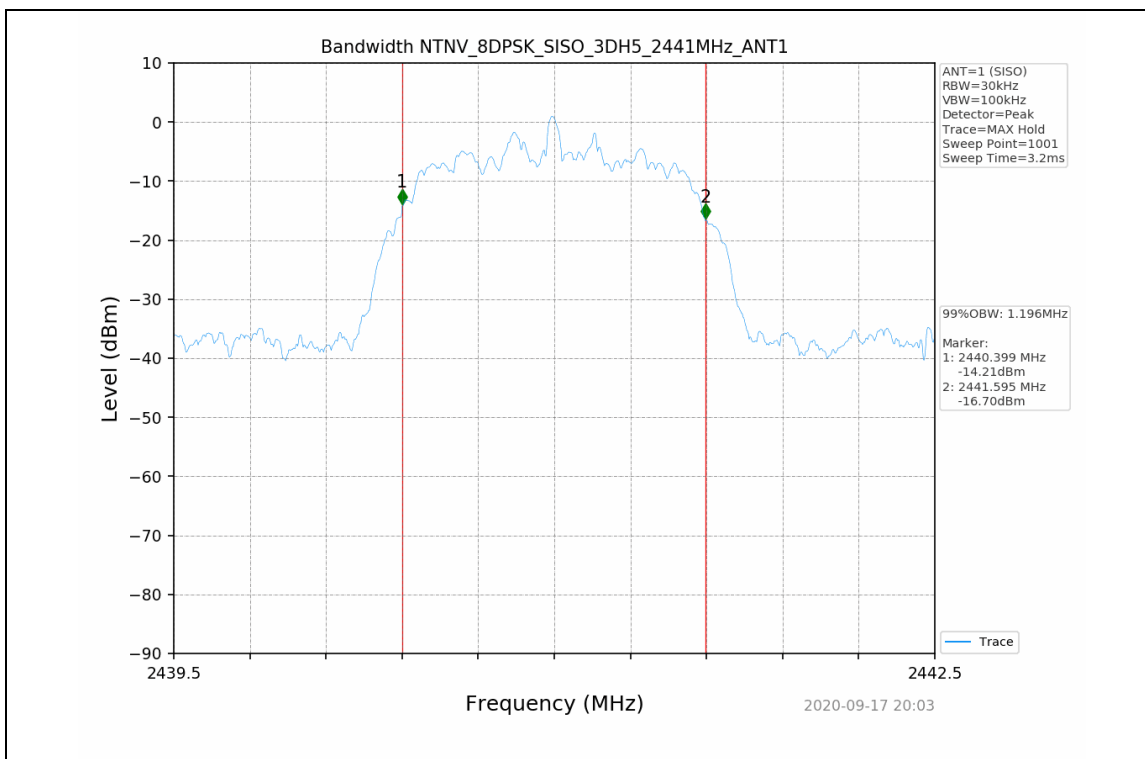
1.3 Test Graph - 99% Occupied Bandwidth









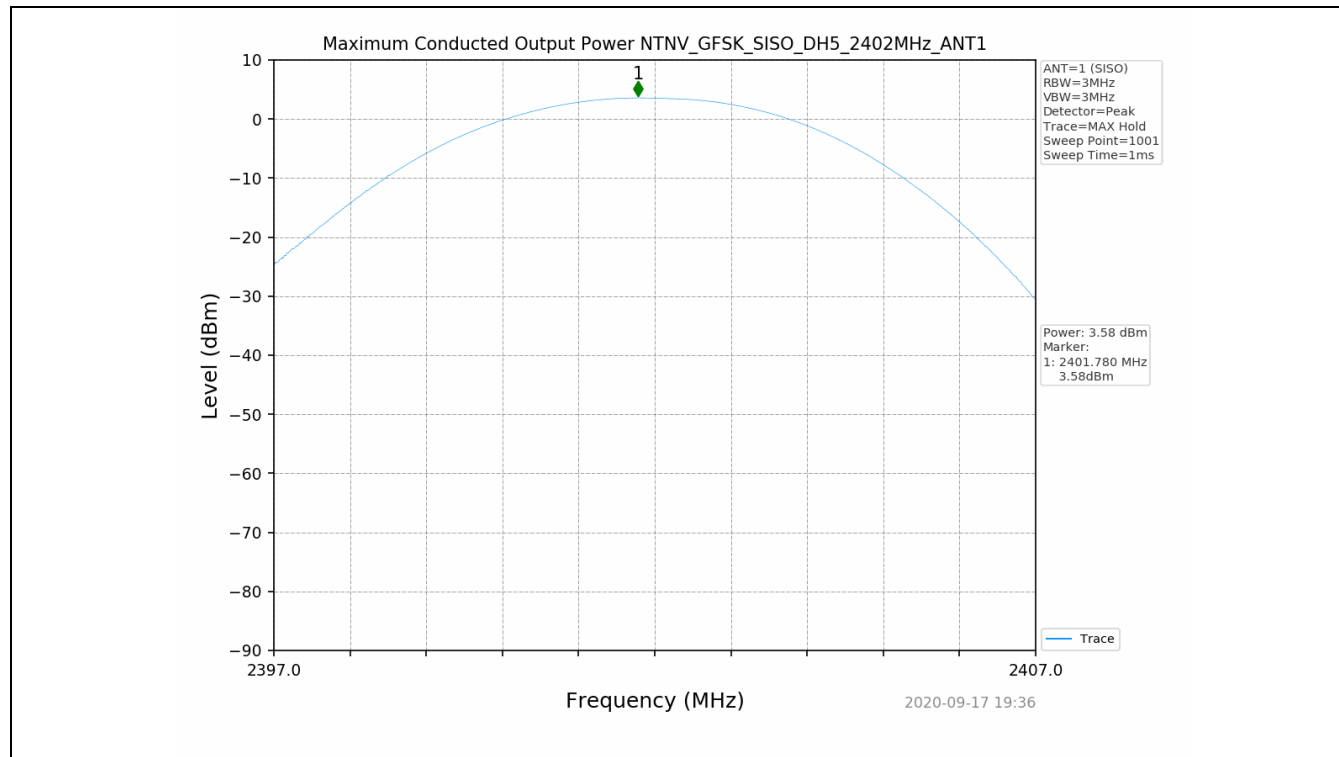


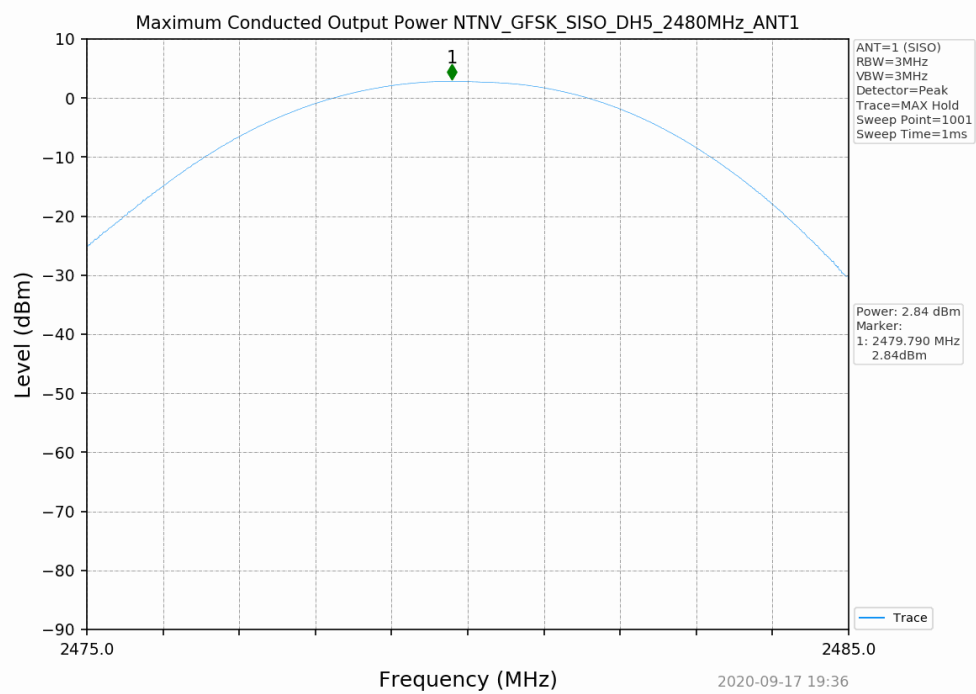
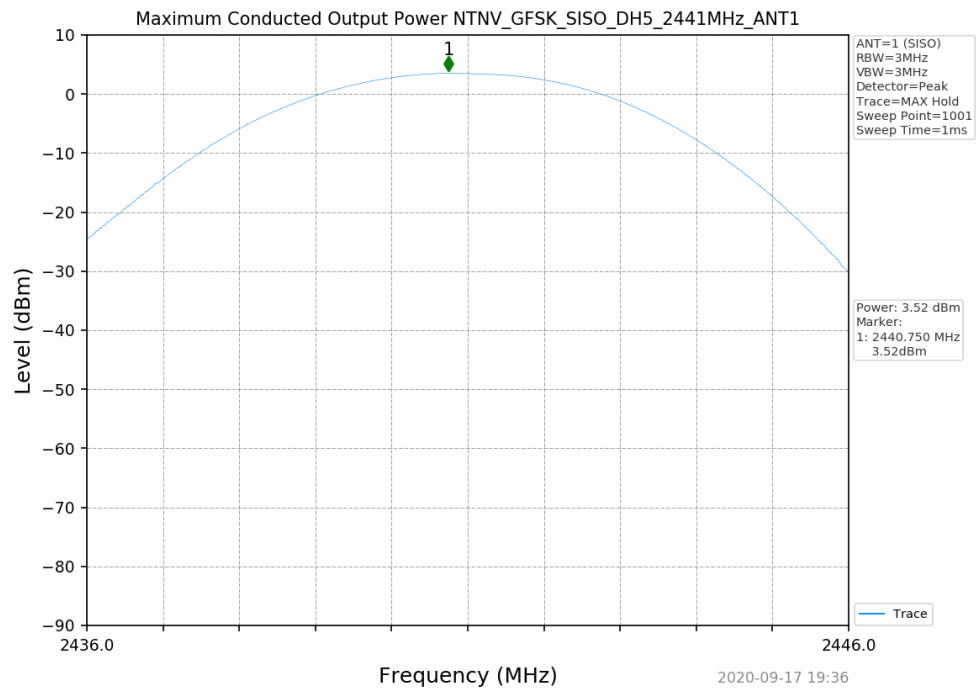
2. Maximum Conducted Output Power

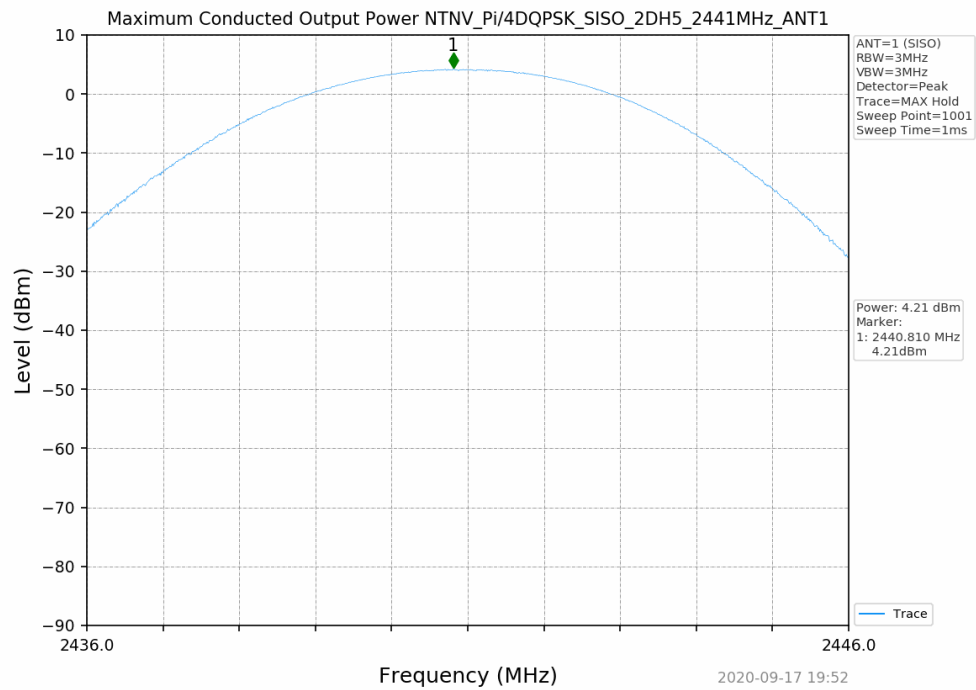
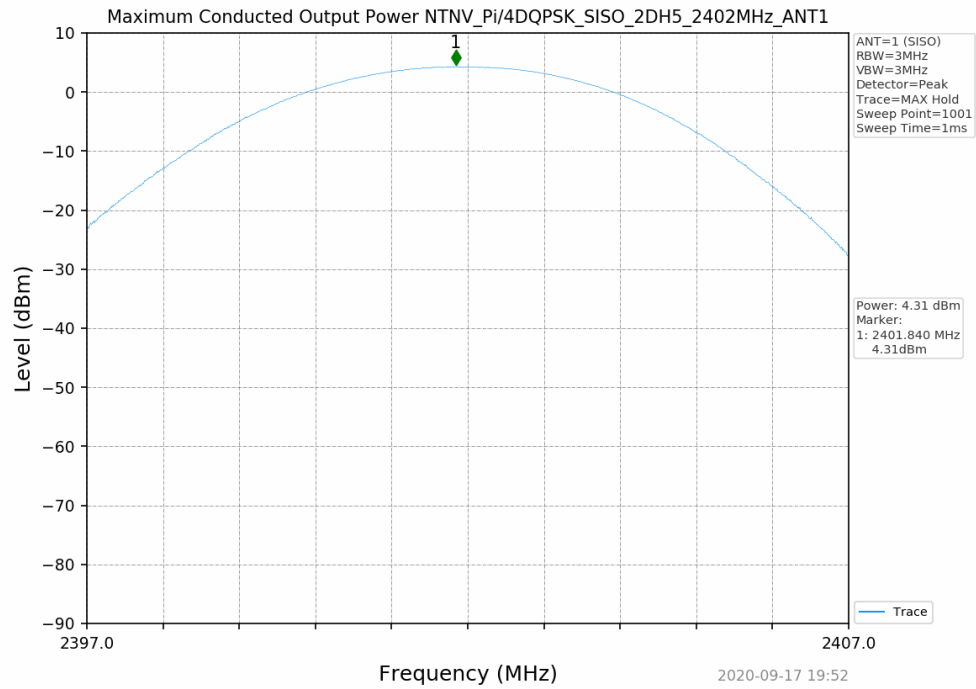
2.1 Test Result

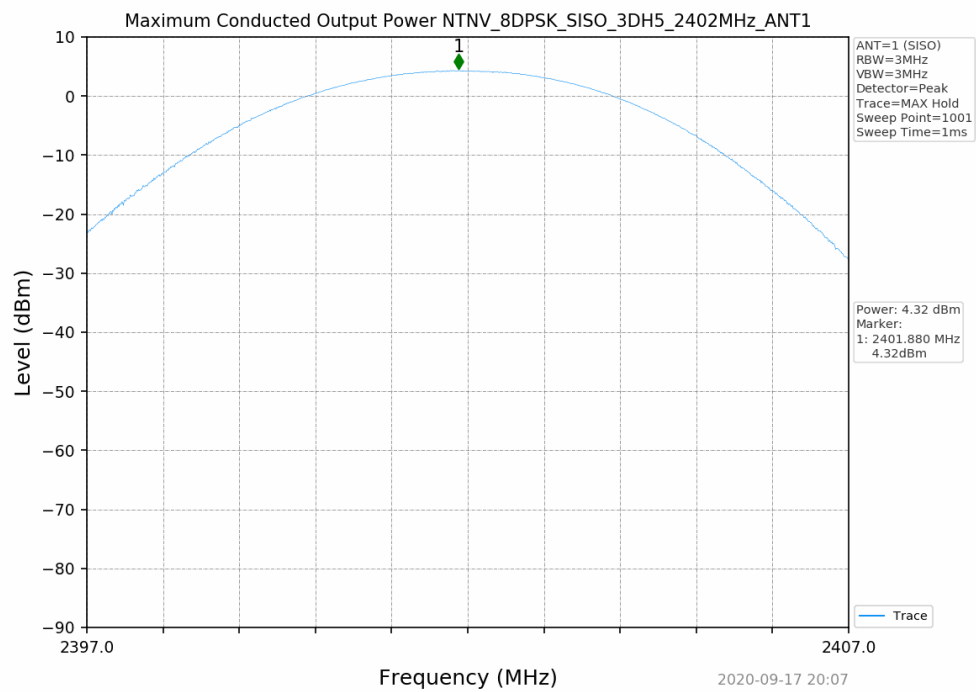
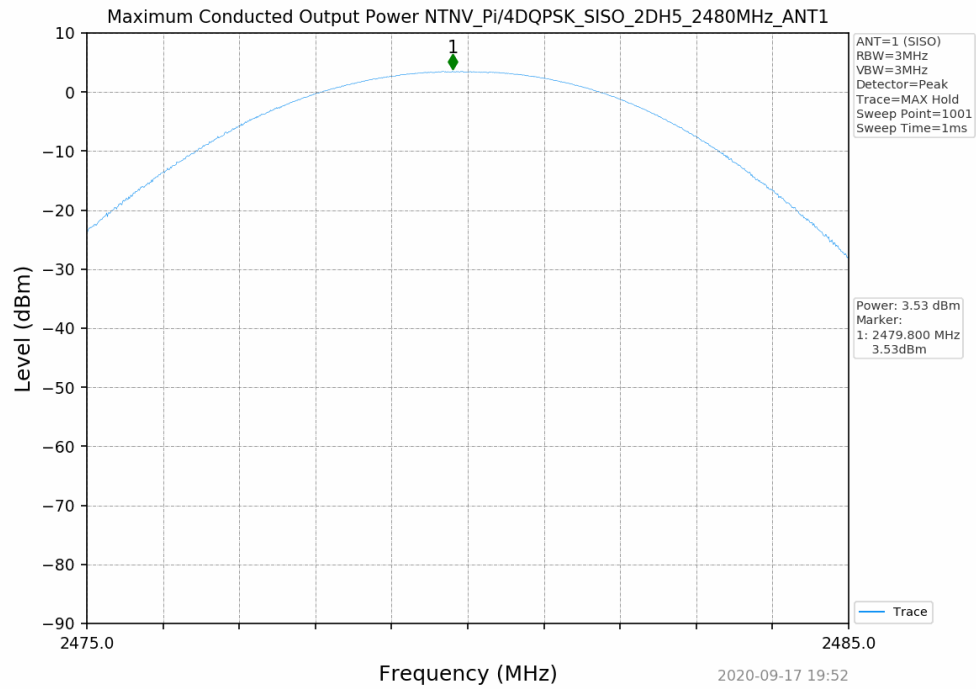
Test Mode	Frequency (MHz)	Tx Type	Measured Peak Output Power (dBm)	Limits (dBm)	Verdict
			Ant 1		
GFSK	2402	SISO	3.58	30	PASS
	2441	SISO	3.52	30	PASS
	2480	SISO	2.84	30	PASS
Pi/4DQPSK	2402	SISO	4.31	20.97	PASS
	2441	SISO	4.21	20.97	PASS
	2480	SISO	3.53	20.97	PASS
8DPSK	2402	SISO	4.32	20.97	PASS
	2441	SISO	4.21	20.97	PASS
	2480	SISO	3.51	20.97	PASS

