

Appendix for 15.247

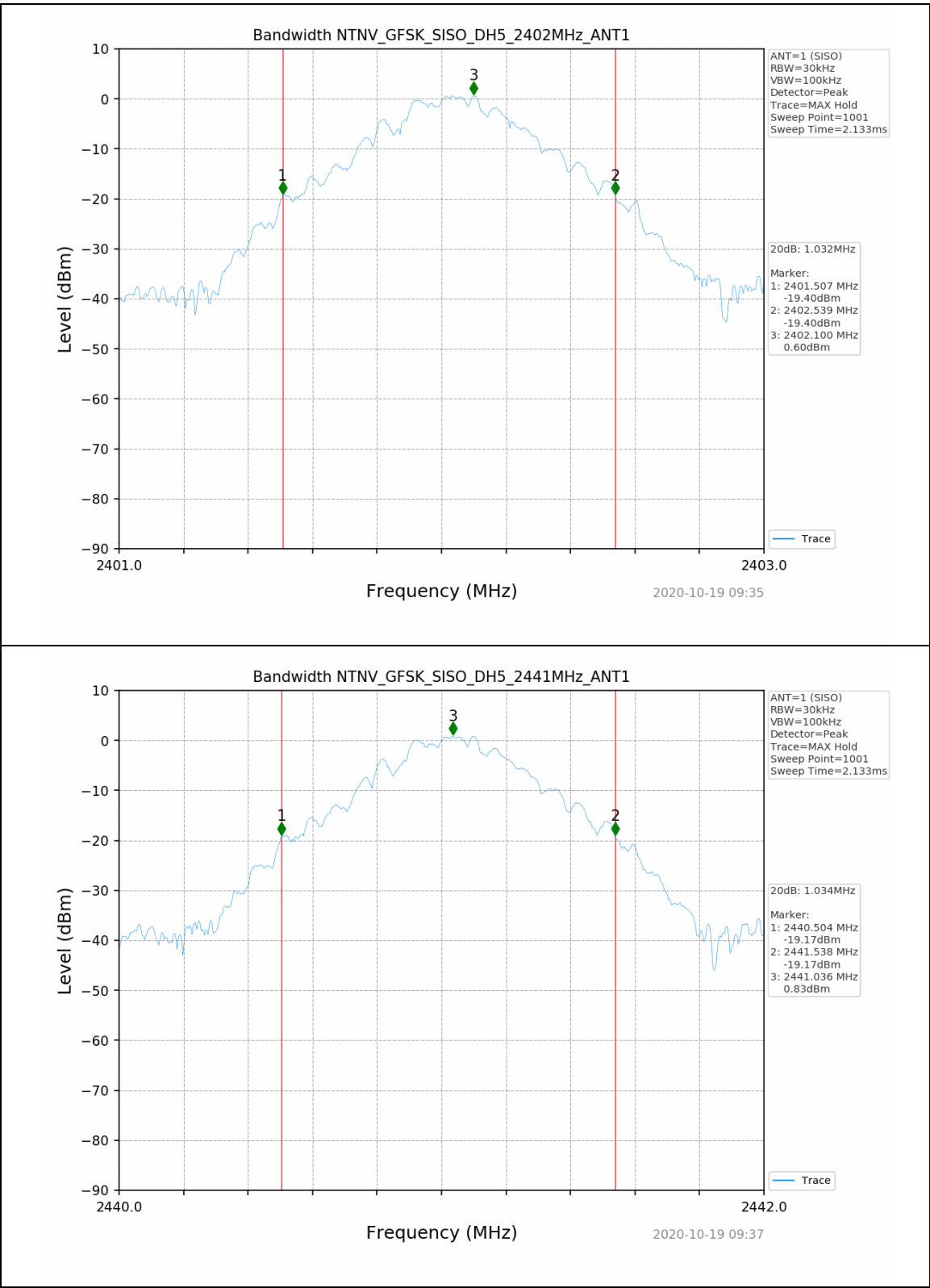
1. Bandwidth

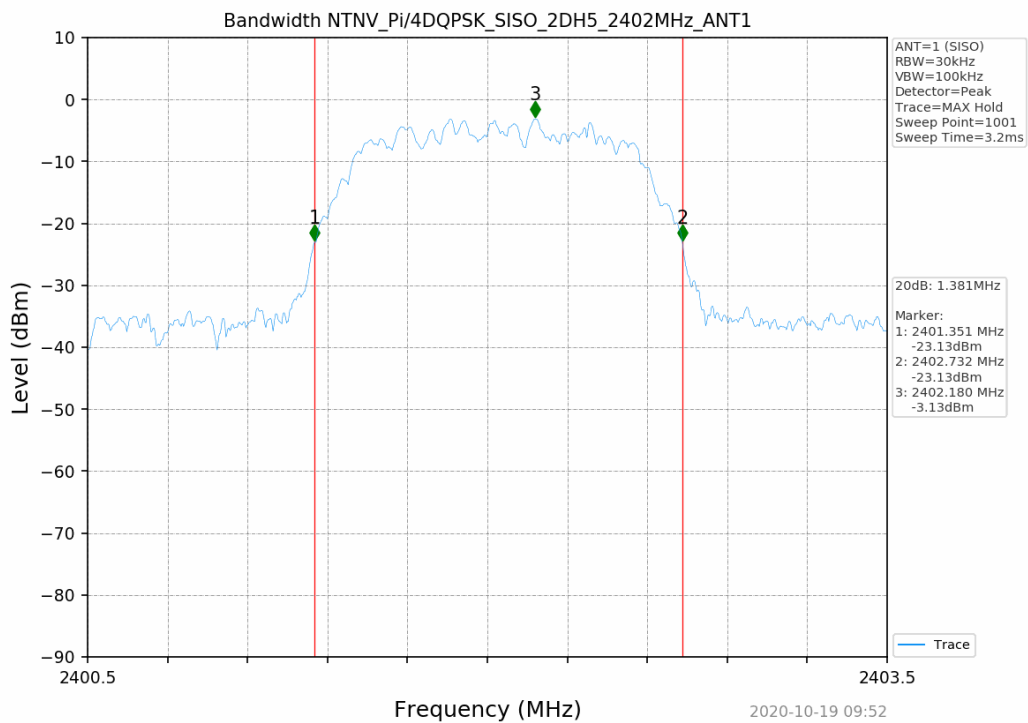
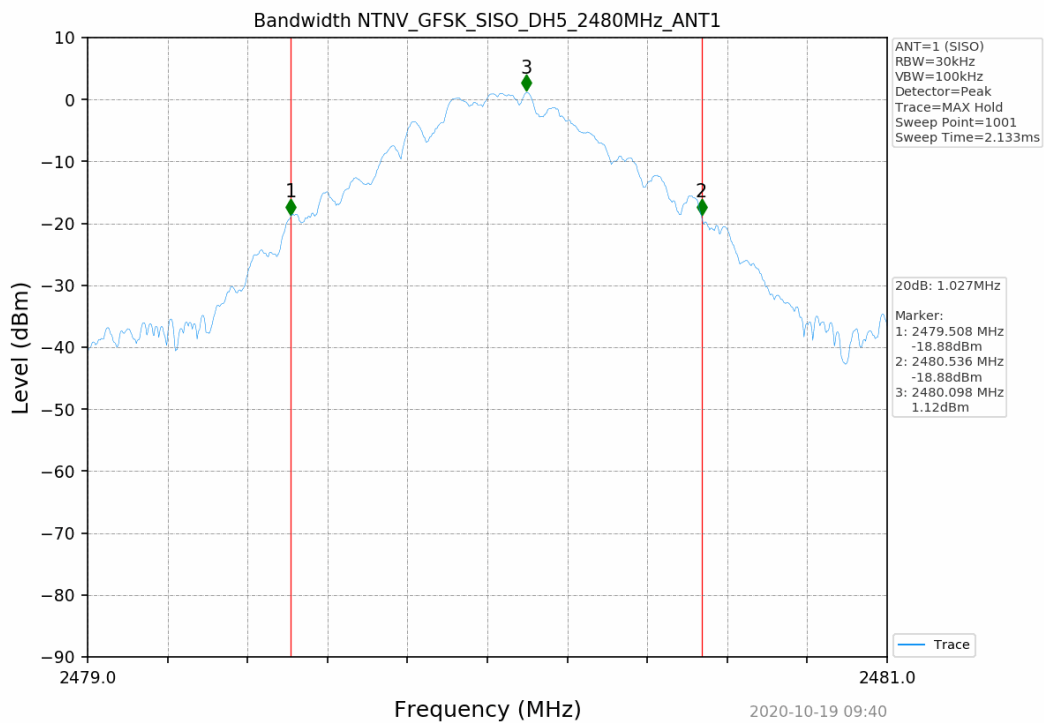
1.1 Test Result

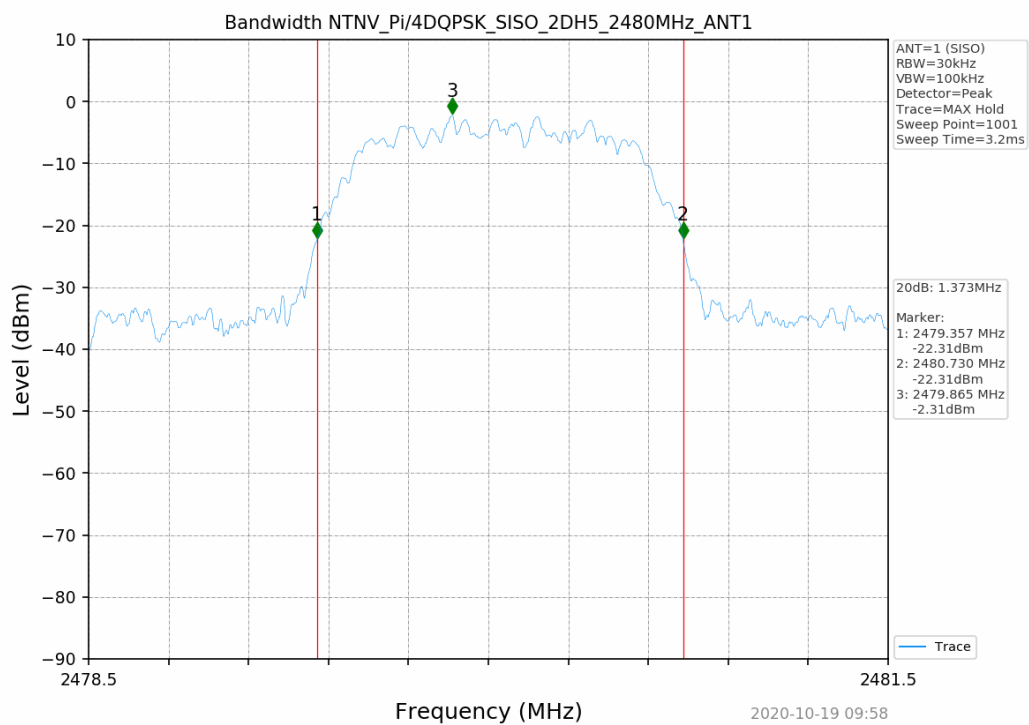
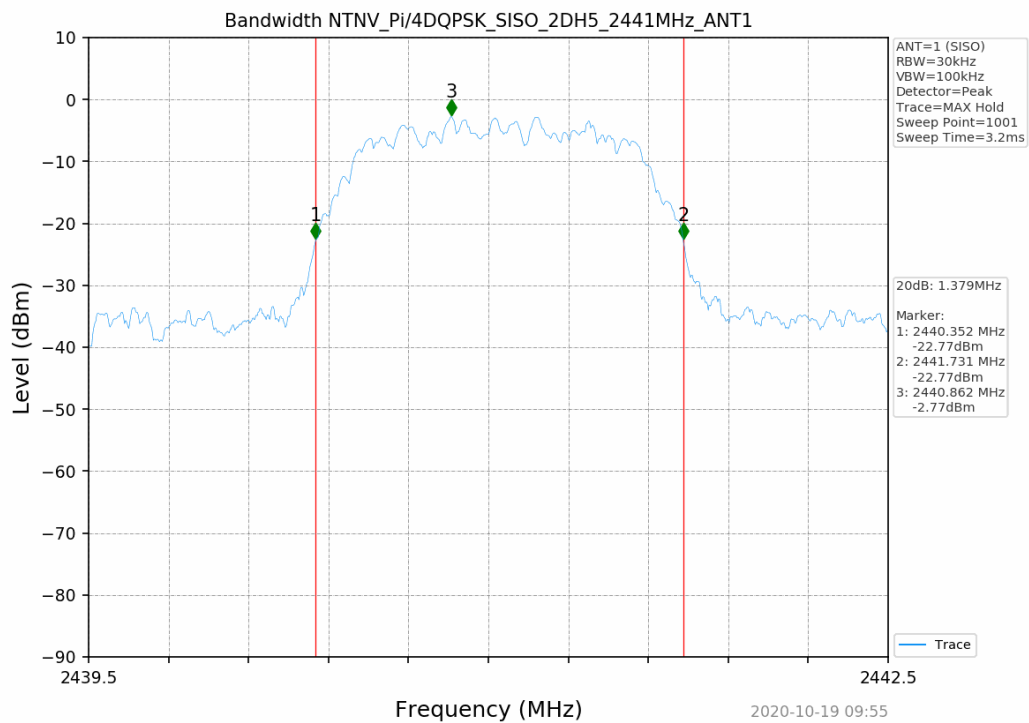
Test Mode	Frequency (MHz)	TX Type	ANT No.	20dB Bandwidth	Verdict
				Test Result (MHz)	
GFSK	2402	SISO	1	1.032	PASS
	2441	SISO	1	1.034	PASS
	2480	SISO	1	1.027	PASS
Pi/4DQPSK	2402	SISO	1	1.381	PASS
	2441	SISO	1	1.379	PASS
	2480	SISO	1	1.373	PASS
8DPSK	2402	SISO	1	1.359	PASS
	2441	SISO	1	1.358	PASS
	2480	SISO	1	1.359	PASS

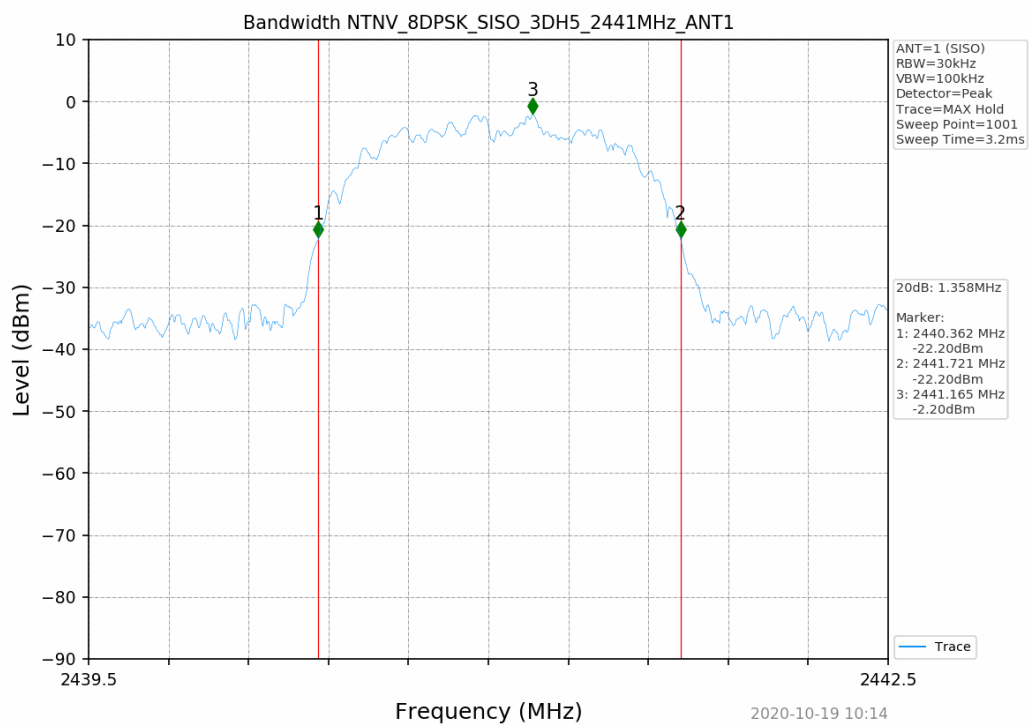
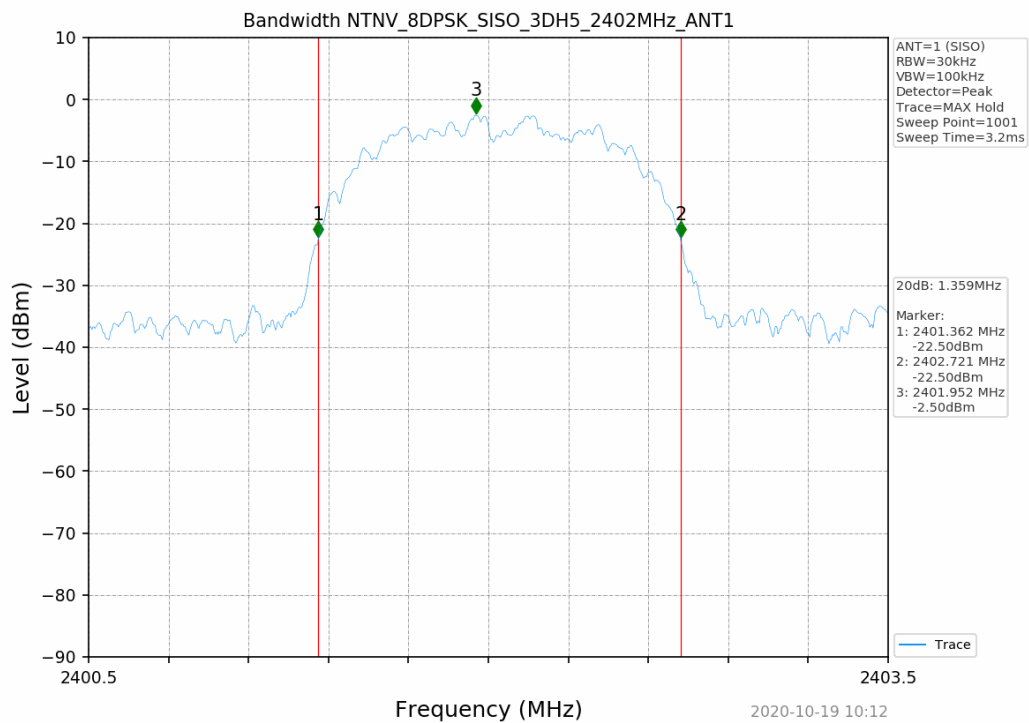
Test Mode	Frequency (MHz)	TX Type	ANT No.	99% Occupied Bandwidth	
				Test Result (MHz)	
GFSK	2402	SISO	1	0.902	Only for Report Use
	2441	SISO	1	0.902	Only for Report Use
	2480	SISO	1	0.902	Only for Report Use
Pi/4DQPSK	2402	SISO	1	1.216	Only for Report Use
	2441	SISO	1	1.217	Only for Report Use
	2480	SISO	1	1.217	Only for Report Use
8DPSK	2402	SISO	1	1.223	Only for Report Use
	2441	SISO	1	1.225	Only for Report Use
	2480	SISO	1	1.224	Only for Report Use

