

Appendix for 15.247

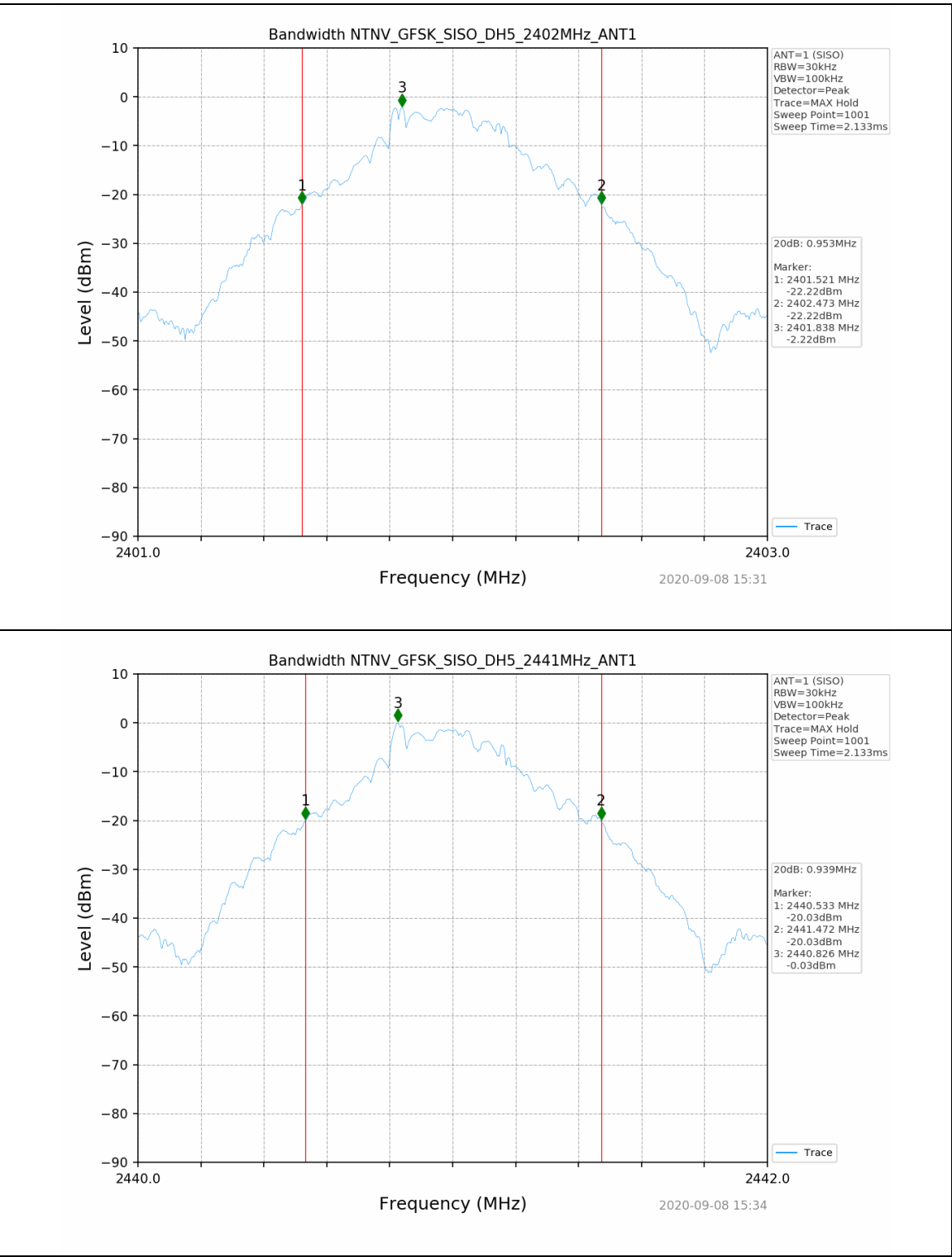
1. Bandwidth

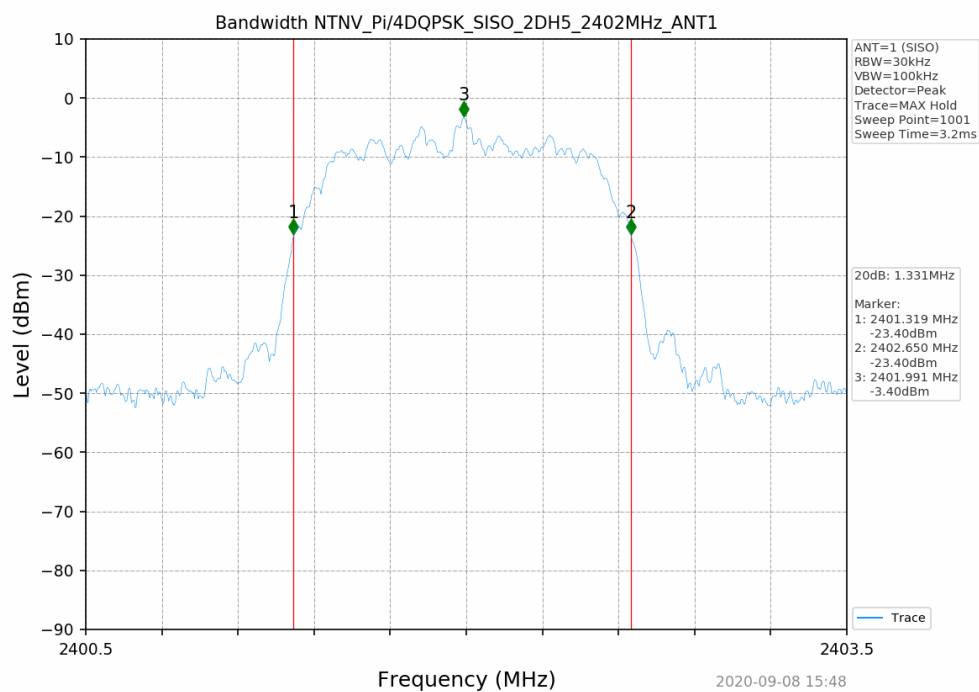
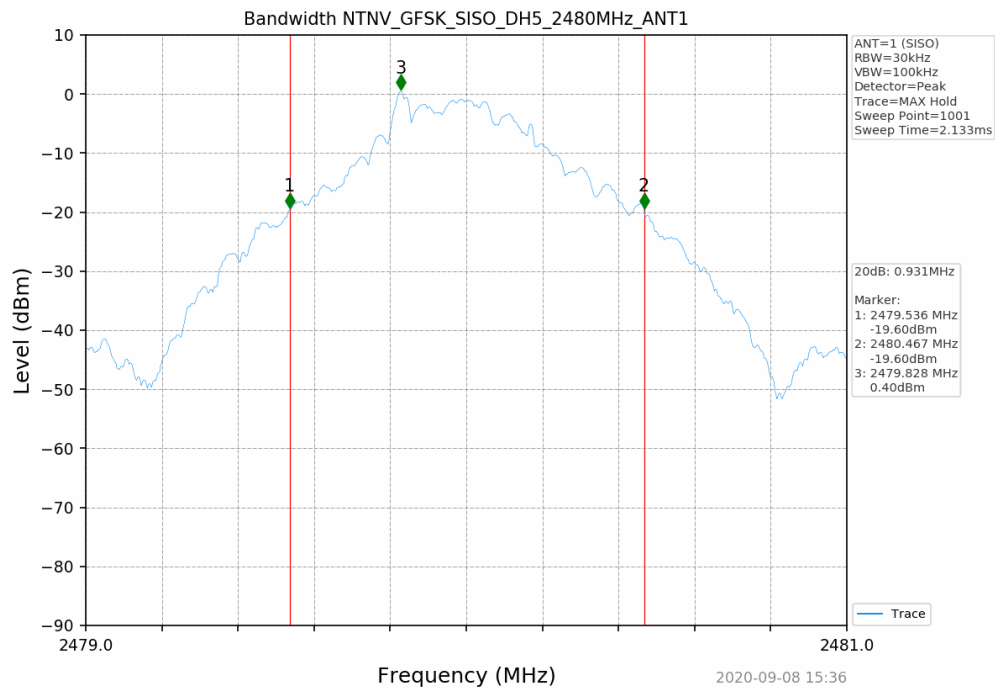
1.1 Test Result

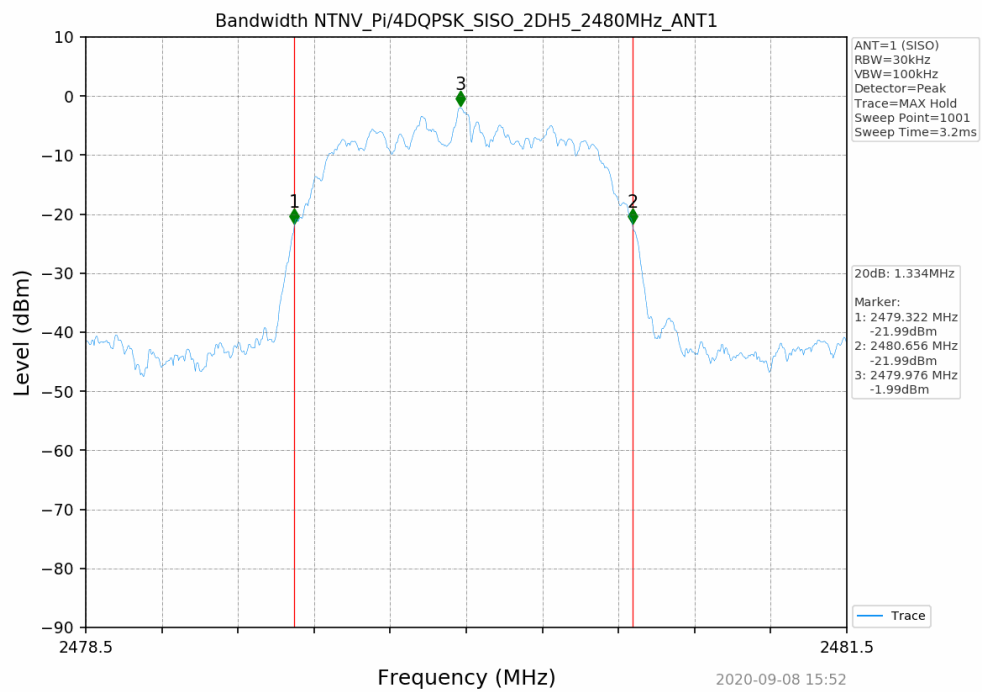
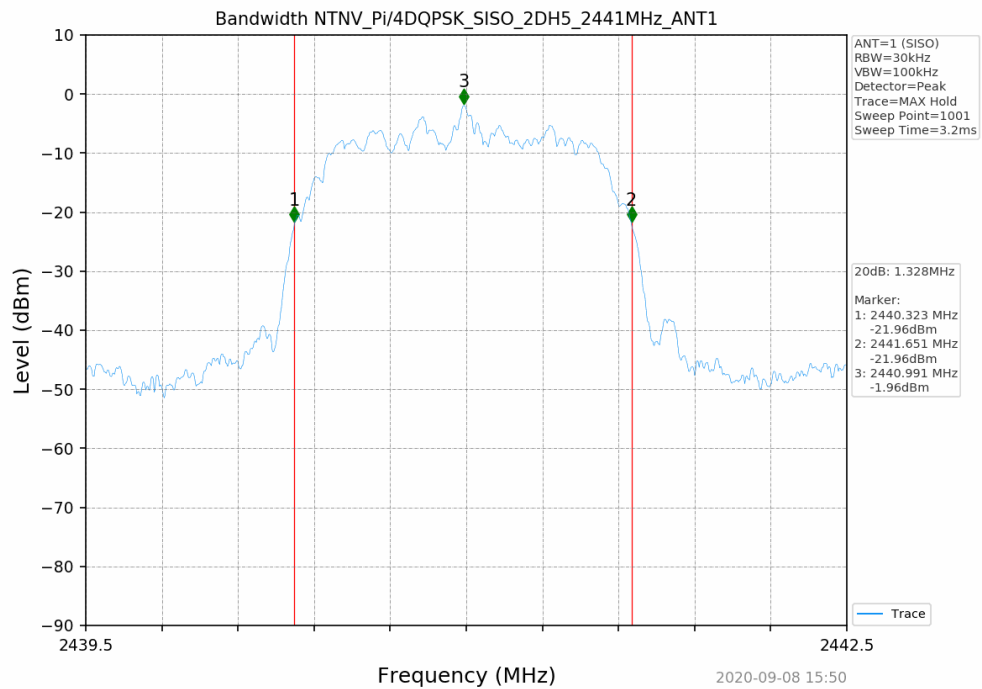
Test Mode	Frequency (MHz)	TX Type	ANT No.	20dB Bandwidth	Verdict
				Test Result (MHz)	
GFSK	2402	SISO	1	0.953	PASS
	2441	SISO	1	0.939	PASS
	2480	SISO	1	0.931	PASS
Pi/4DQPSK	2402	SISO	1	1.331	PASS
	2441	SISO	1	1.328	PASS
	2480	SISO	1	1.334	PASS
8DPSK	2402	SISO	1	1.290	PASS
	2441	SISO	1	1.286	PASS
	2480	SISO	1	1.313	PASS