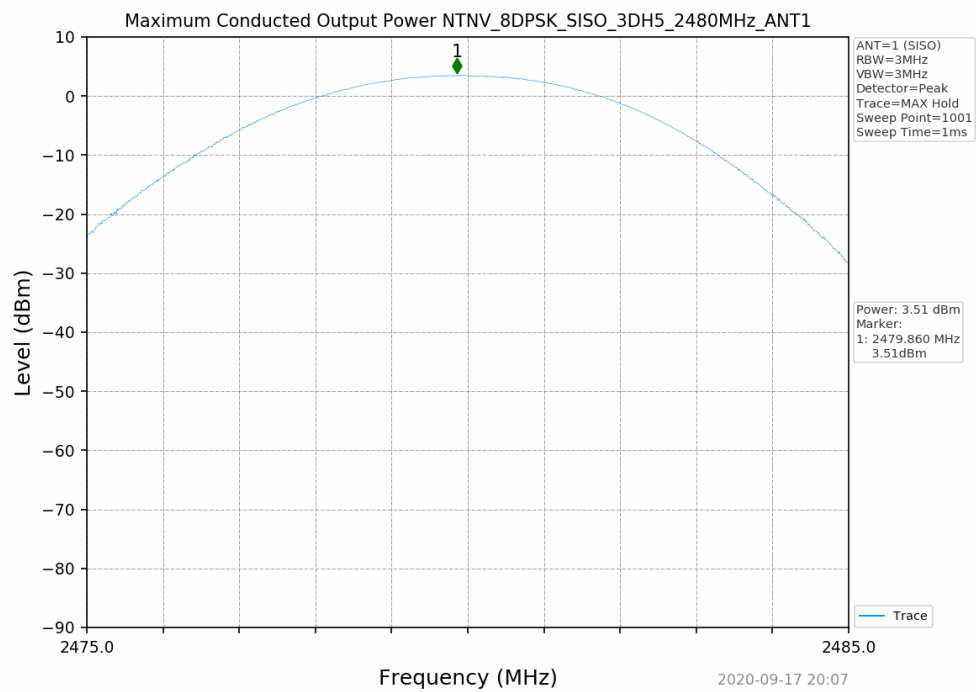
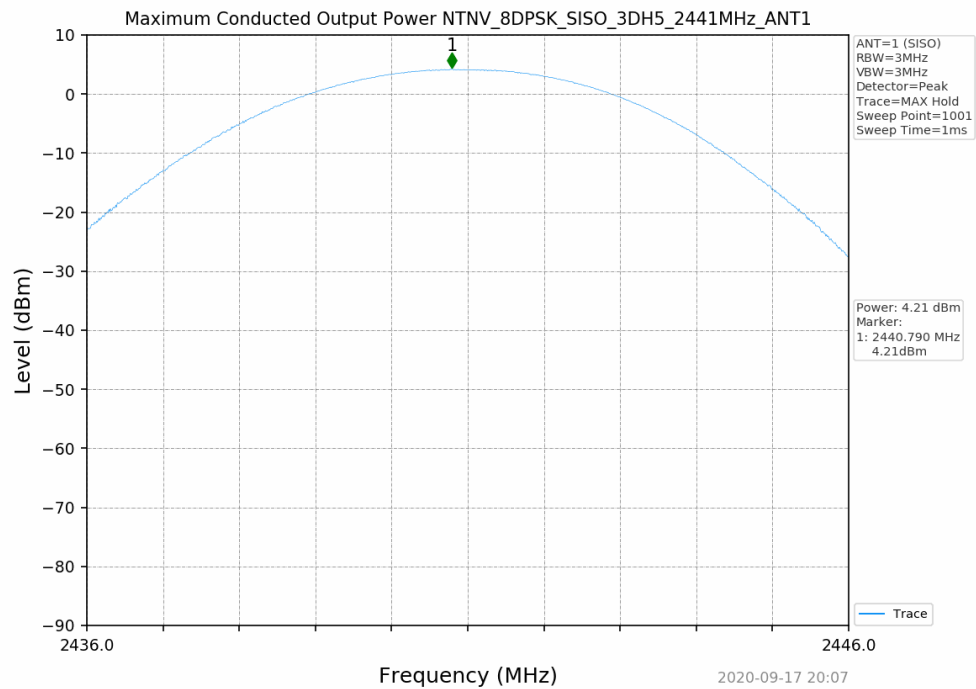
2.2 Test Graph









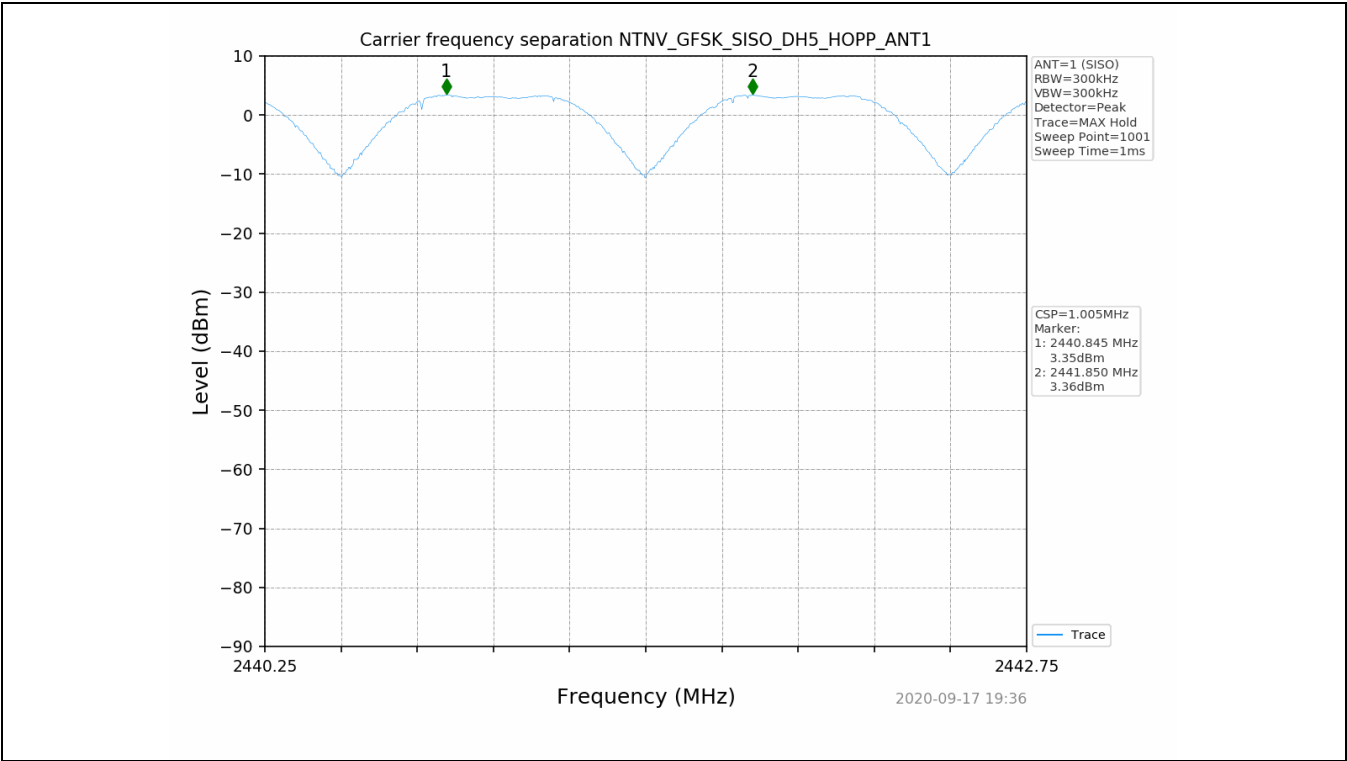


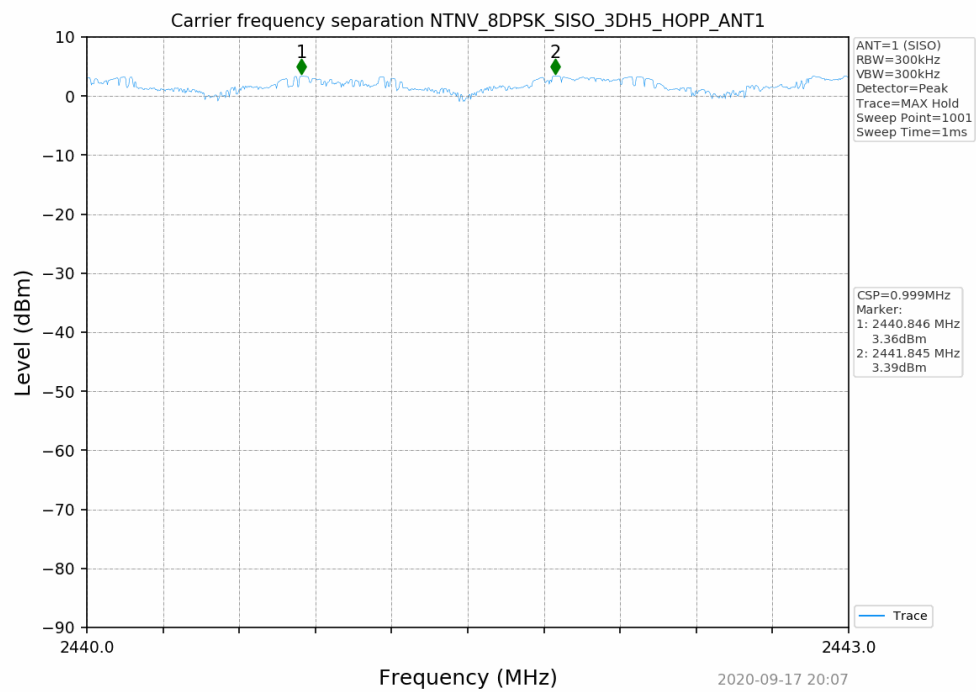
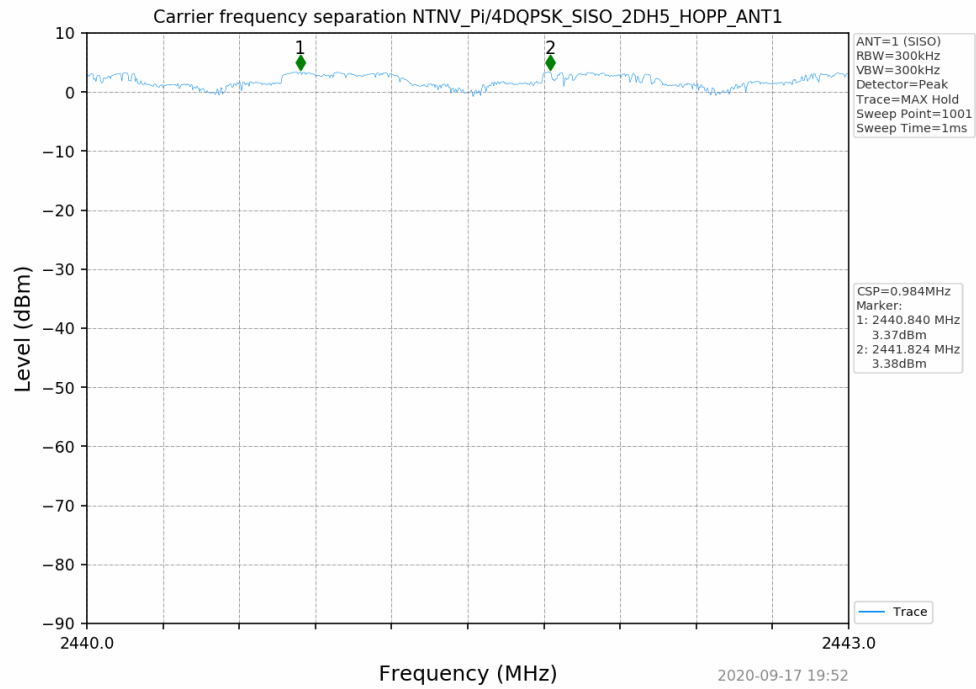
3. Carrier frequency separation

3.1 Test Result

Test Mode	TX Type	ANT No.	Channel Separation (MHz)	20dB Bandwidth (MHz)	Limits (MHz)	Verdict
GFSK	SISO	1	1.005	0.957	≥ 0.957	PASS
Pi/4DQPSK	SISO	1	0.984	1.321	≥ 0.881	PASS
8DPSK	SISO	1	0.999	1.351	≥ 0.901	PASS