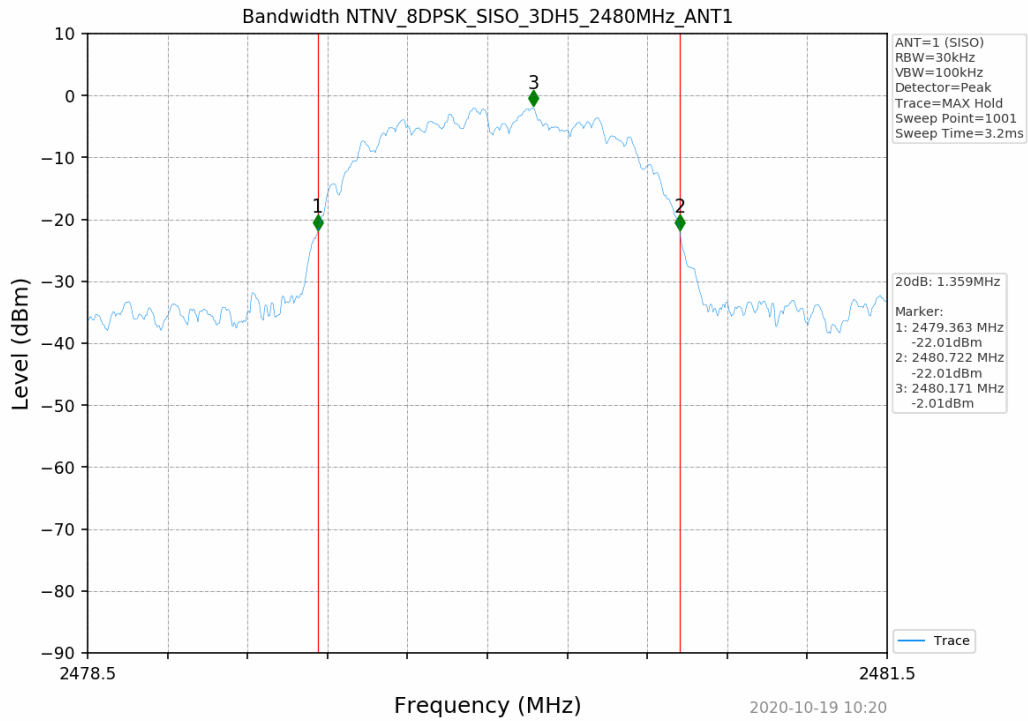
1.2 Test Graph - 20dB Bandwidth



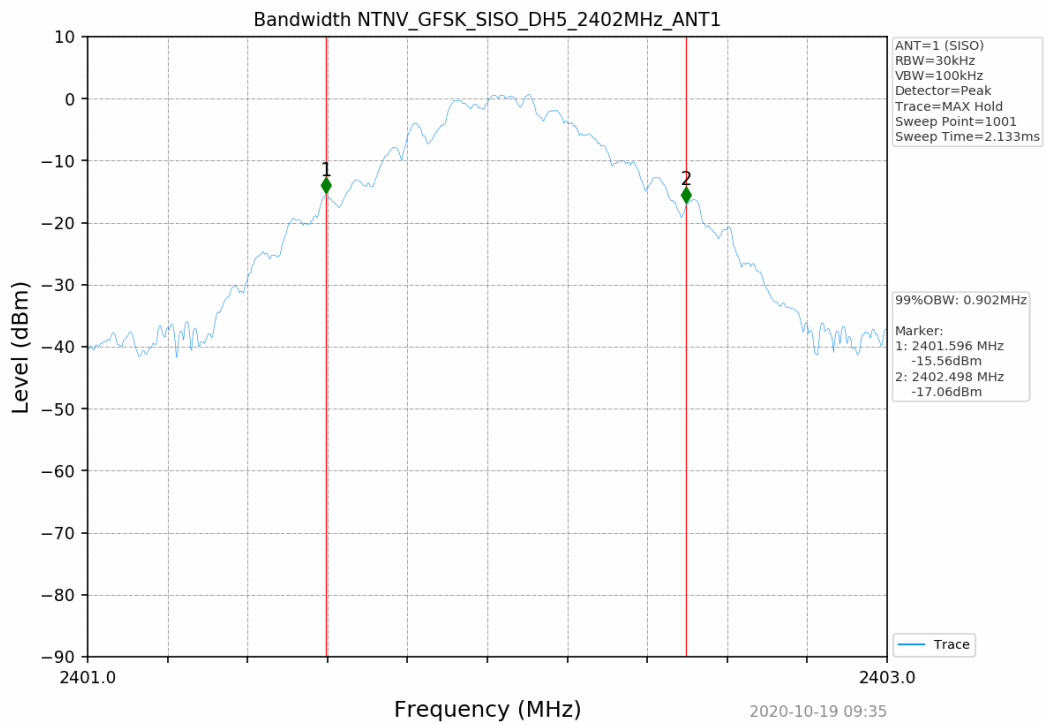


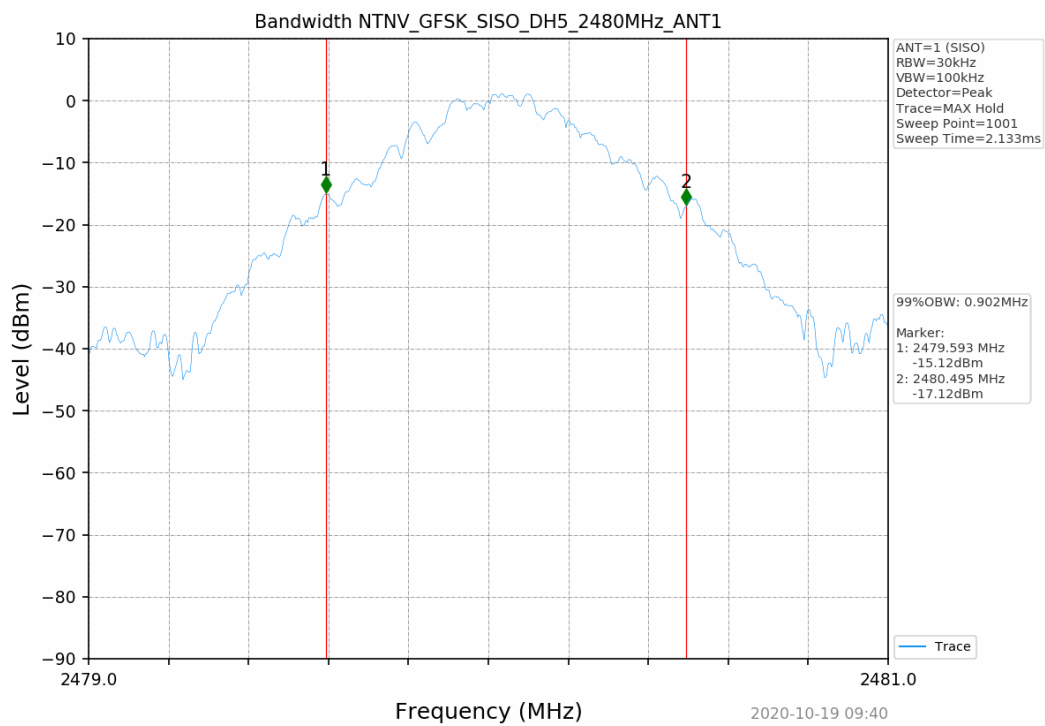
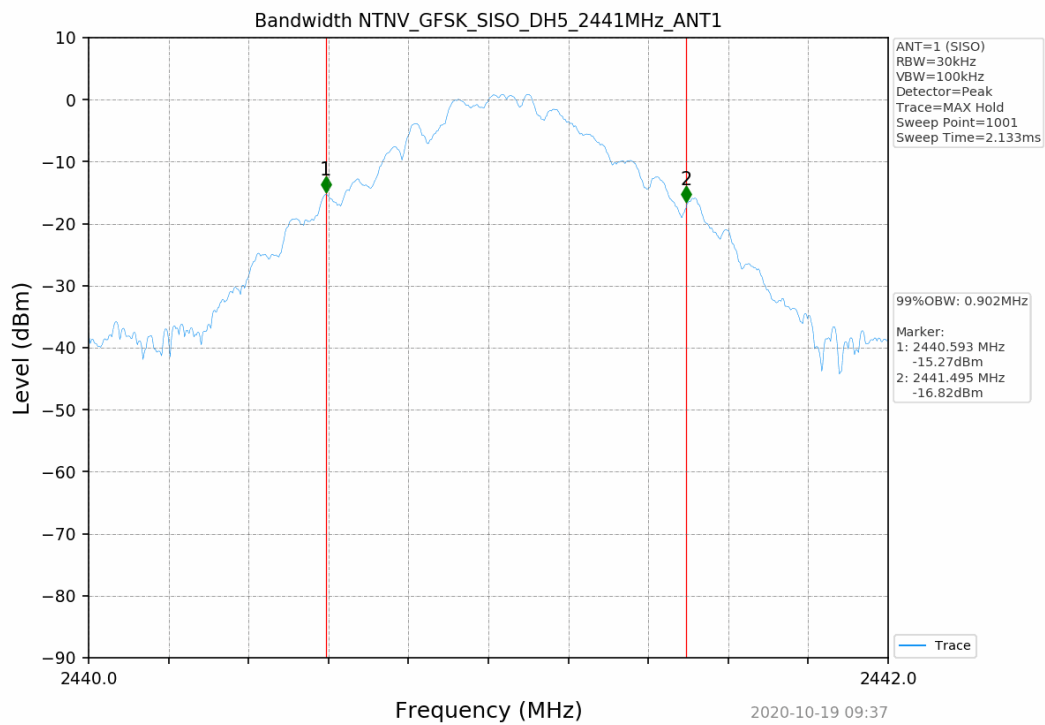


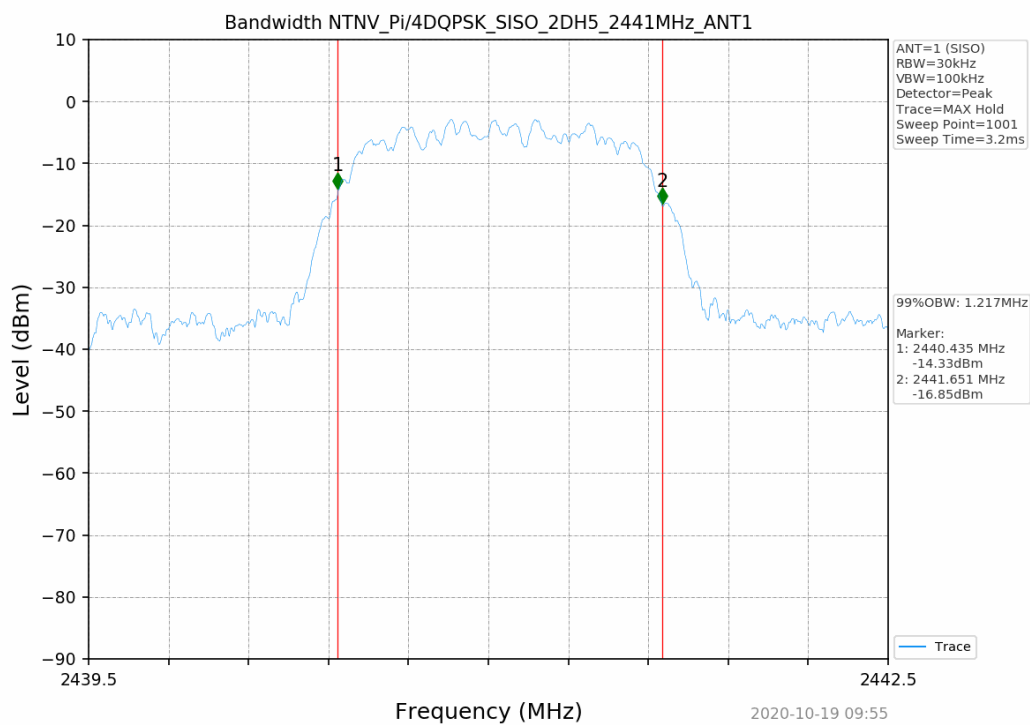
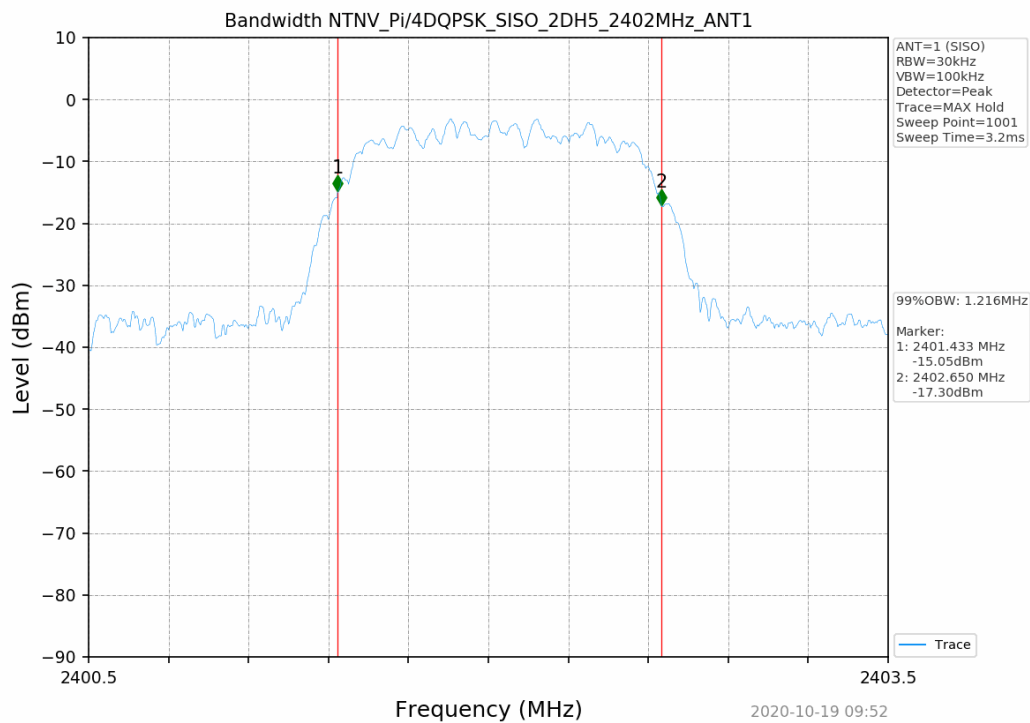


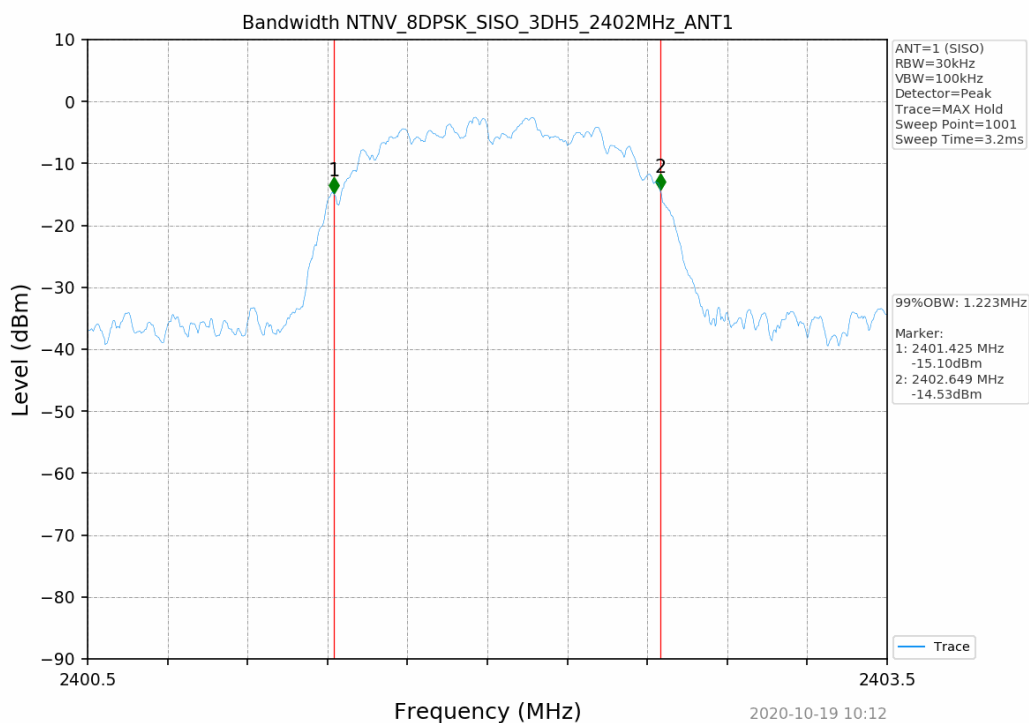
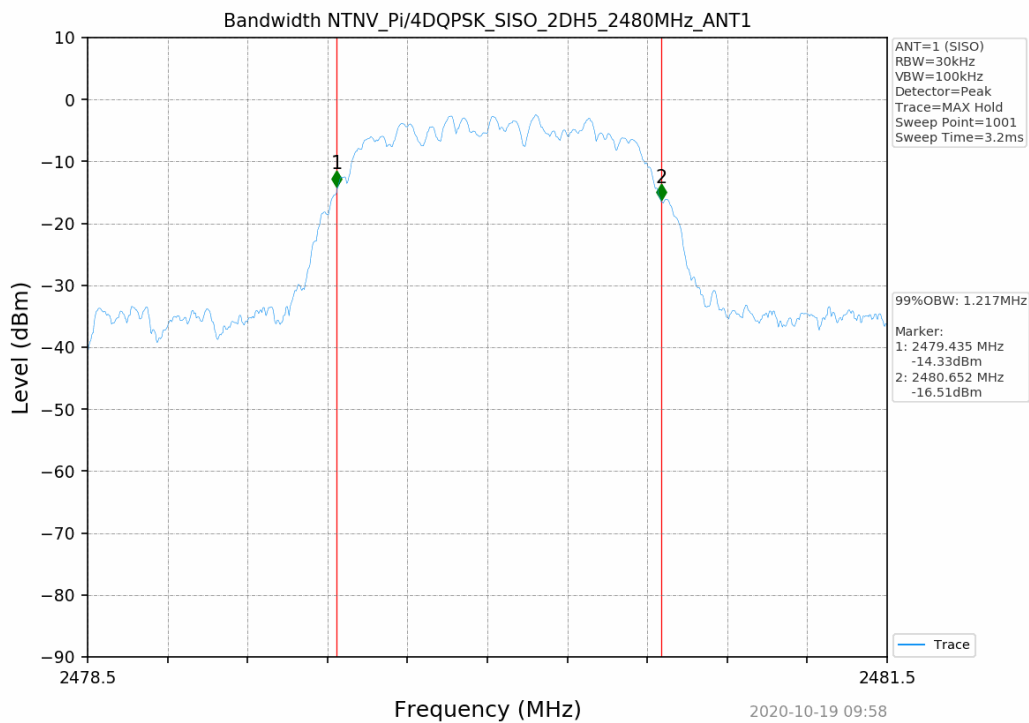


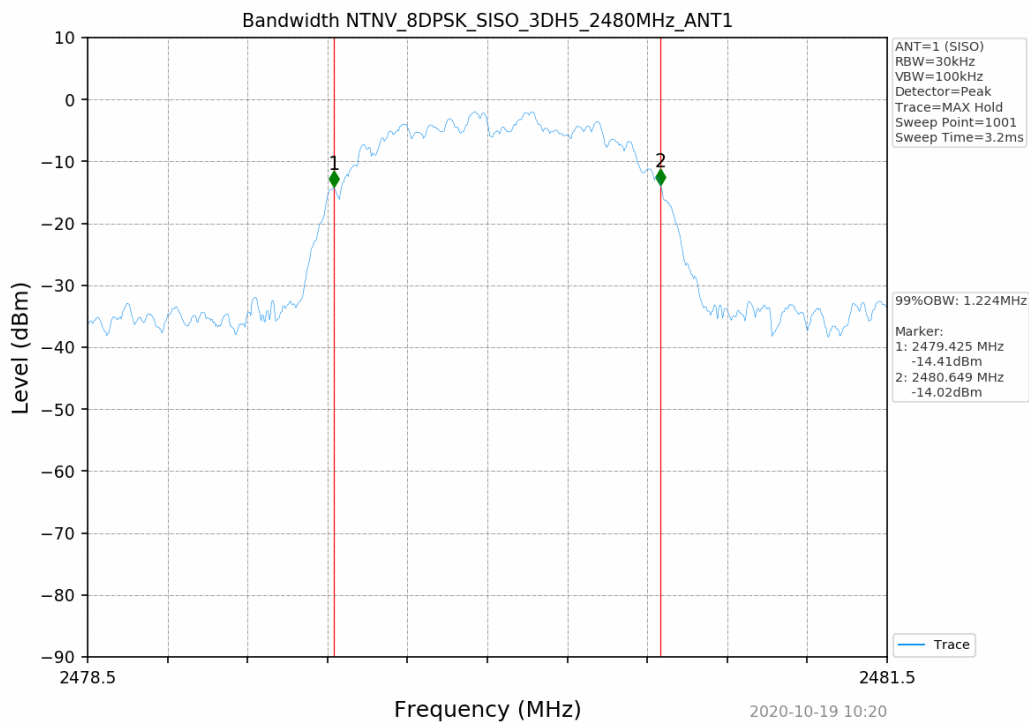
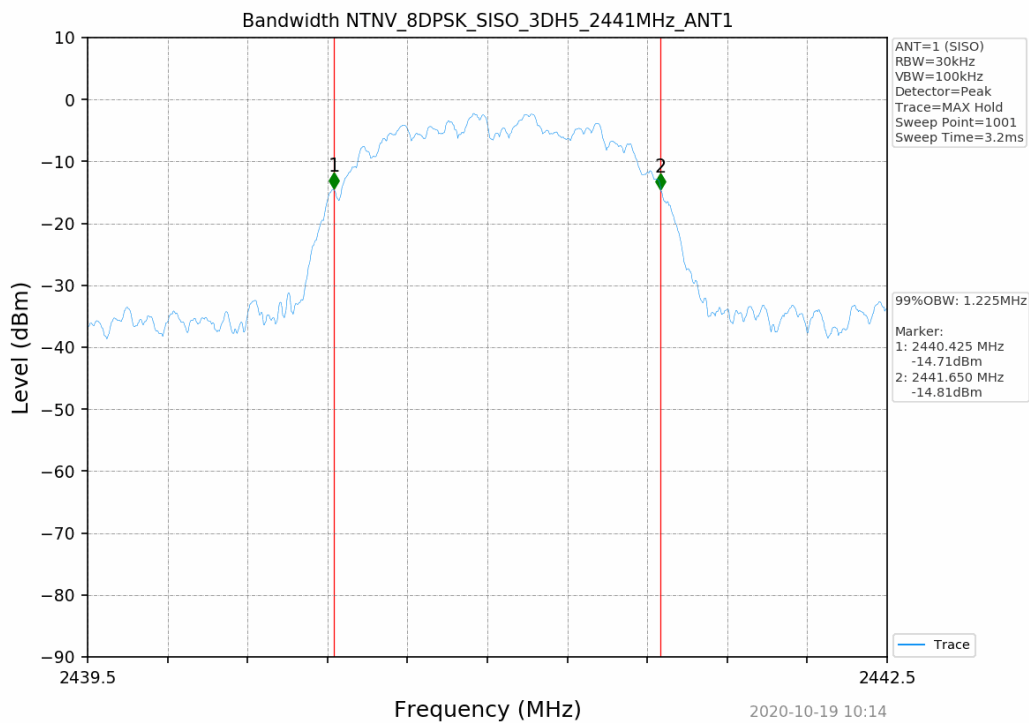
1.3 Test Graph - 99% Occupied Bandwidth