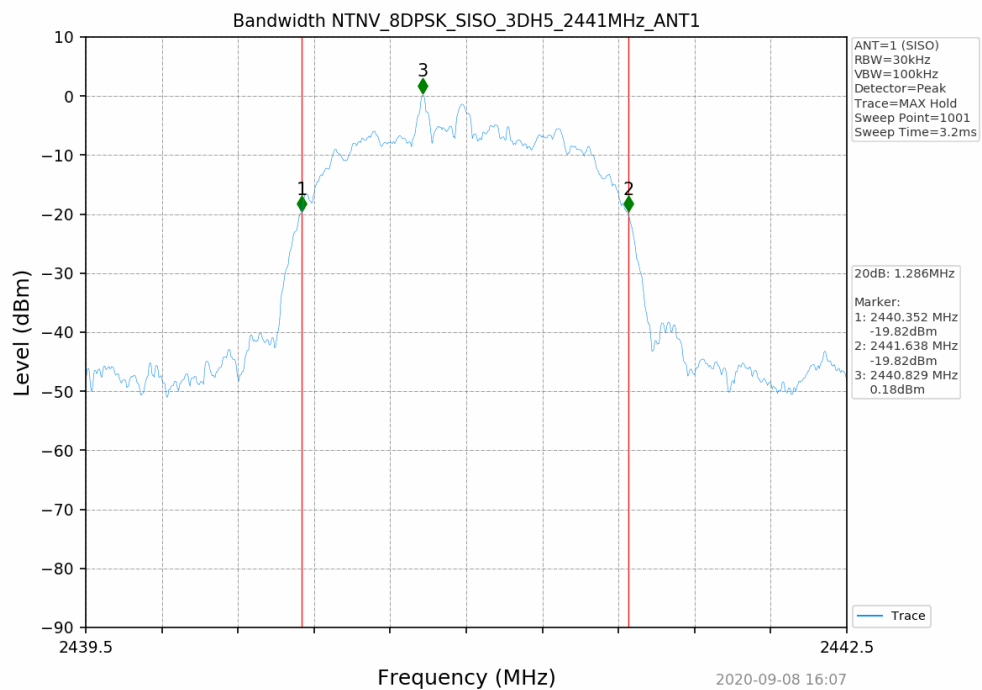
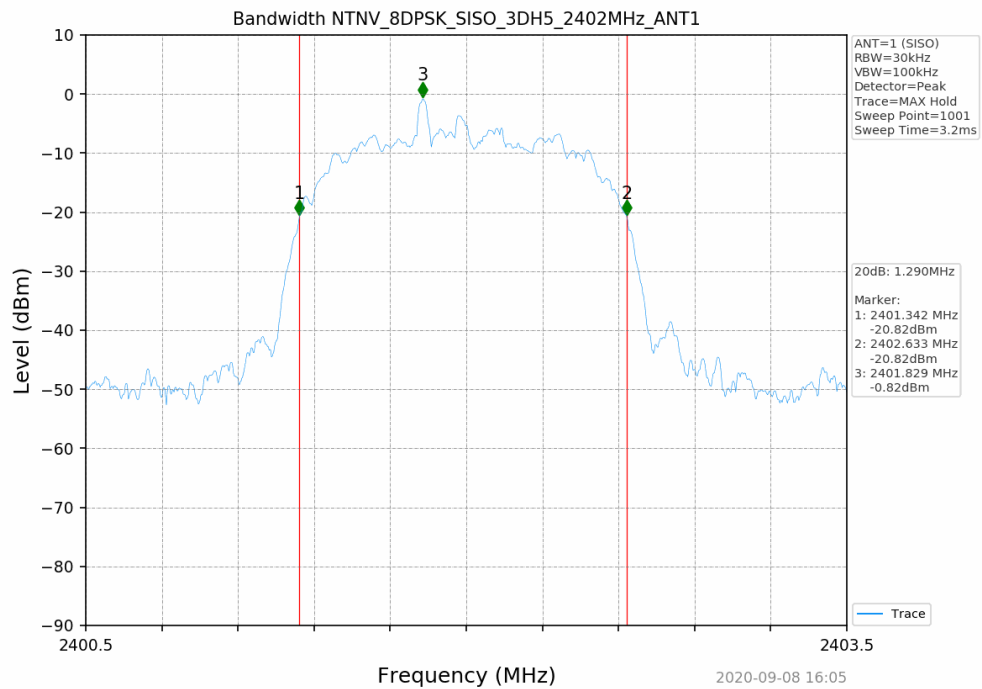
Test Mode	Frequency (MHz)	TX Type	ANT No.	99% Occupied Bandwidth	
				Test Result (MHz)	
GFSK	2402	SISO	1	0.872	Only for Report Use
	2441	SISO	1	0.859	Only for Report Use
	2480	SISO	1	0.858	Only for Report Use
Pi/4DQPSK	2402	SISO	1	1.185	Only for Report Use
	2441	SISO	1	1.189	Only for Report Use
	2480	SISO	1	1.192	Only for Report Use
8DPSK	2402	SISO	1	1.189	Only for Report Use
	2441	SISO	1	1.189	Only for Report Use
	2480	SISO	1	1.188	Only for Report Use