3.2 Test Graph



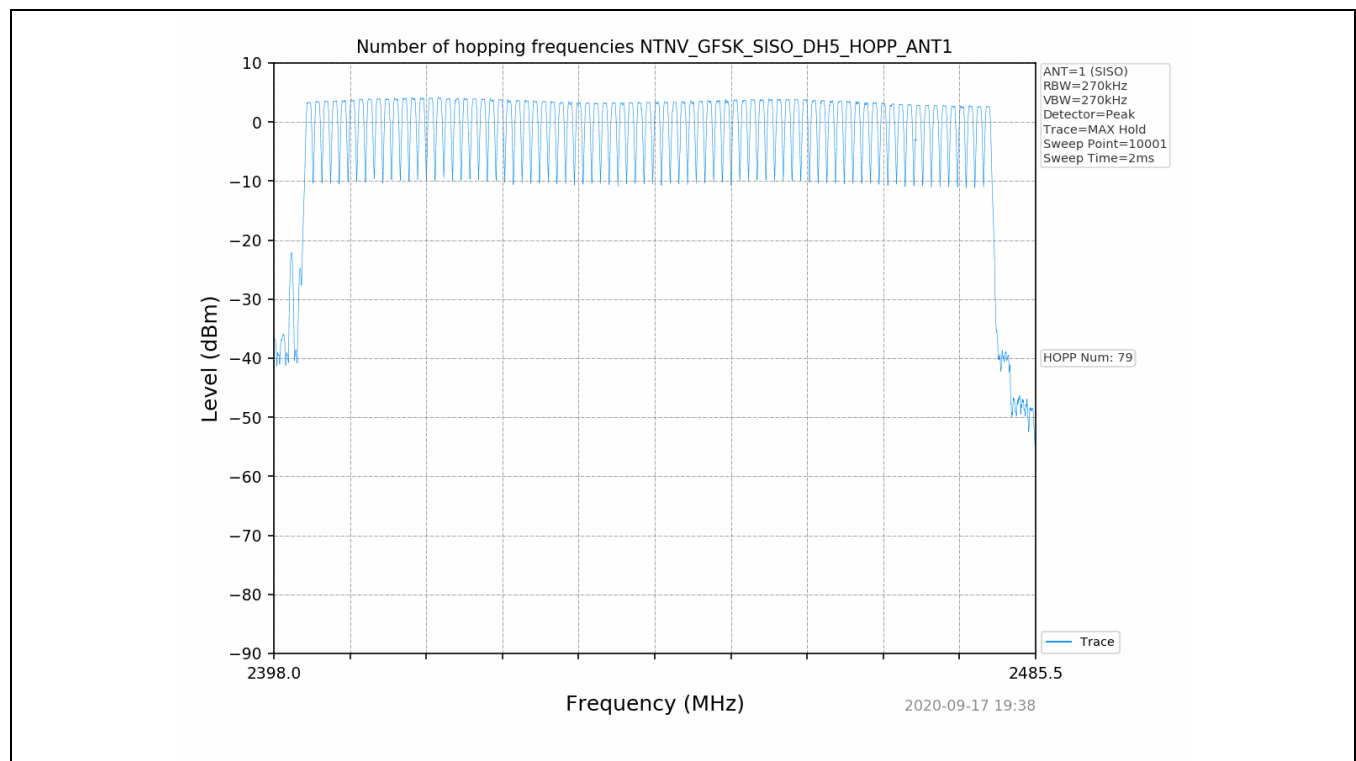


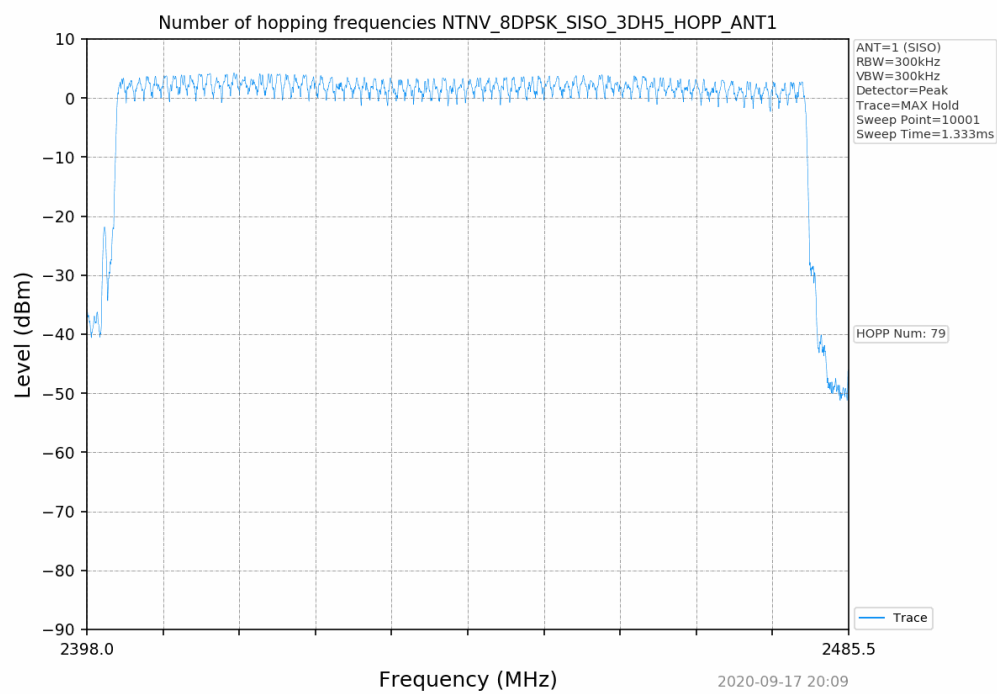
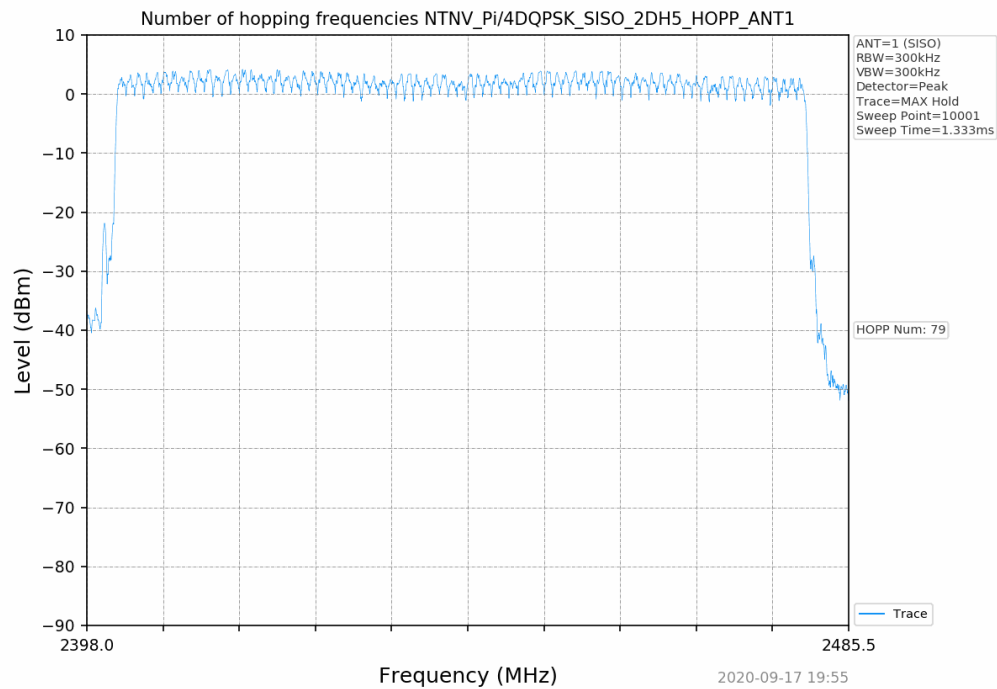
4. Number of hopping frequencies

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





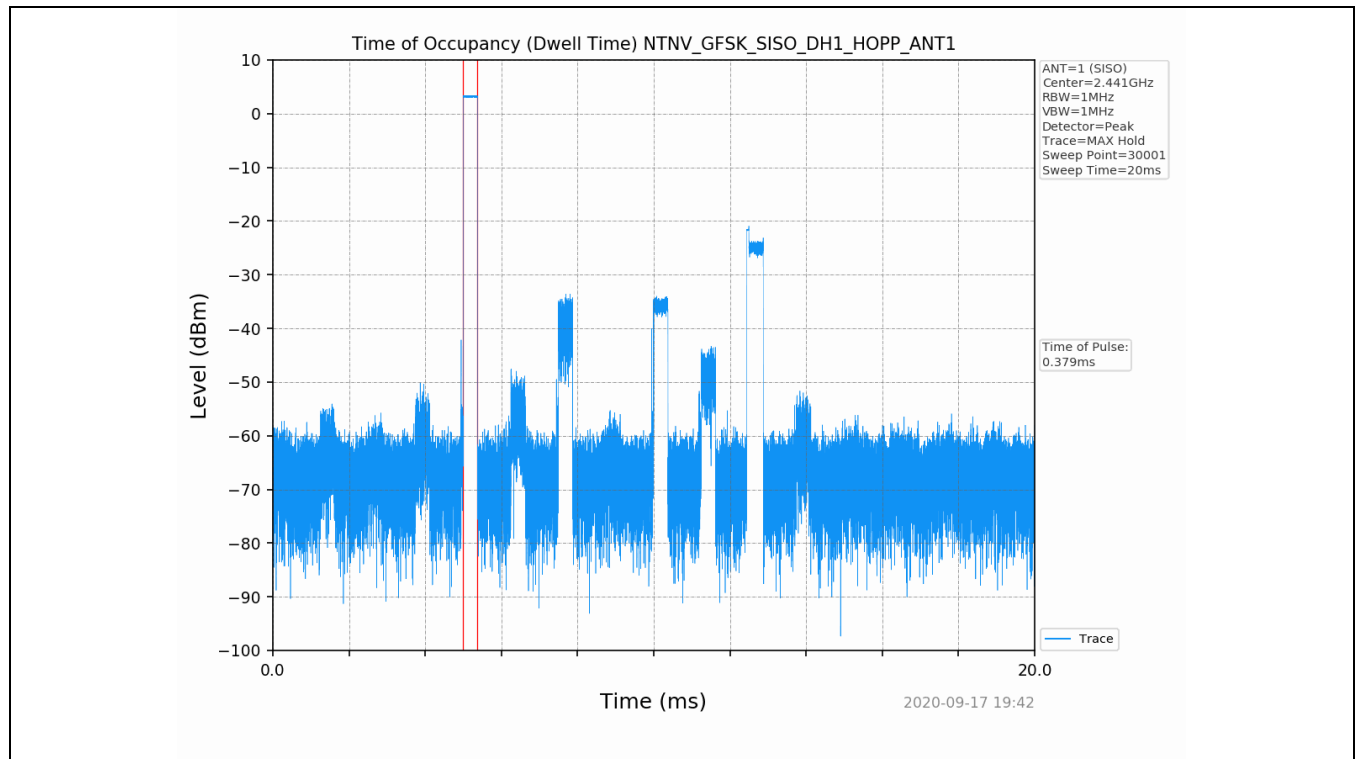
5. Time of Occupancy (Dwell Time)

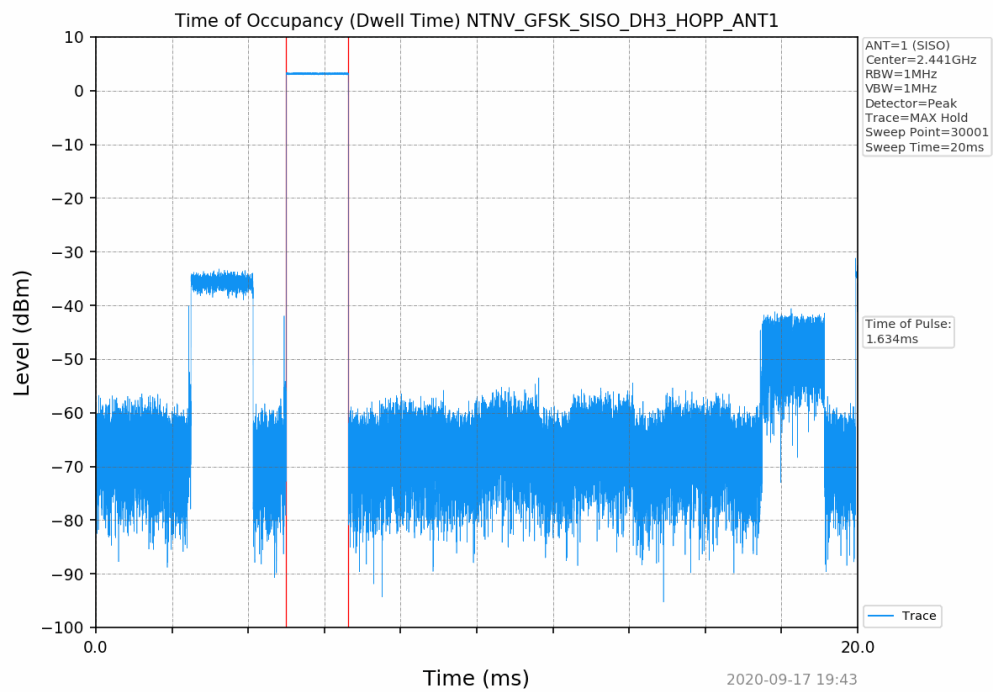
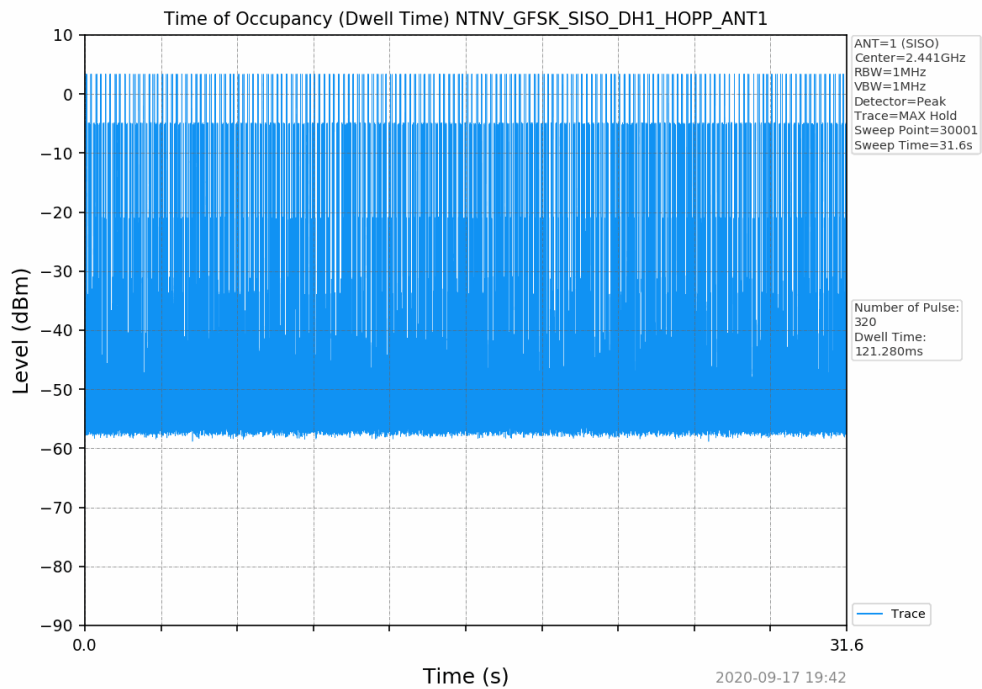
5.1 Test Result

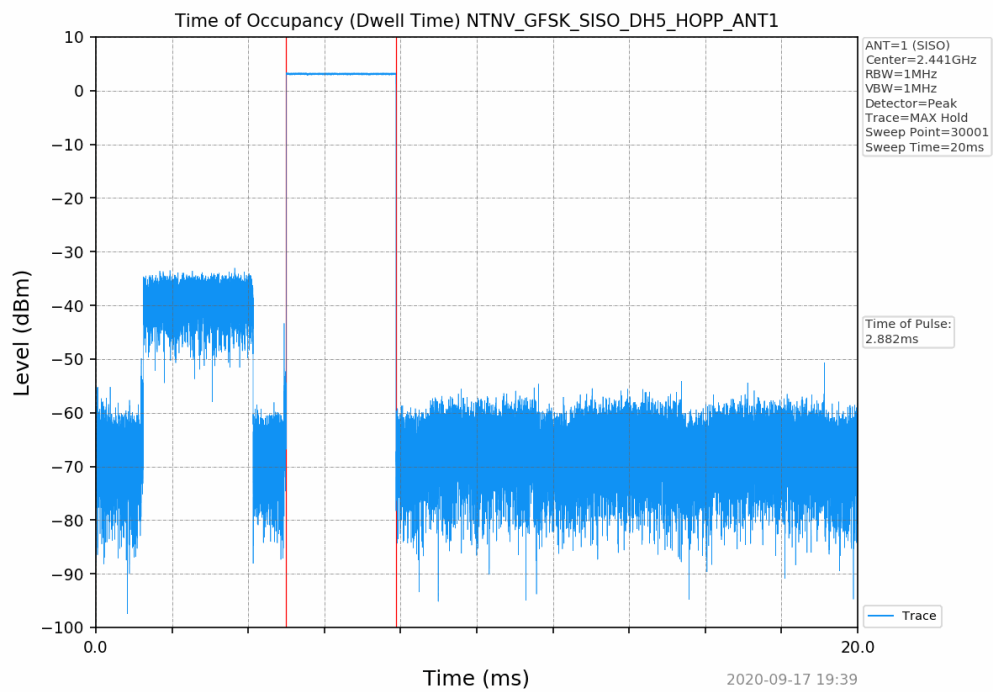
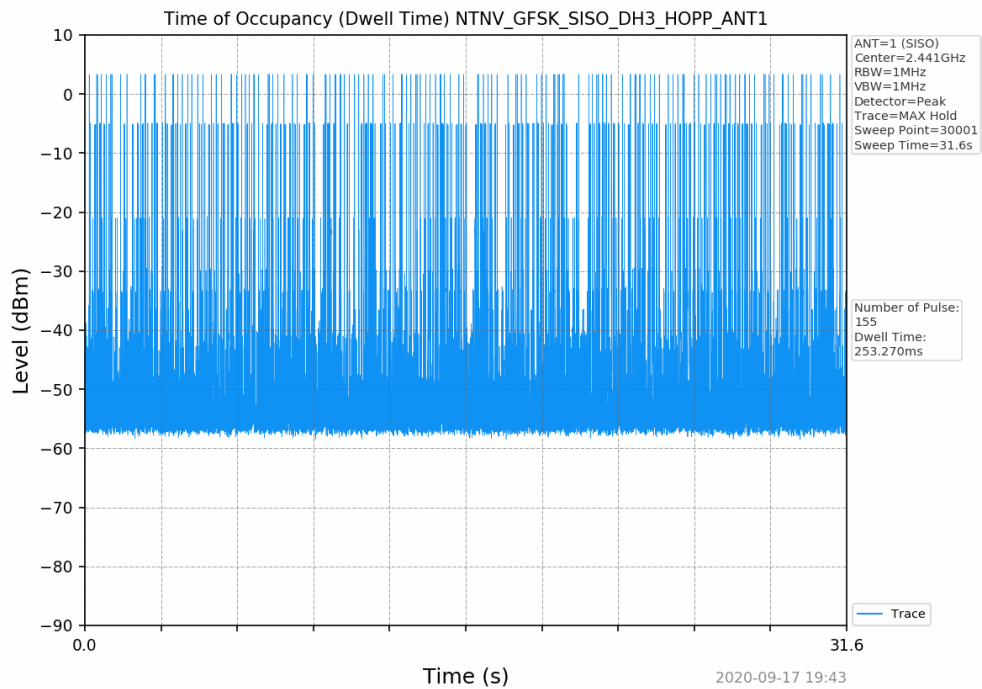
Dwell time=Duration of Single Pulse (ms) × (Num of Pulse in Observation Period)