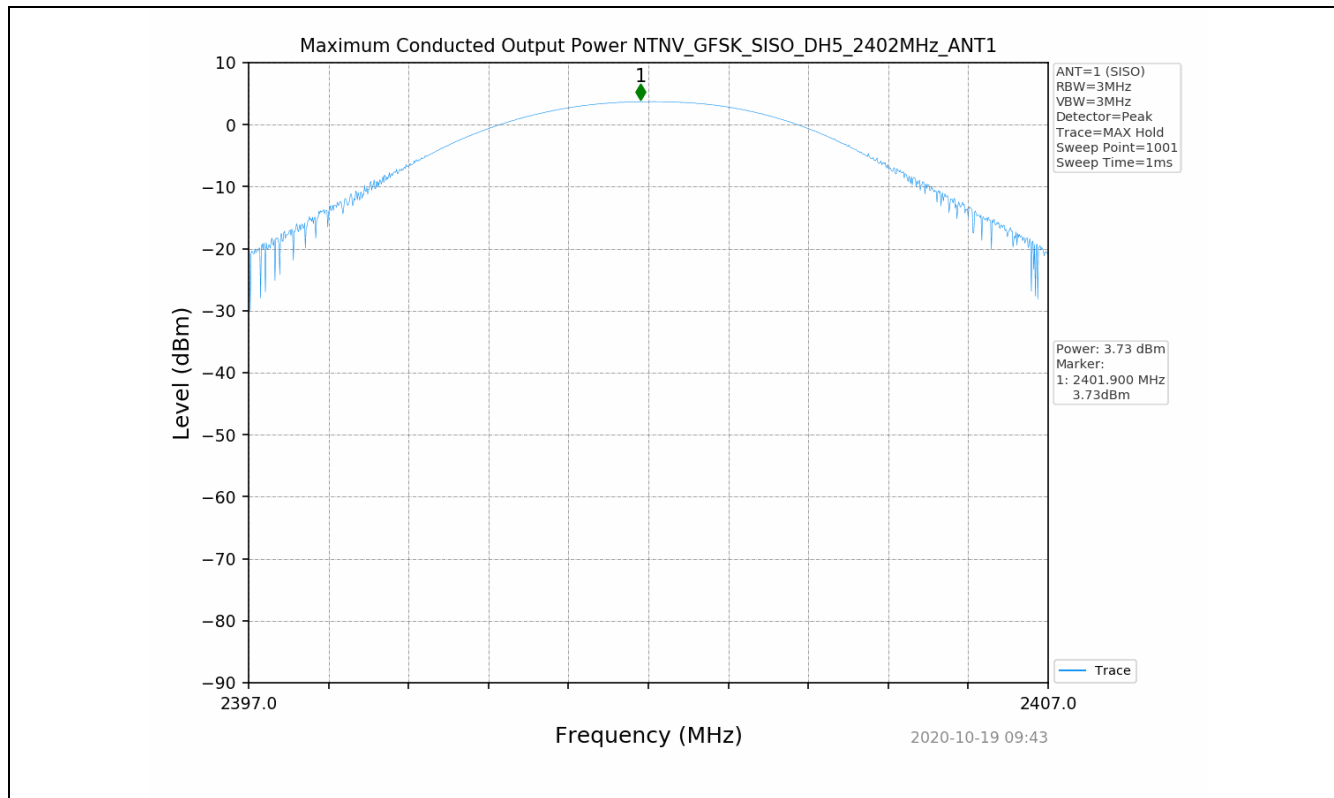


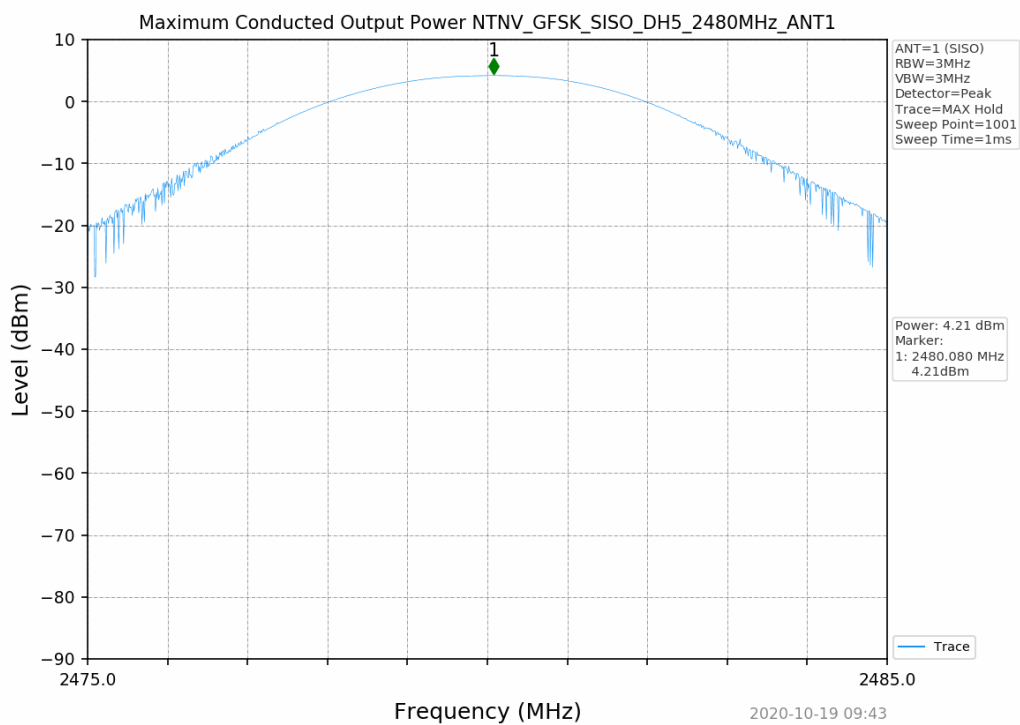
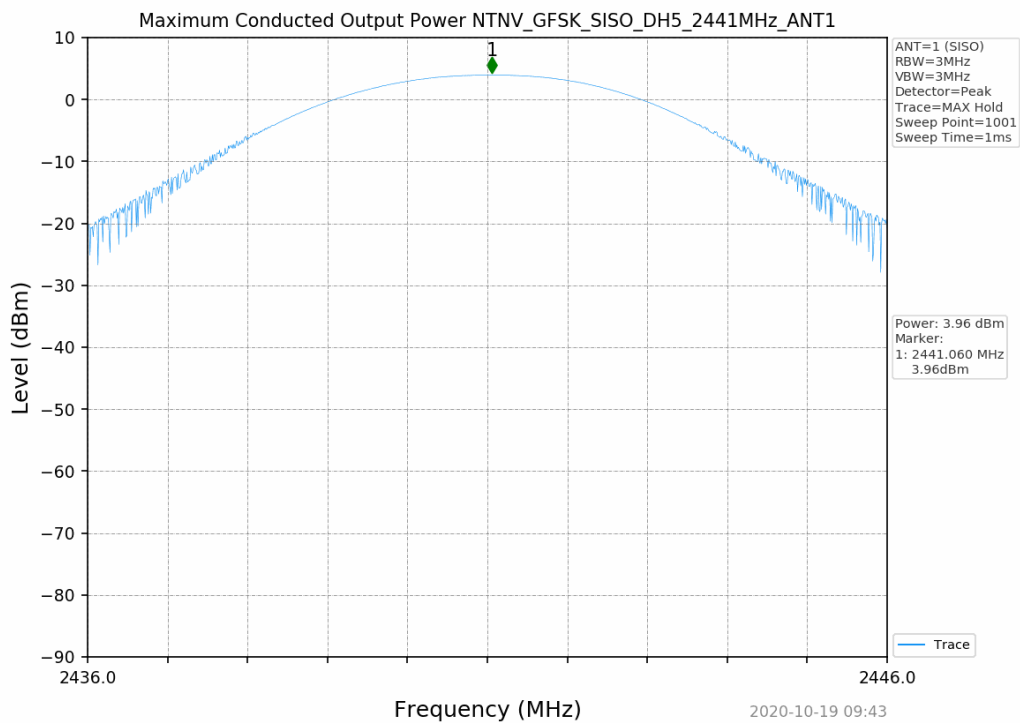
2. Maximum Conducted Output Power

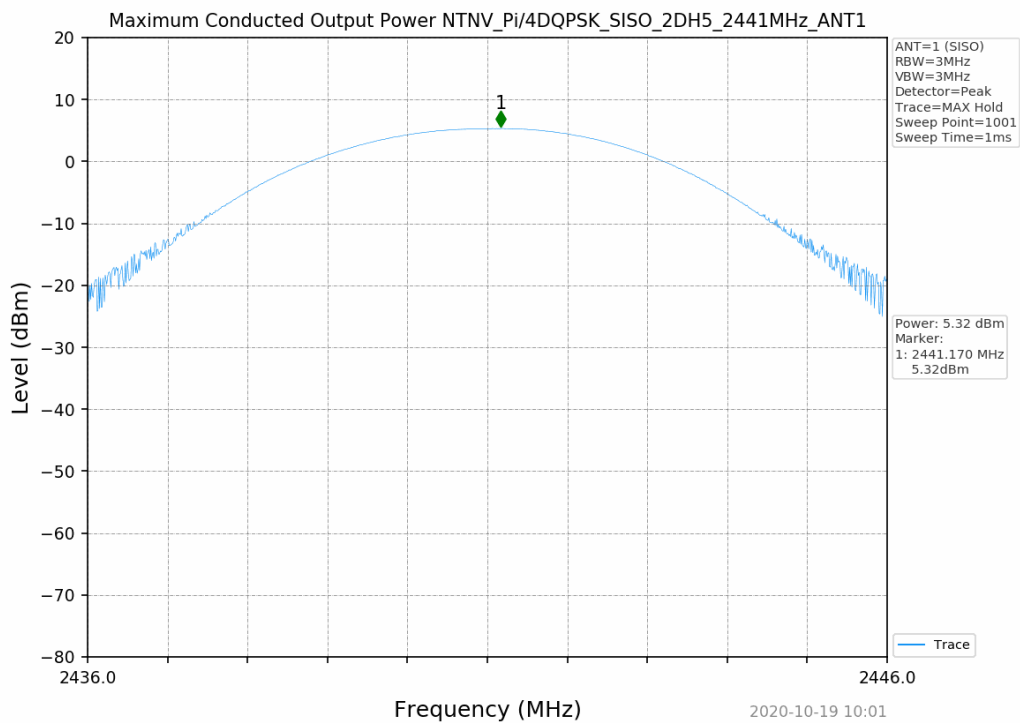
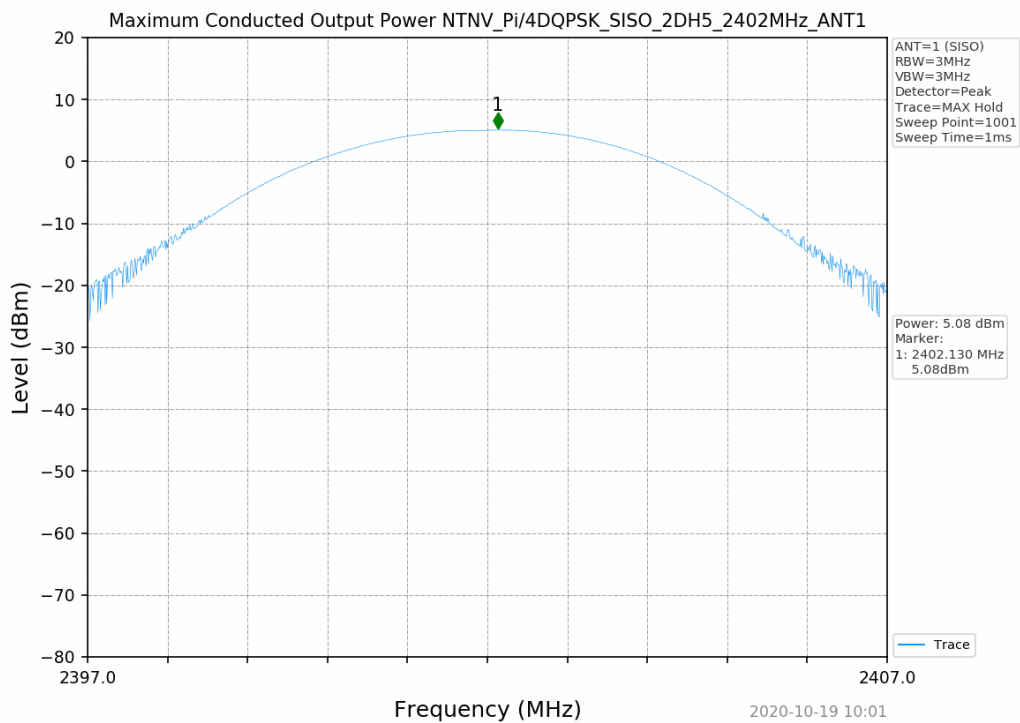
2.1 Test Result

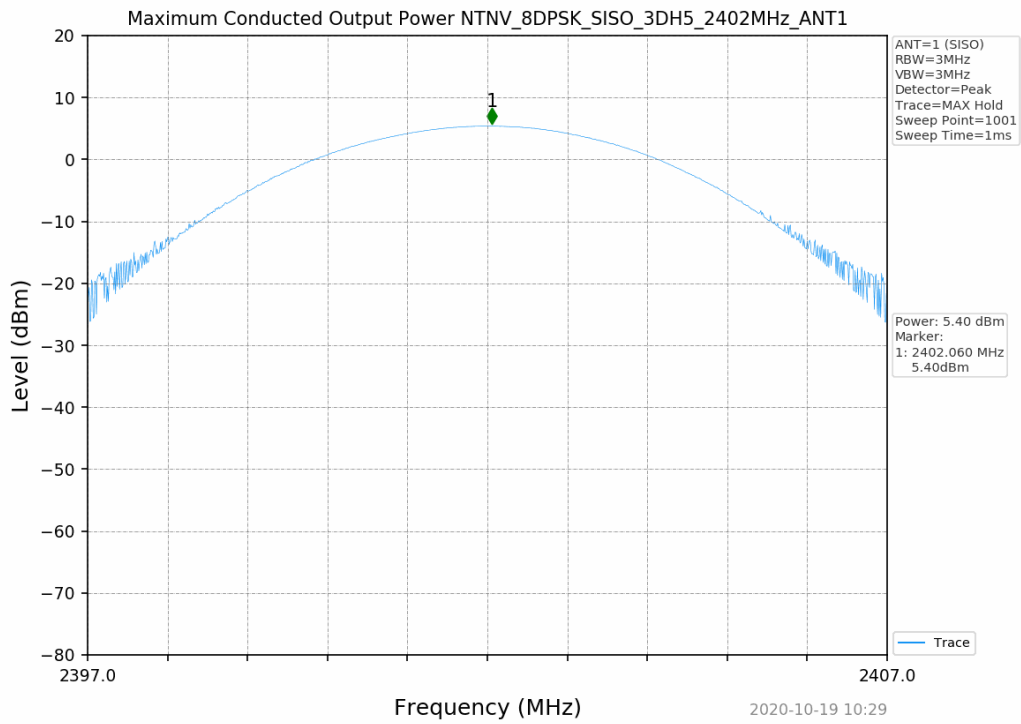
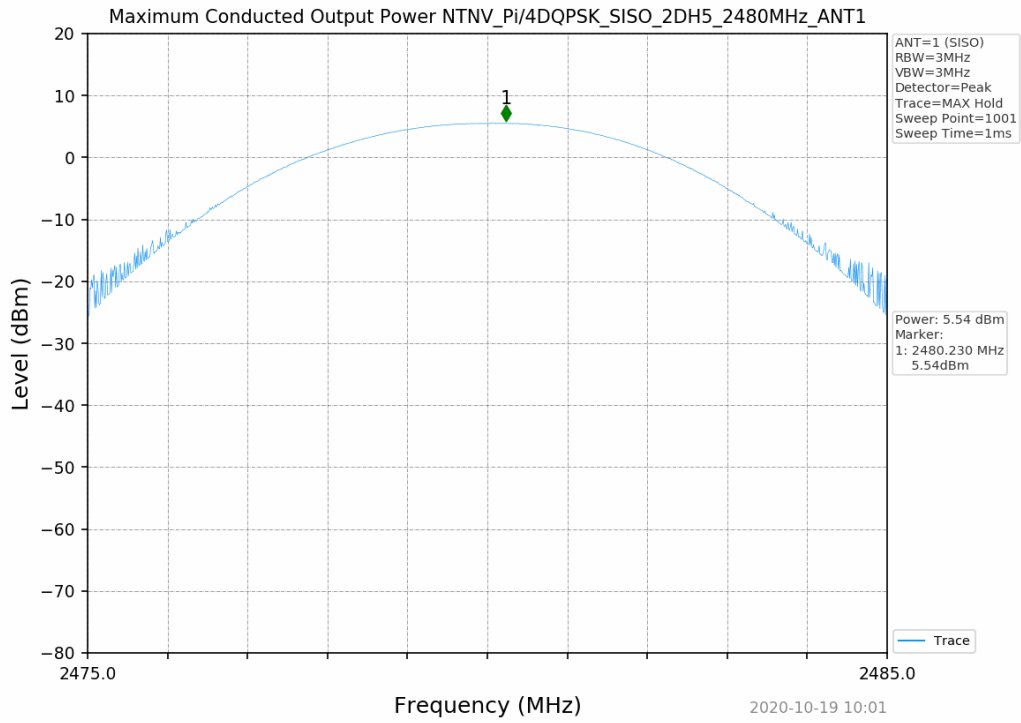
Test Mode	Frequency (MHz)	Tx Type	Measured Peak Output Power (dBm)	Limits (dBm)	Verdict
			Ant 1		
GFSK	2402	SISO	3.73	20.97	PASS
	2441	SISO	3.96	20.97	PASS
	2480	SISO	4.21	20.97	PASS
Pi/4DQPSK	2402	SISO	5.08	20.97	PASS
	2441	SISO	5.32	20.97	PASS
	2480	SISO	5.54	20.97	PASS
8DPSK	2402	SISO	5.40	20.97	PASS
	2441	SISO	5.65	20.97	PASS
	2480	SISO	5.88	20.97	PASS

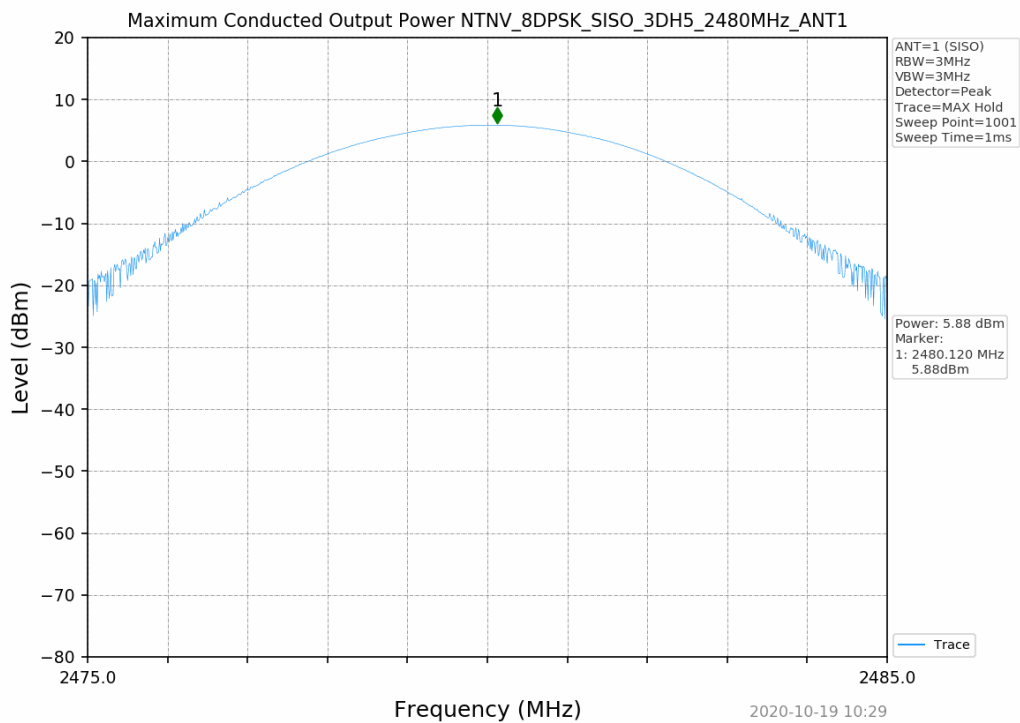
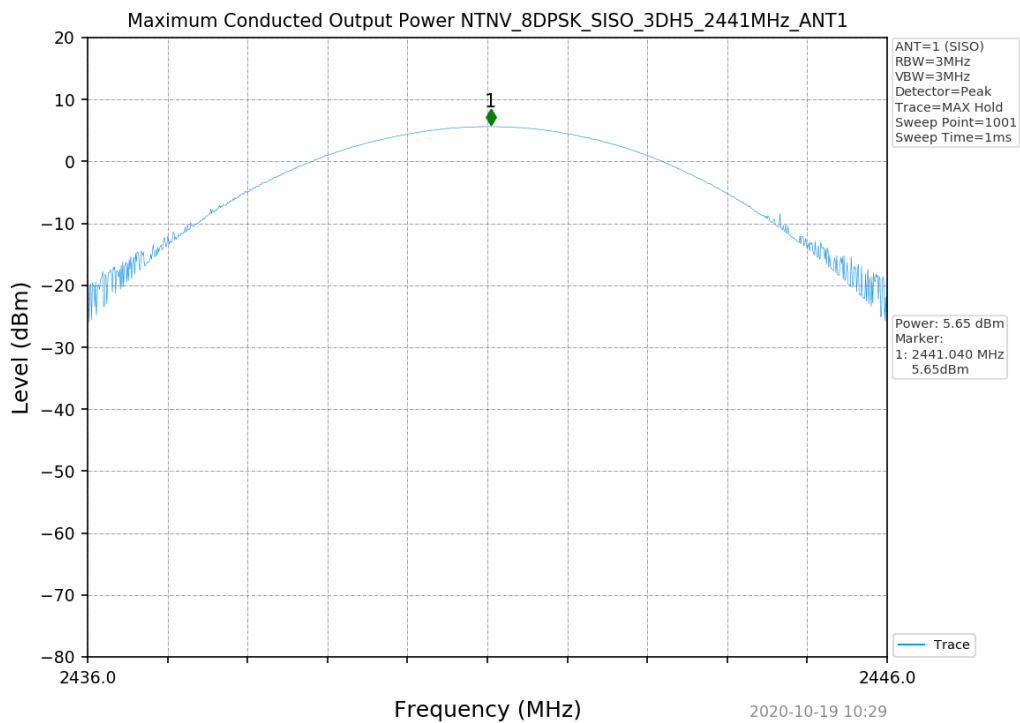
2.2 Test Graph