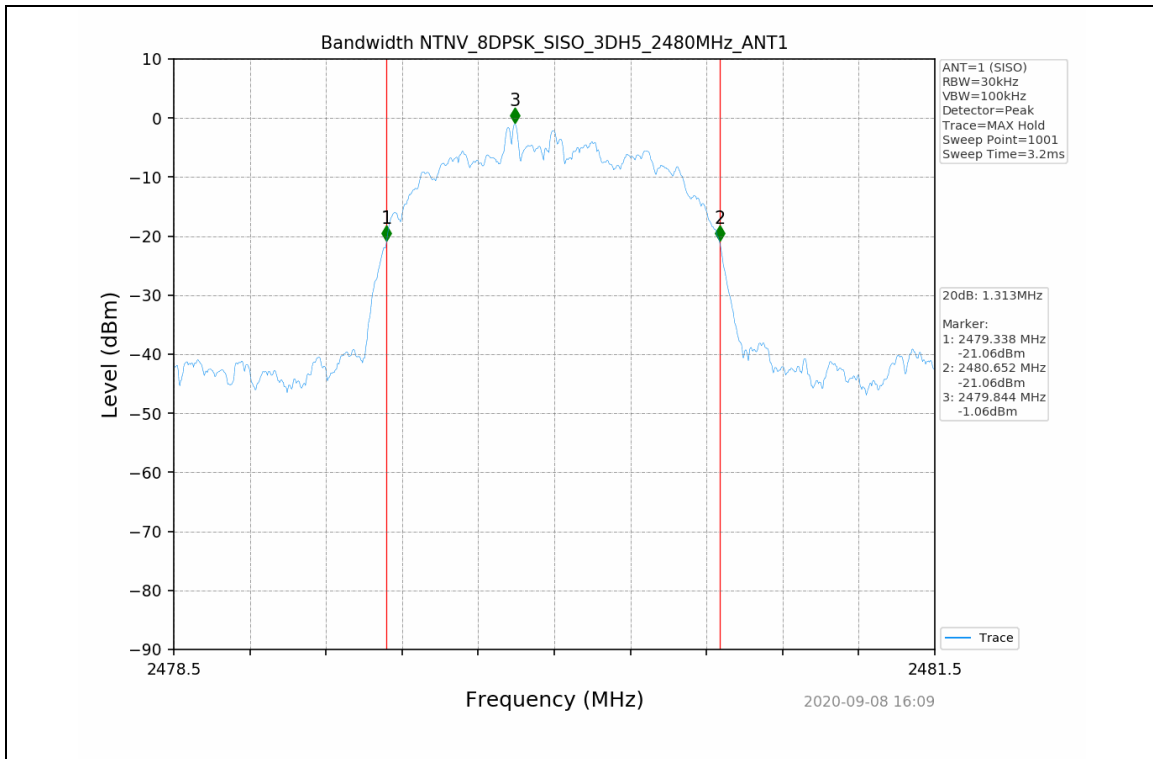
1.2 Test Graph - 20dB Bandwidth



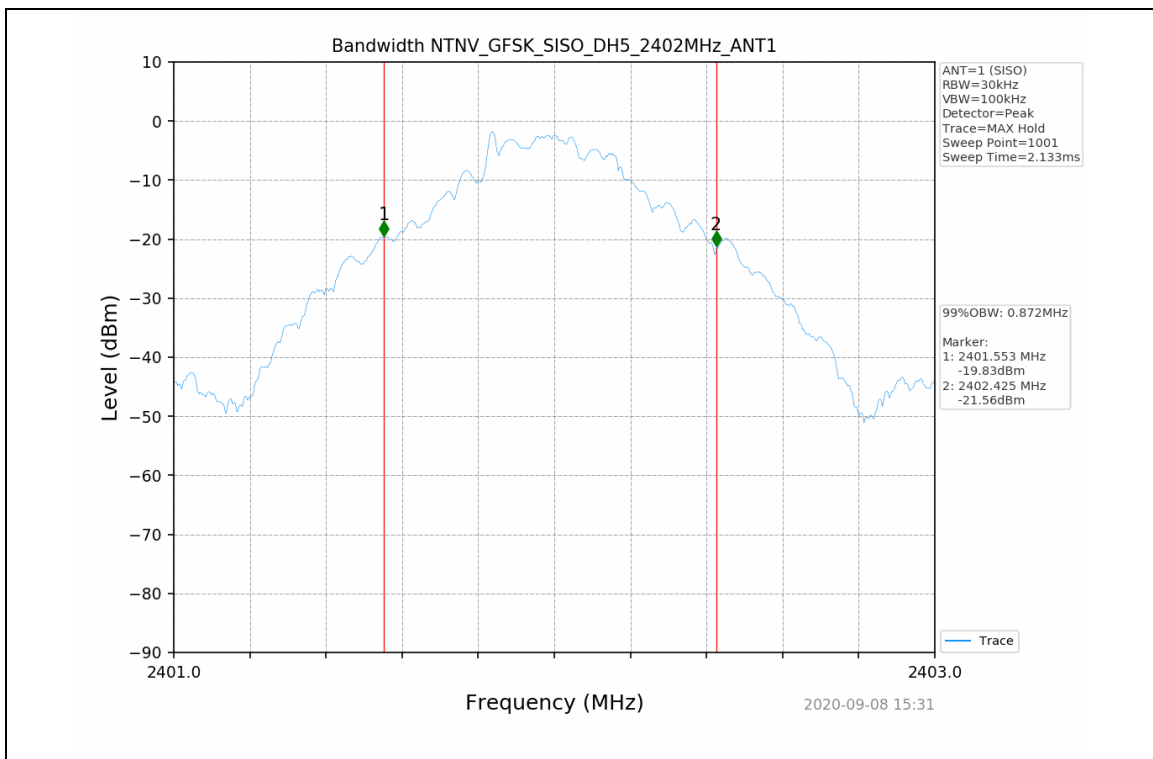


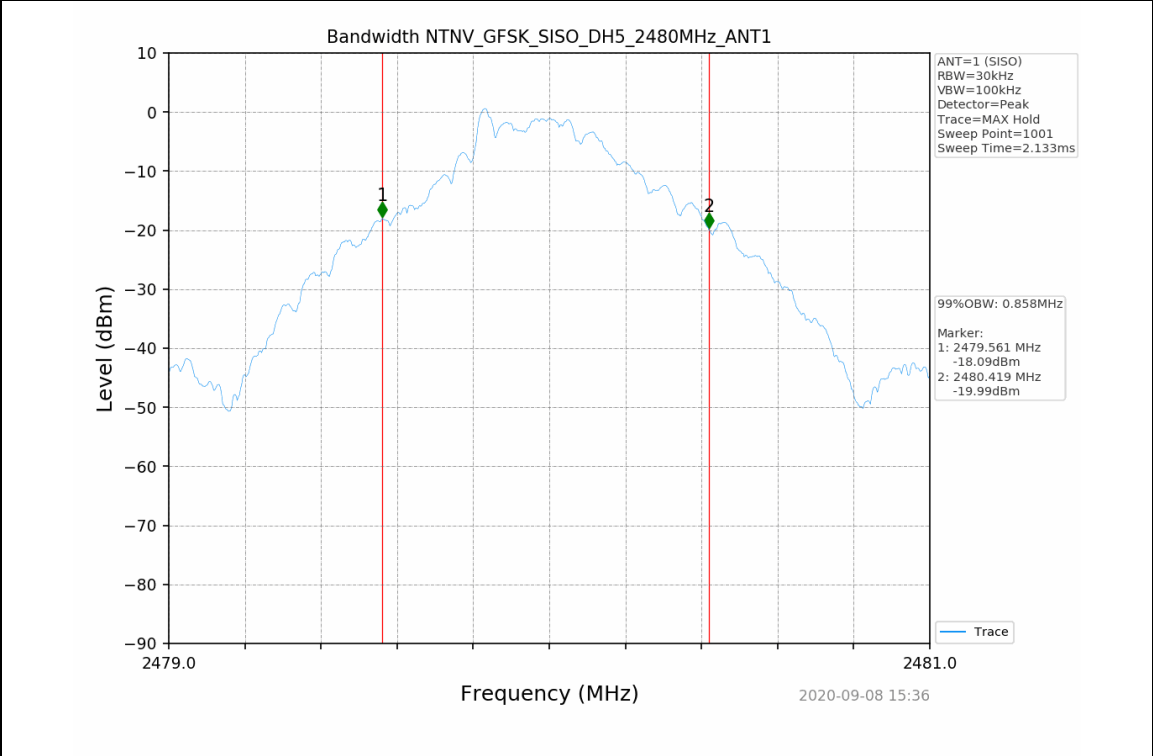
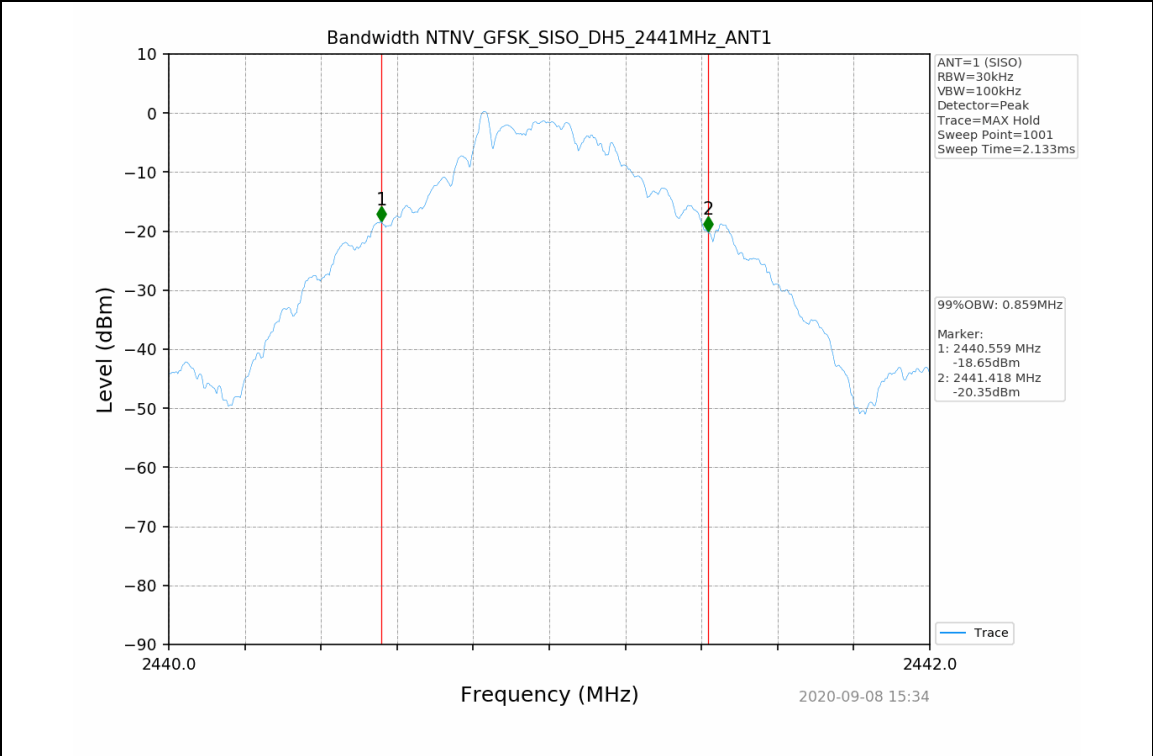


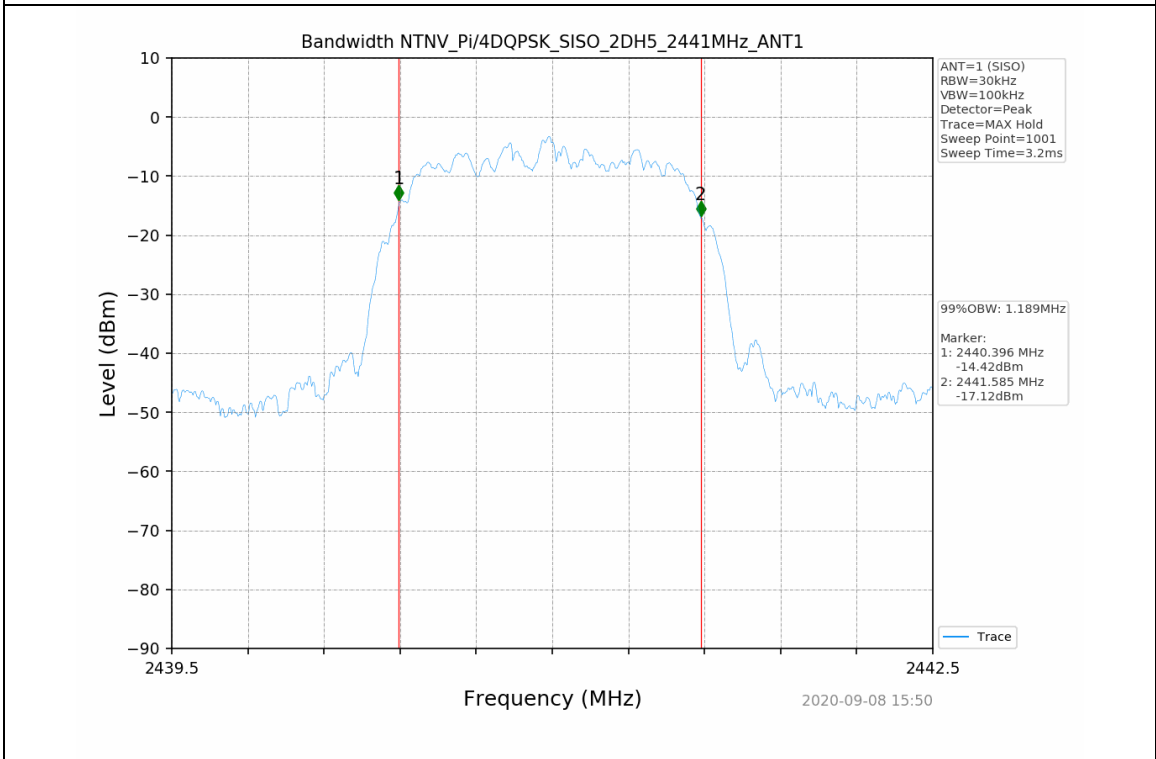
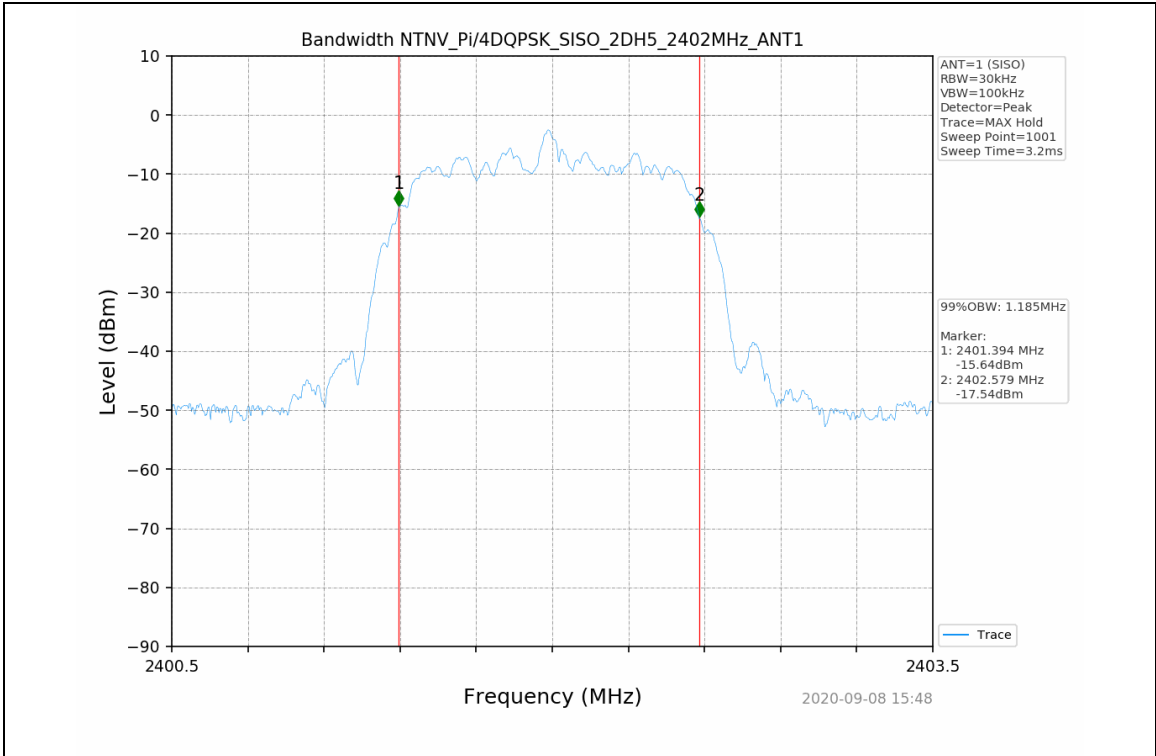


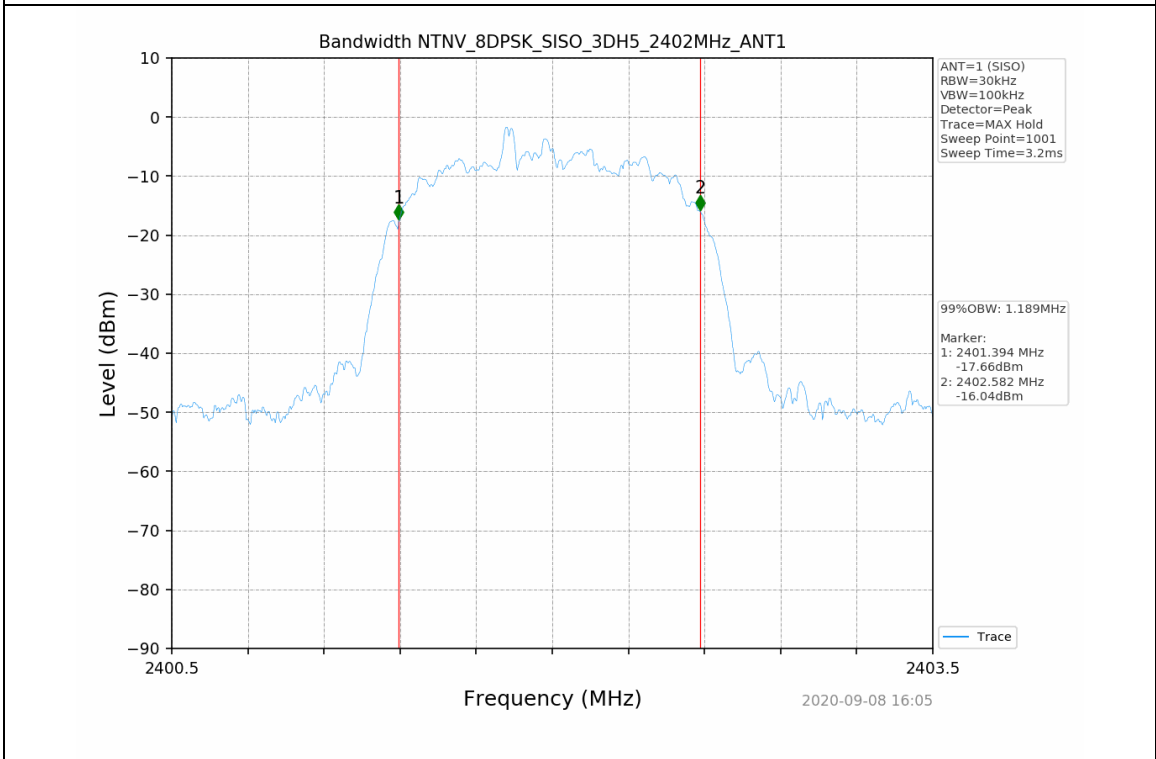
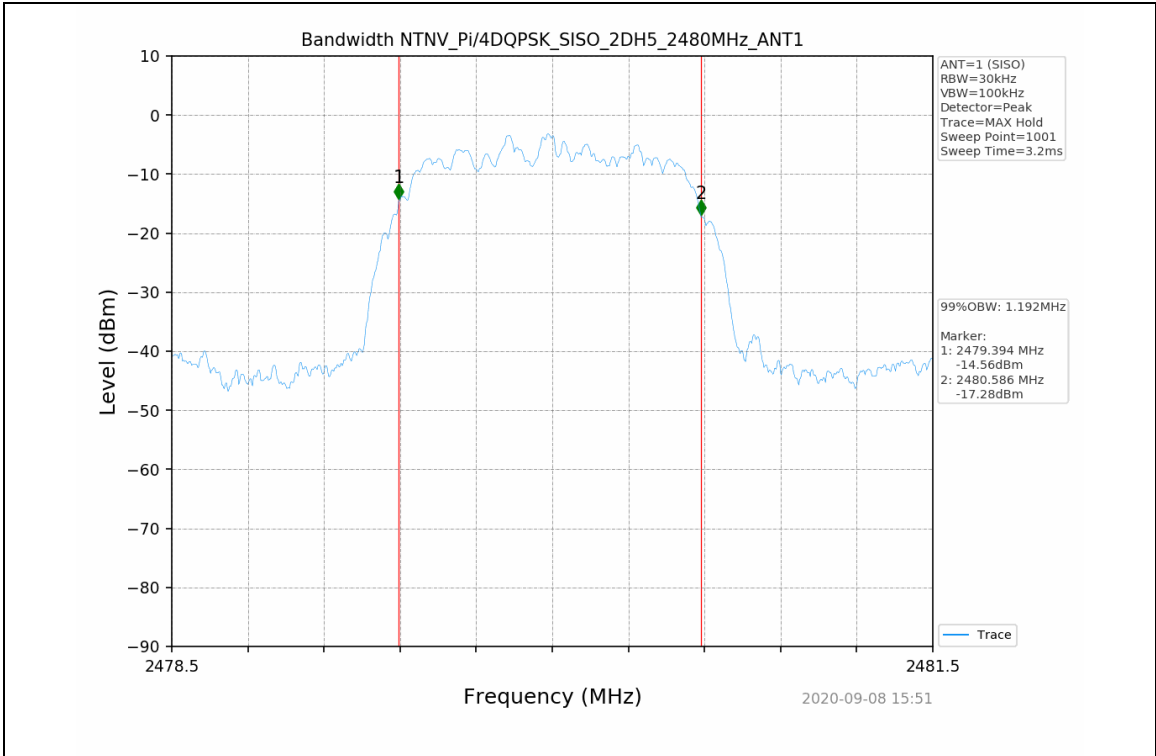