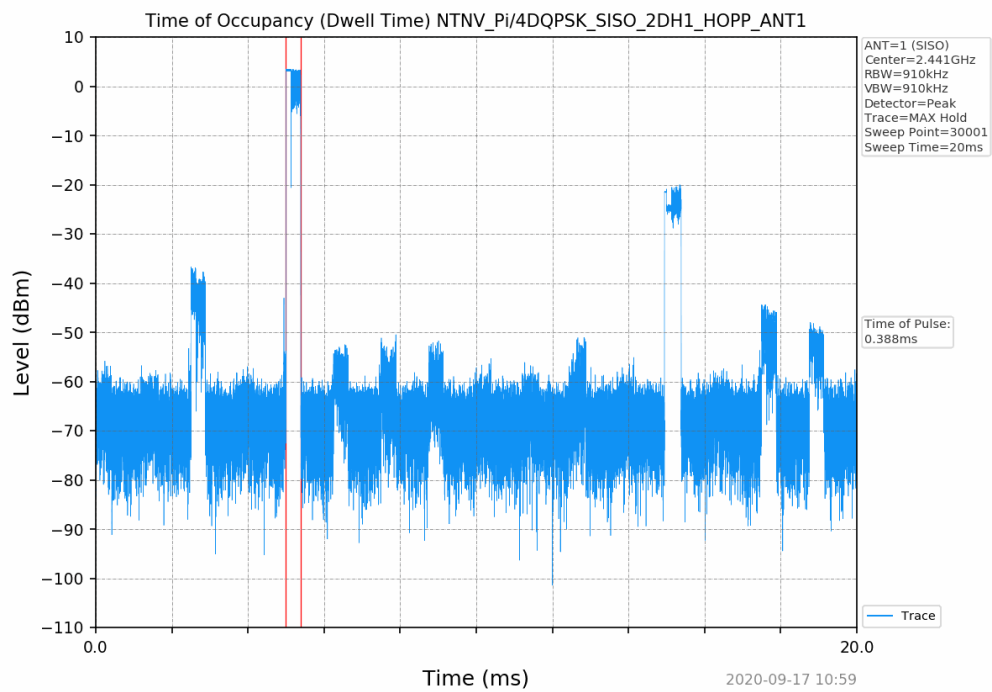
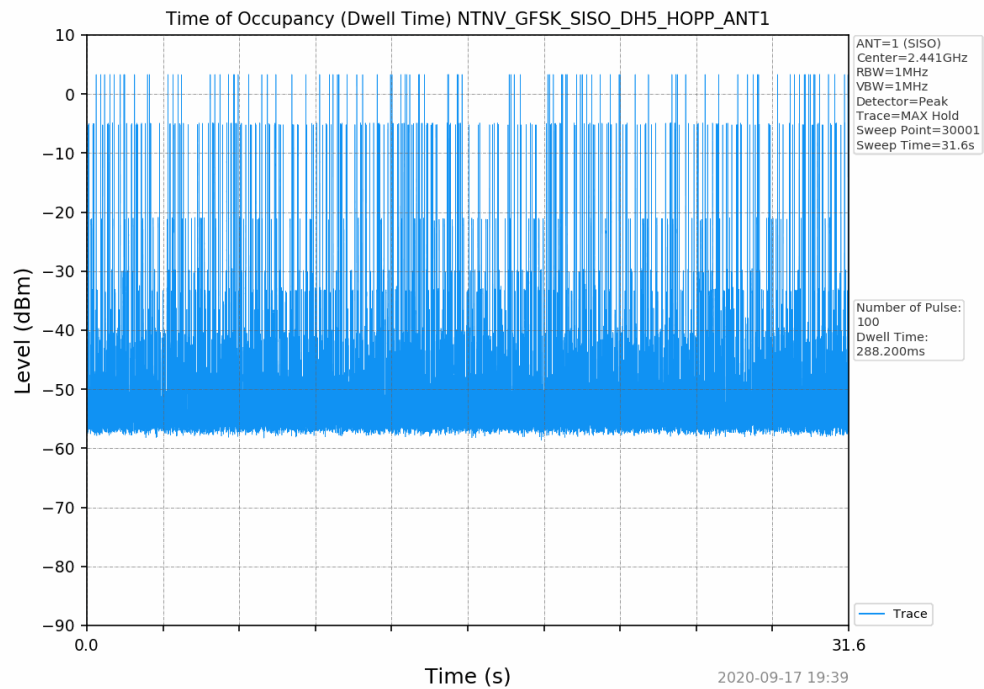
Test Mode	Packet Type	TX Type	ANT No.	Duration of Single Pulse (ms)	Obeservation Period (s)	Num of Pulse in Observation Period	Dwell Time (ms)	Limits (ms)	Verdict
GFSK	DH1	SISO	1	0.379	31.6	320	121.280	≤400	PASS
	DH3	SISO	1	1.634	31.6	155	253.270	≤400	PASS
	DH5	SISO	1	2.882	31.6	100	288.200	≤400	PASS
Pi/4D QPS K	2DH1	SISO	1	0.388	31.6	319	123.772	≤400	PASS
	2DH3	SISO	1	1.640	31.6	156	255.840	≤400	PASS
	2DH5	SISO	1	2.887	31.6	103	297.361	≤400	PASS
8DPS K	3DH1	SISO	1	0.388	31.6	320	124.160	≤400	PASS
	3DH3	SISO	1	1.639	31.6	153	250.767	≤400	PASS
	3DH5	SISO	1	2.887	31.6	104	300.248	≤400	PASS

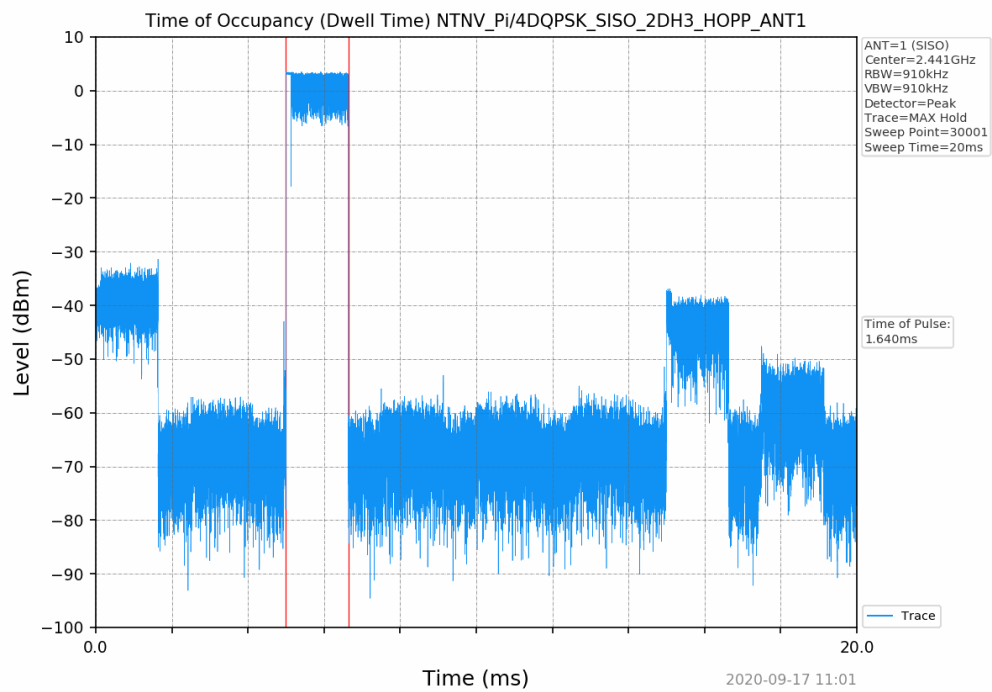
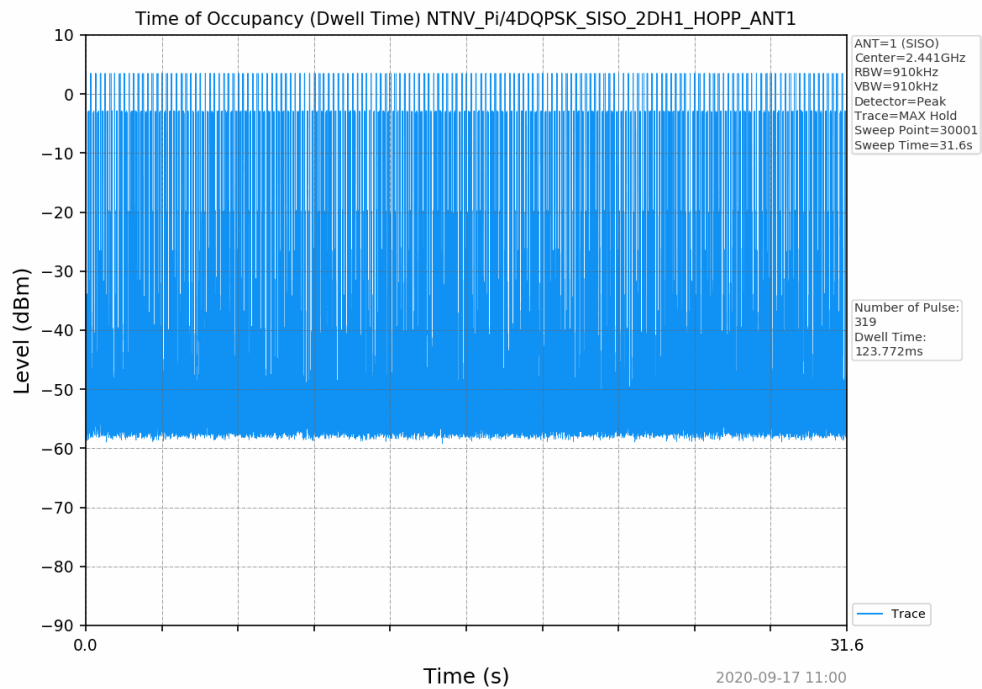
5.2 Test Graph

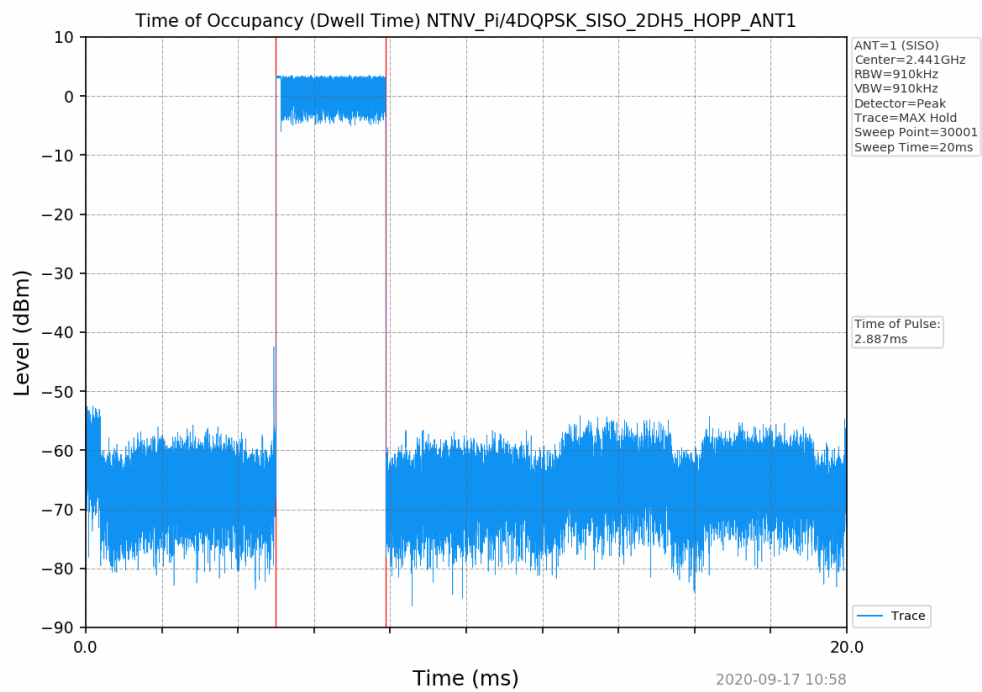
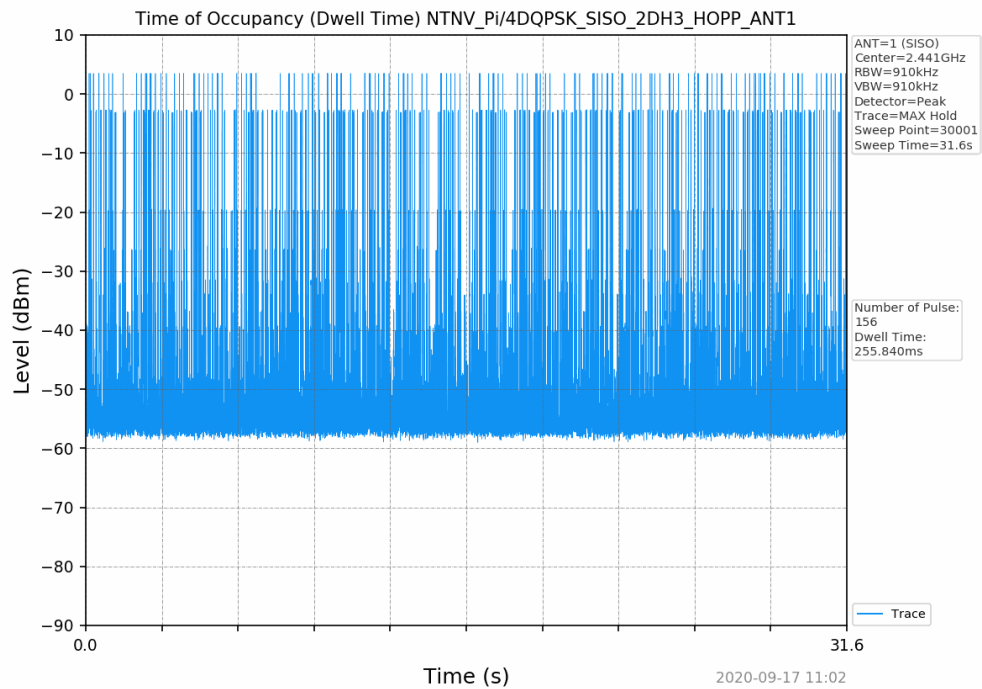


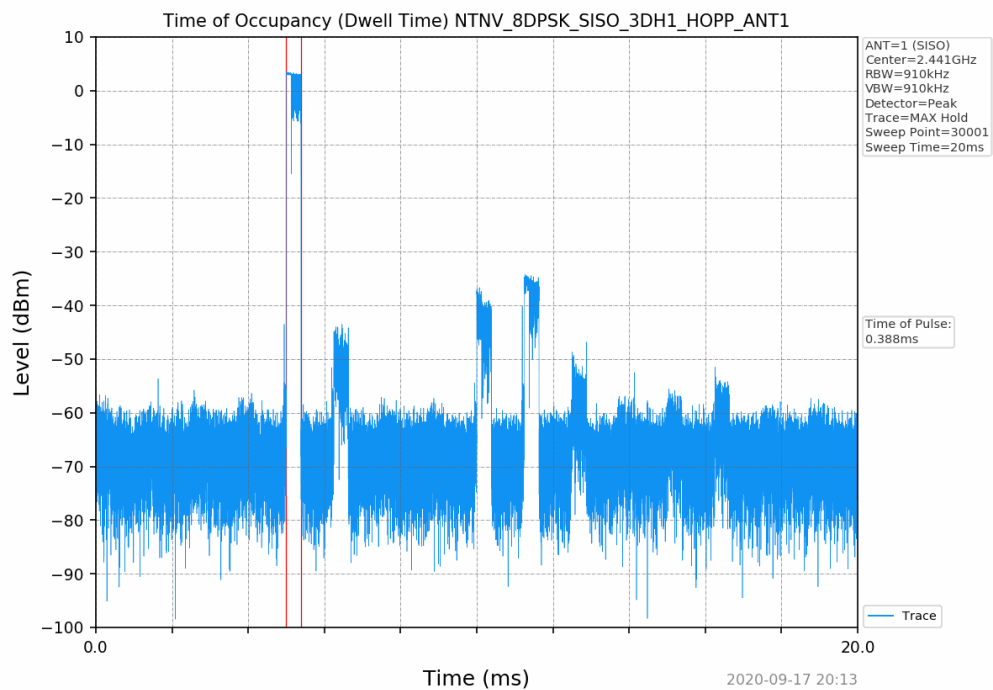
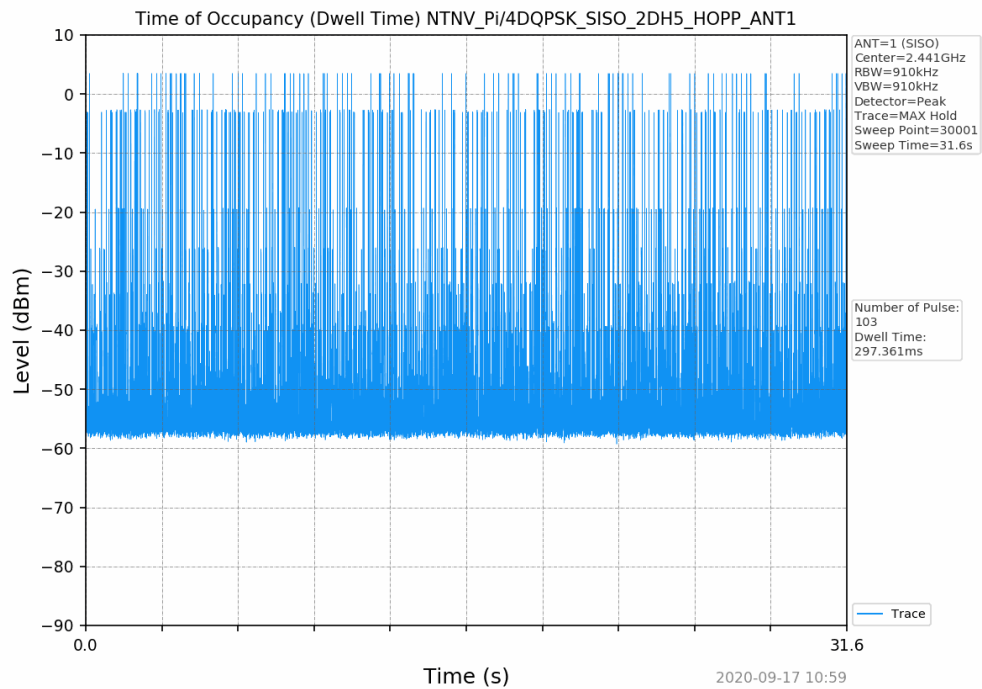