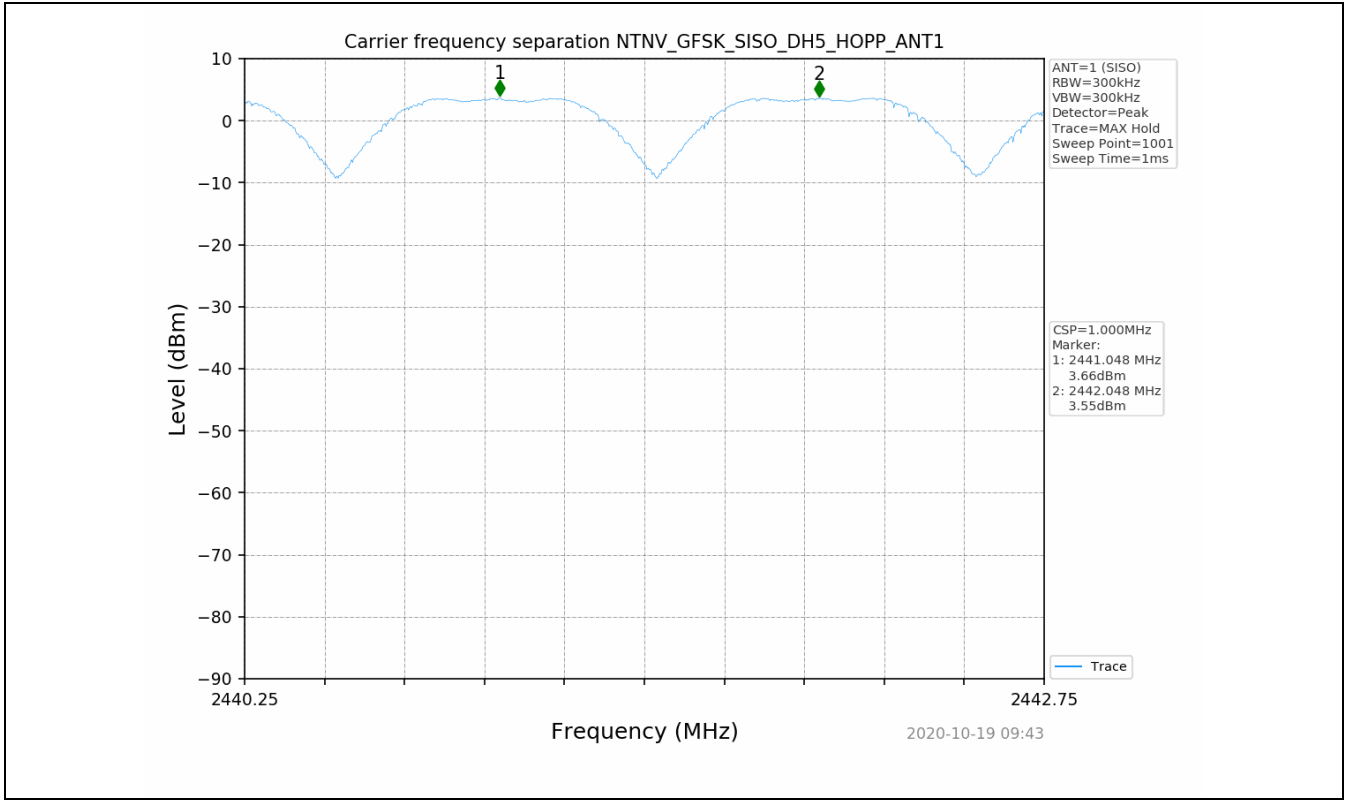


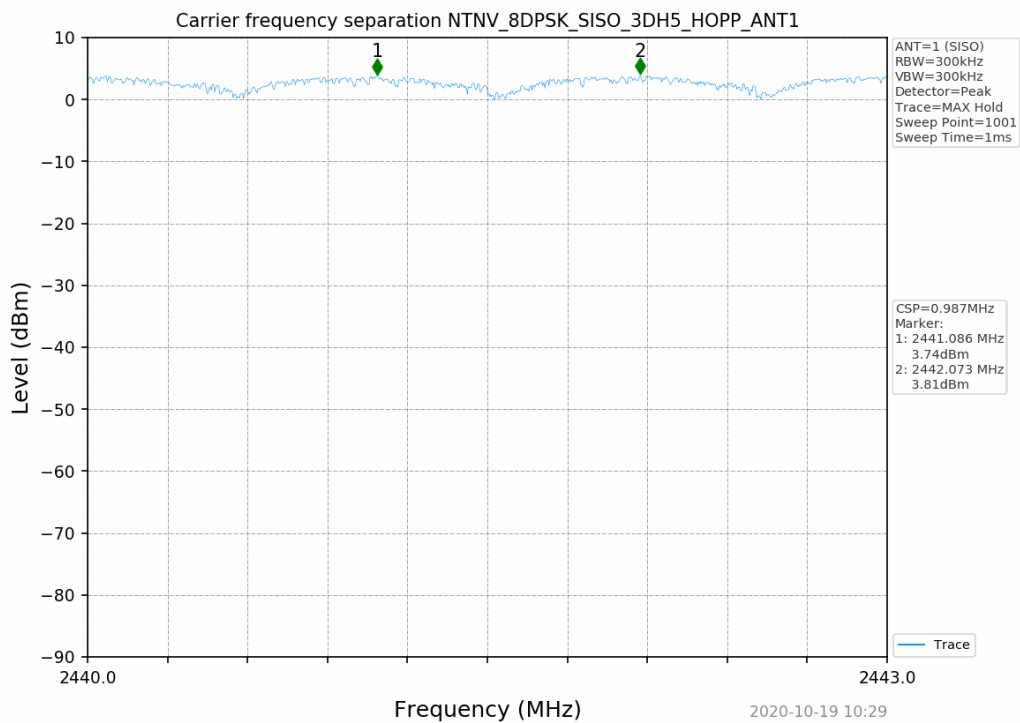
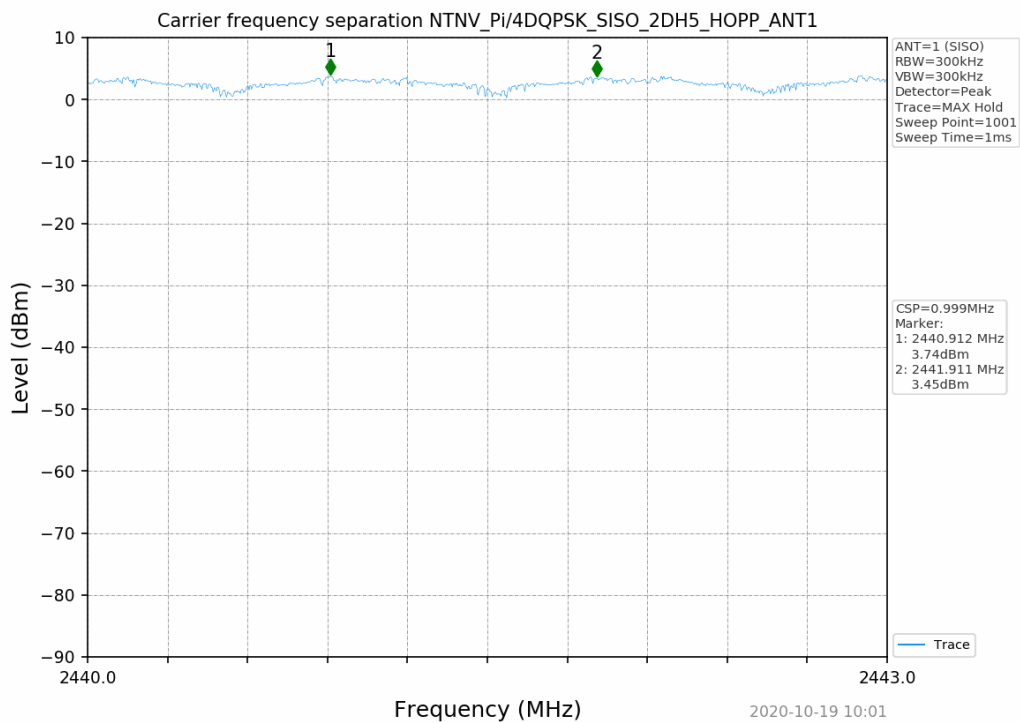
3. Carrier frequency separation

3.1 Test Result

Test Mode	TX Type	ANT No.	Channel Separation (MHz)	20dB Bandwidth (MHz)	Limits (MHz)	Verdict
GFSK	SISO	1	1.000	1.034	≥ 0.689	PASS
Pi/4DQPSK	SISO	1	0.999	1.381	≥ 0.921	PASS
8DPSK	SISO	1	0.987	1.359	≥ 0.906	PASS

3.2 Test Graph



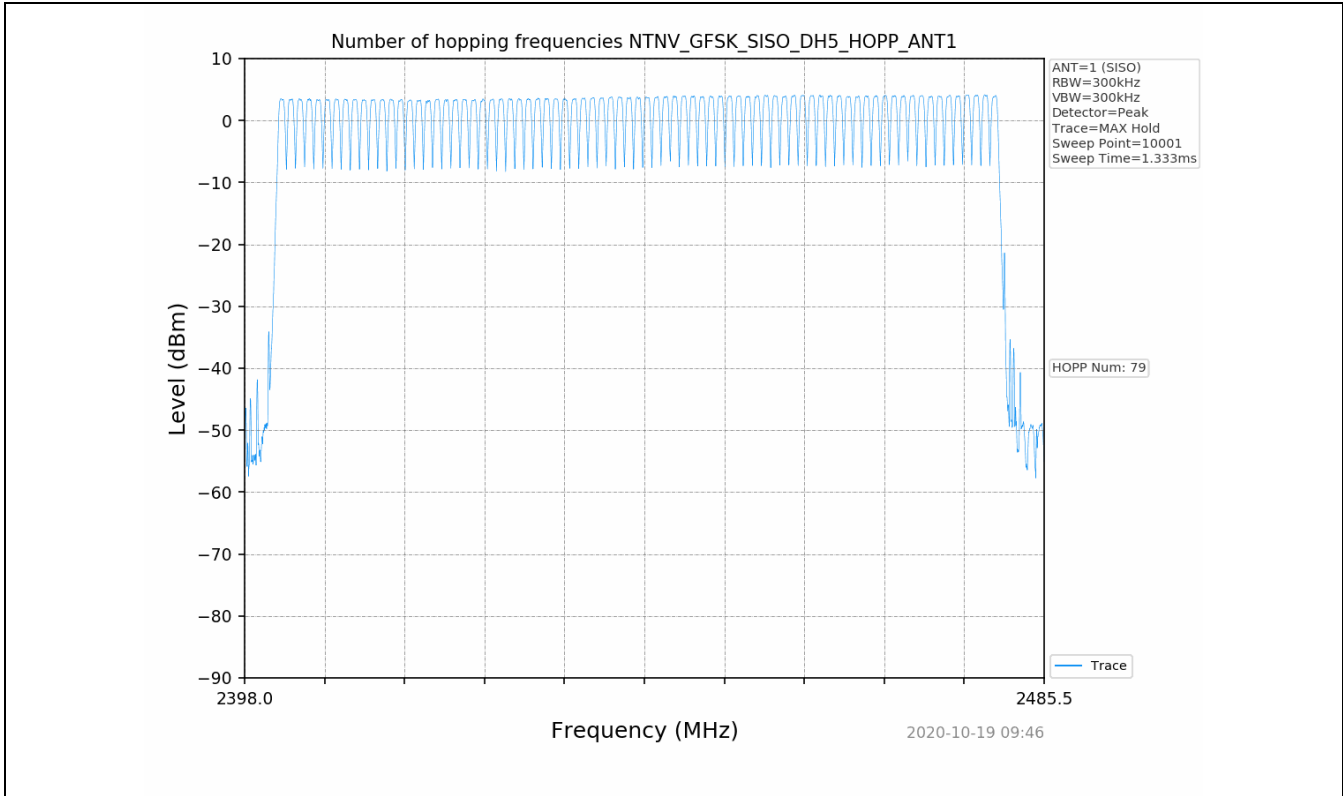


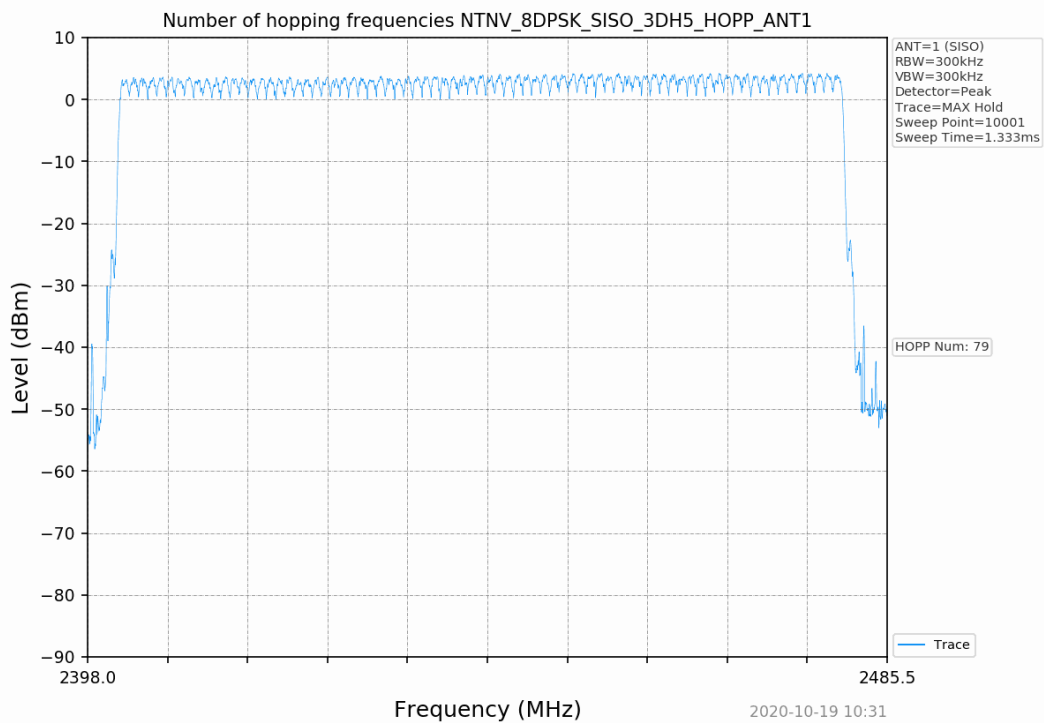
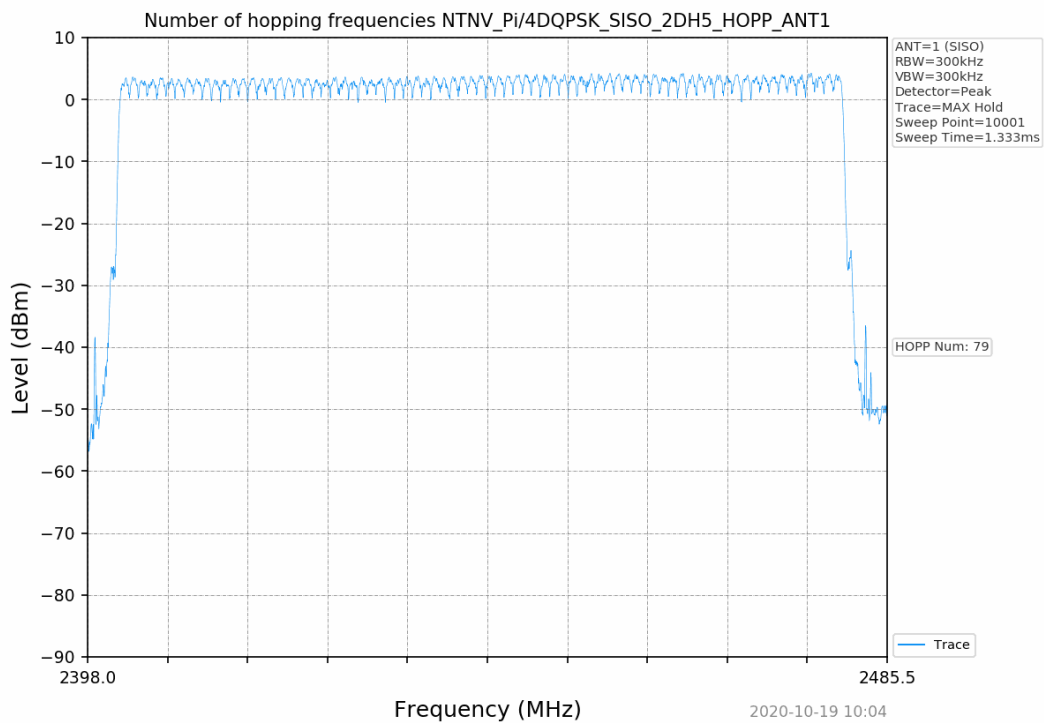
4. Number of hopping frequencies

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



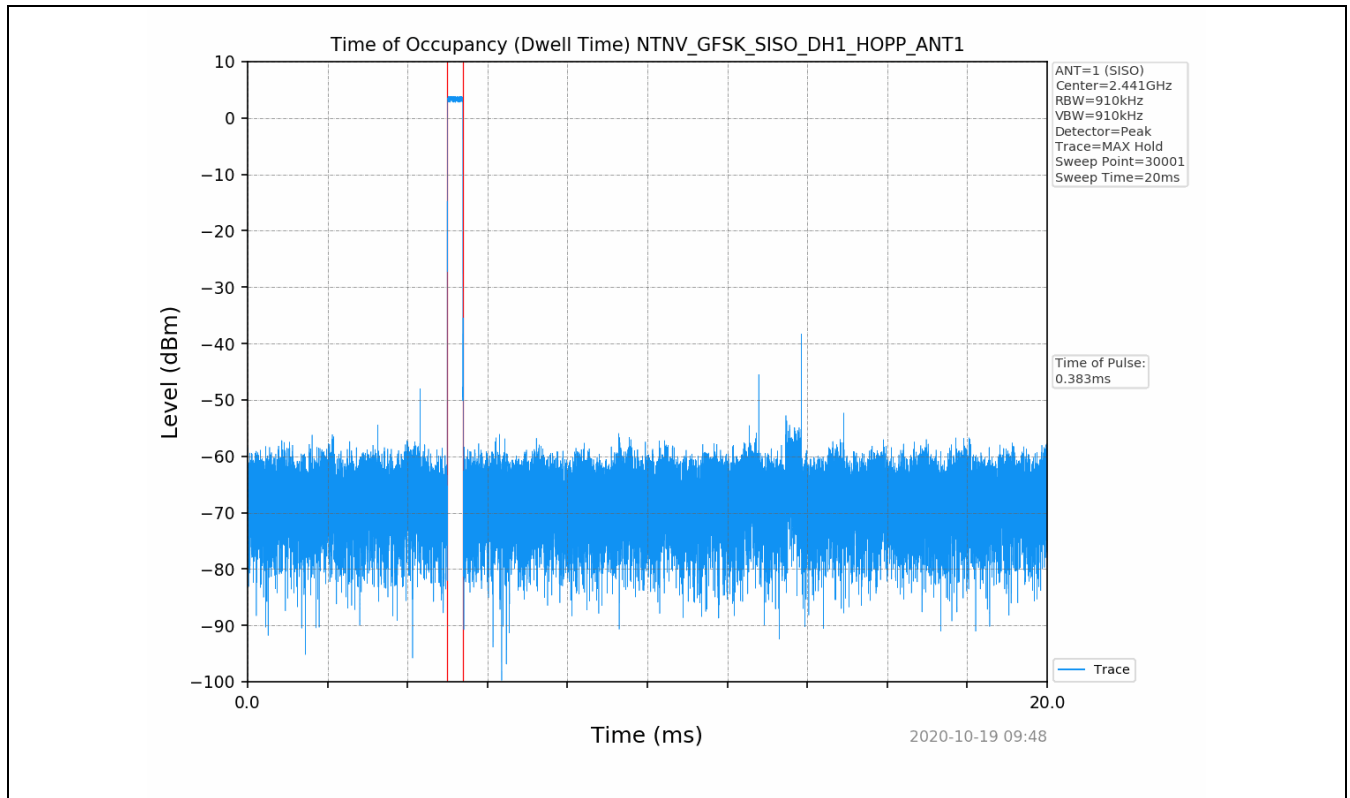


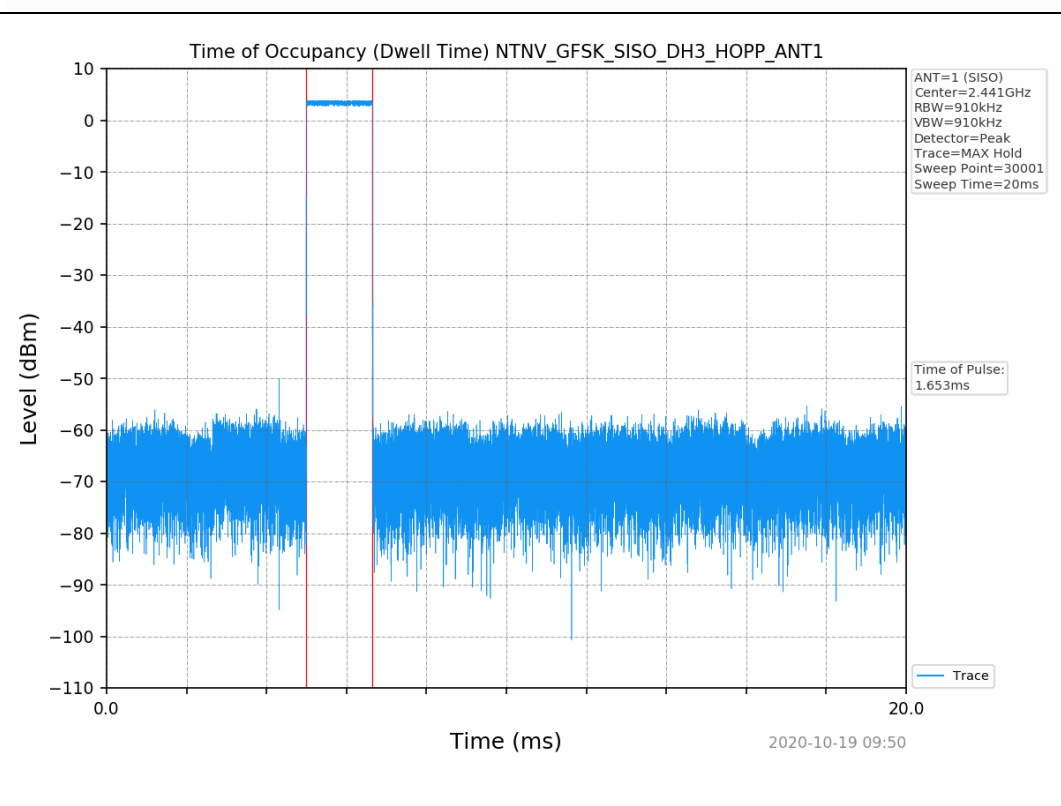
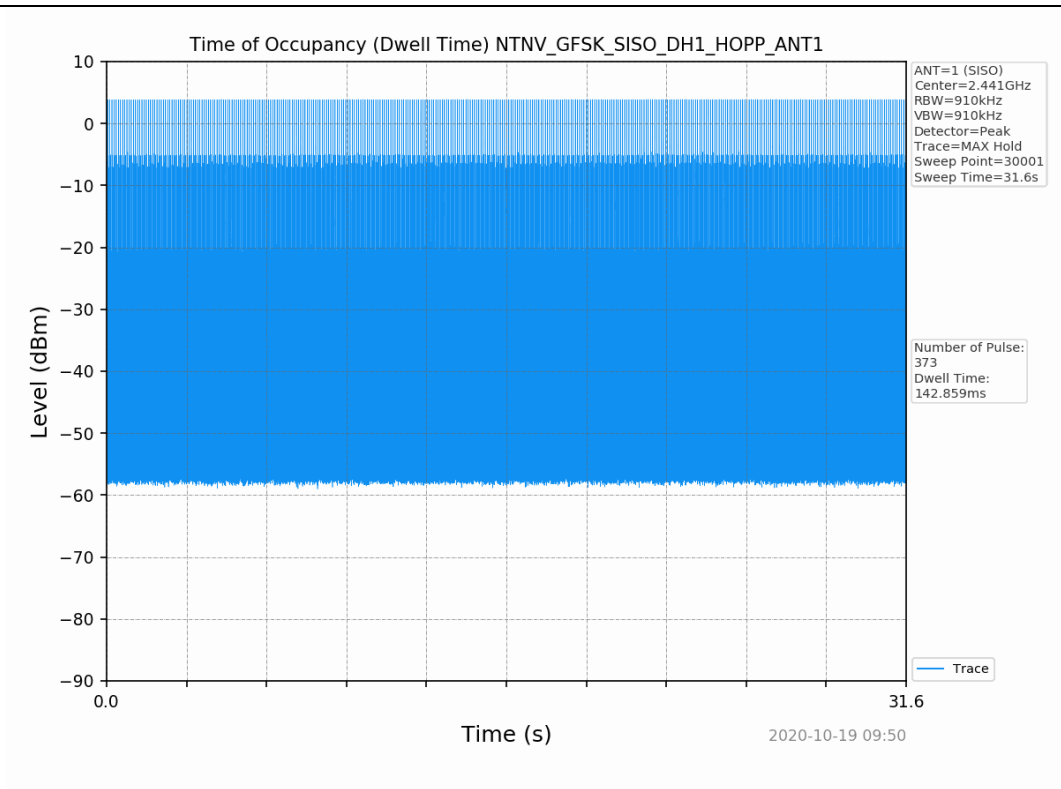
5. Time of Occupancy (Dwell Time)