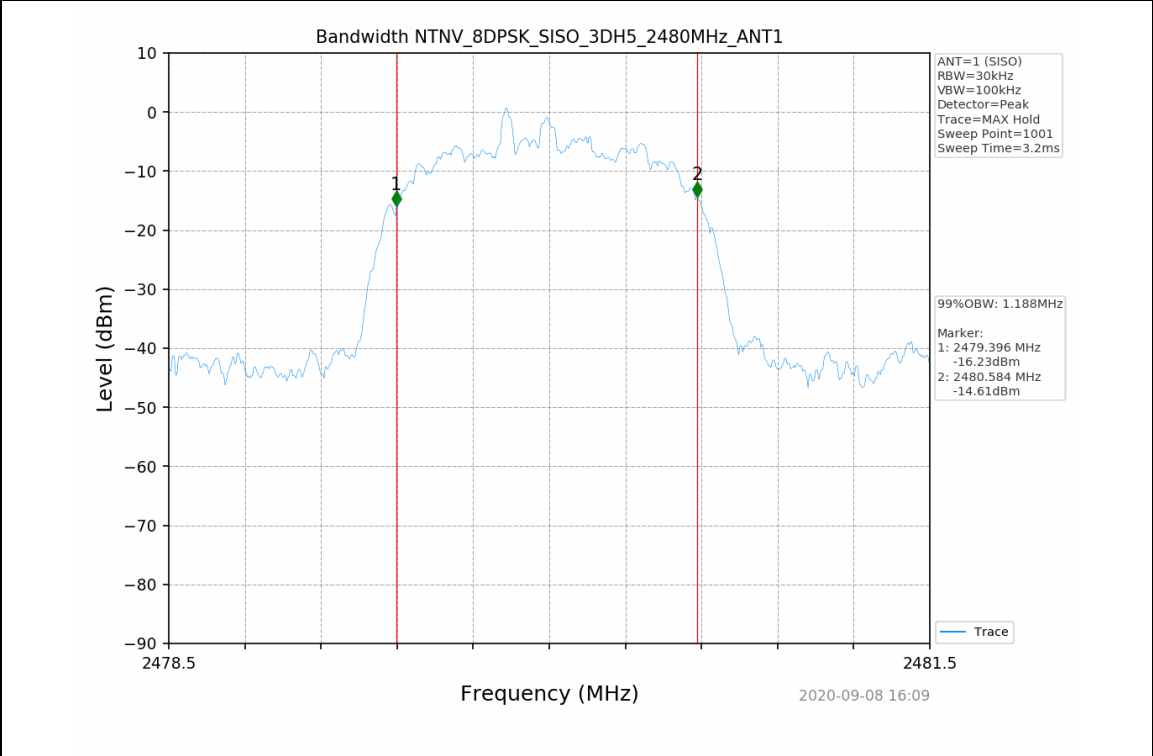
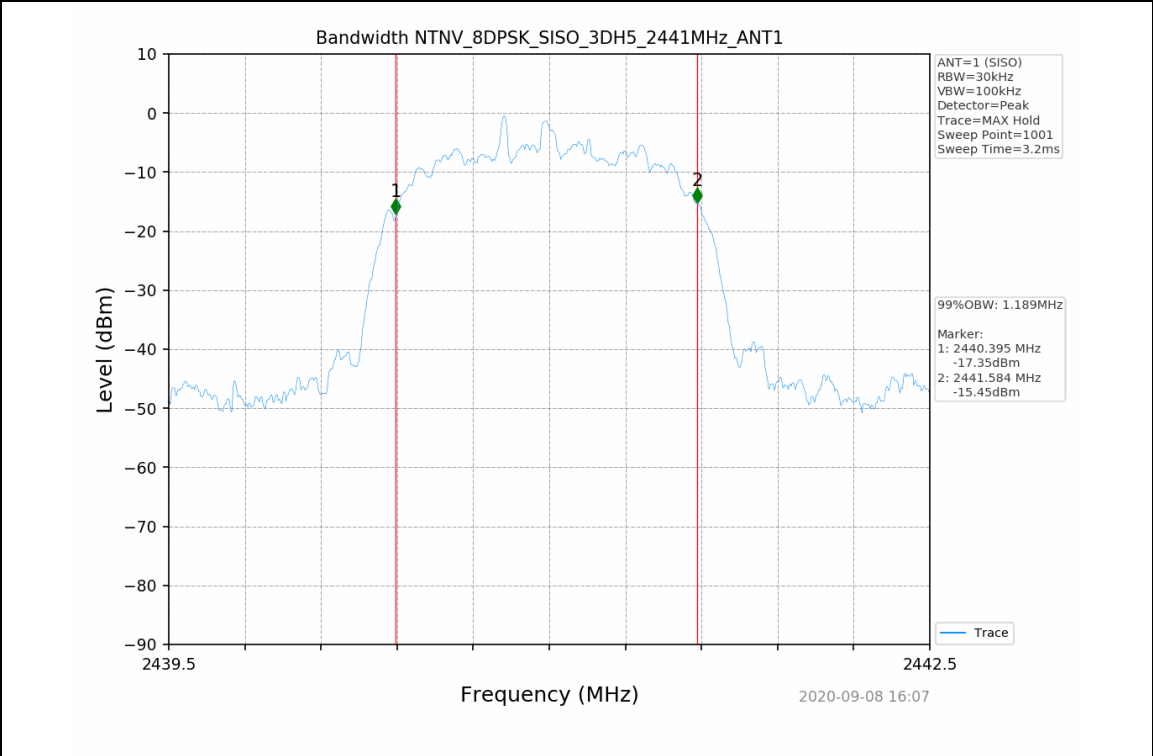
1.3 Test Graph - 99% Occupied Bandwidth









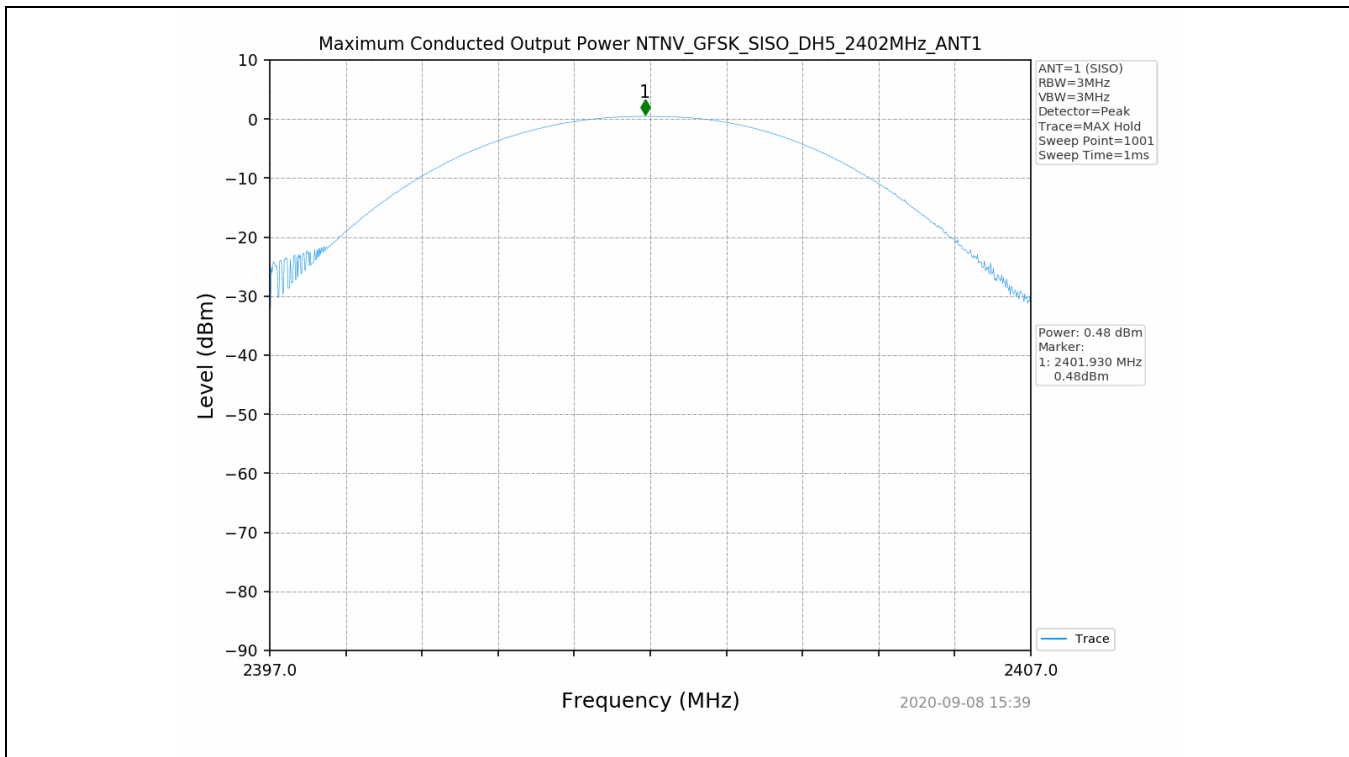


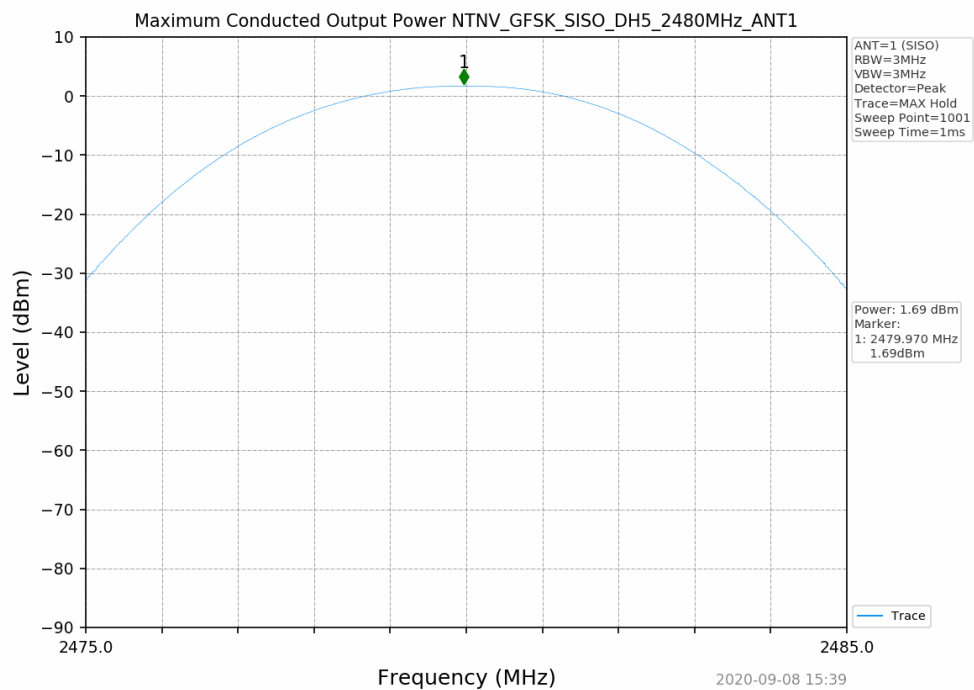
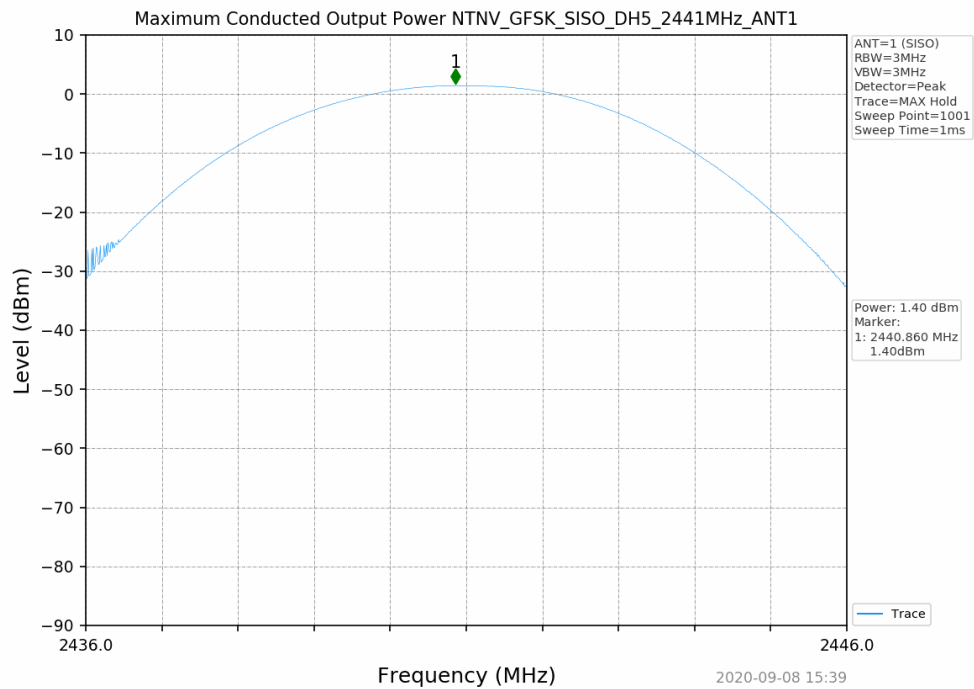
2. Maximum Conducted Output Power