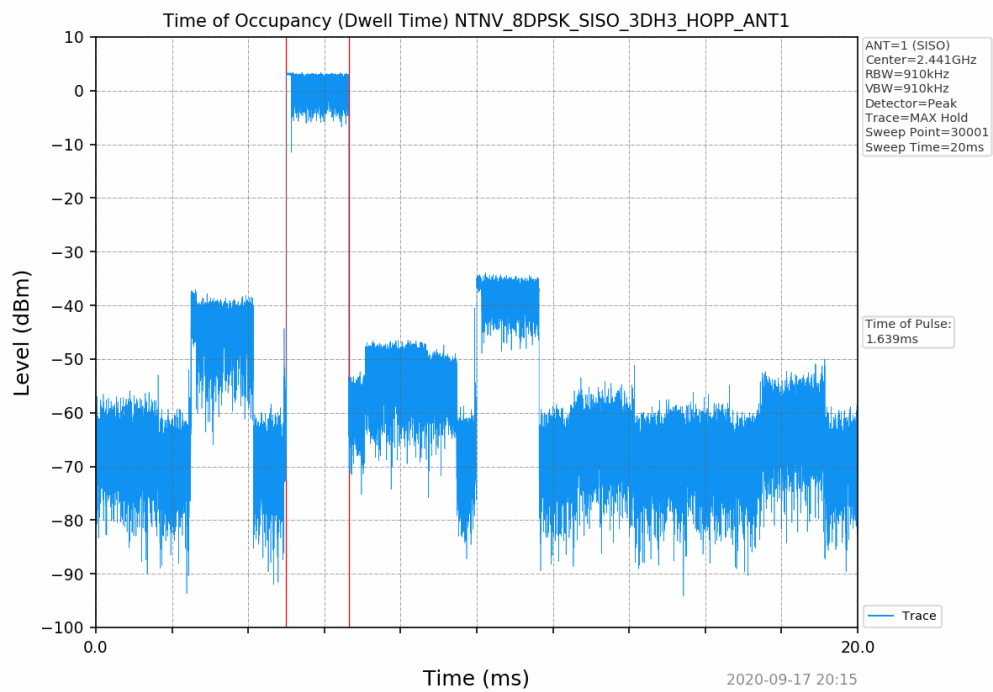
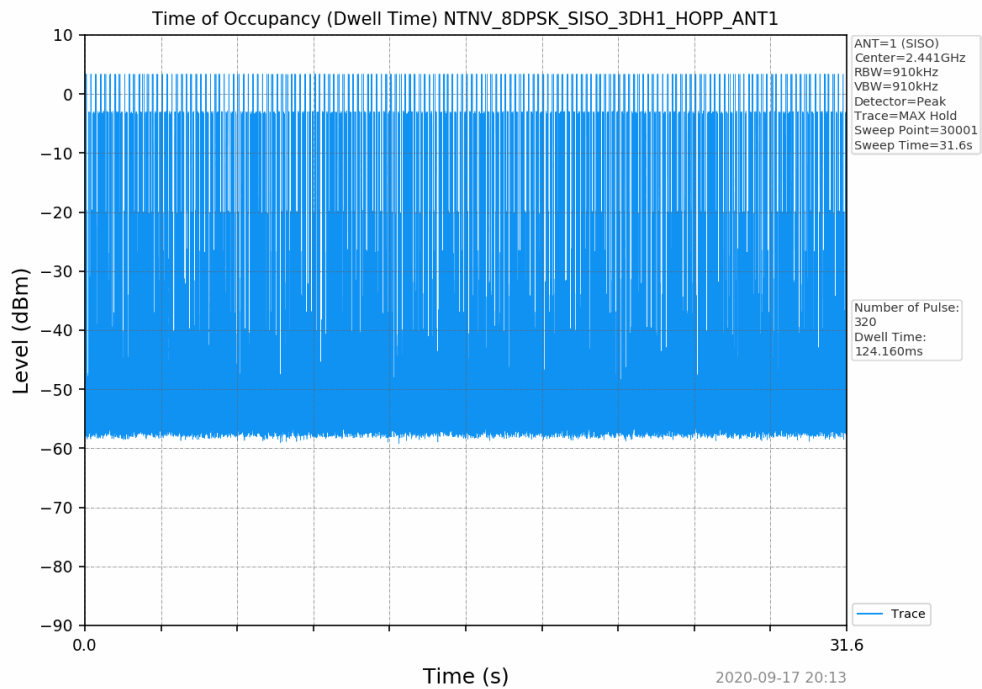


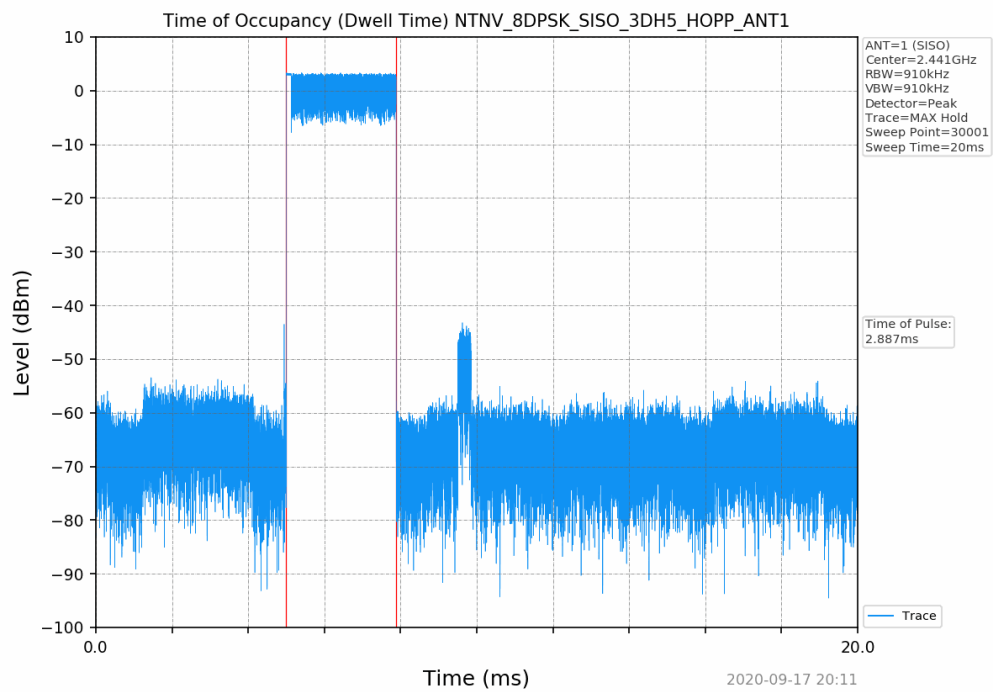
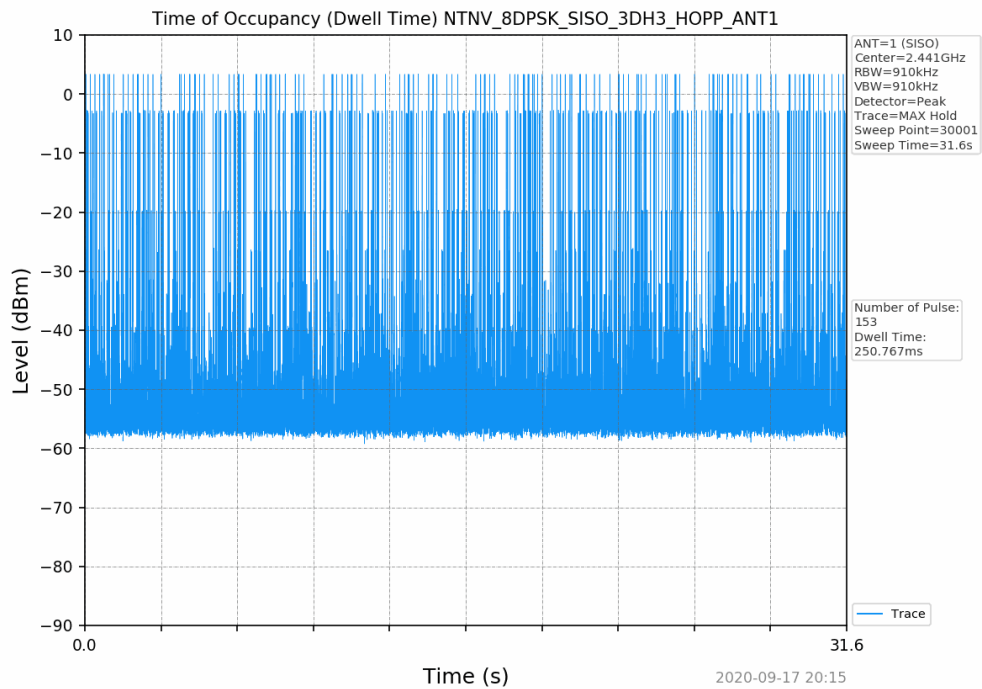