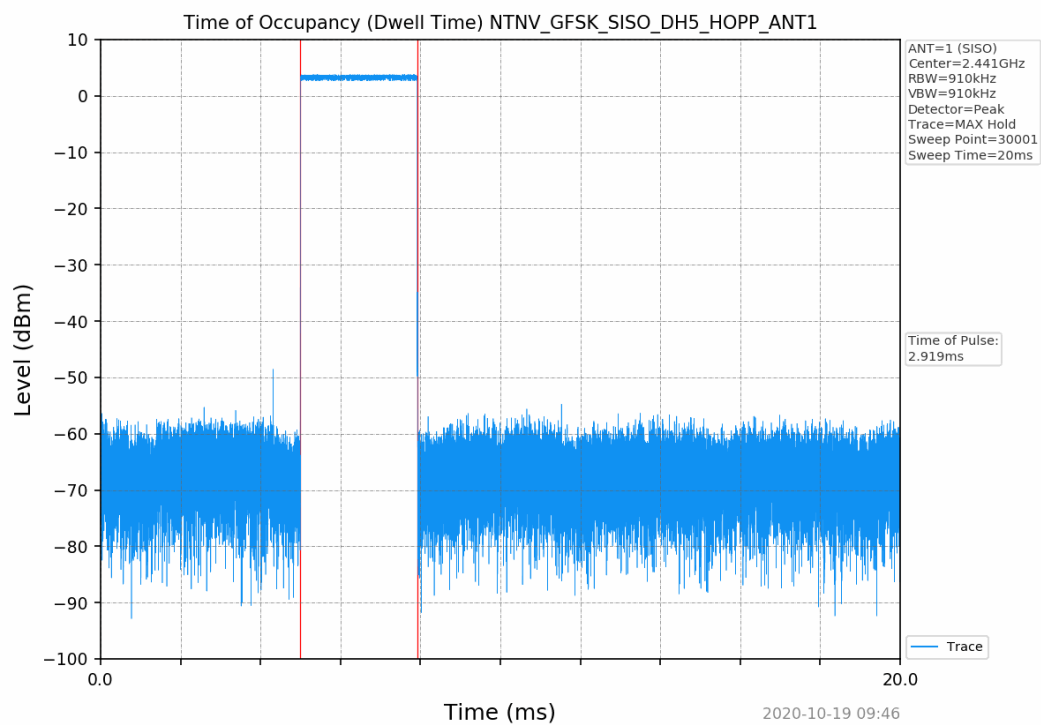
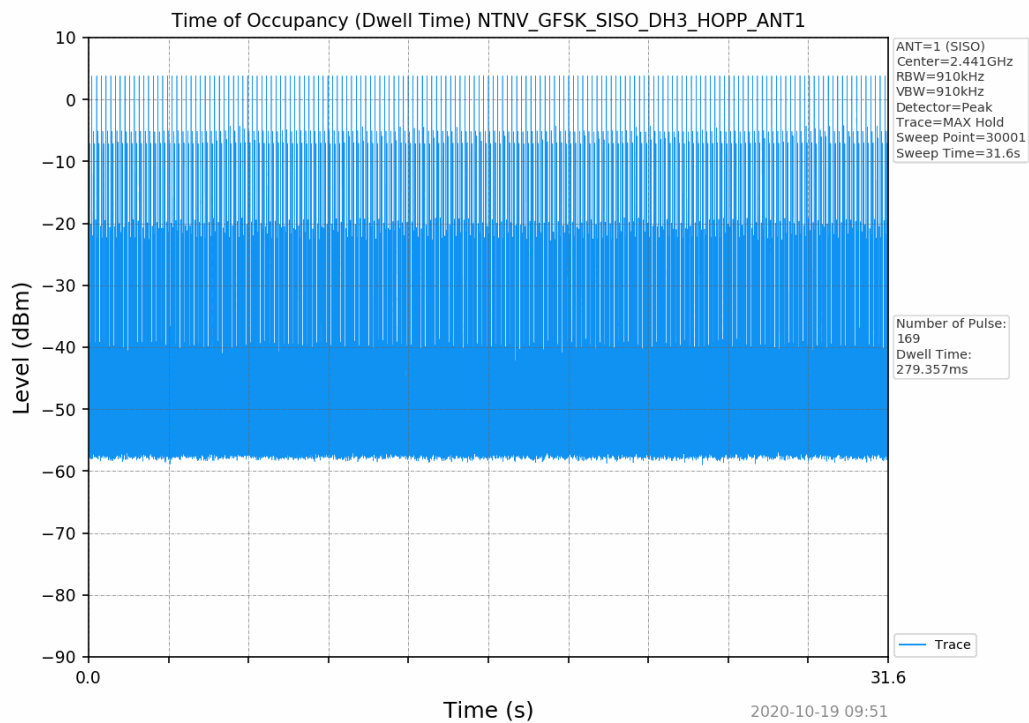
5.1 Test Result

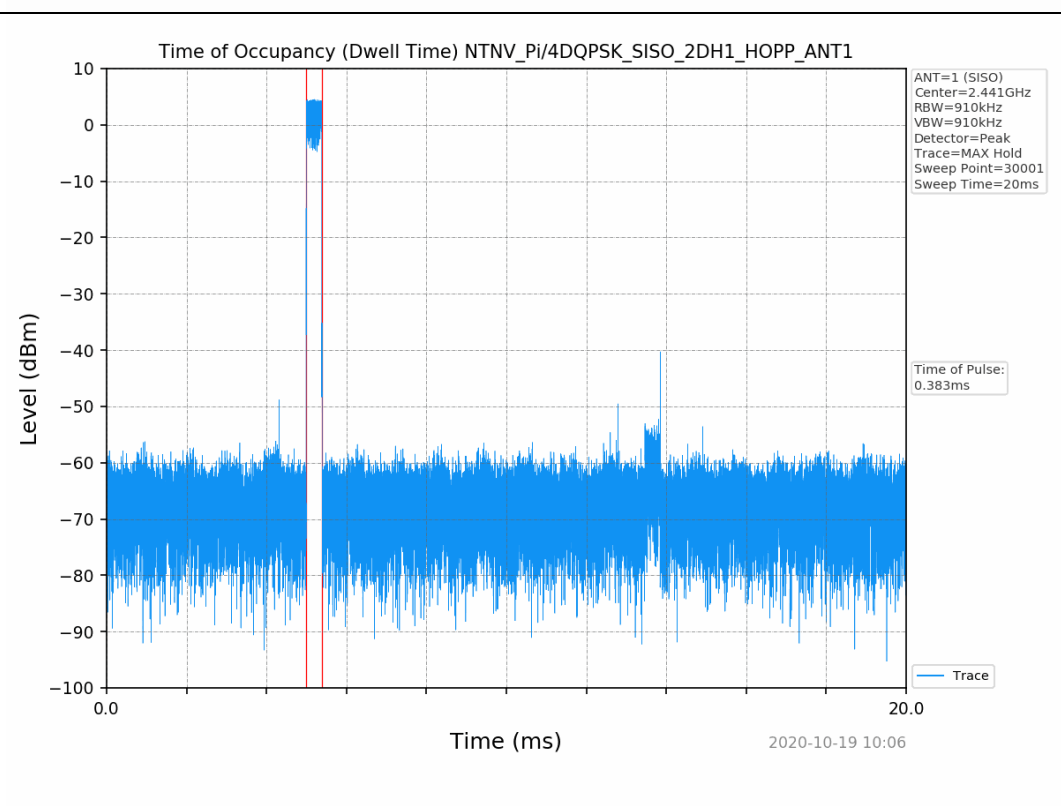
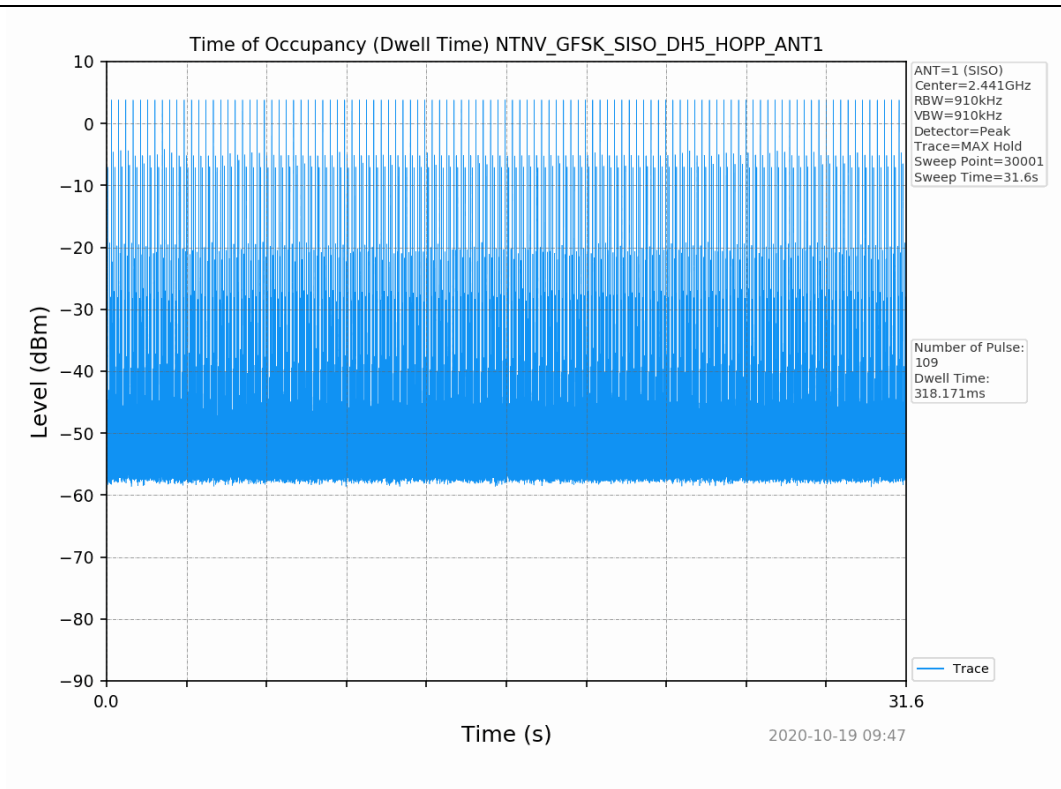
Test Mode	Packet Type	TX Type	ANT No.	Duration of Single Pulse (ms)	Obeservation Period (s)	Num of Pulse in Observation Period	Dwell Time (ms)	Limits (ms)	Verdict
GFSK	DH1	SISO	1	0.383	31.6	373	142.859	≤400	PASS
	DH3	SISO	1	1.653	31.6	169	279.357	≤400	PASS
	DH5	SISO	1	2.919	31.6	109	318.171	≤400	PASS
Pi/4D QPS K	2DH1	SISO	1	0.383	31.6	372	142.476	≤400	PASS
	2DH3	SISO	1	1.655	31.6	170	281.350	≤400	PASS
	2DH5	SISO	1	2.935	31.6	109	319.915	≤400	PASS
8DPS K	3DH1	SISO	1	0.385	31.6	373	143.605	≤400	PASS
	3DH3	SISO	1	1.655	31.6	169	279.695	≤400	PASS
	3DH5	SISO	1	2.937	31.6	109	320.133	≤400	PASS

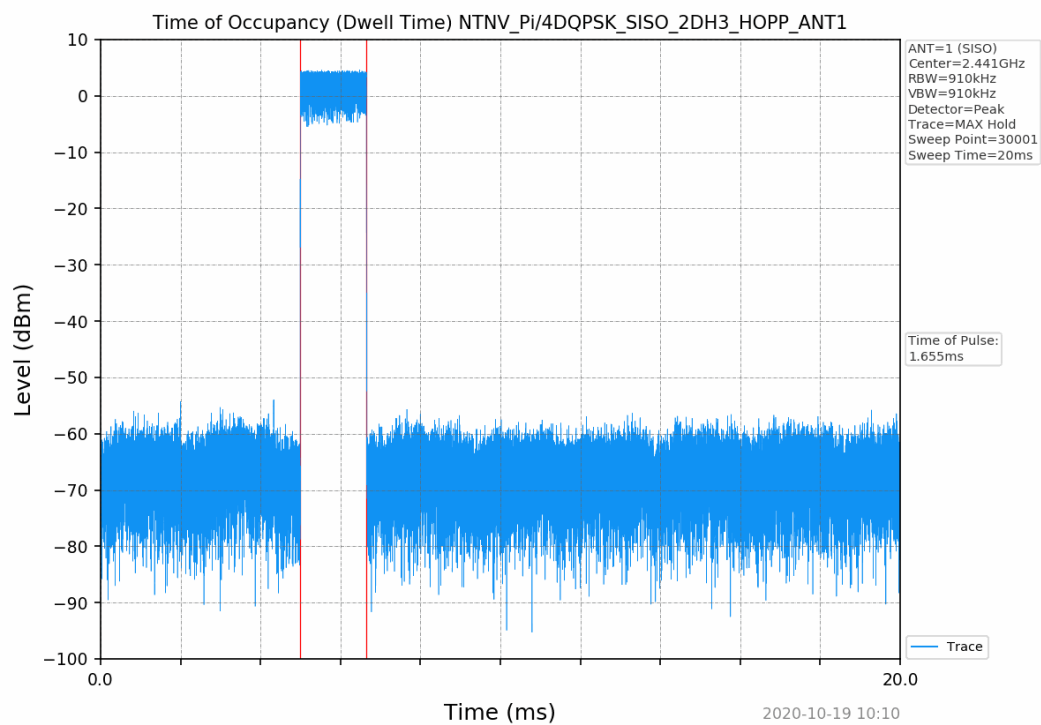
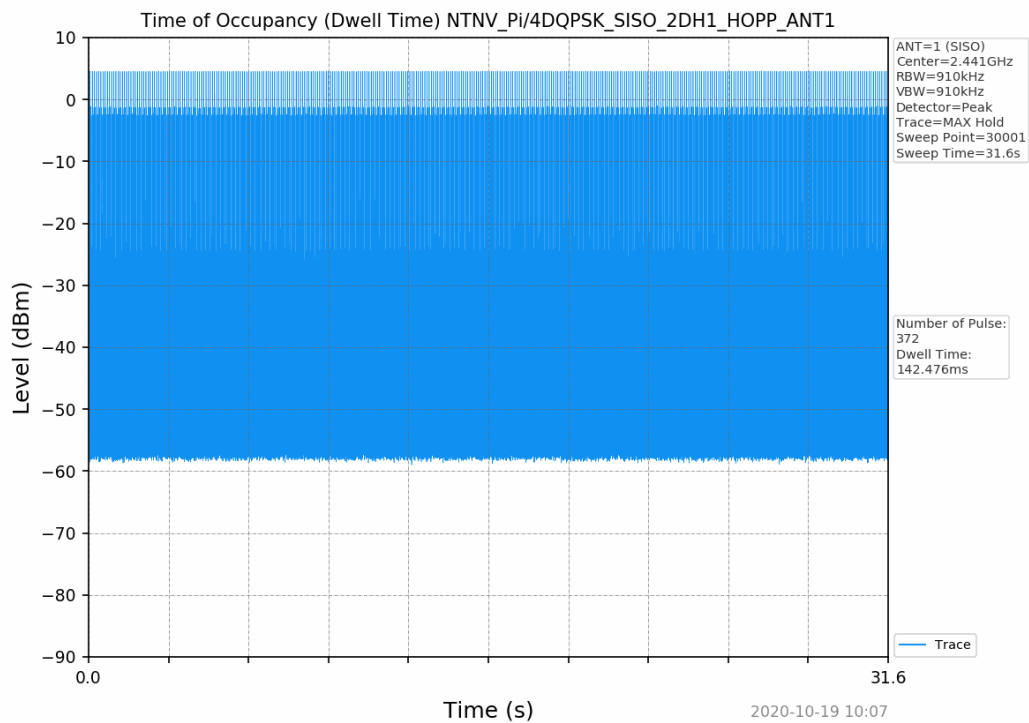
5.2 Test Graph

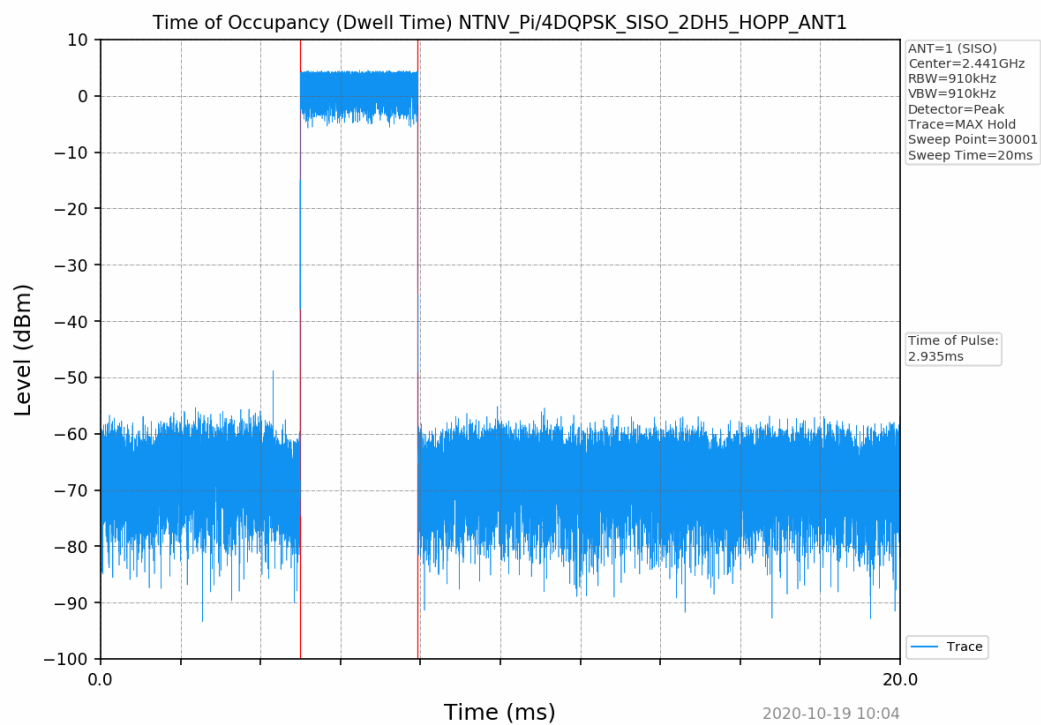
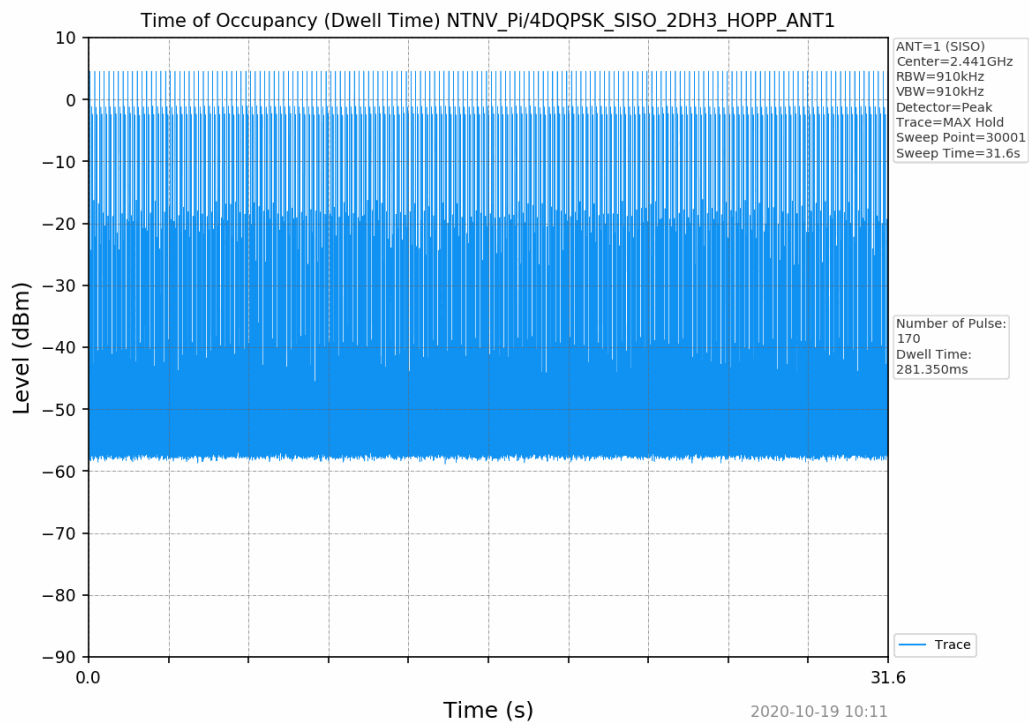


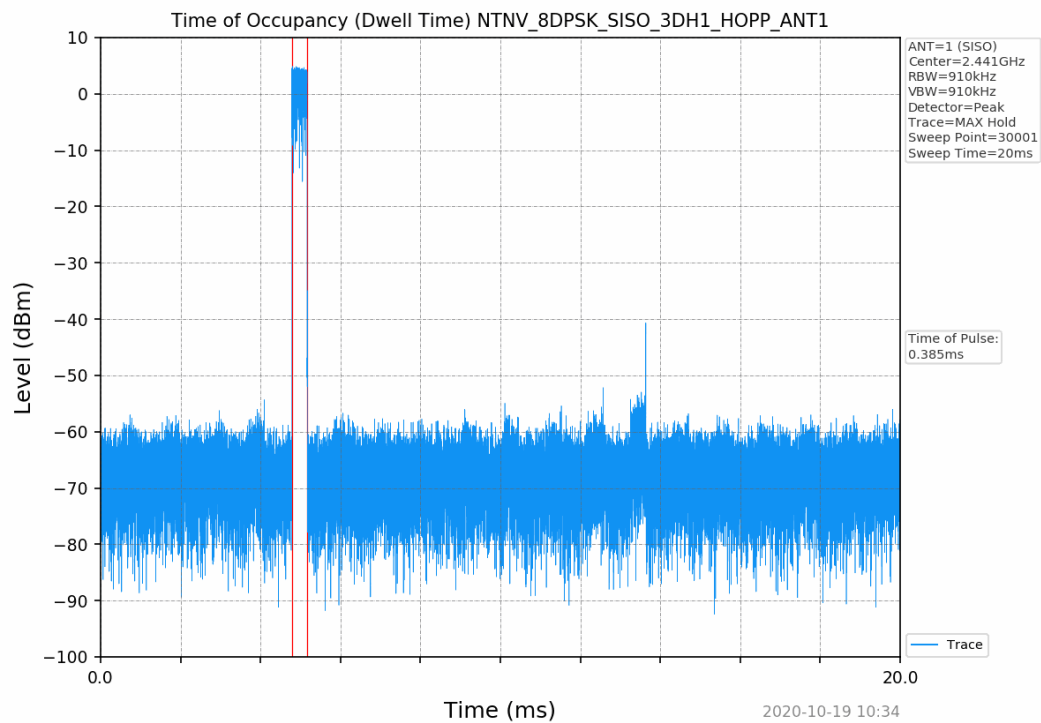
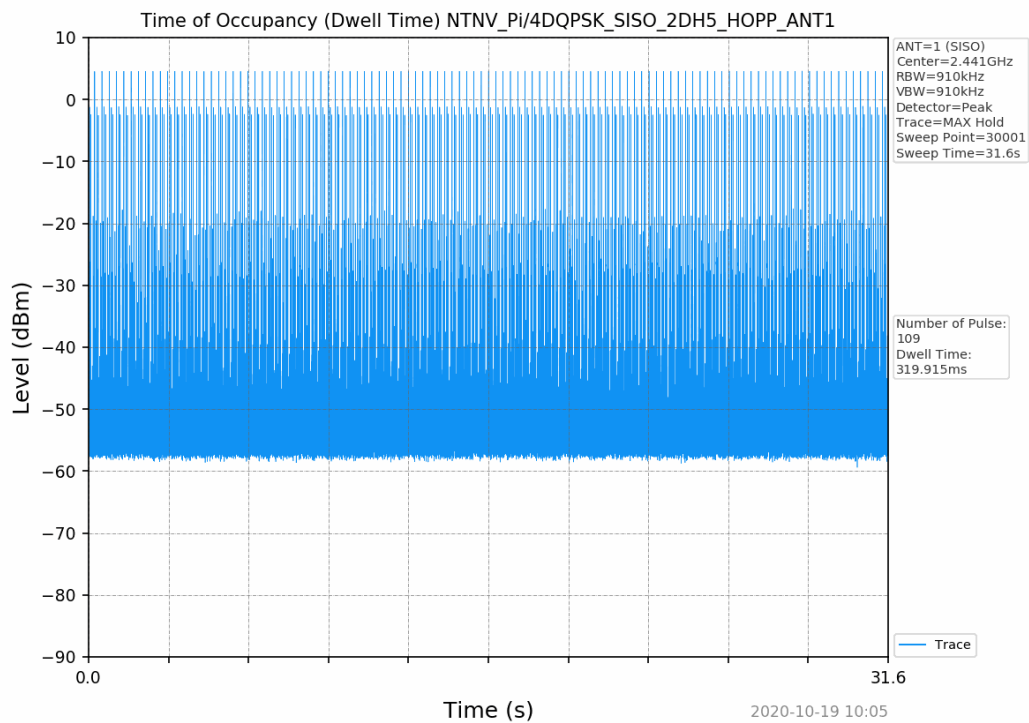