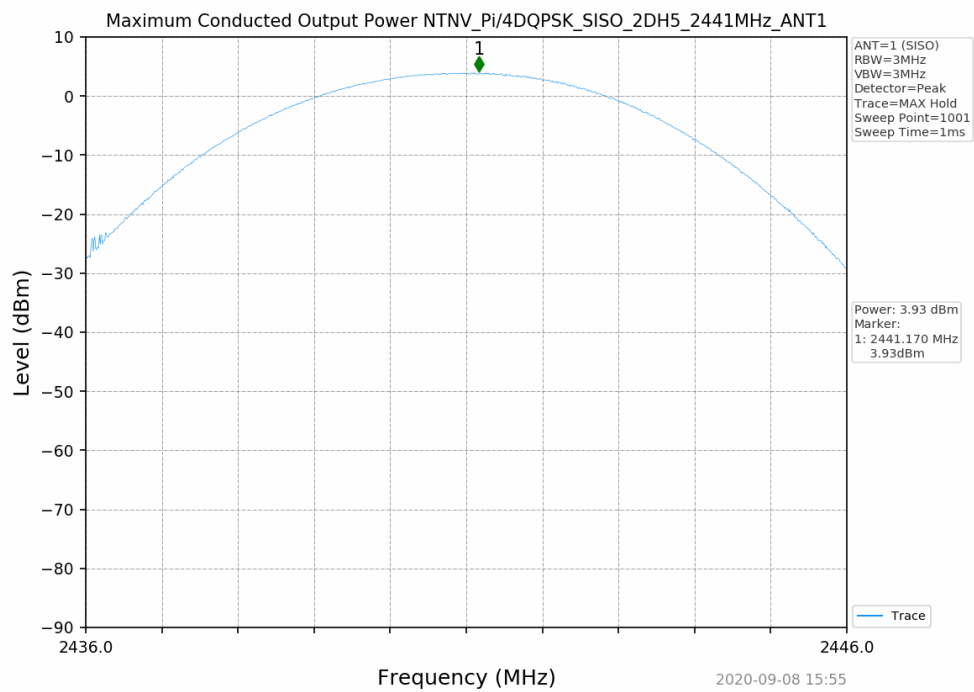
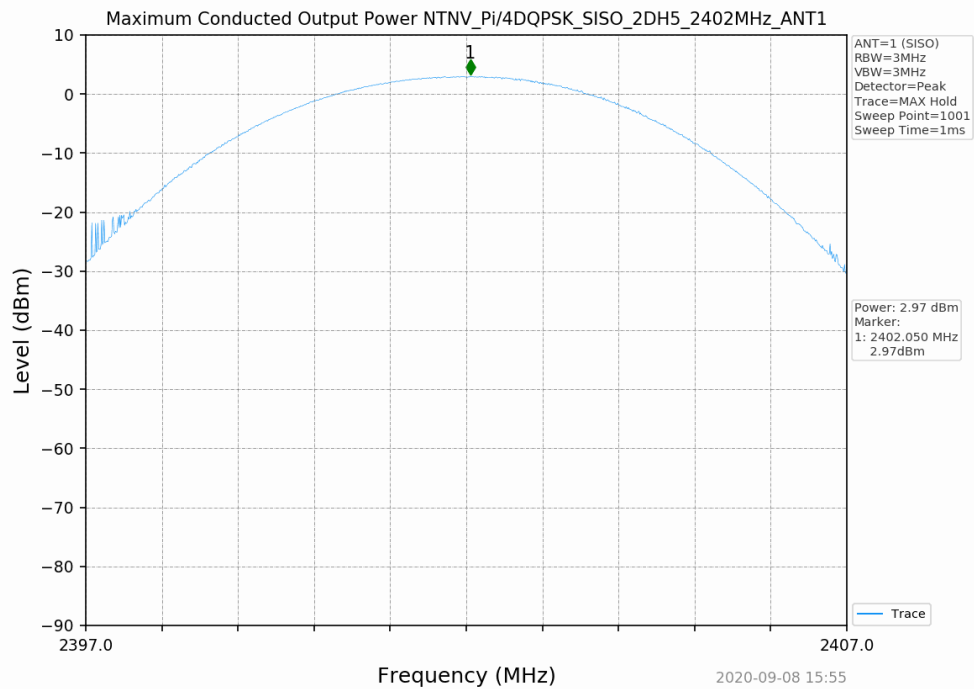
2.1 Test Result

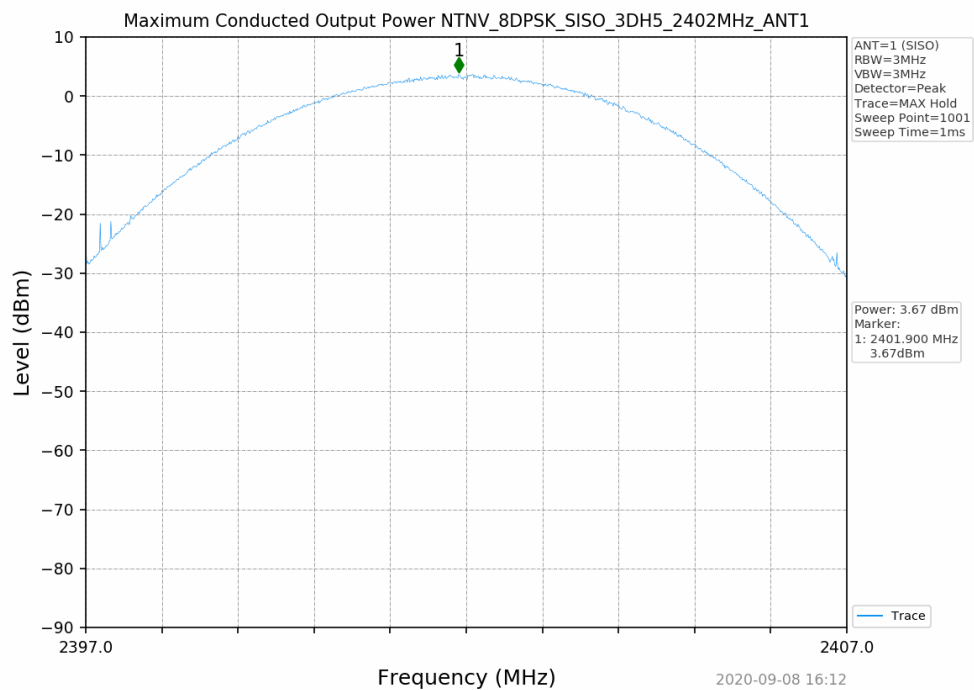
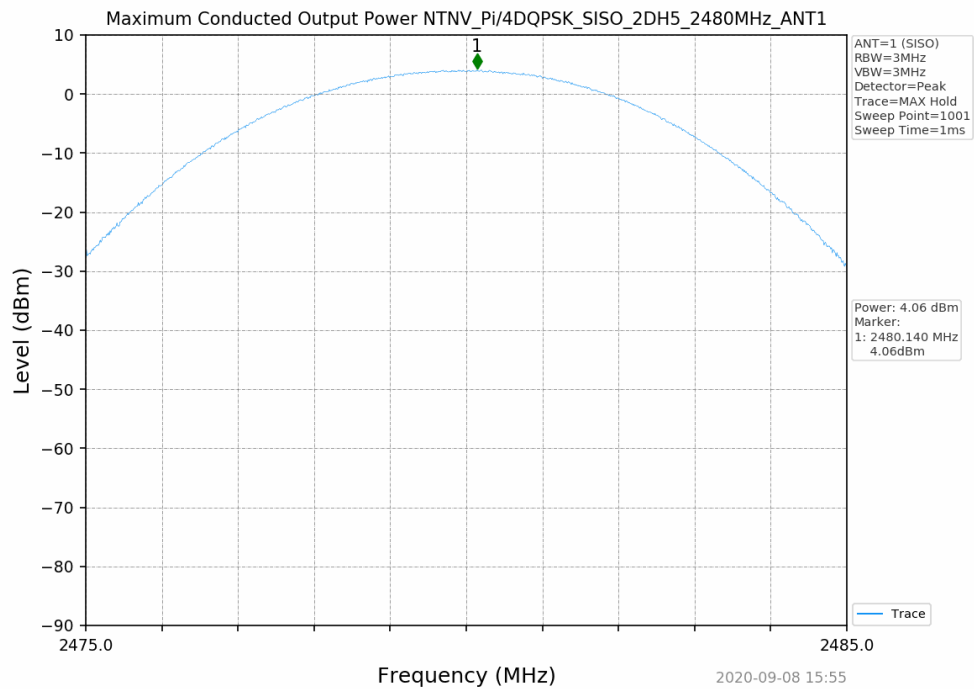
Test Mode	Frequency (MHz)	Tx Type	Measured Peak Output Power (dBm)	Limits (dBm)	Verdict
			Ant 1		
GFSK	2402	SISO	0.48	30	PASS
	2441	SISO	1.40	30	PASS
	2480	SISO	1.69	30	PASS
Pi/4DQPSK	2402	SISO	2.97	20.97	PASS
	2441	SISO	3.93	20.97	PASS
	2480	SISO	4.06	20.97	PASS
8DPSK	2402	SISO	3.67	20.97	PASS
	2441	SISO	4.50	20.97	PASS
	2480	SISO	4.63	20.97	PASS

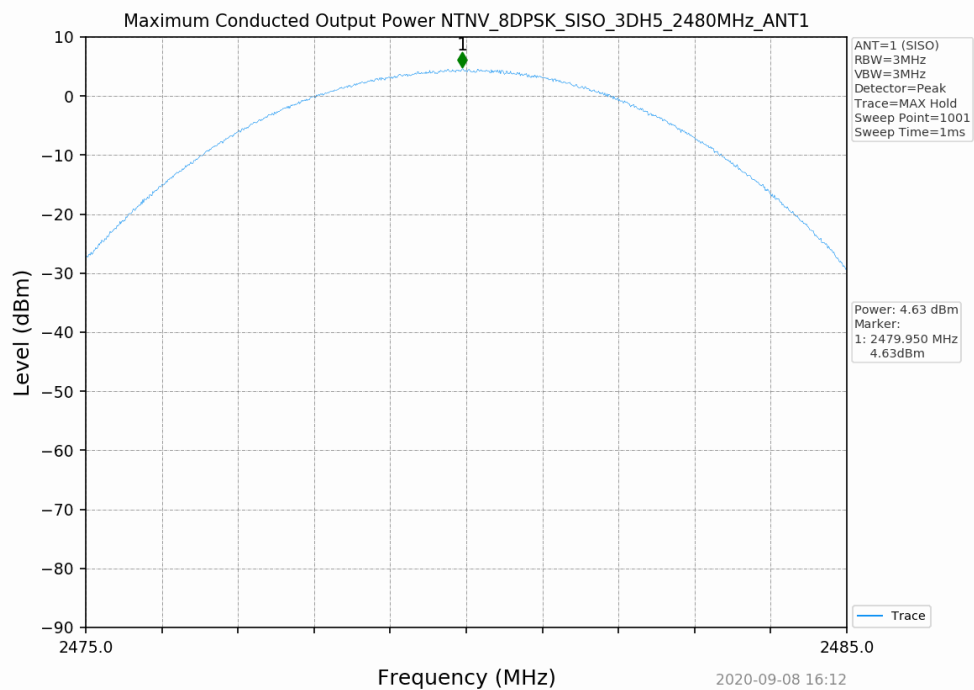
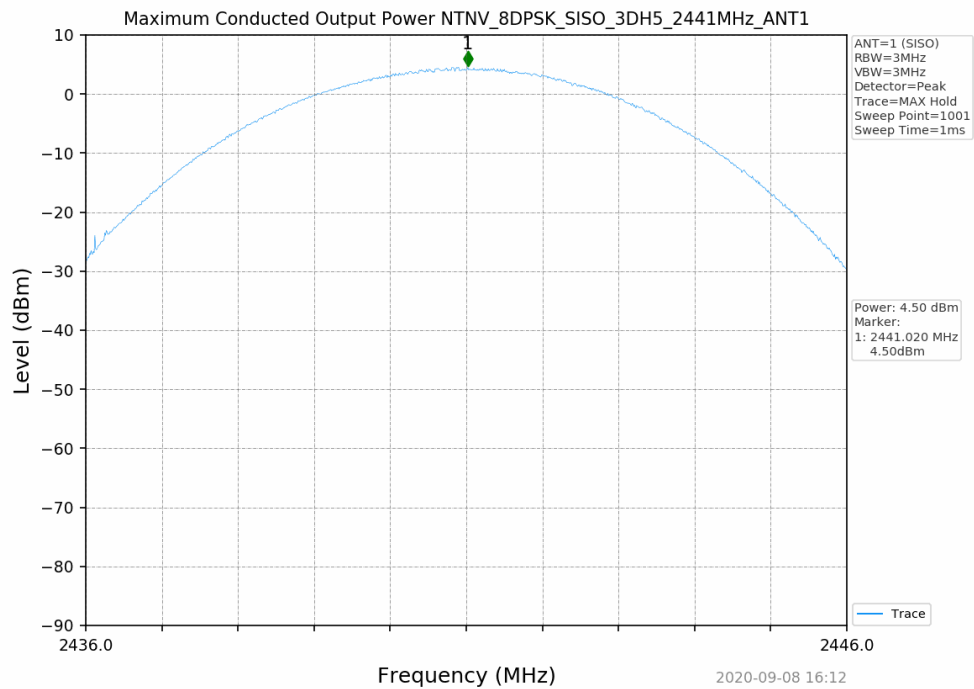
2.2 Test Graph