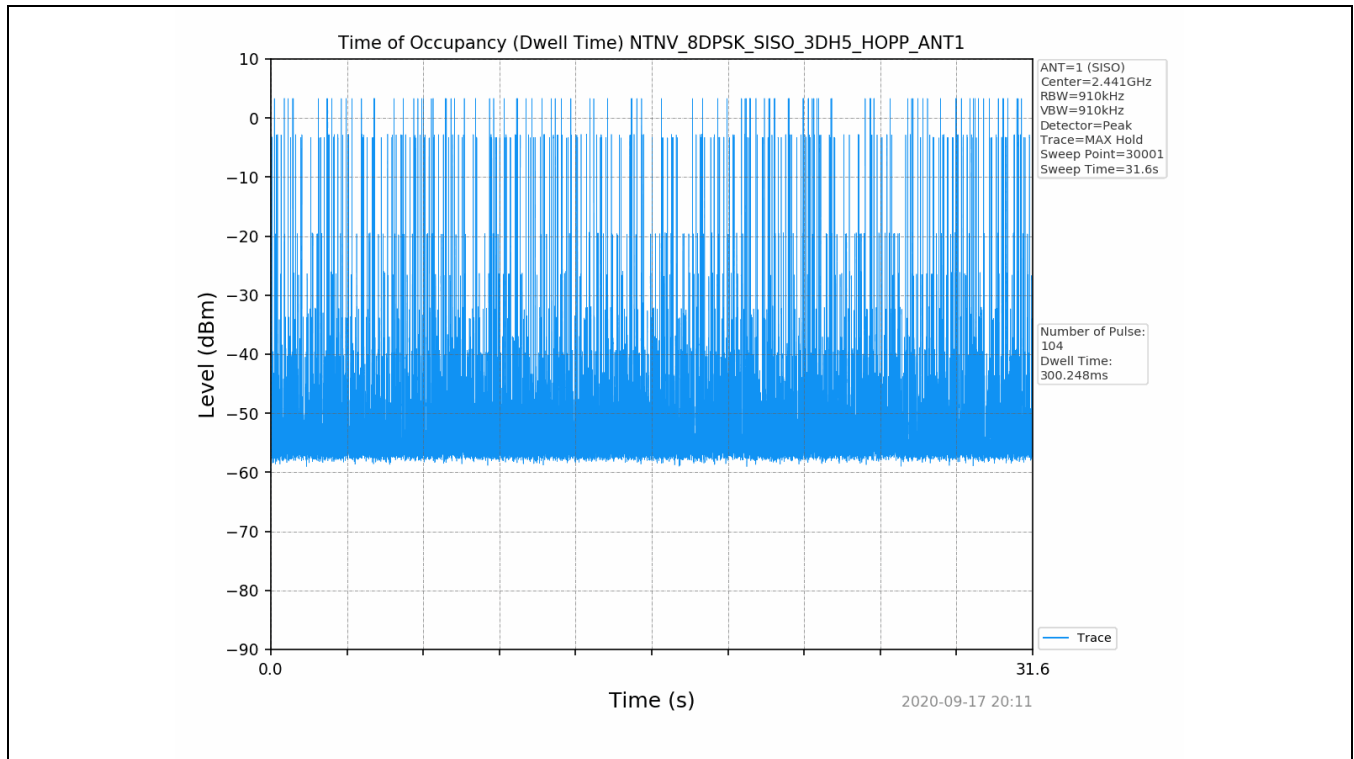










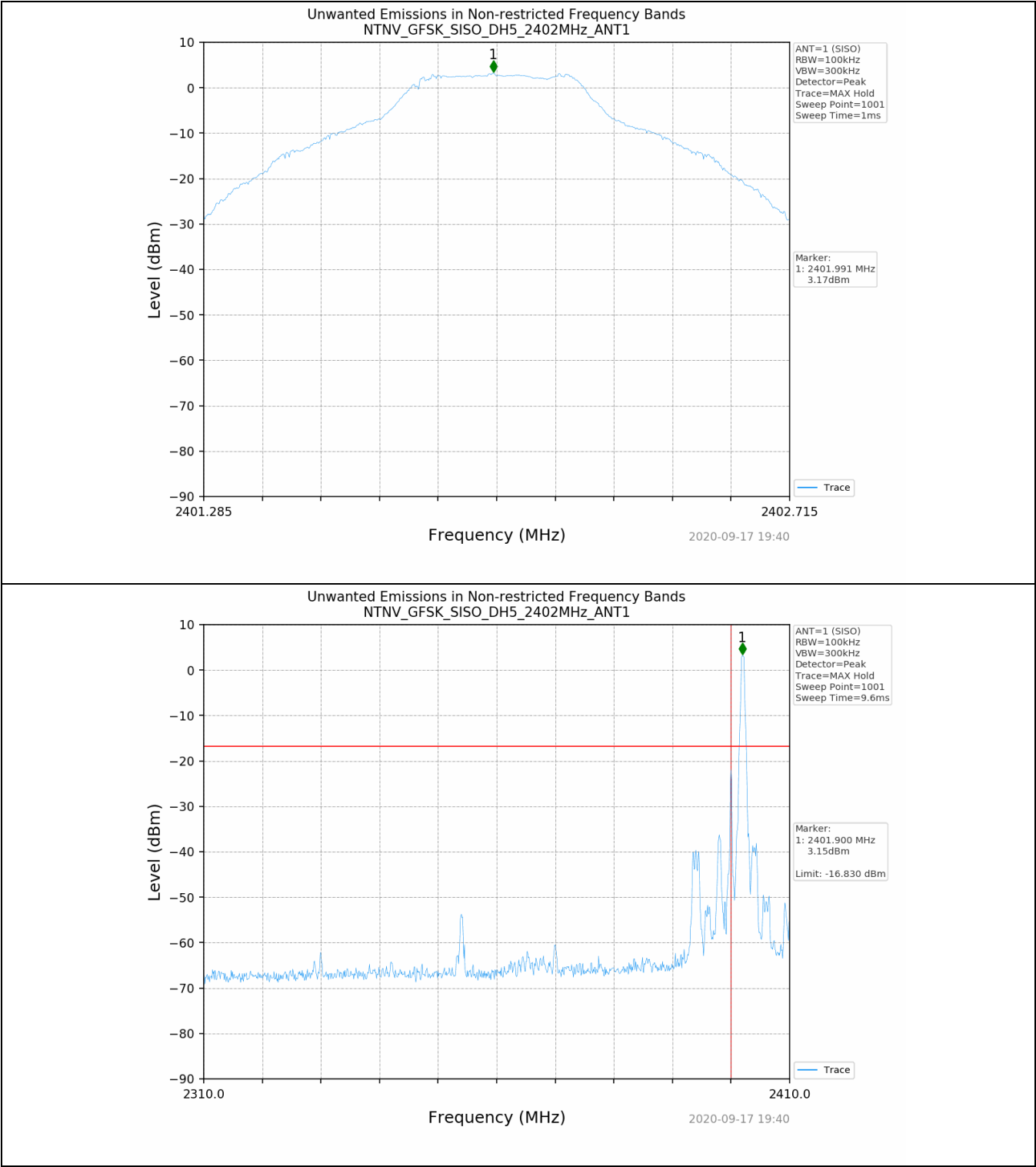


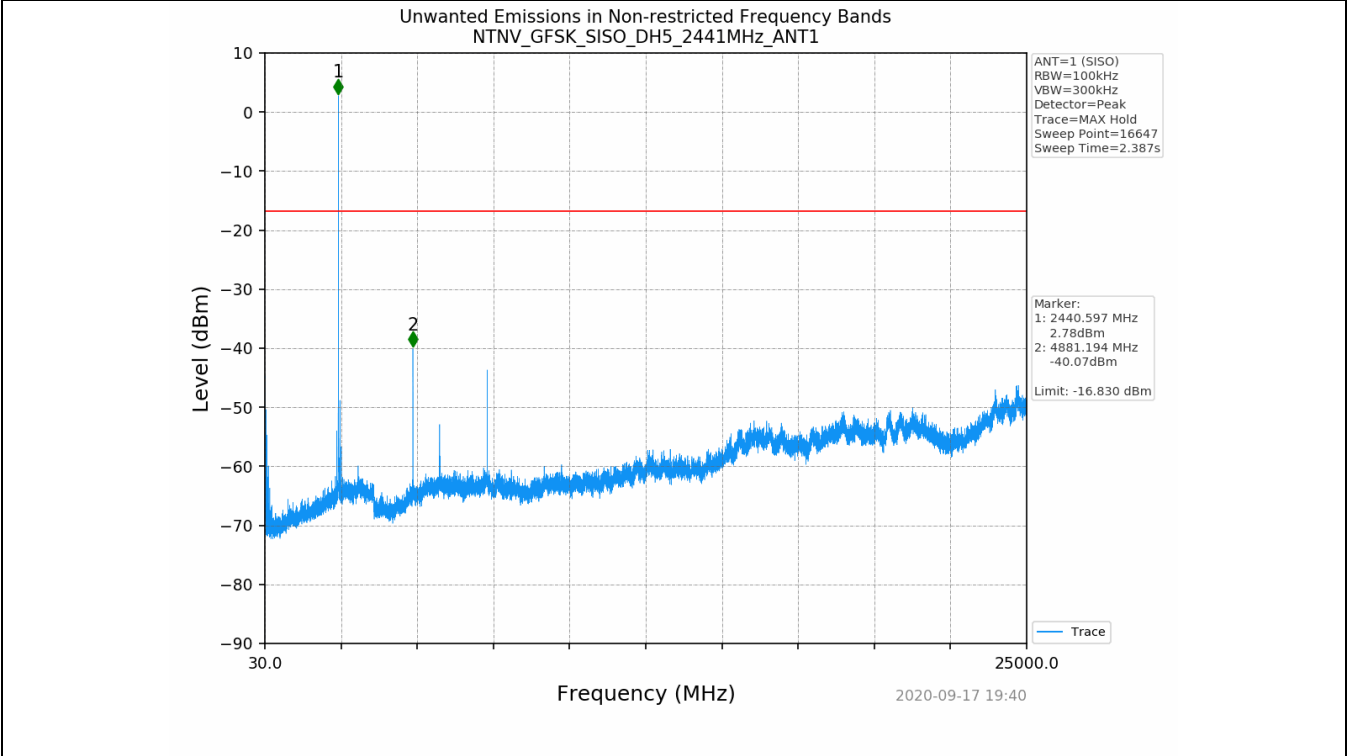
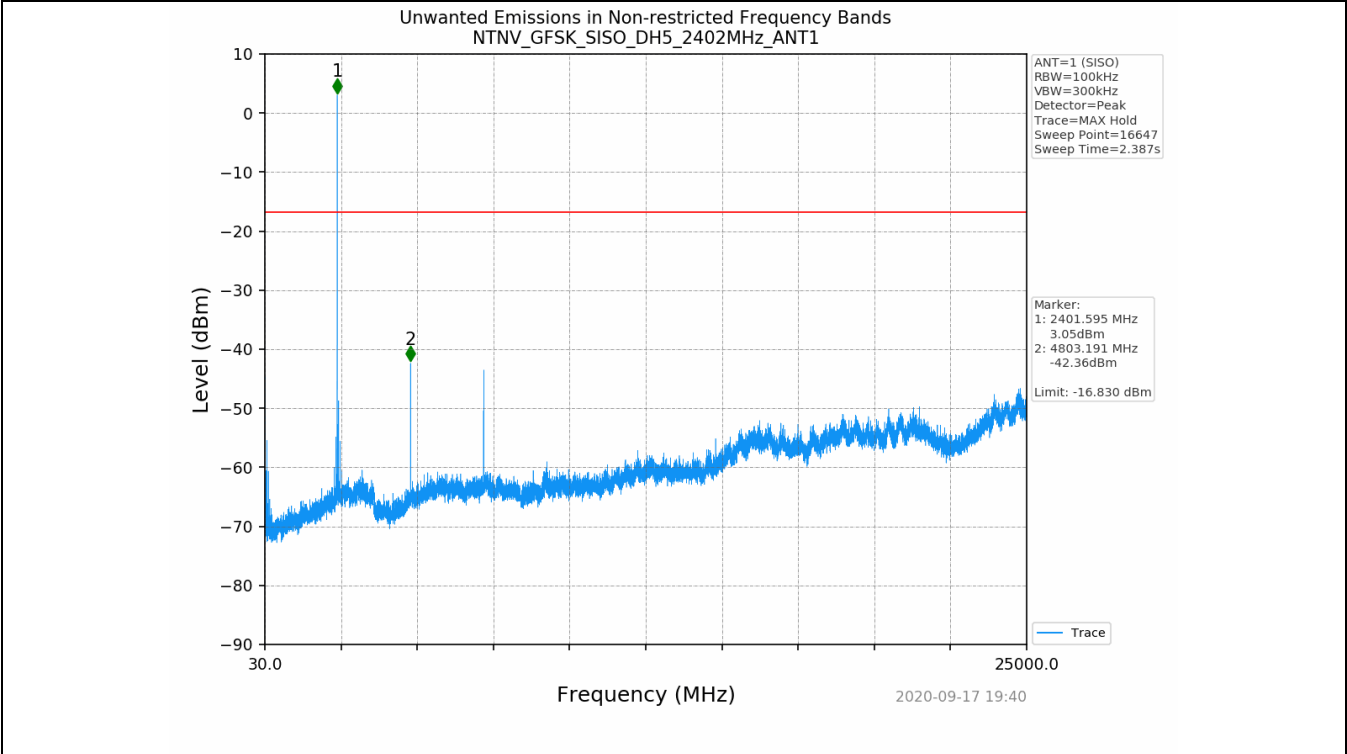
6. Unwanted Emissions in Non-restricted Frequency Bands

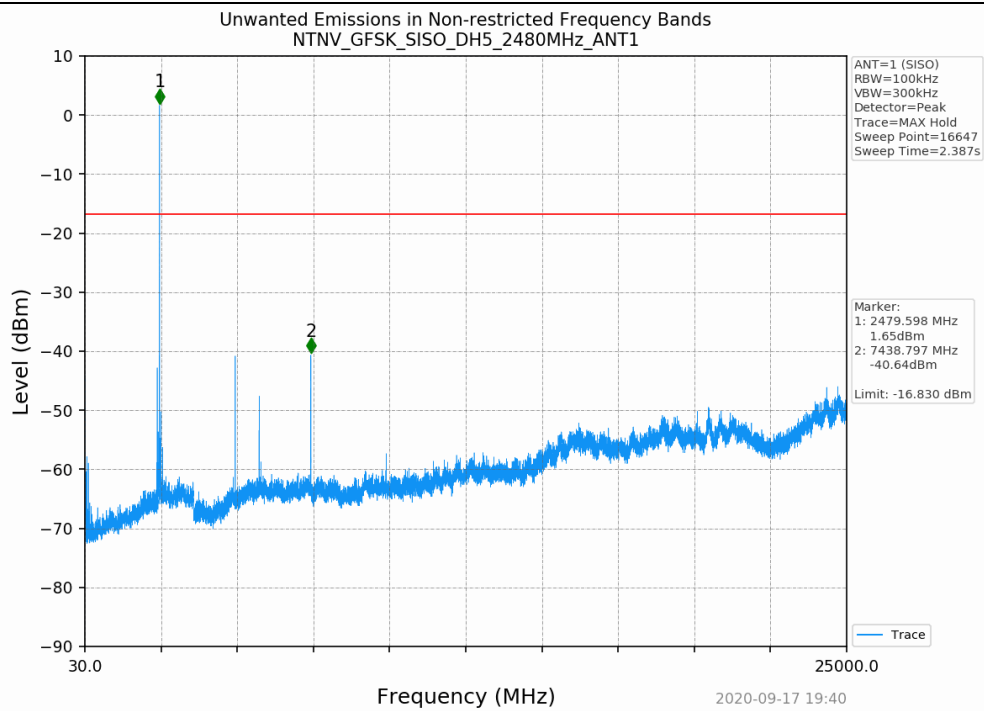
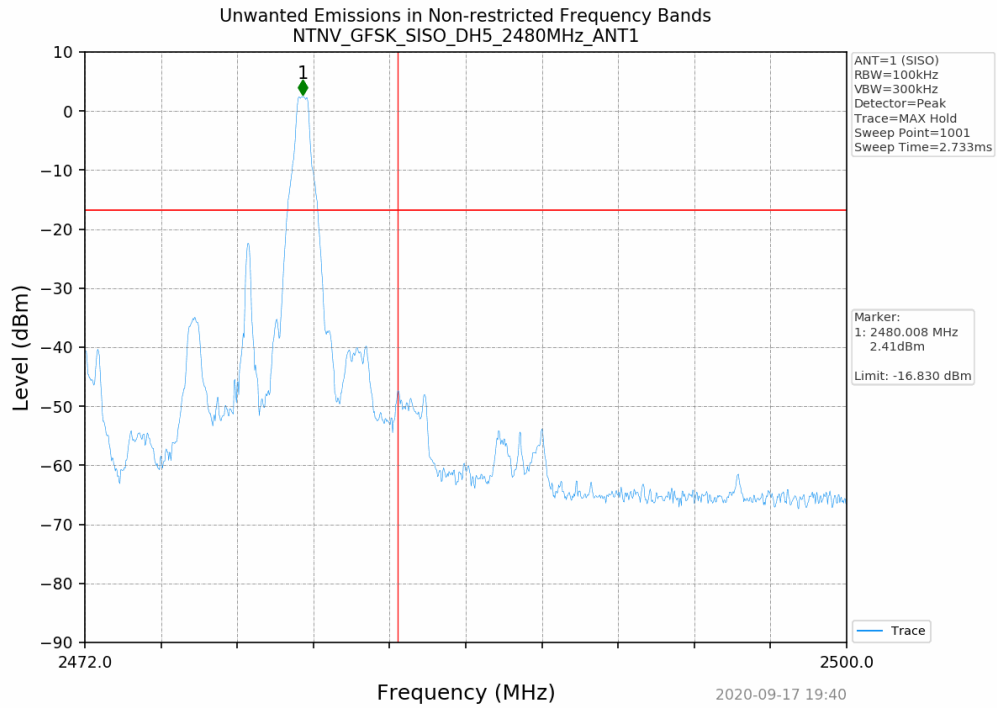
6.1 Test Result

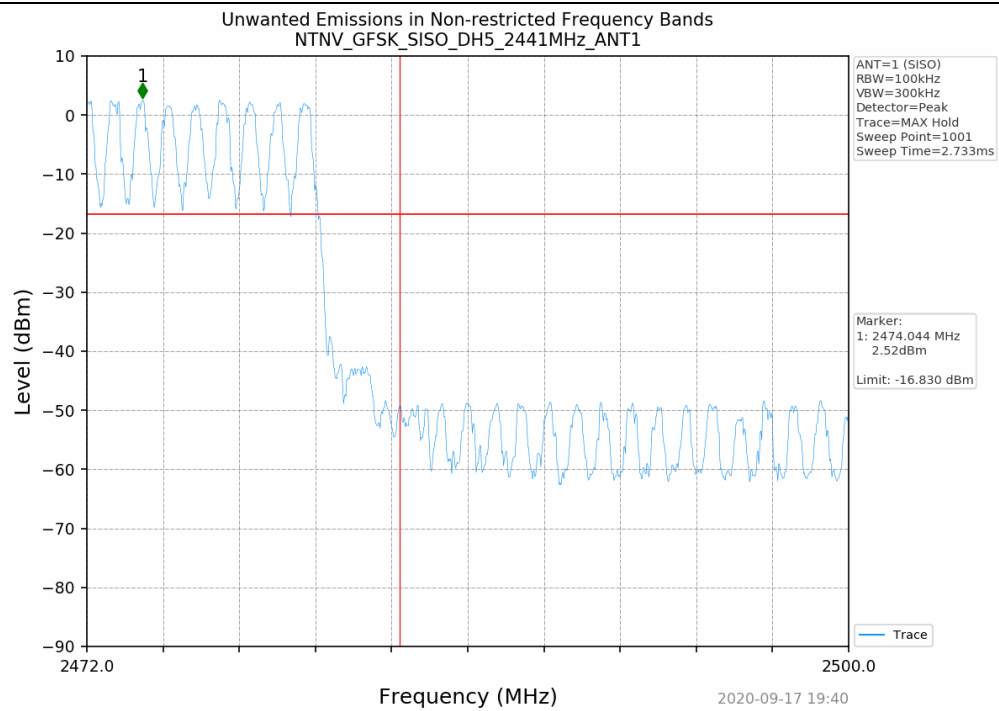
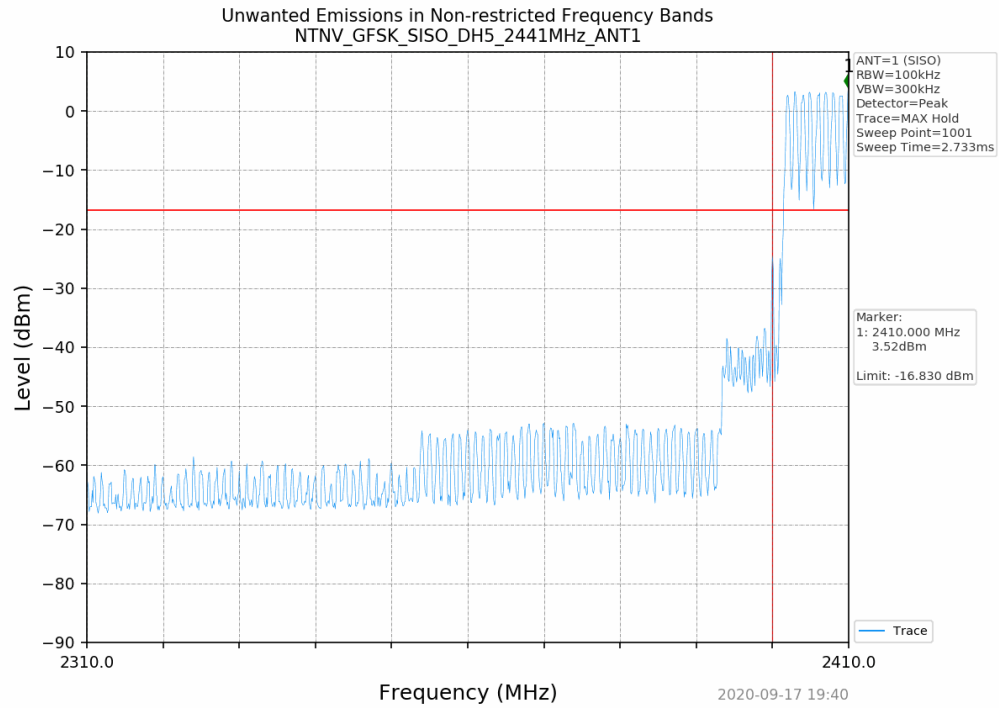
Test Mode	Frequency (MHz)	TX Type	ANT No.	Spurious Conducted Emission (dBm)	Limits (dBm)	Verdict
GFSK	2402	SISO	1	Refer to test graph	-16.83	PASS
	2441	SISO	1	Refer to test graph	-16.83	PASS
	2480	SISO	1	Refer to test graph	-16.83	PASS
	Hopping	SISO	1	Refer to test graph	-16.83	PASS
Pi/4DQPSK	2402	SISO	1	Refer to test graph	-16.69	PASS
	2441	SISO	1	Refer to test graph	-16.69	PASS
	2480	SISO	1	Refer to test graph	-16.69	PASS
	Hopping	SISO	1	Refer to test graph	-16.69	PASS
8DPSK	2402	SISO	1	Refer to test graph	-16.69	PASS
	2441	SISO	1	Refer to test graph	-16.69	PASS
	2480	SISO	1	Refer to test graph	-16.69	PASS
	Hopping	SISO	1	Refer to test graph	-16.69	PASS

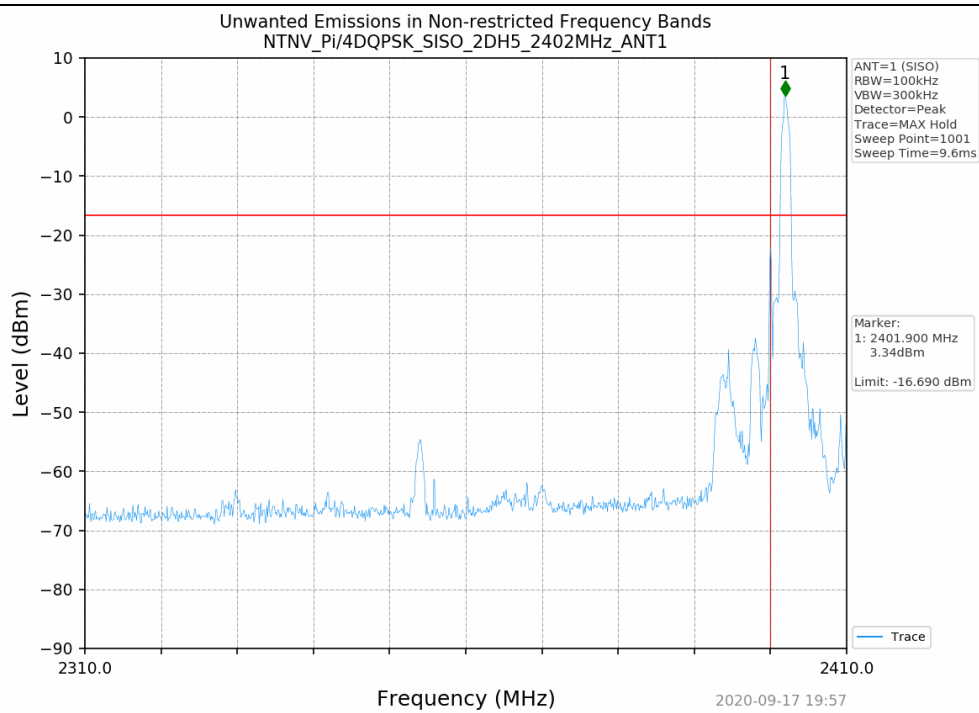
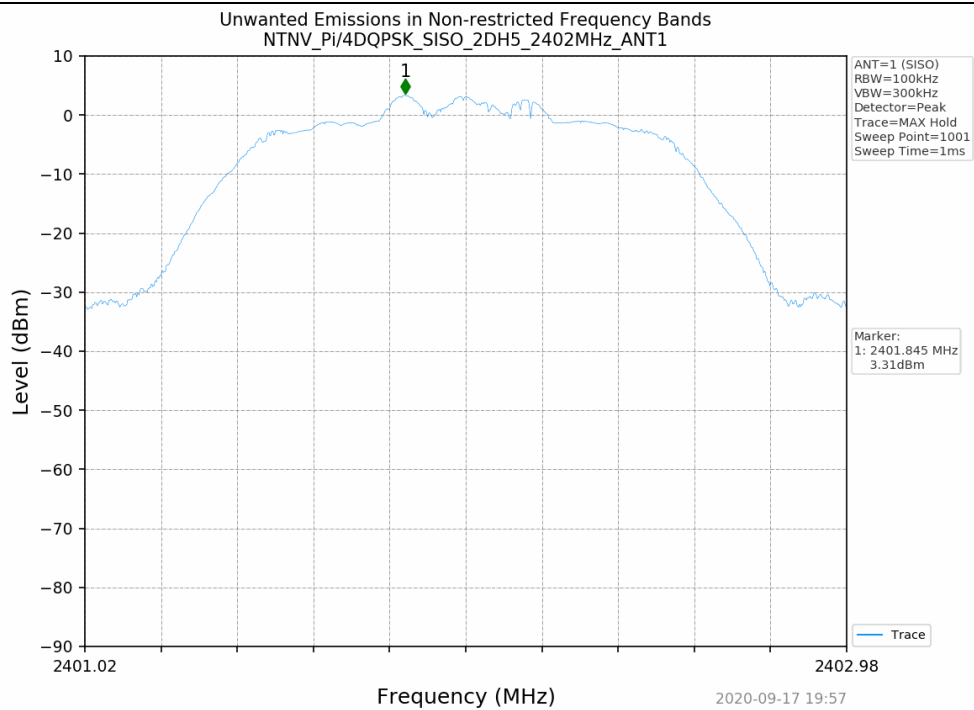
6.2 Test Graph