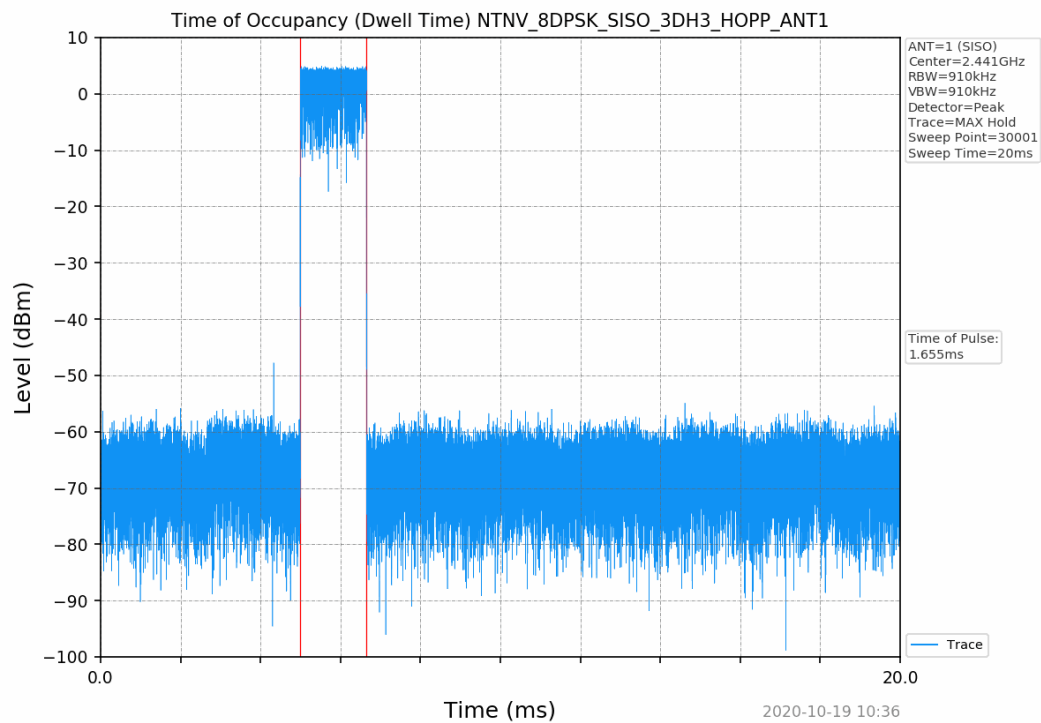
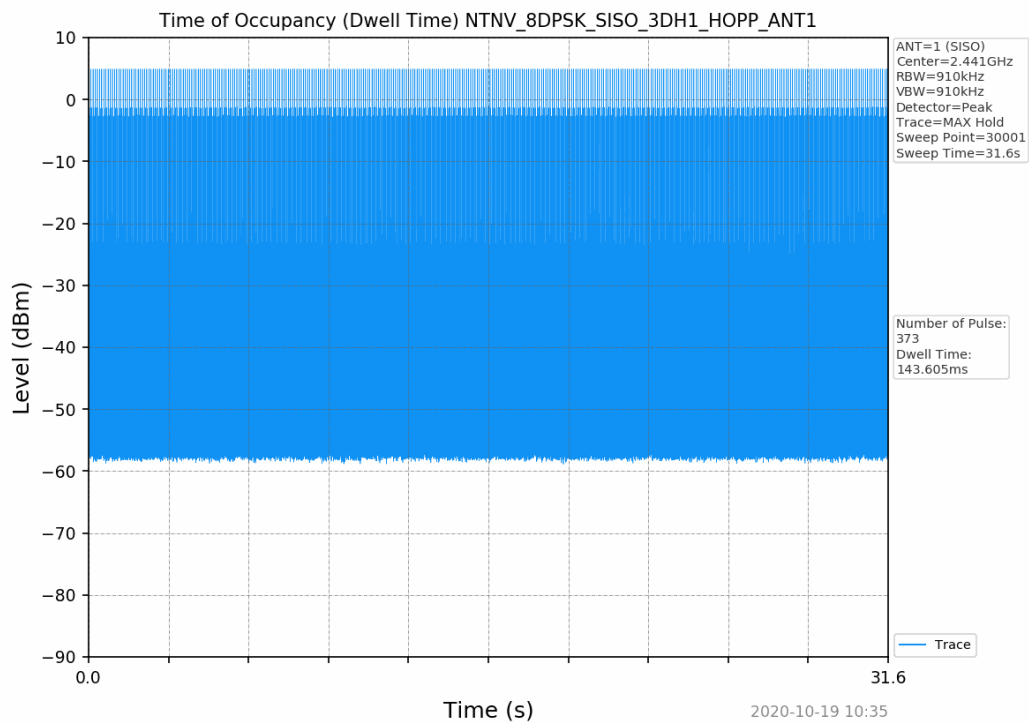


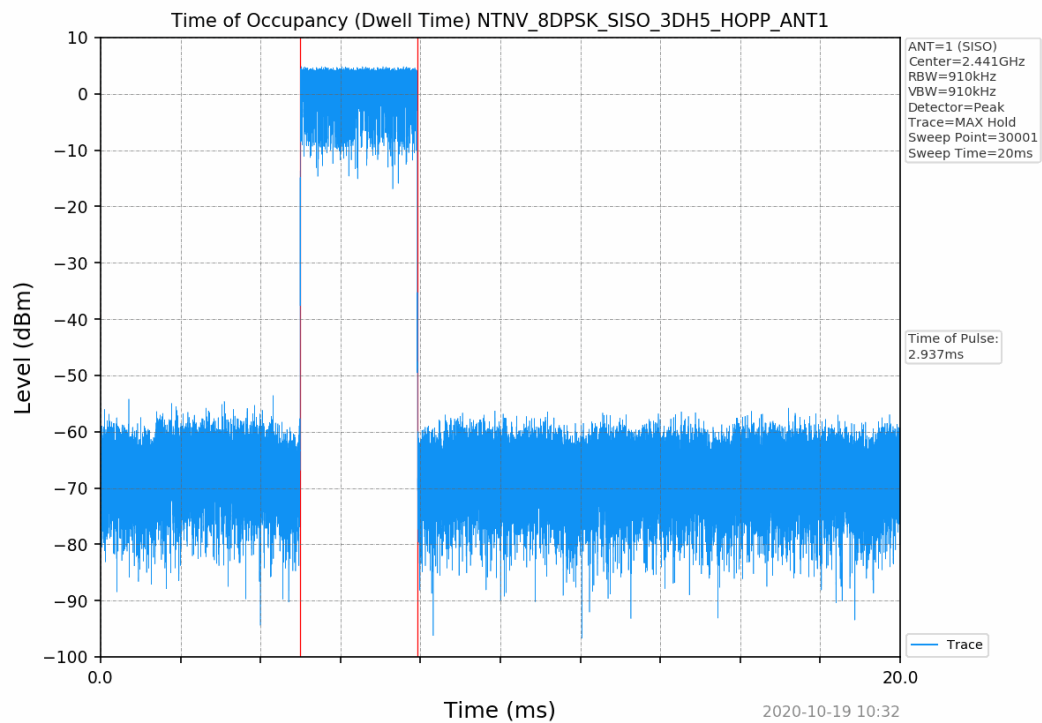
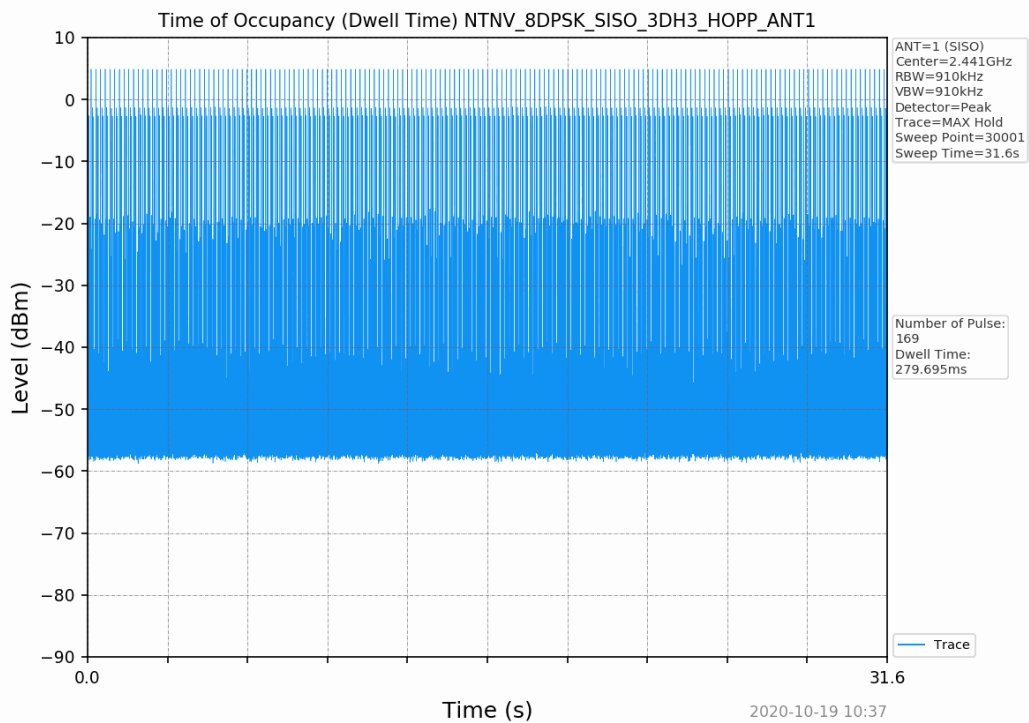


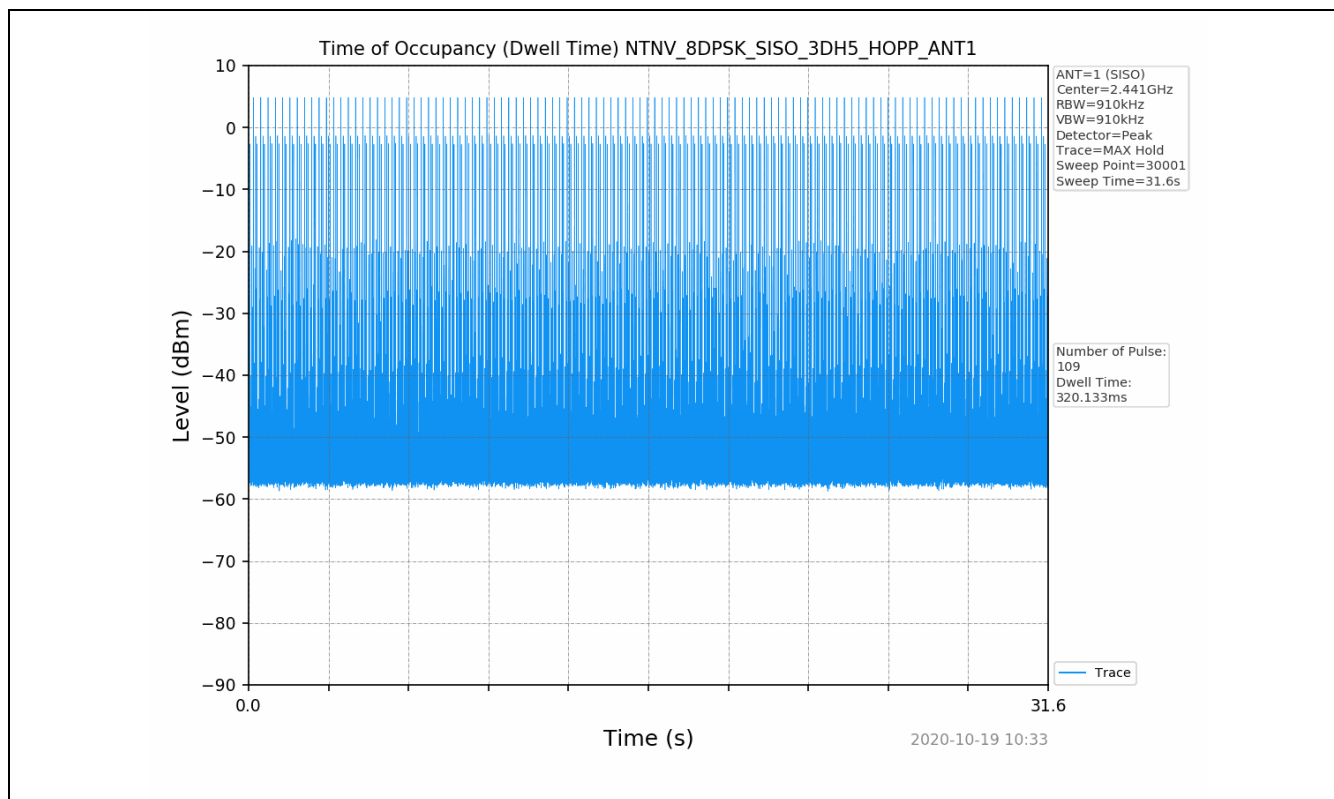










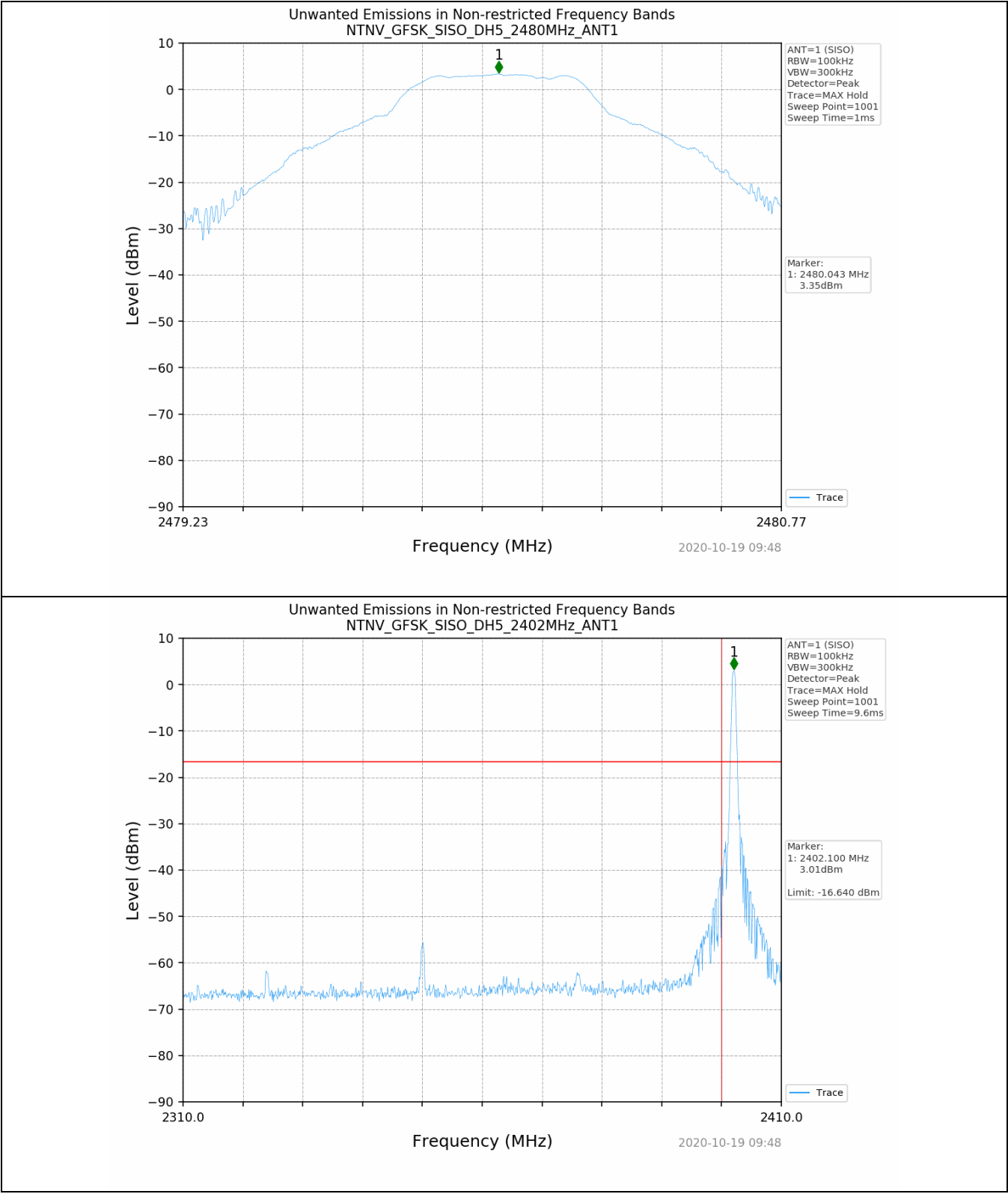


6. Unwanted Emissions in Non-restricted Frequency Bands

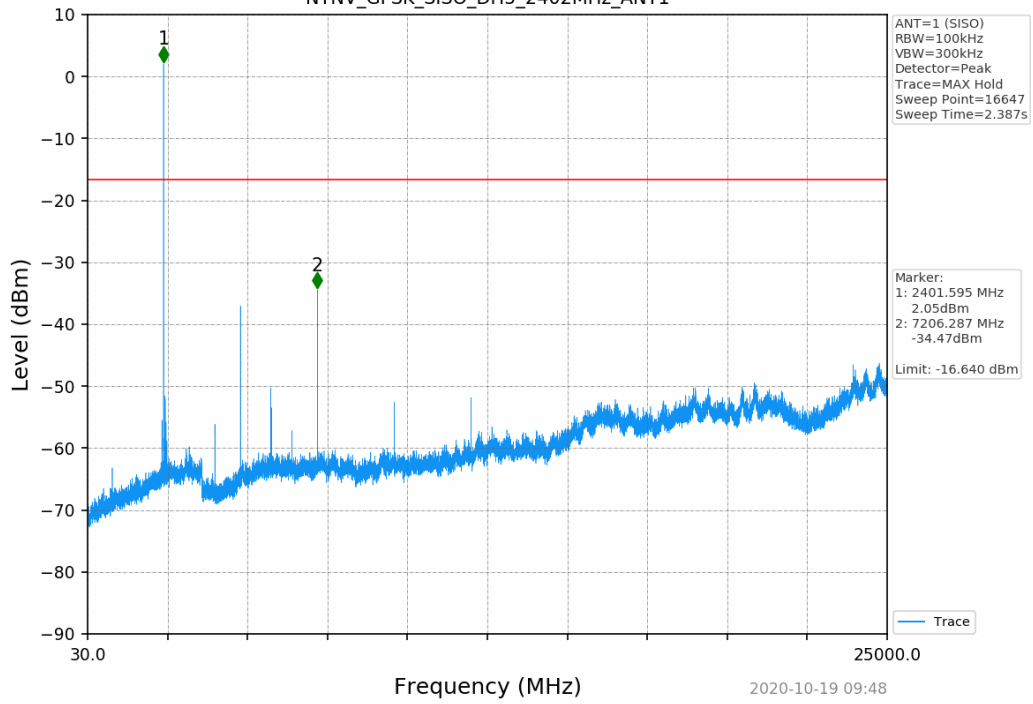
6.1 Test Result

Test Mode	Frequency (MHz)	TX Type	ANT No.	Spurious Conducted Emission (dBm)	Limits (dBm)	Verdict
GFSK	2402	SISO	1	Refer to test graph	-16.64	PASS
	2441	SISO	1	Refer to test graph	-16.64	PASS
	2480	SISO	1	Refer to test graph	-16.64	PASS
	Hopping	SISO	1	Refer to test graph	-16.64	PASS
Pi/4DQPSK	2402	SISO	1	Refer to test graph	-17.78	PASS
	2441	SISO	1	Refer to test graph	-17.78	PASS
	2480	SISO	1	Refer to test graph	-17.78	PASS
	Hopping	SISO	1	Refer to test graph	-17.78	PASS
8DPSK	2402	SISO	1	Refer to test graph	-17.82	PASS
	2441	SISO	1	Refer to test graph	-17.82	PASS
	2480	SISO	1	Refer to test graph	-17.82	PASS
	Hopping	SISO	1	Refer to test graph	-17.82	PASS