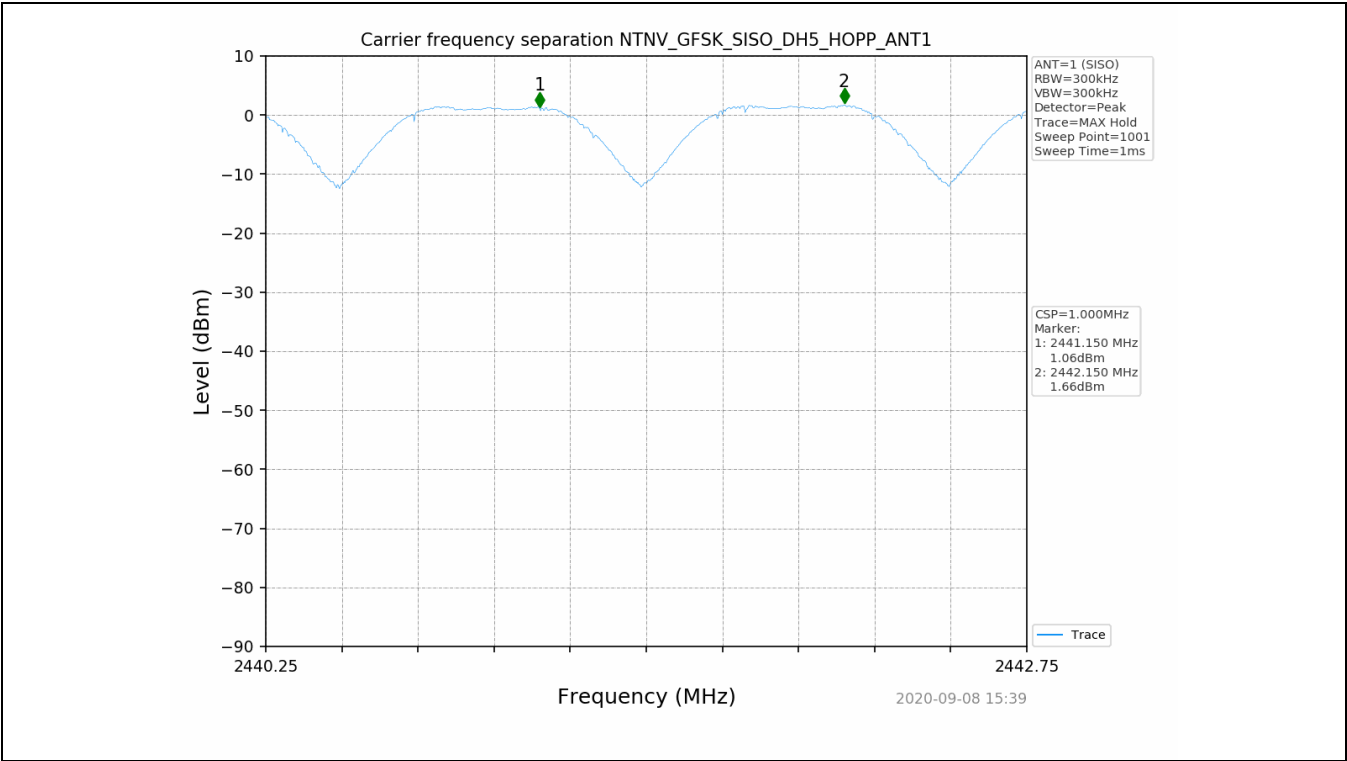


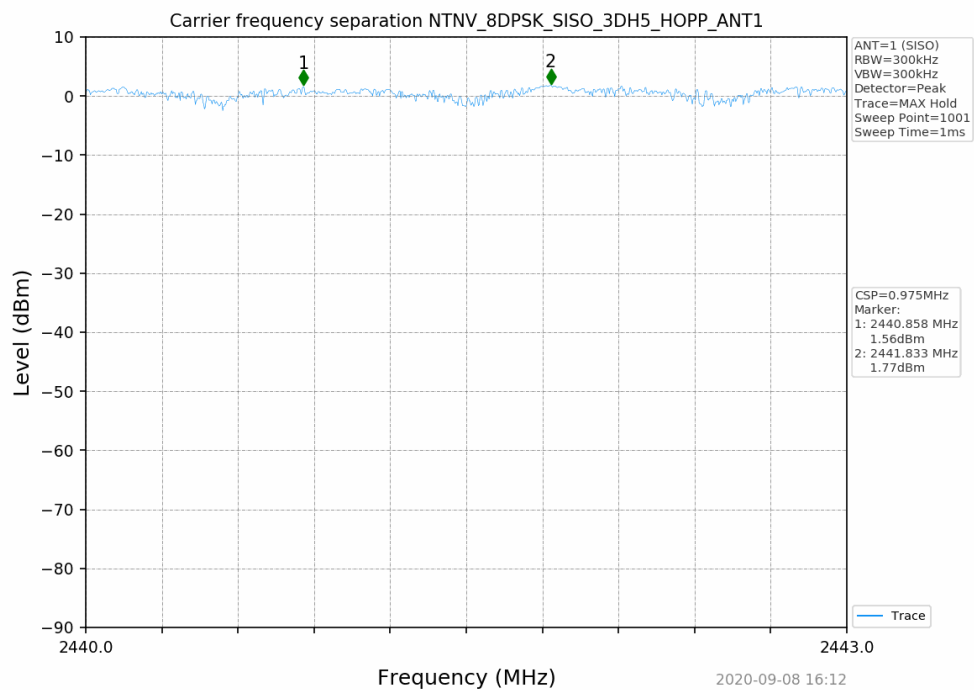
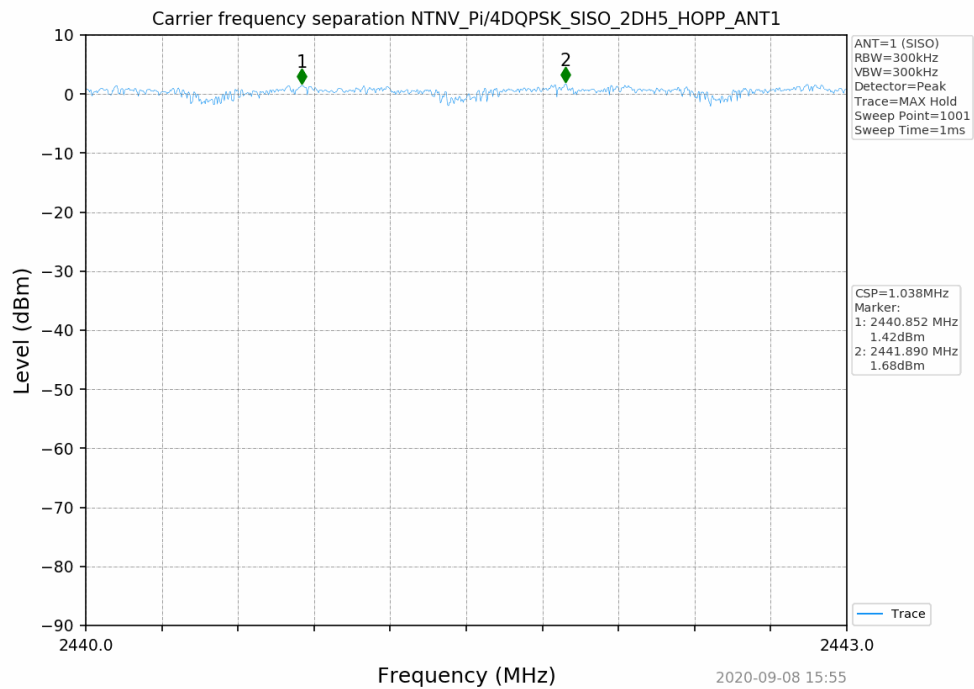
3. Carrier frequency separation

3.1 Test Result

Test Mode	TX Type	ANT No.	Channel Separation (MHz)	20dB Bandwidth (MHz)	Limits (MHz)	Verdict
GFSK	SISO	1	1.000	0.953	≥ 0.953	PASS
Pi/4DQPSK	SISO	1	1.038	1.334	≥ 0.889	PASS
8DPSK	SISO	1	0.975	1.313	≥ 0.875	PASS