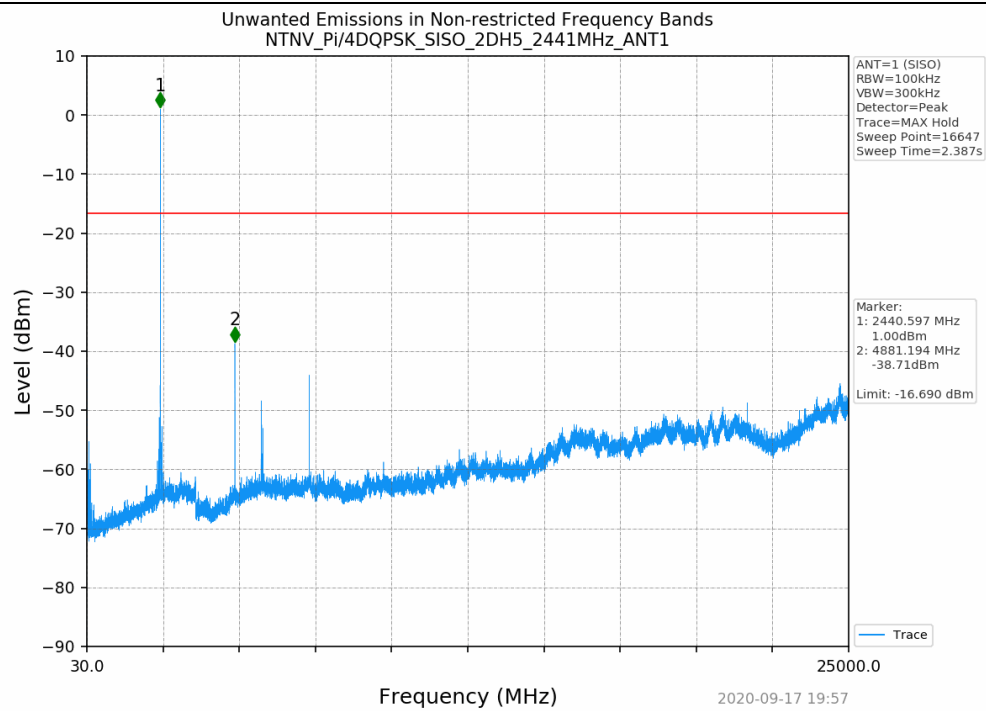
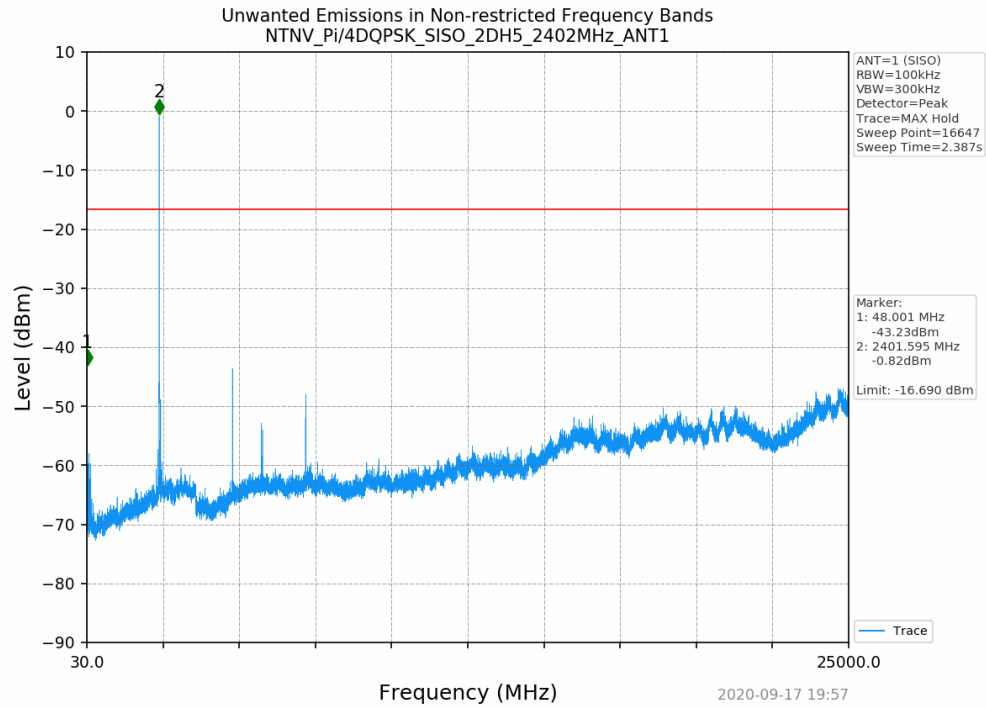


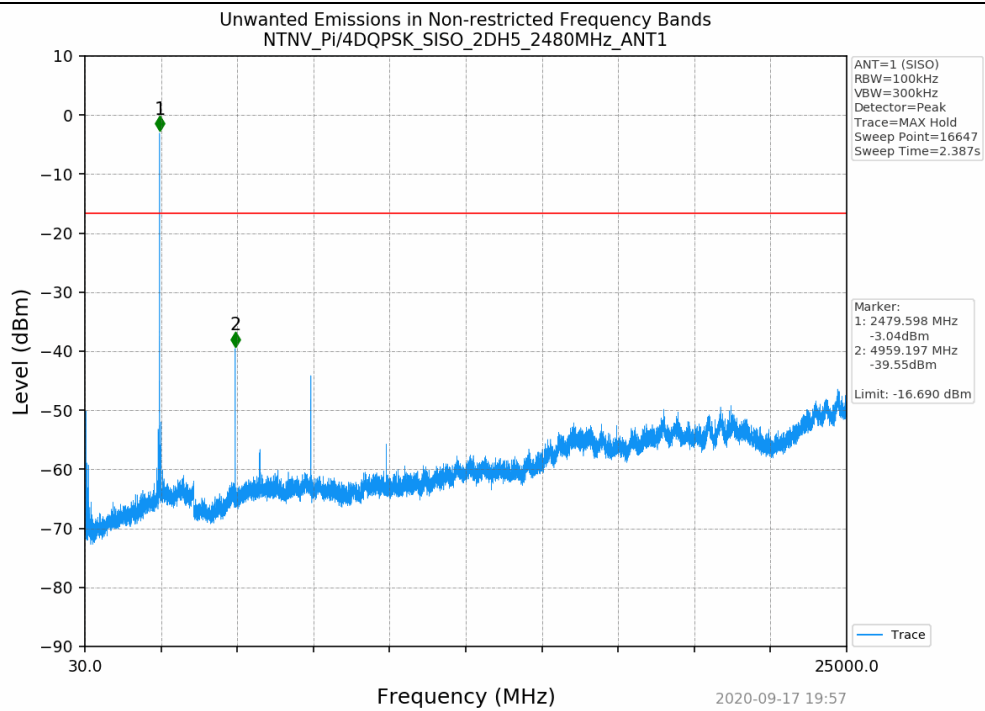
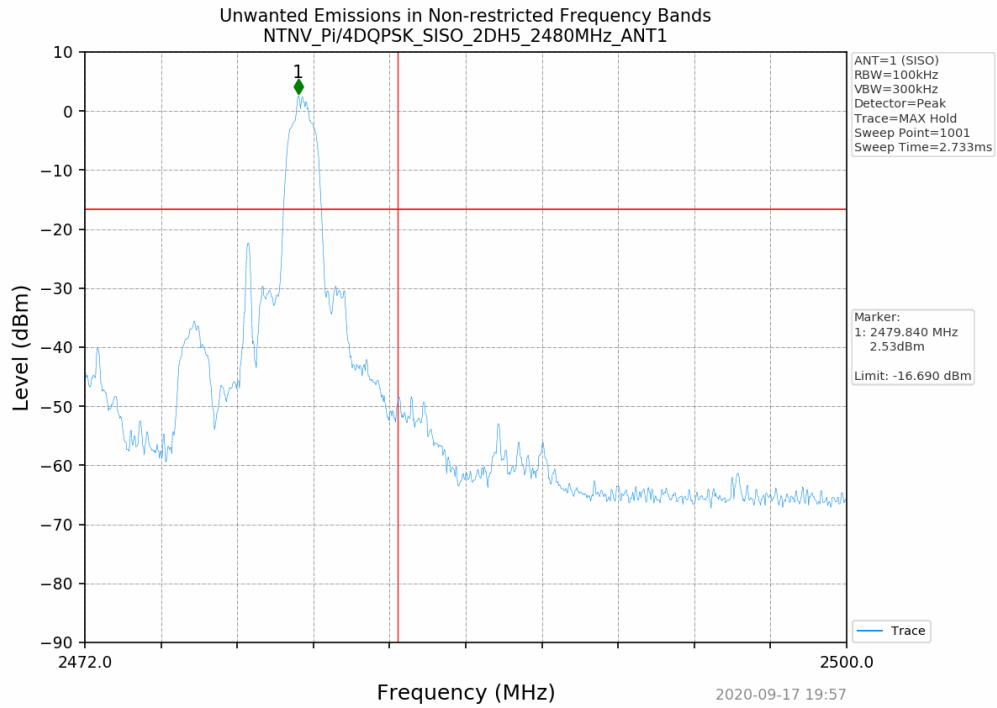


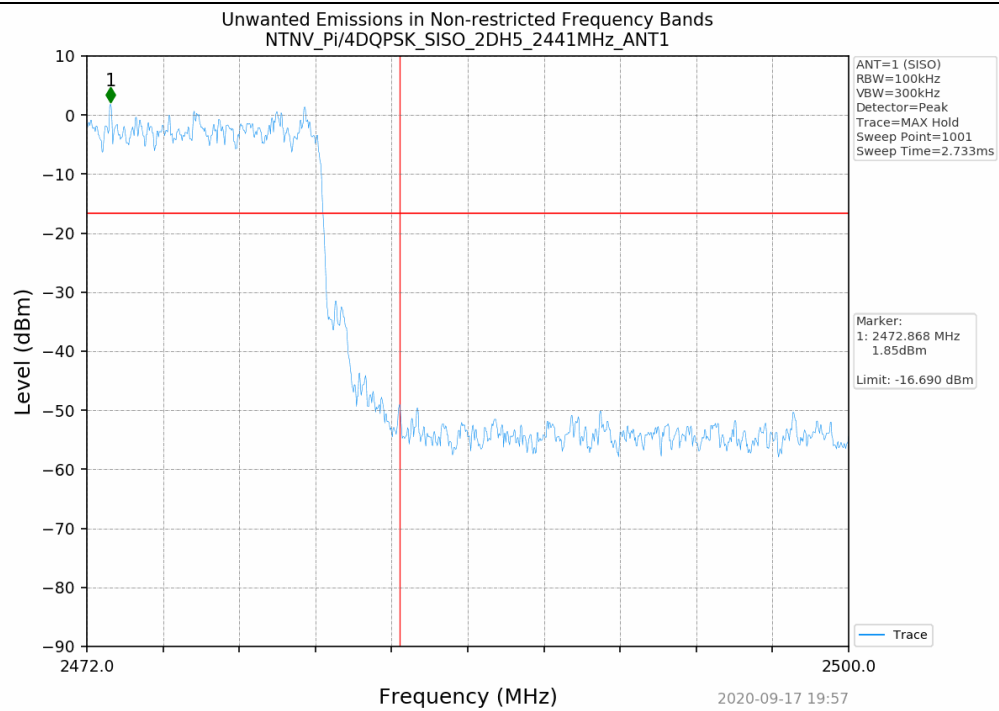
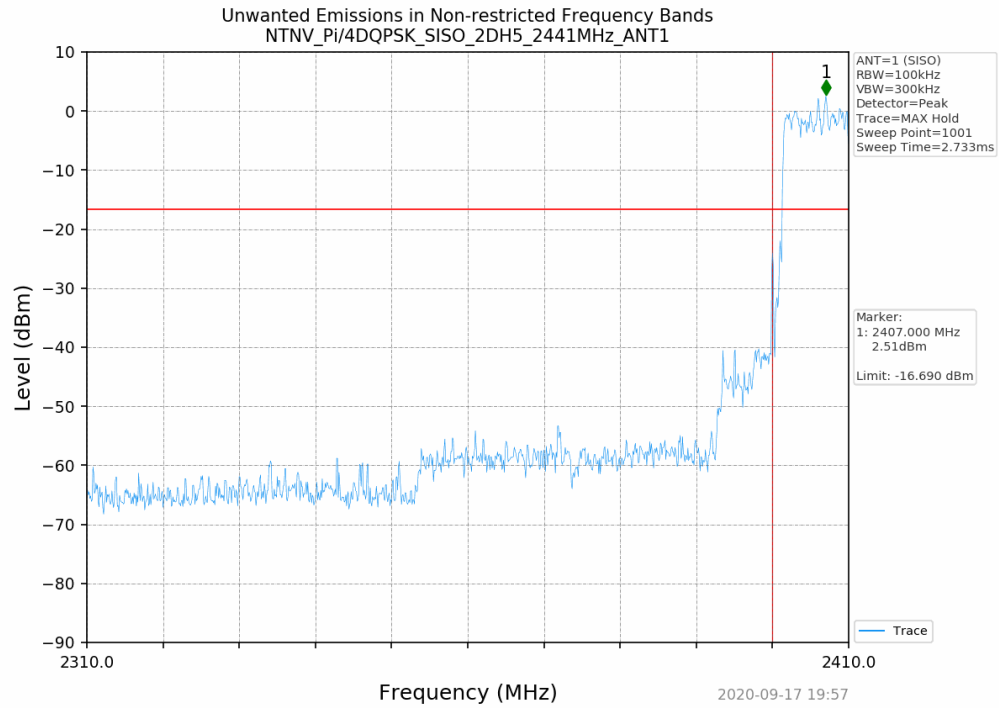