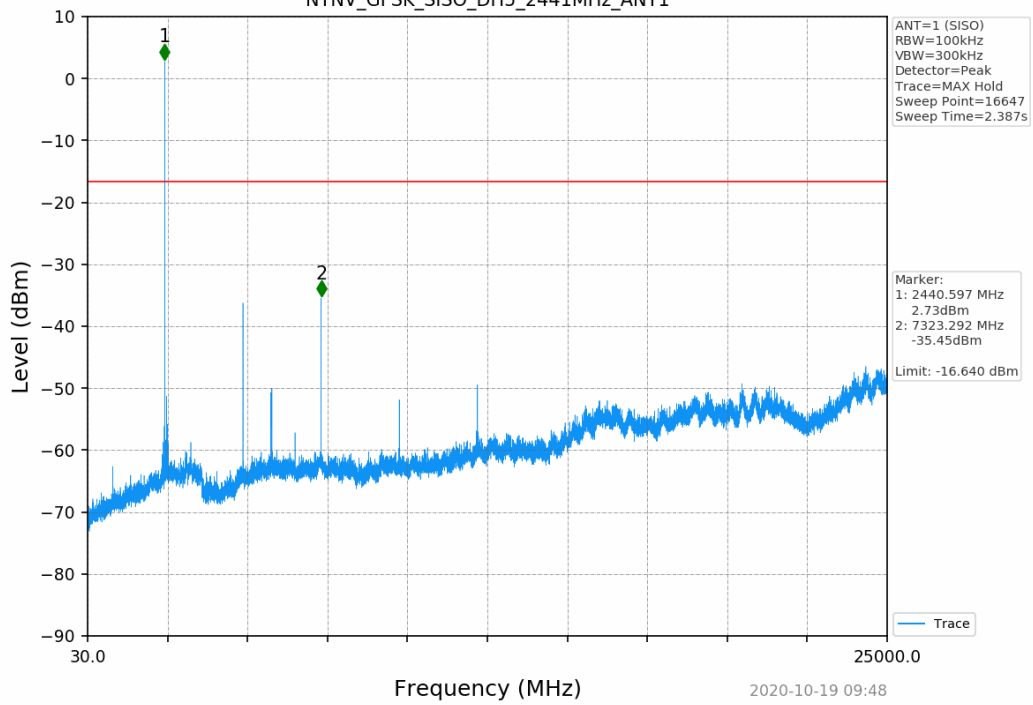
6.2 Test Graph

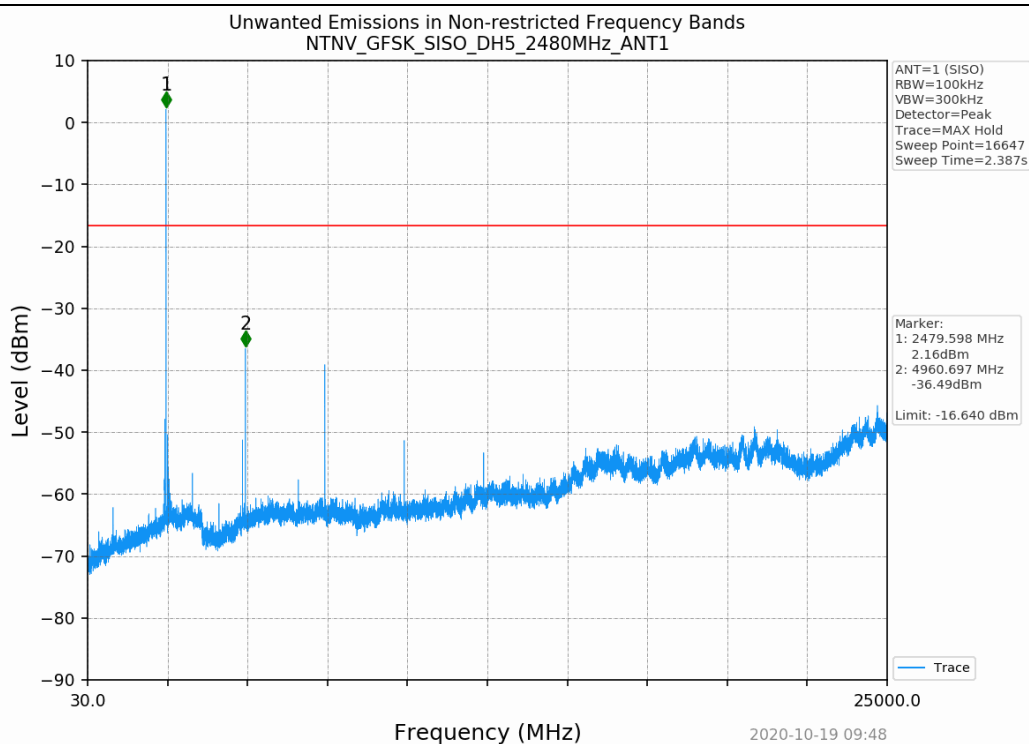
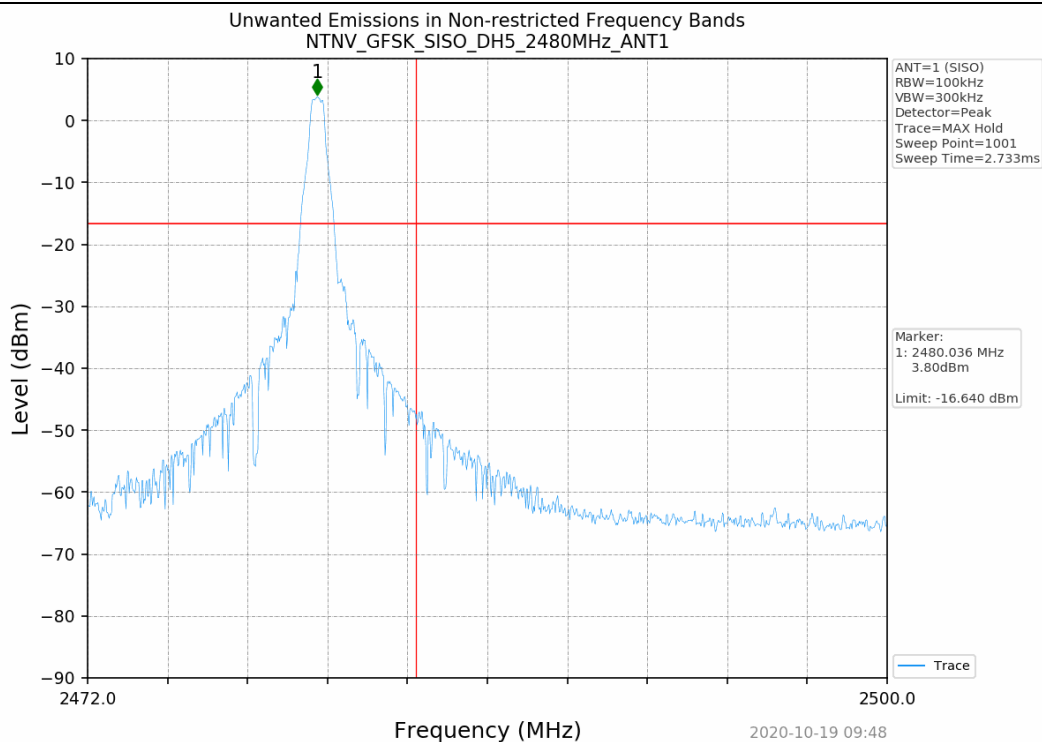


Unwanted Emissions in Non-restricted Frequency Bands
NTNV_GFSK_SISO_DH5_2402MHz_ANT1

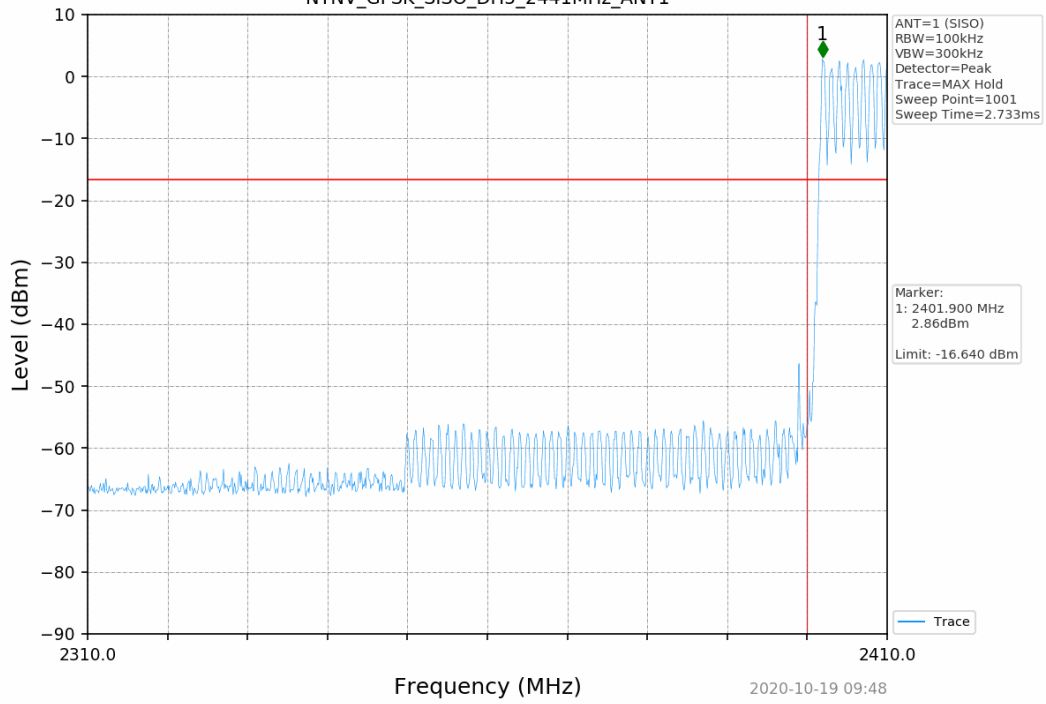


Unwanted Emissions in Non-restricted Frequency Bands
NTNV_GFSK_SISO_DH5_2441MHz_ANT1

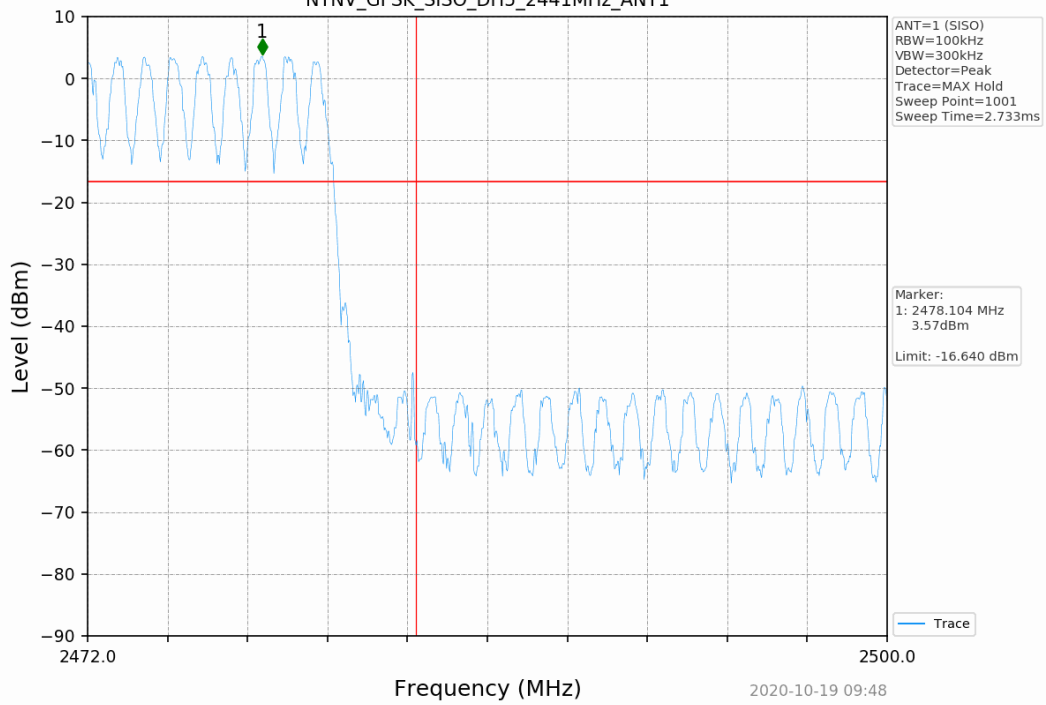


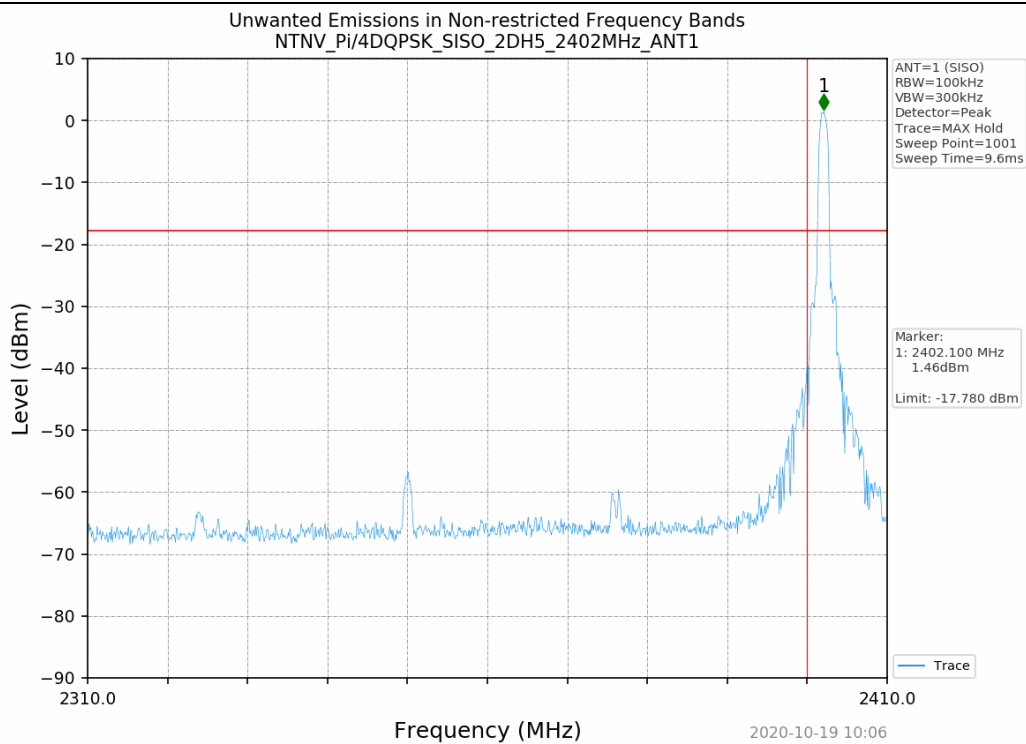
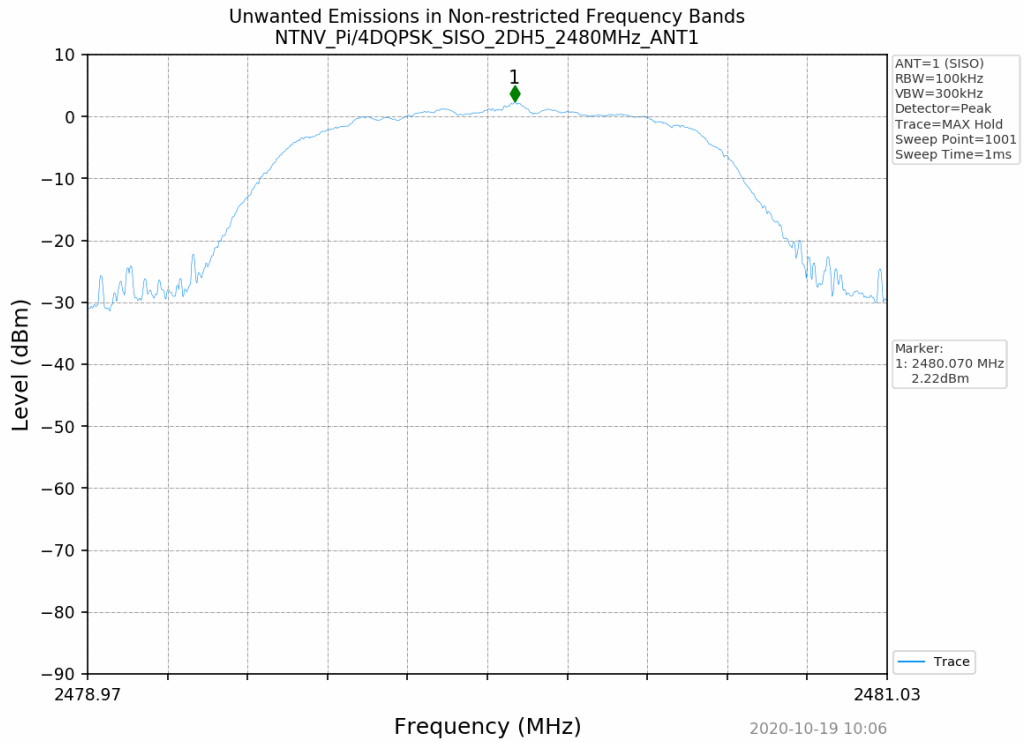


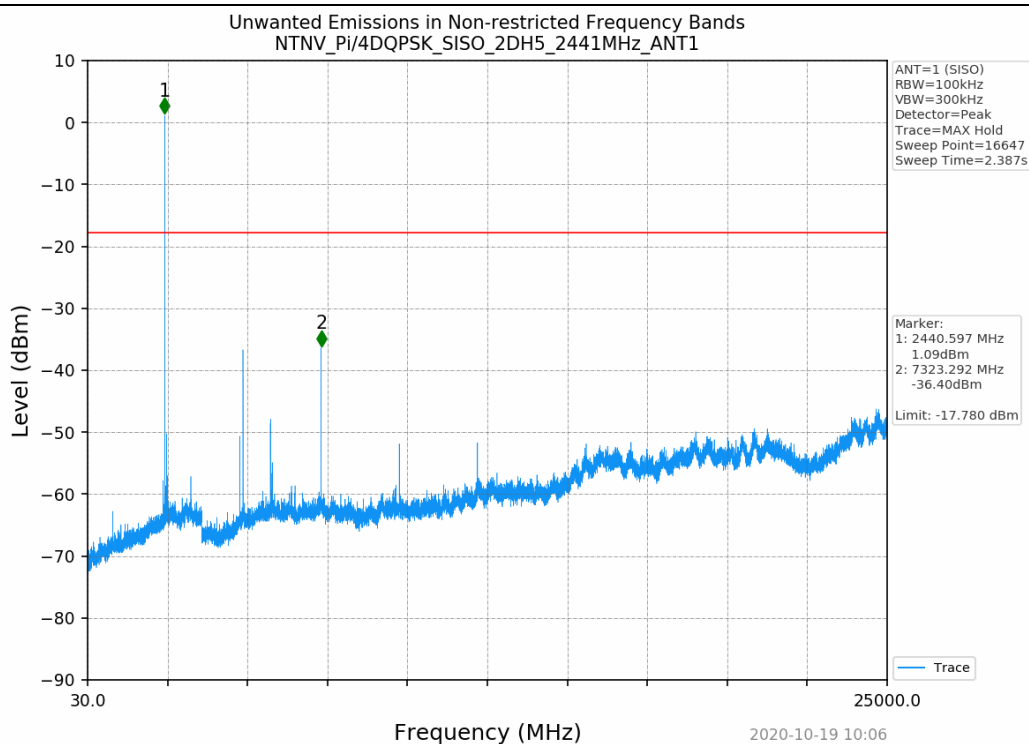
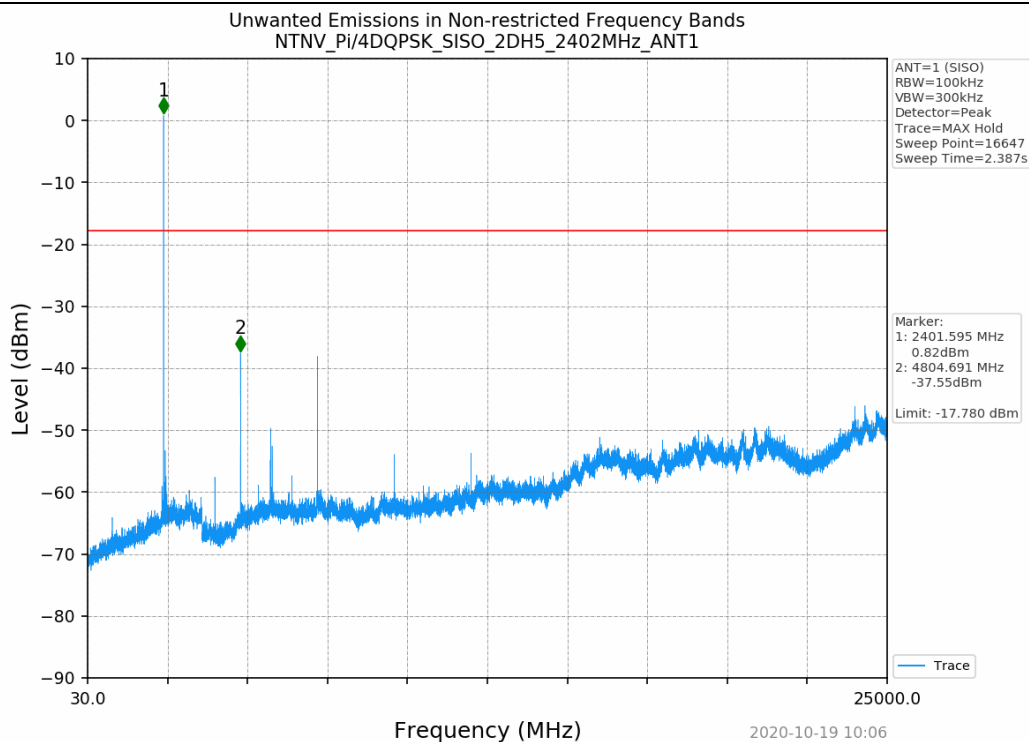
Unwanted Emissions in Non-restricted Frequency Bands
NTNV_GFSK_SISO_DH5_2441MHz_ANT1

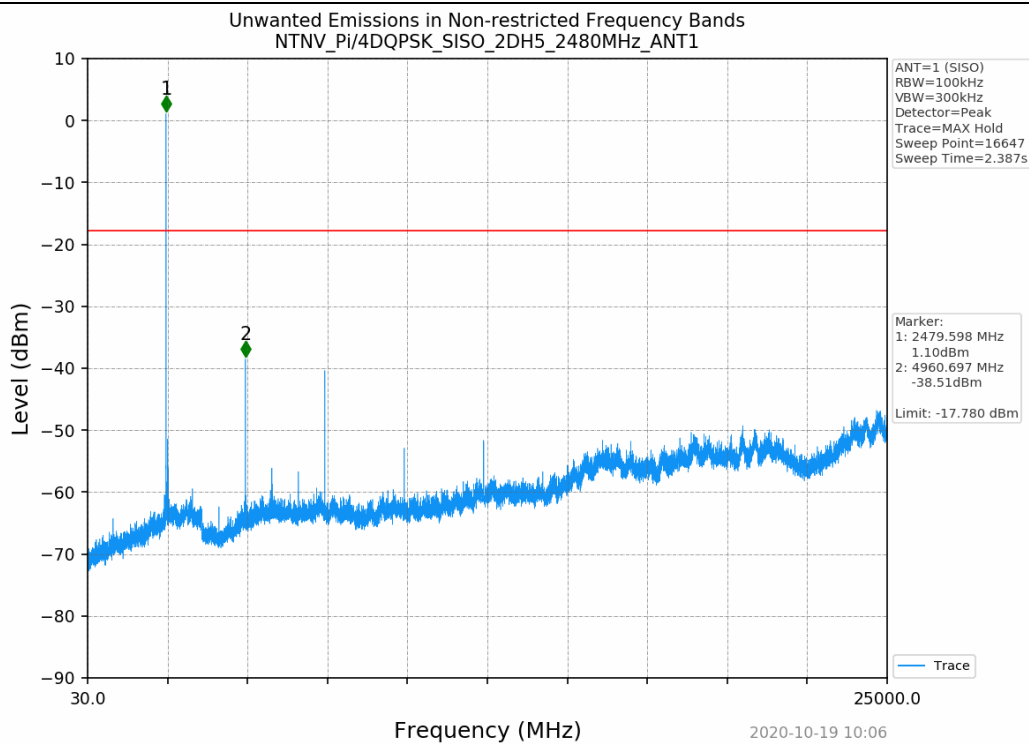
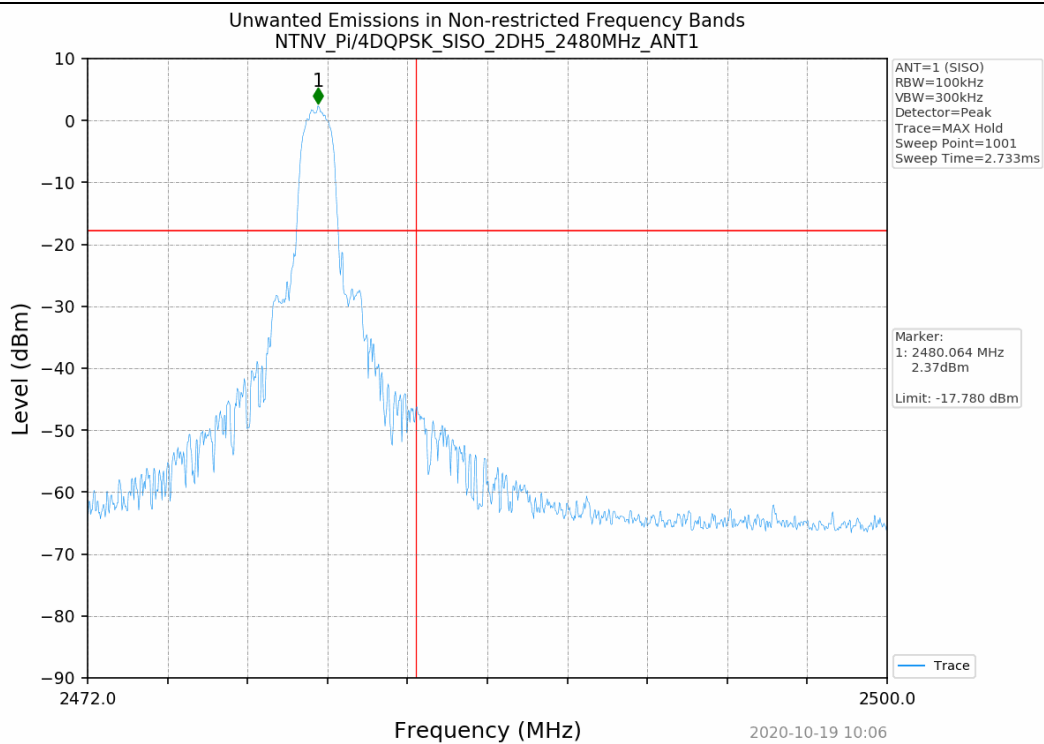