3.2 Test Graph



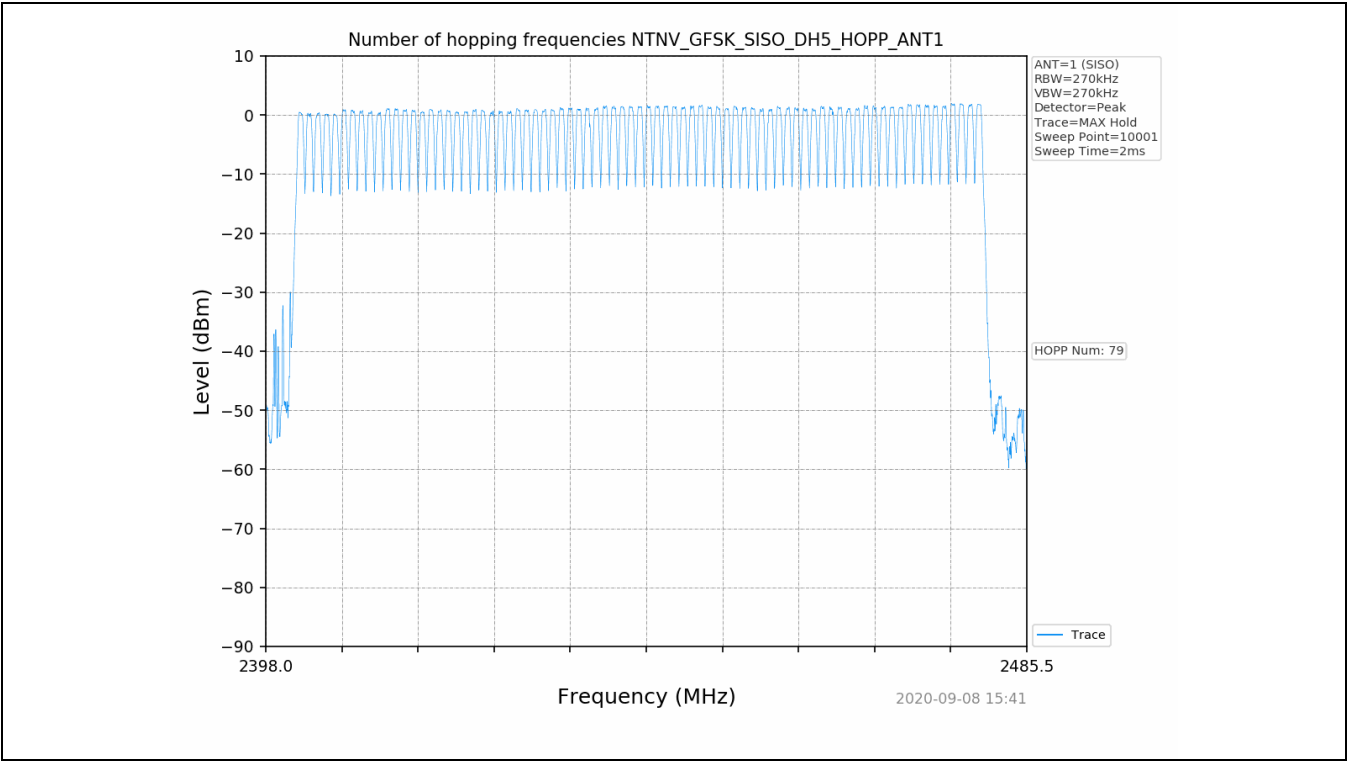


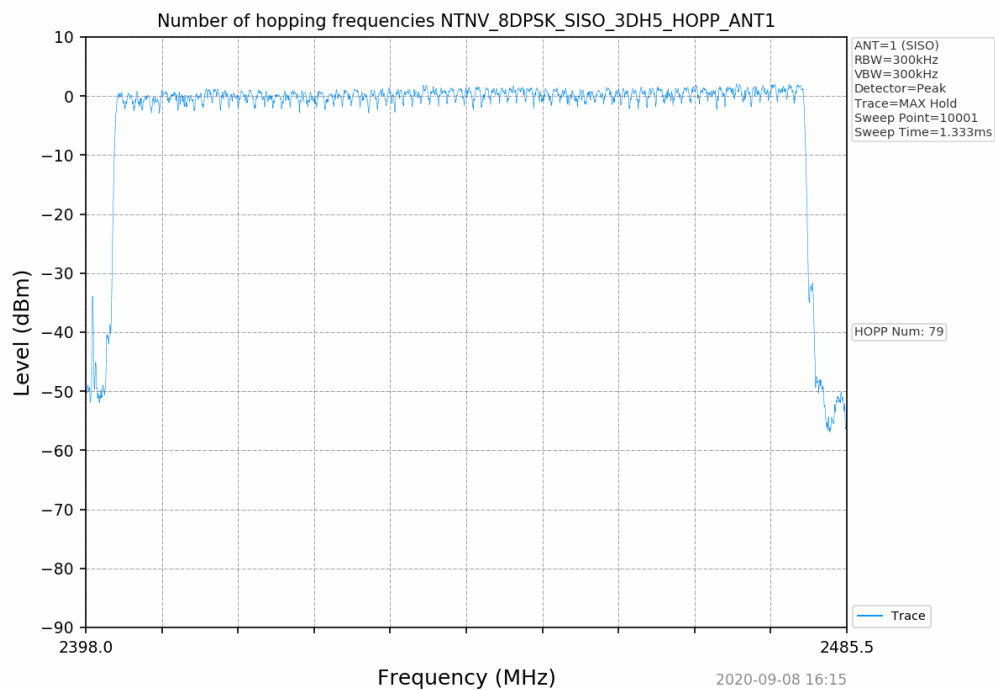
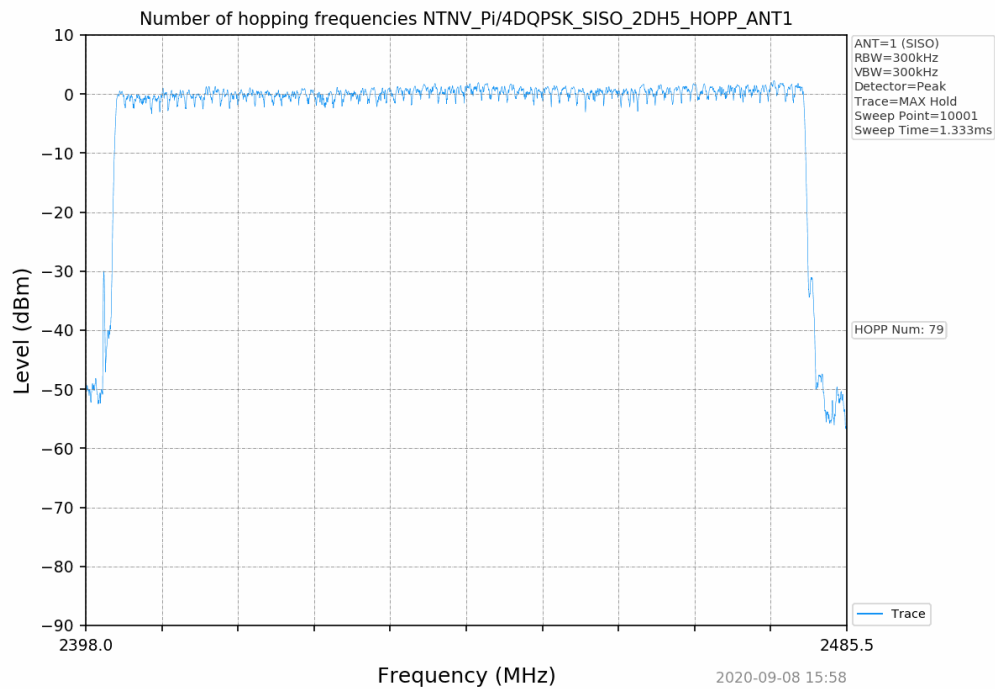
4. Number of hopping frequencies

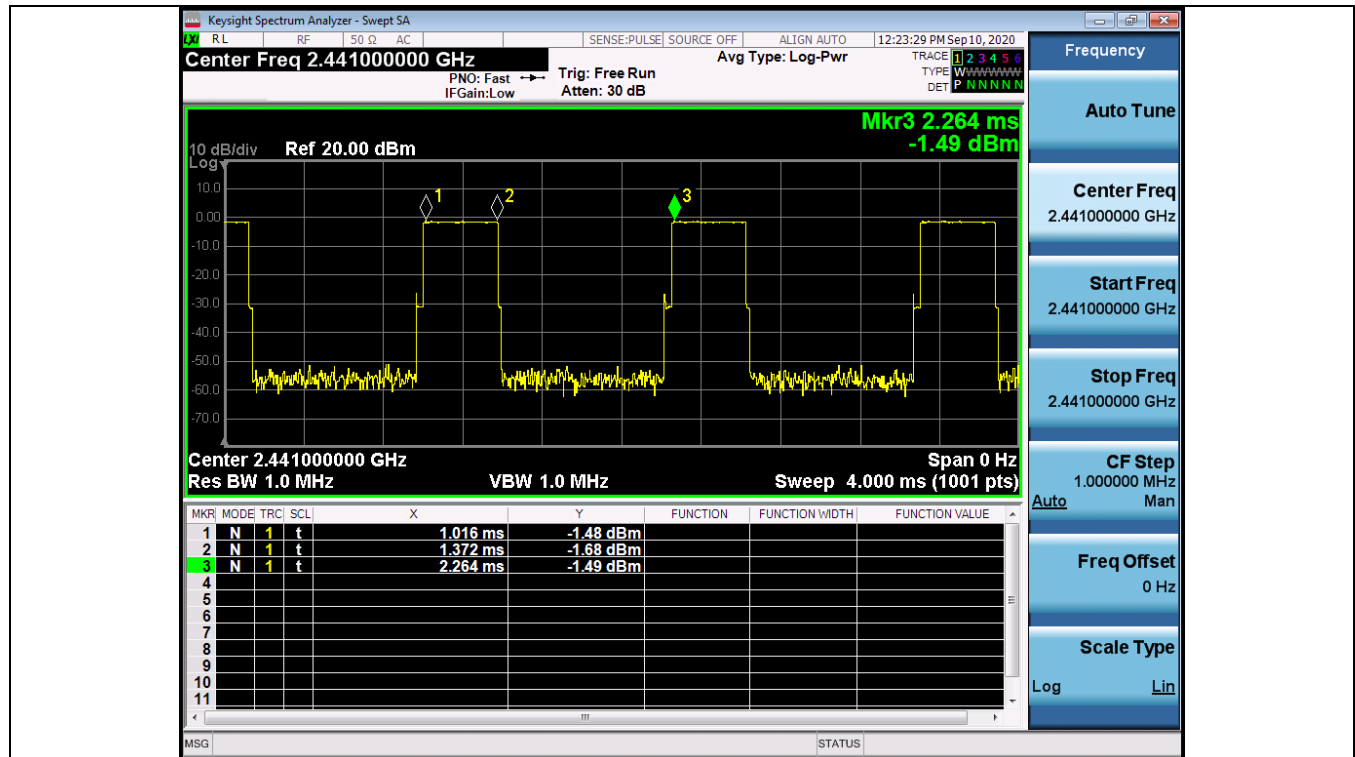
4.1 Test Result

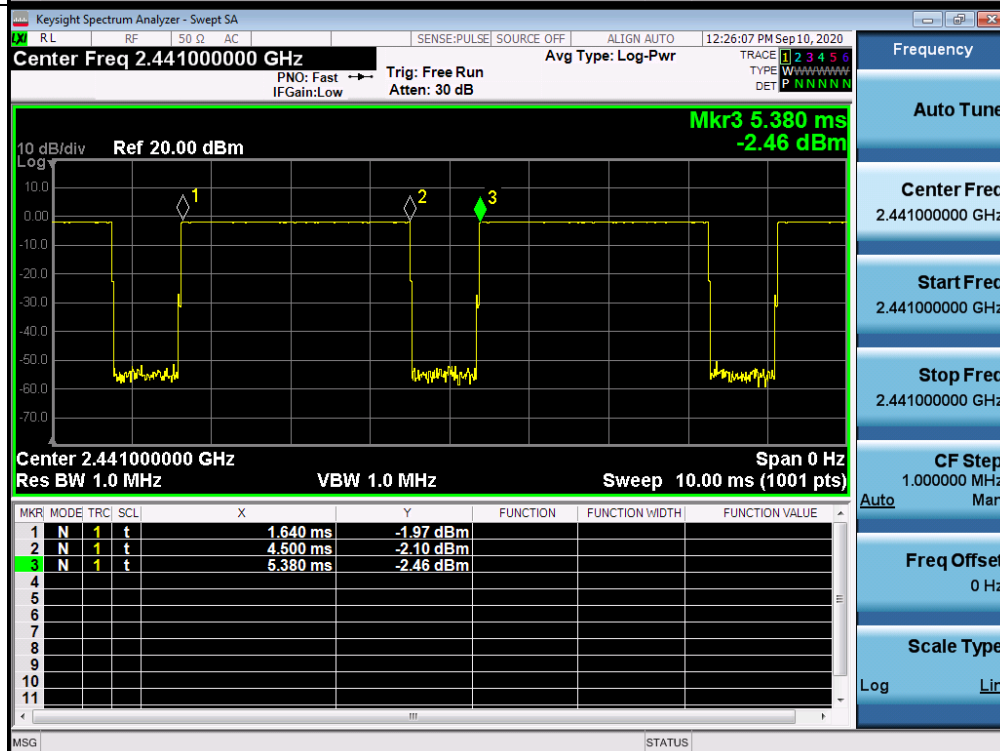
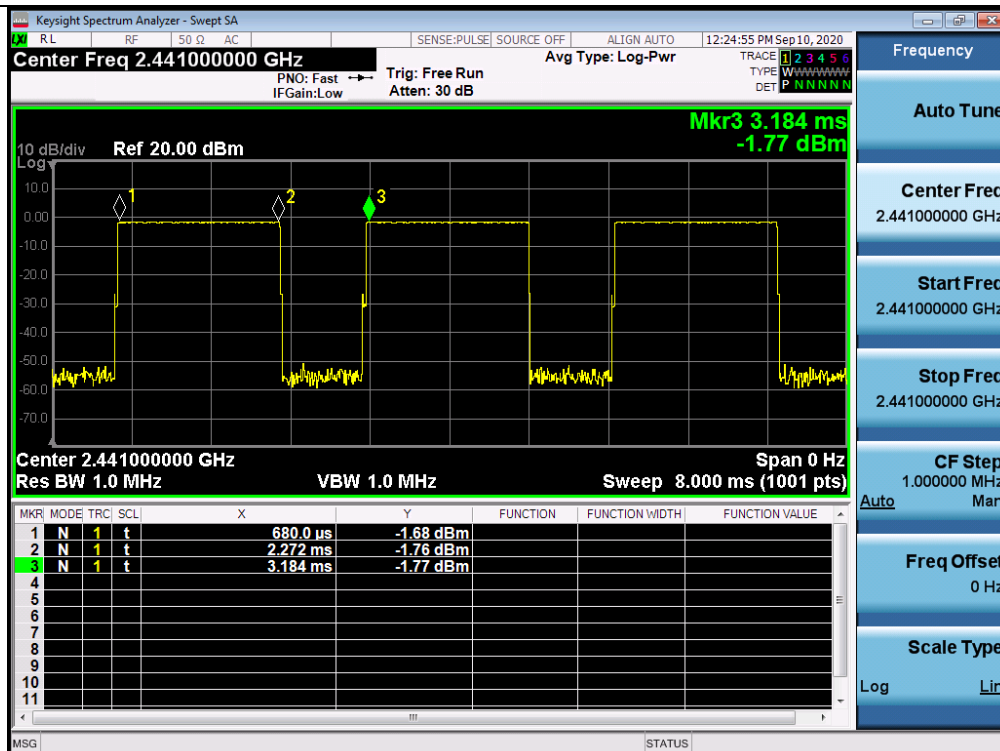
Test Mode	TX Type	ANT No.	Num of Hopping Frequencies	Limits	Verdict
GFSK	SISO	1	79	≥15	PASS
Pi/4DQPSK	SISO	1	79	≥15	PASS
8DPSK	SISO	1	79	≥15	PASS