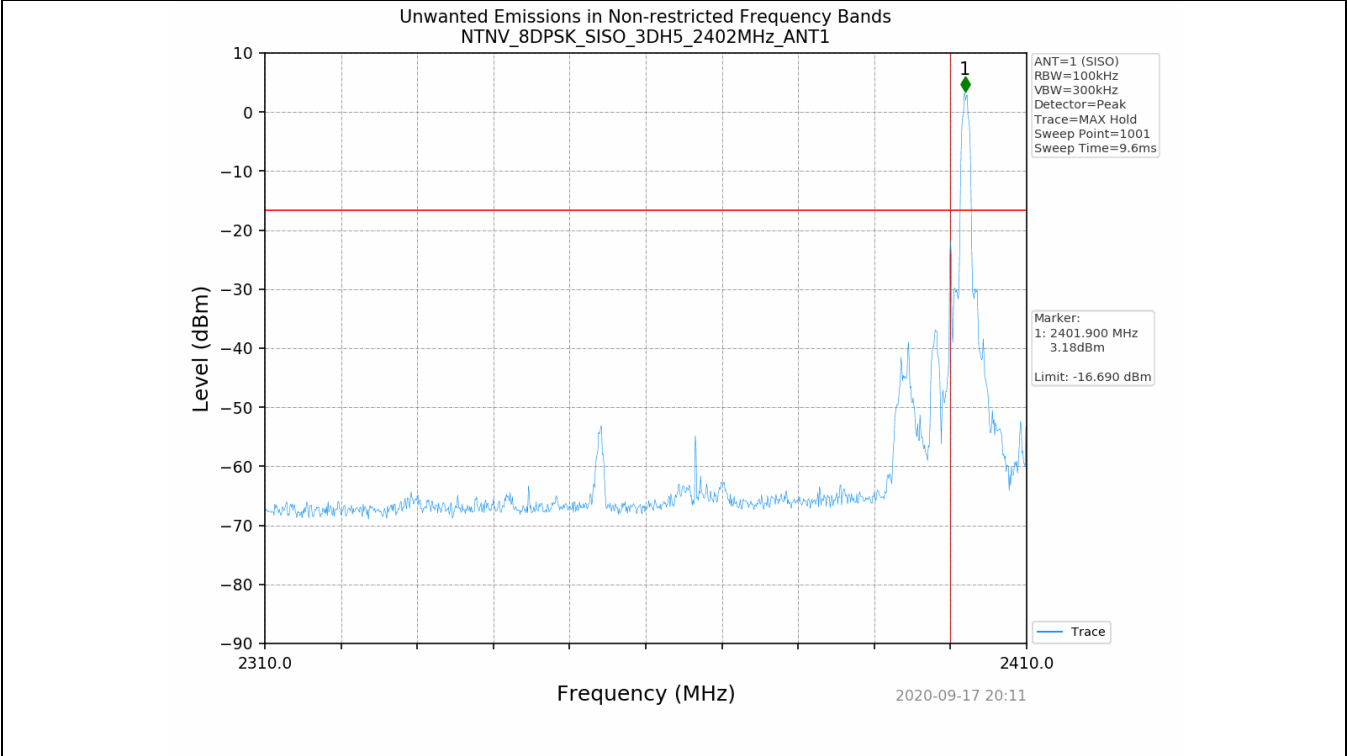
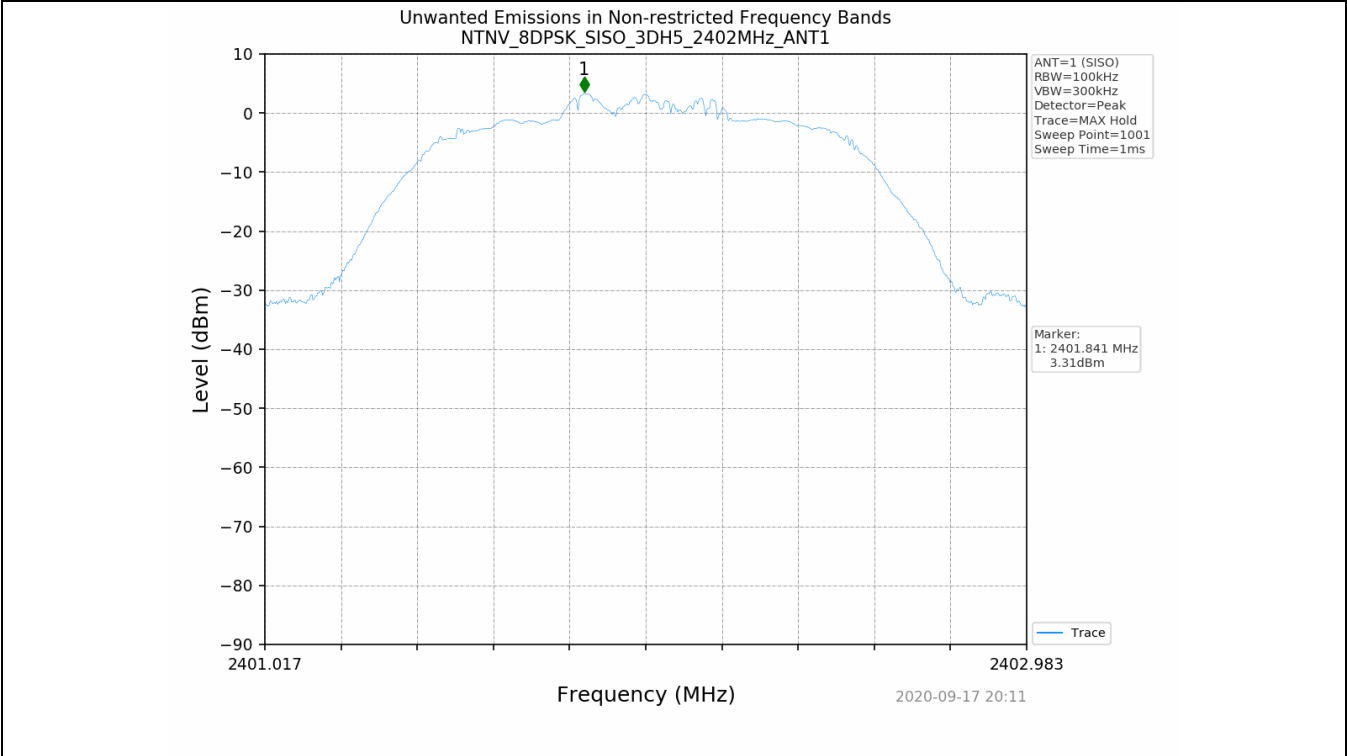




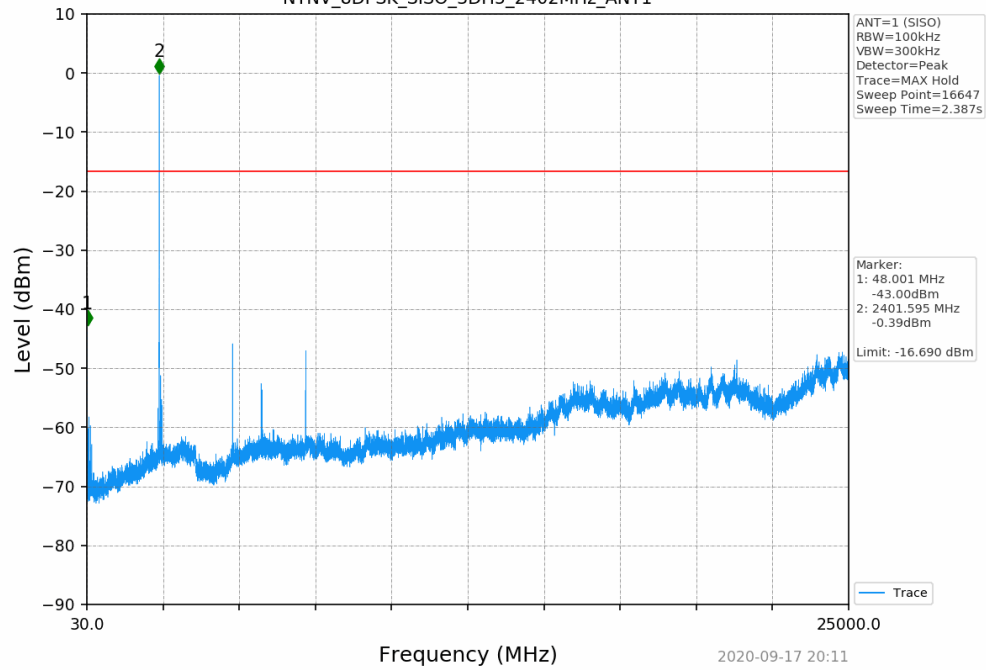




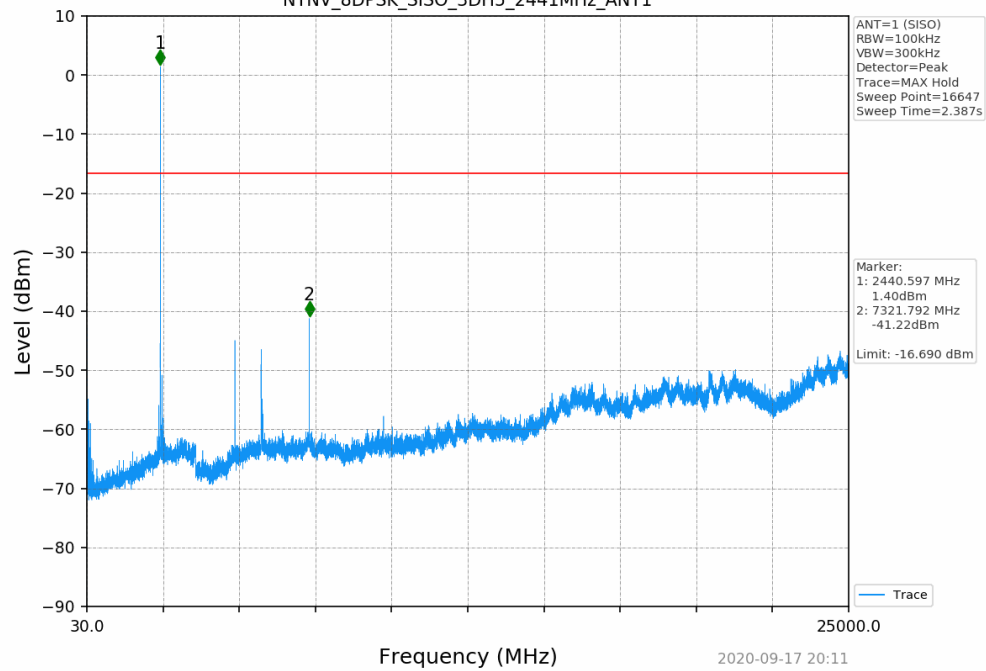


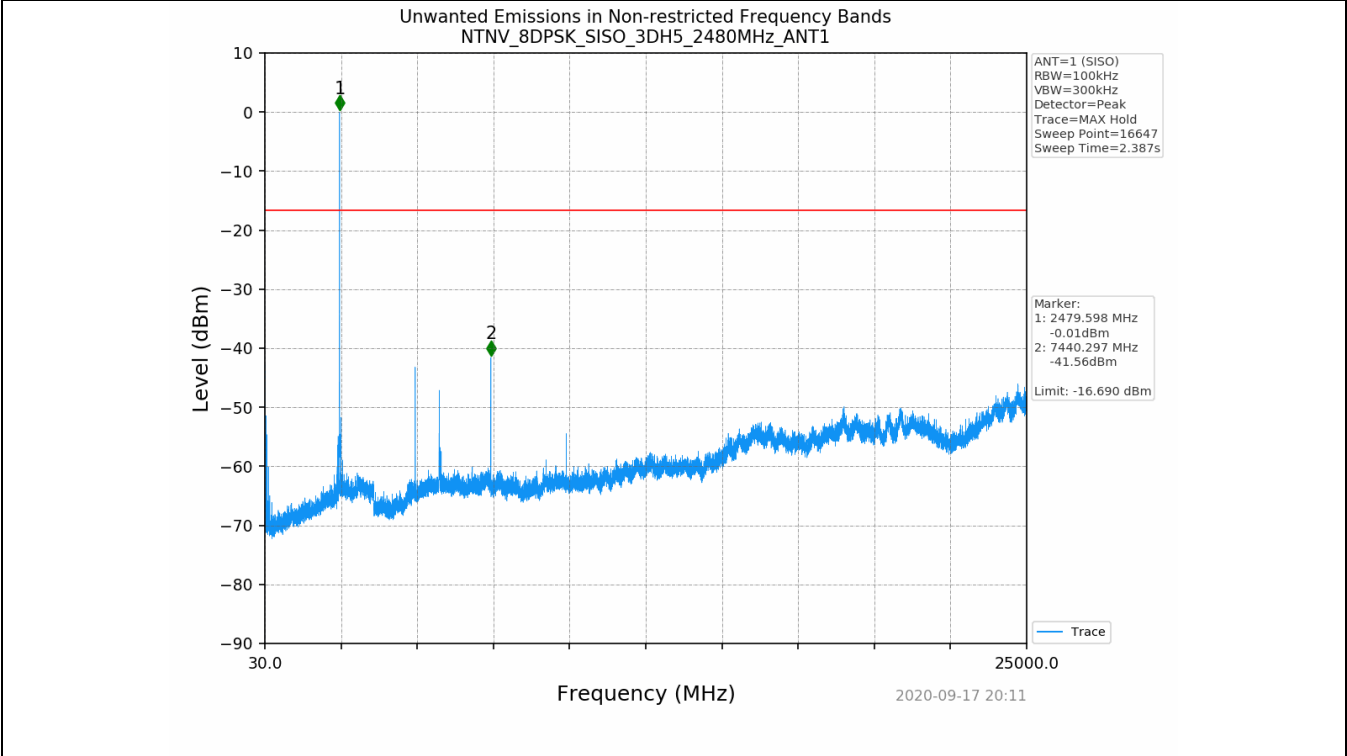
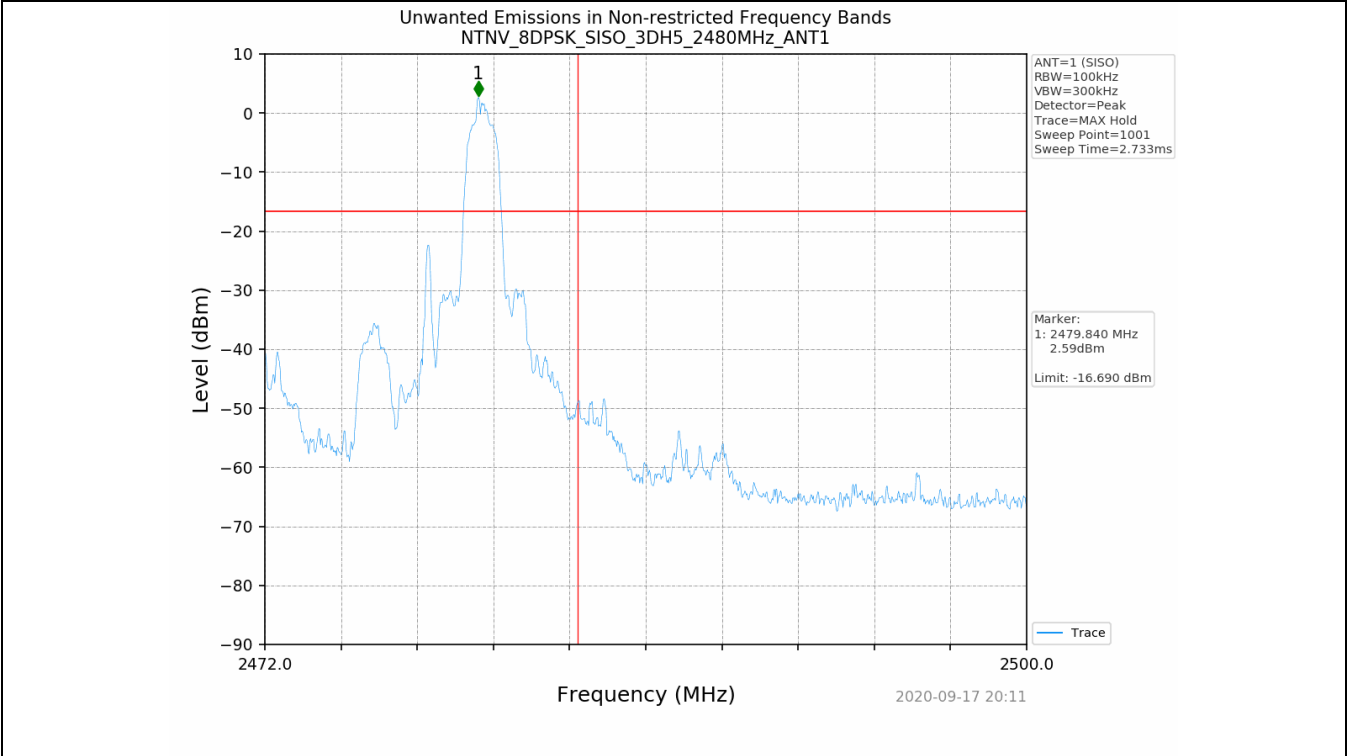


Unwanted Emissions in Non-restricted Frequency Bands
NTNV_8DPSK_SISO_3DH5_2402MHz_ANT1

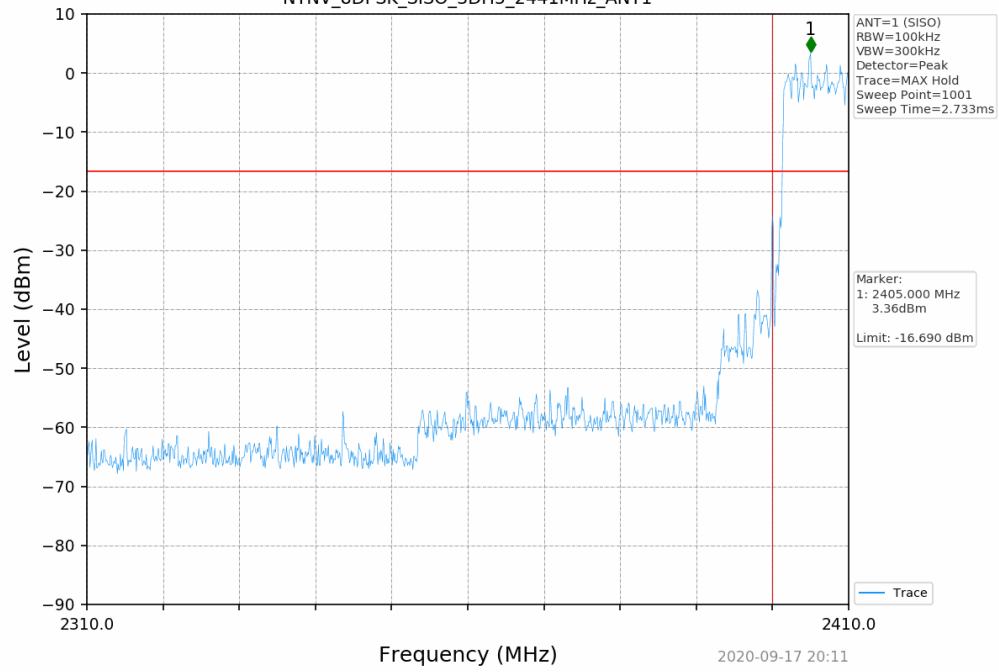


Unwanted Emissions in Non-restricted Frequency Bands
NTNV_8DPSK_SISO_3DH5_2441MHz_ANT1





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