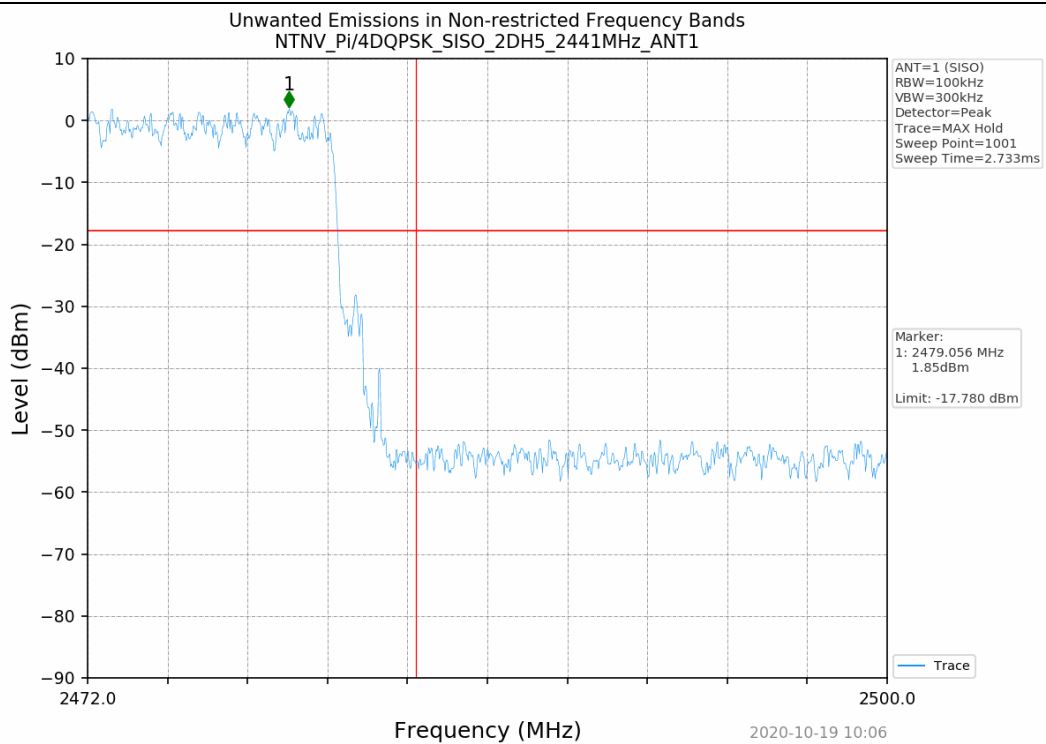
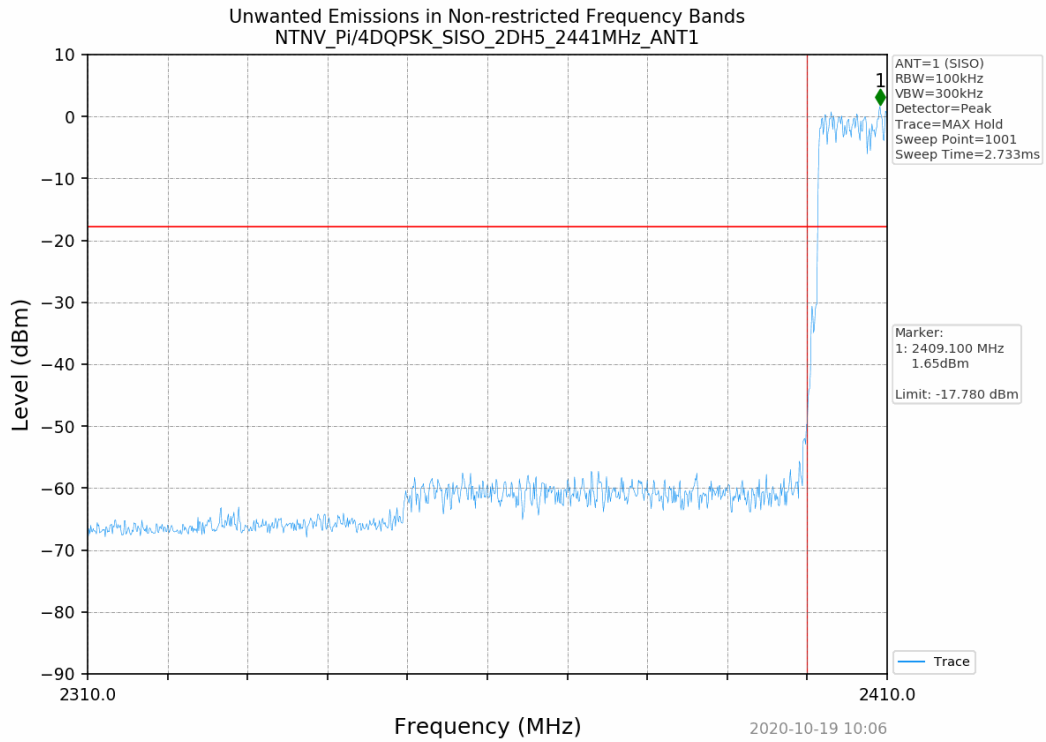
Unwanted Emissions in Non-restricted Frequency Bands
NTNV_GFSK_SISO_DH5_2441MHz_ANT1

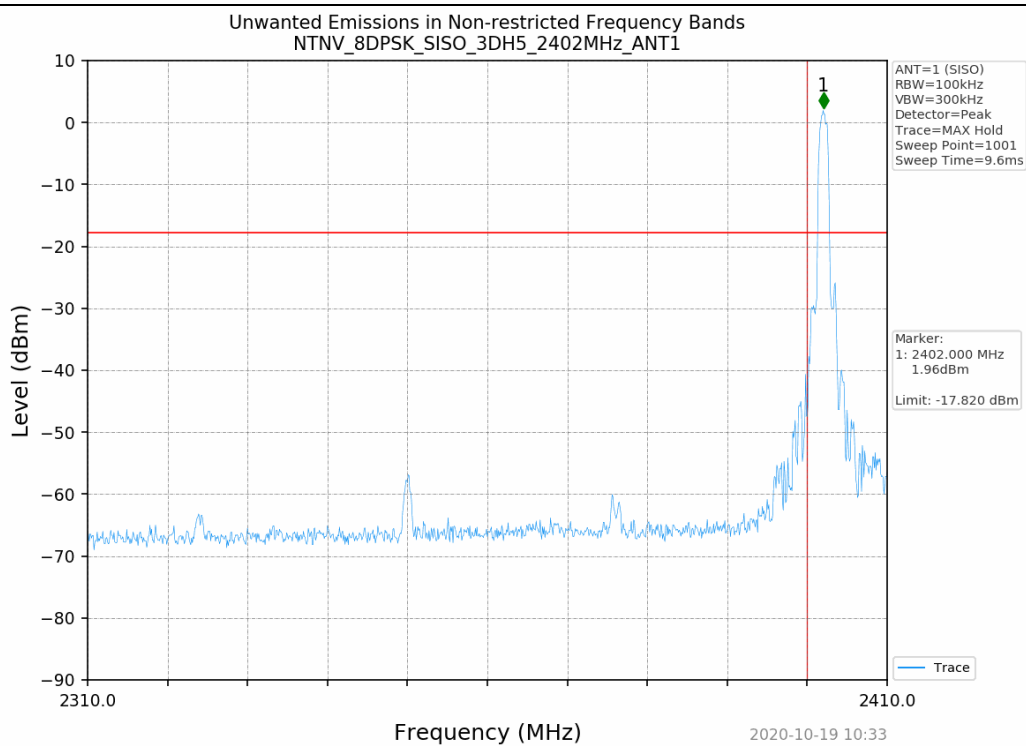
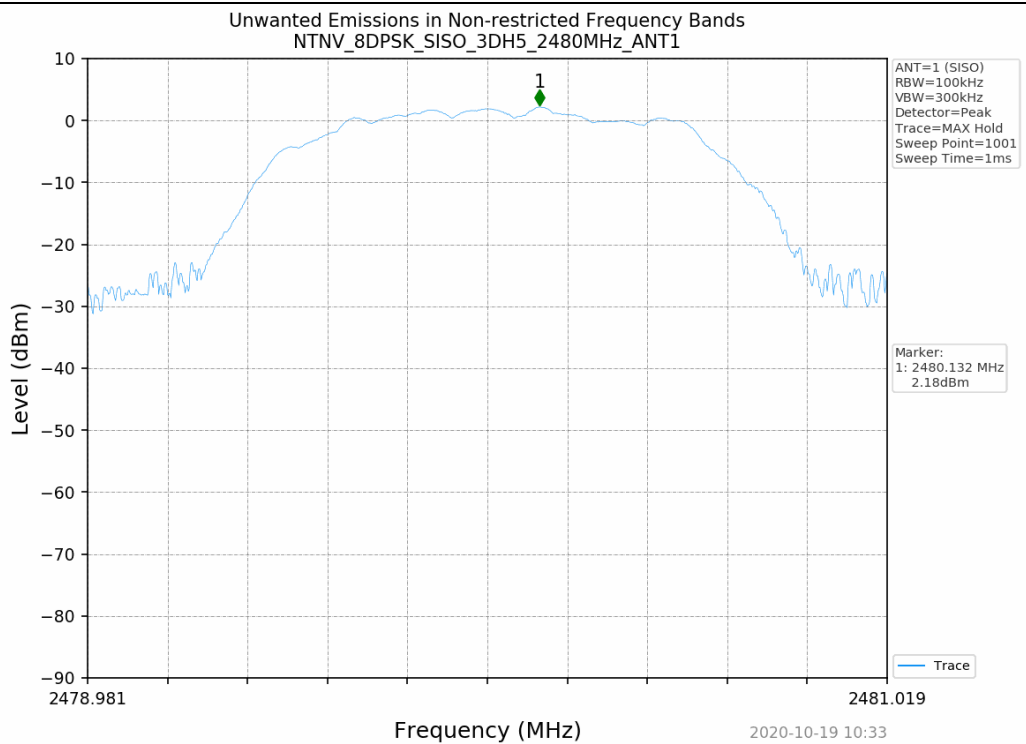




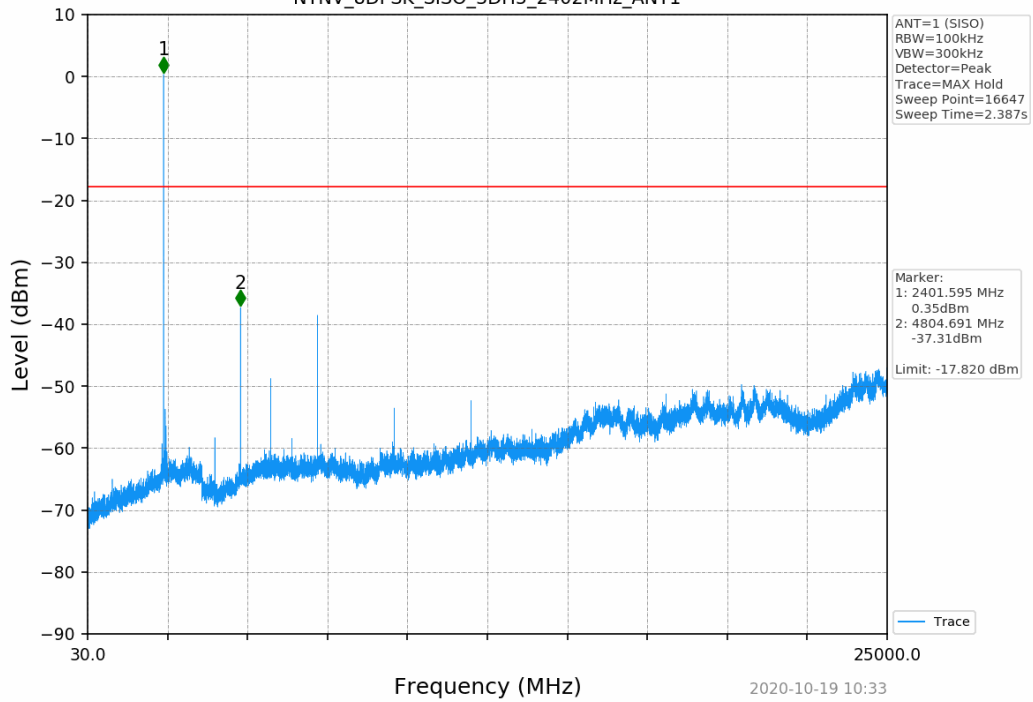




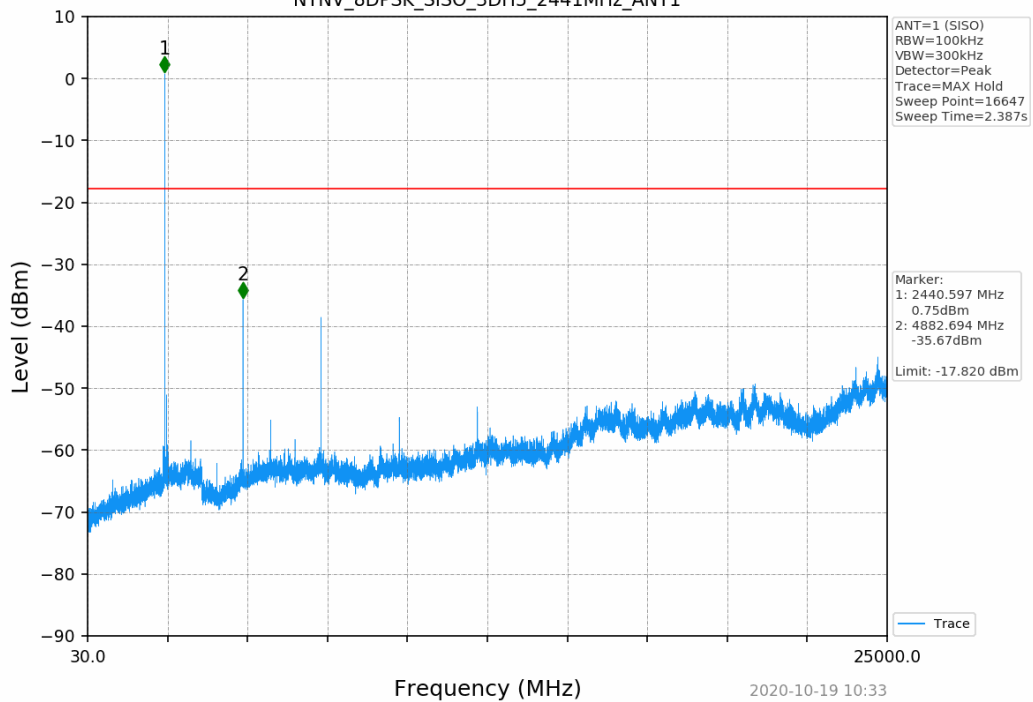


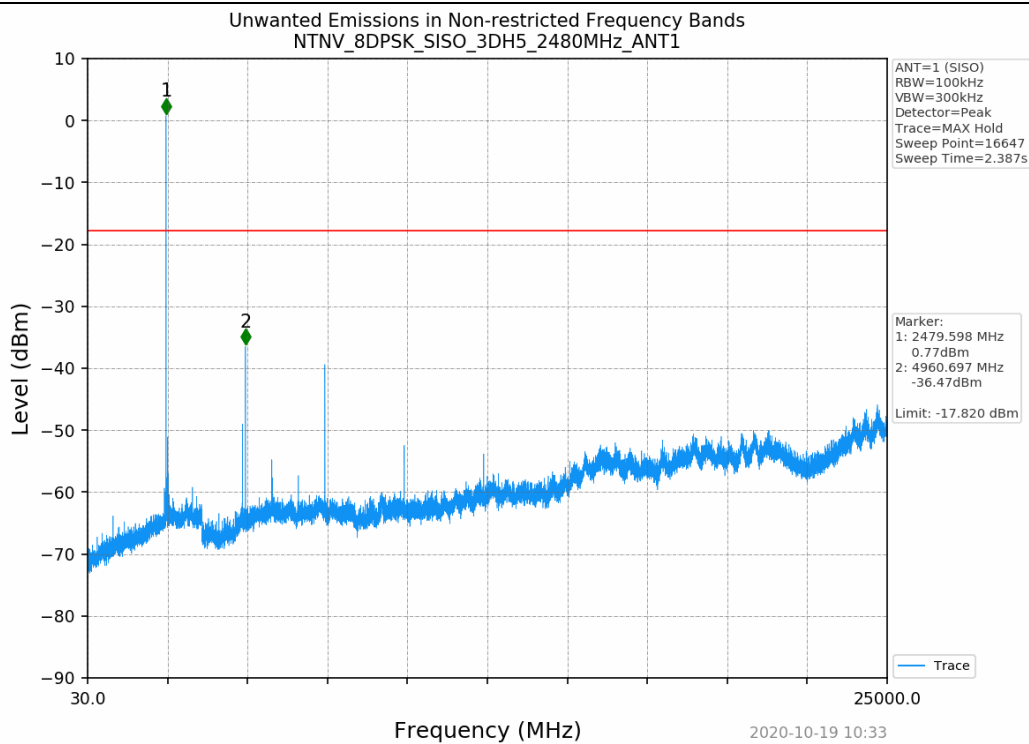
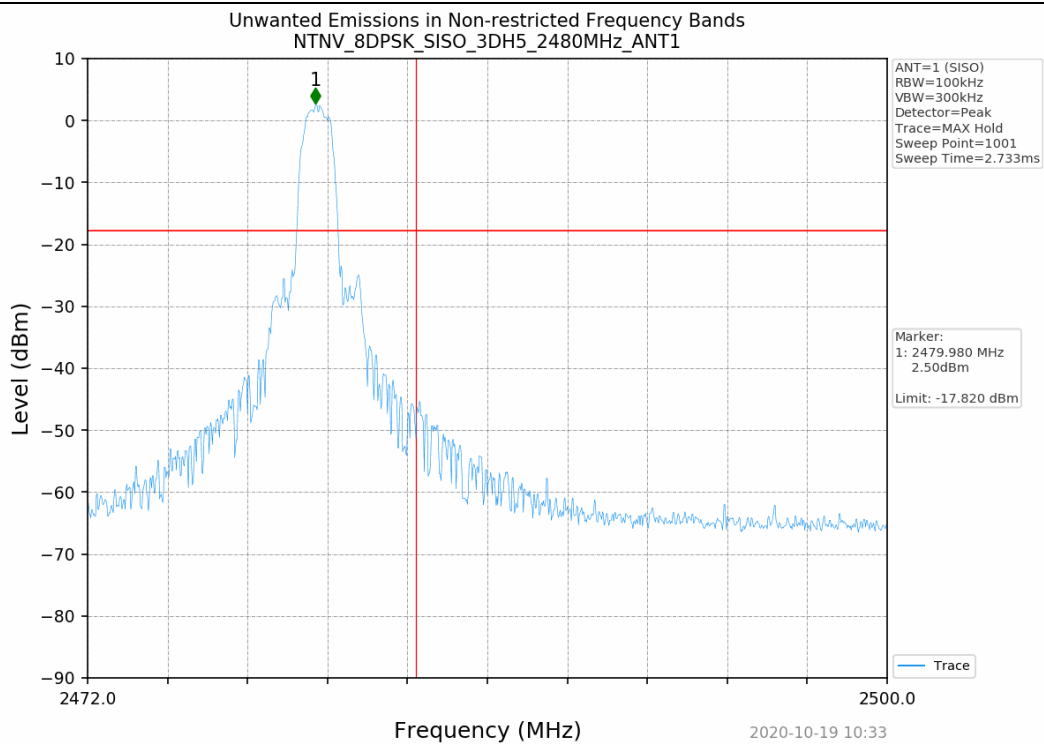


Unwanted Emissions in Non-restricted Frequency Bands
NTNV_8DPSK_SISO_3DH5_2402MHz_ANT1

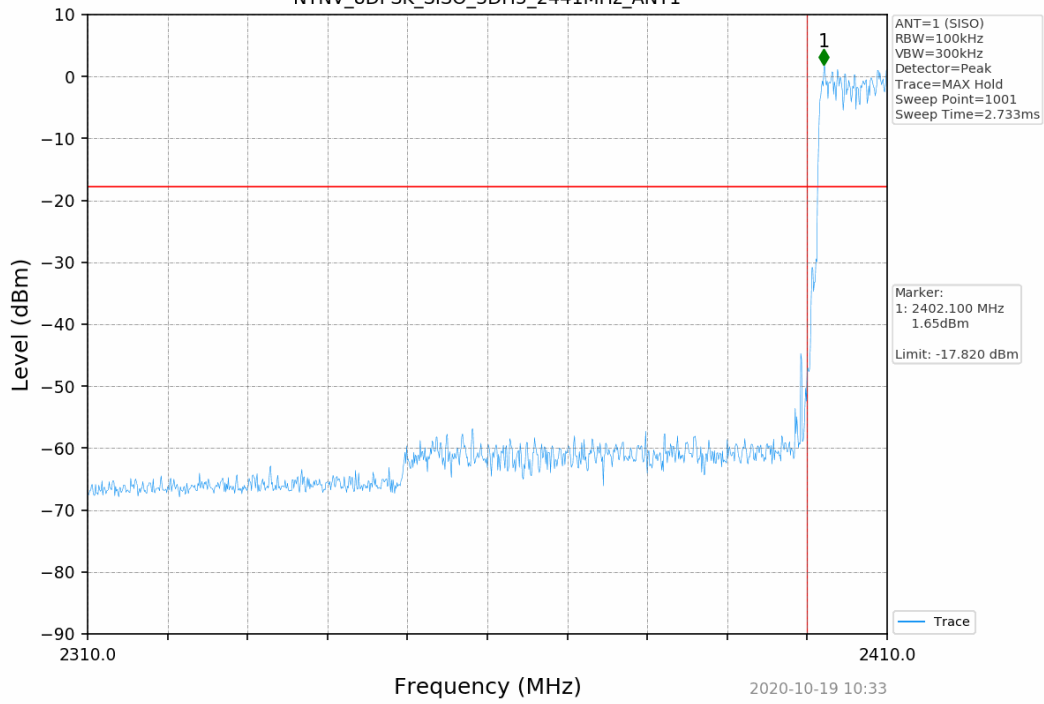


Unwanted Emissions in Non-restricted Frequency Bands
NTNV_8DPSK_SISO_3DH5_2441MHz_ANT1





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