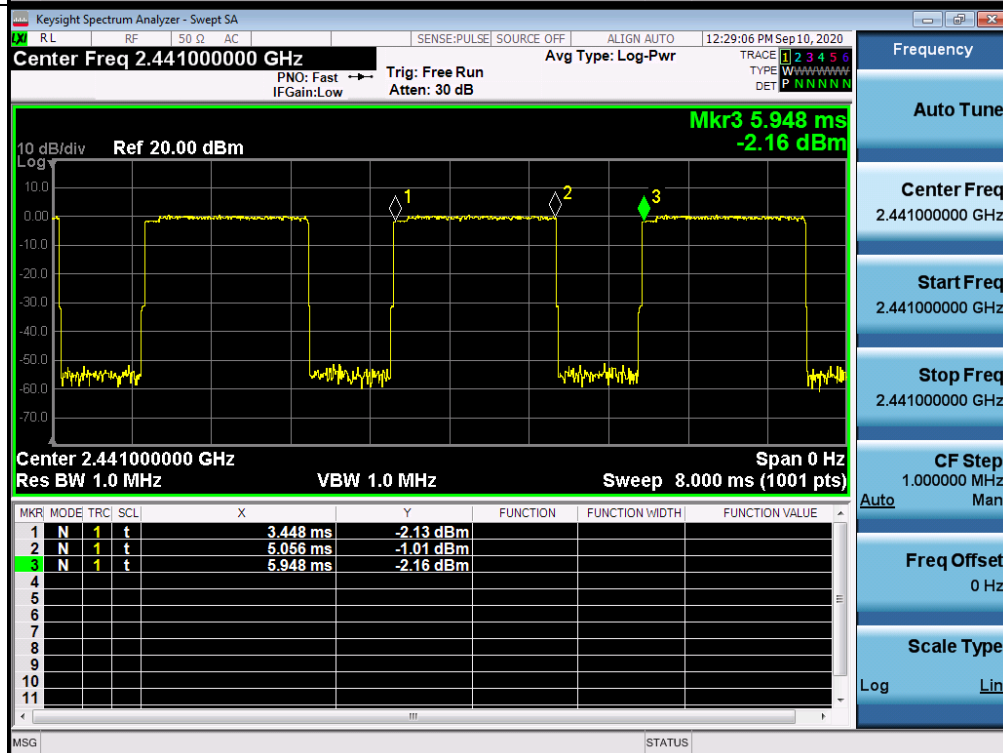
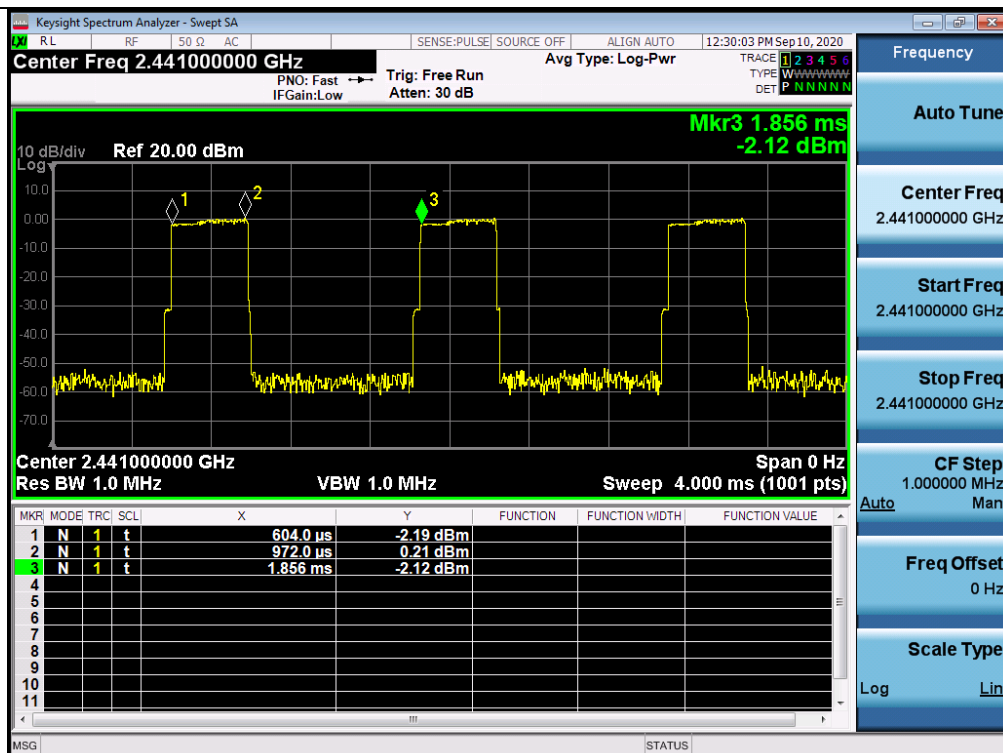
4.2 Test Graph

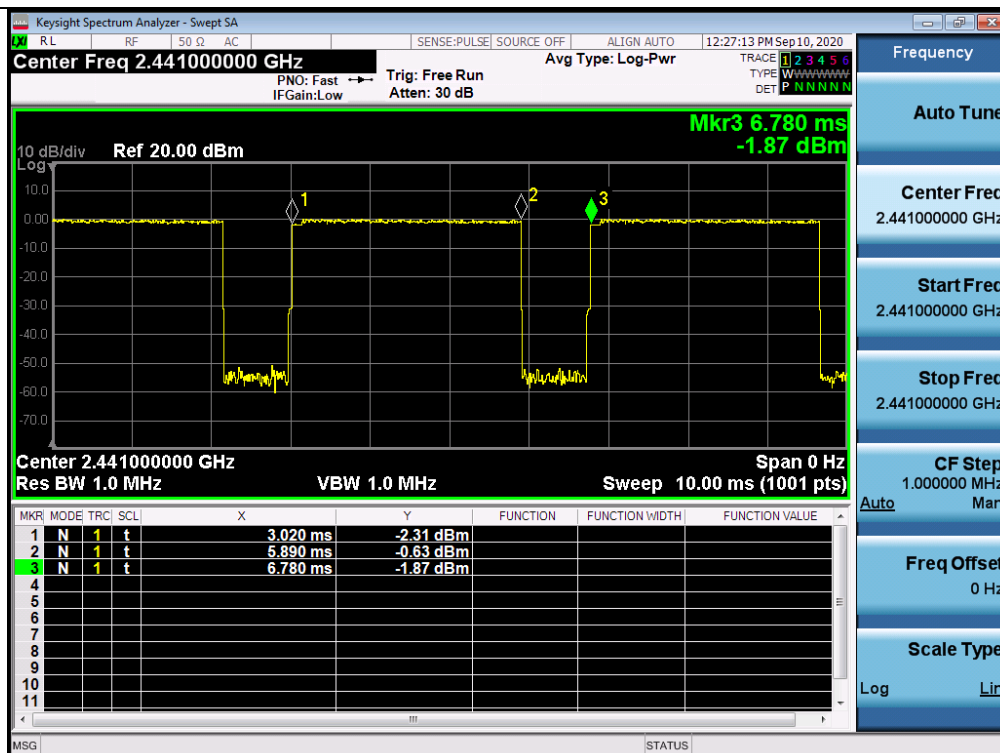












Frequency

Auto Tune

Center Freq
2.441000000 GHz

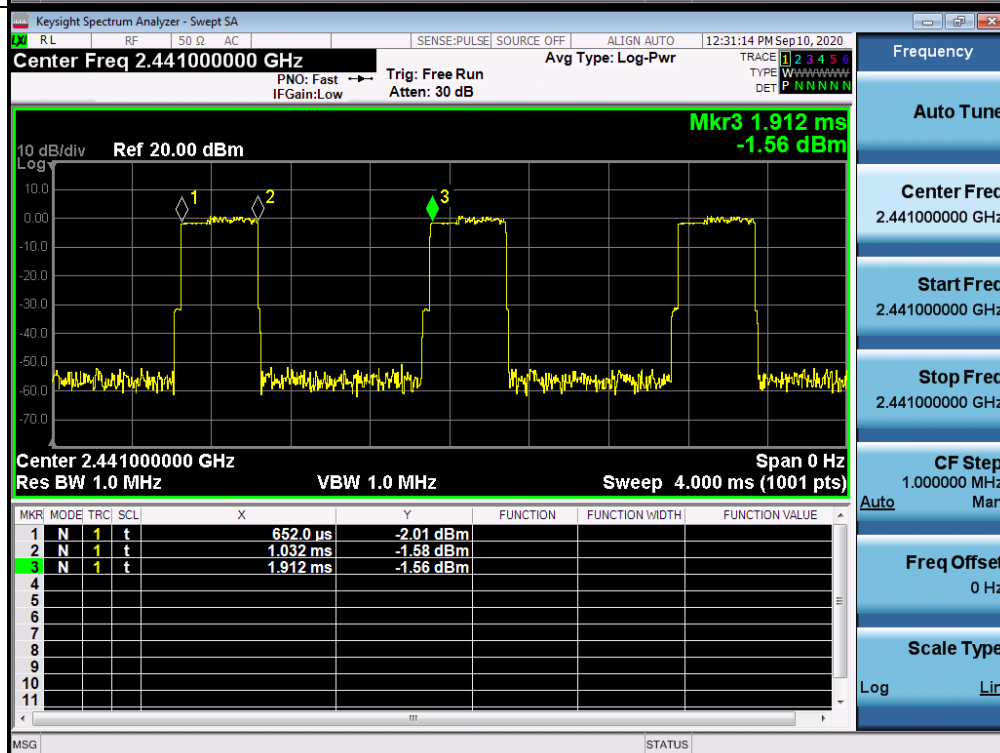
Start Freq
2.441000000 GHz

Stop Freq
2.441000000 GHz

CF Step
1.000000 MHz
Auto Man

Freq Offset
0 Hz

Scale Type
Log Lin



Frequency

Auto Tune

Center Freq
2.441000000 GHz

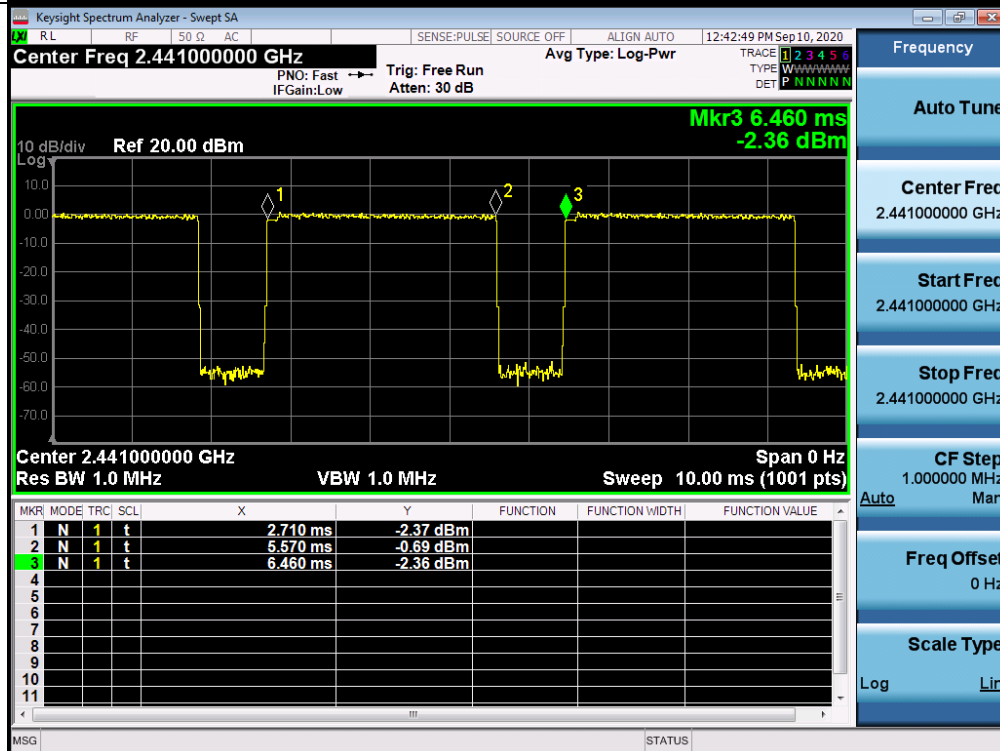
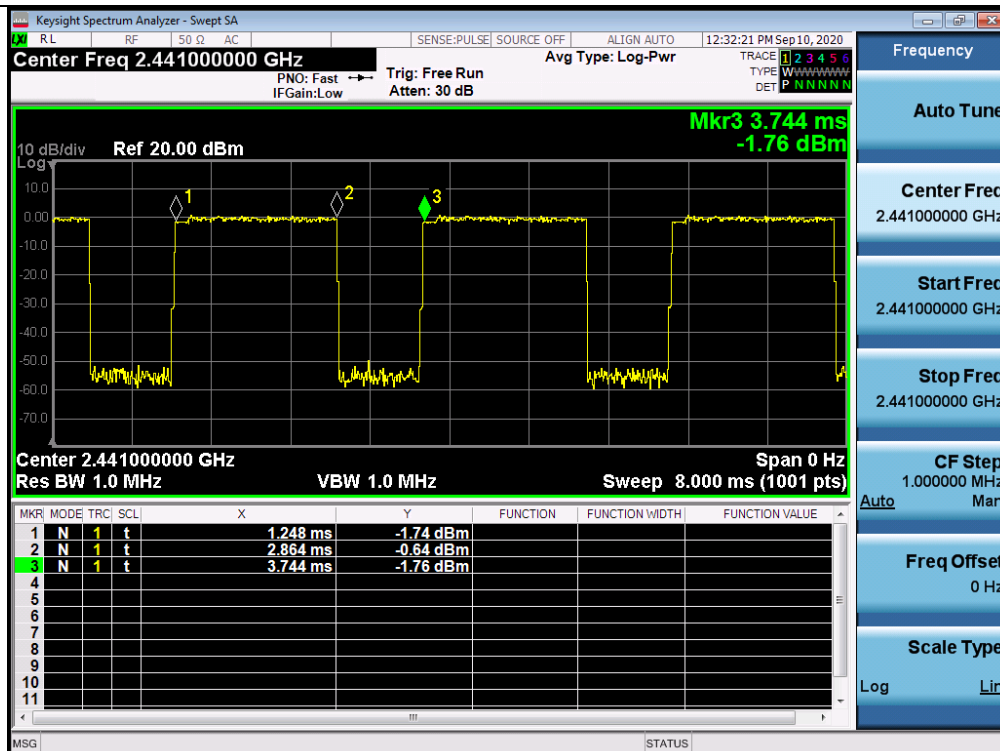
Start Freq
2.441000000 GHz

Stop Freq
2.441000000 GHz

CF Step
1.000000 MHz
Auto Man

Freq Offset
0 Hz

Scale Type
Log Lin

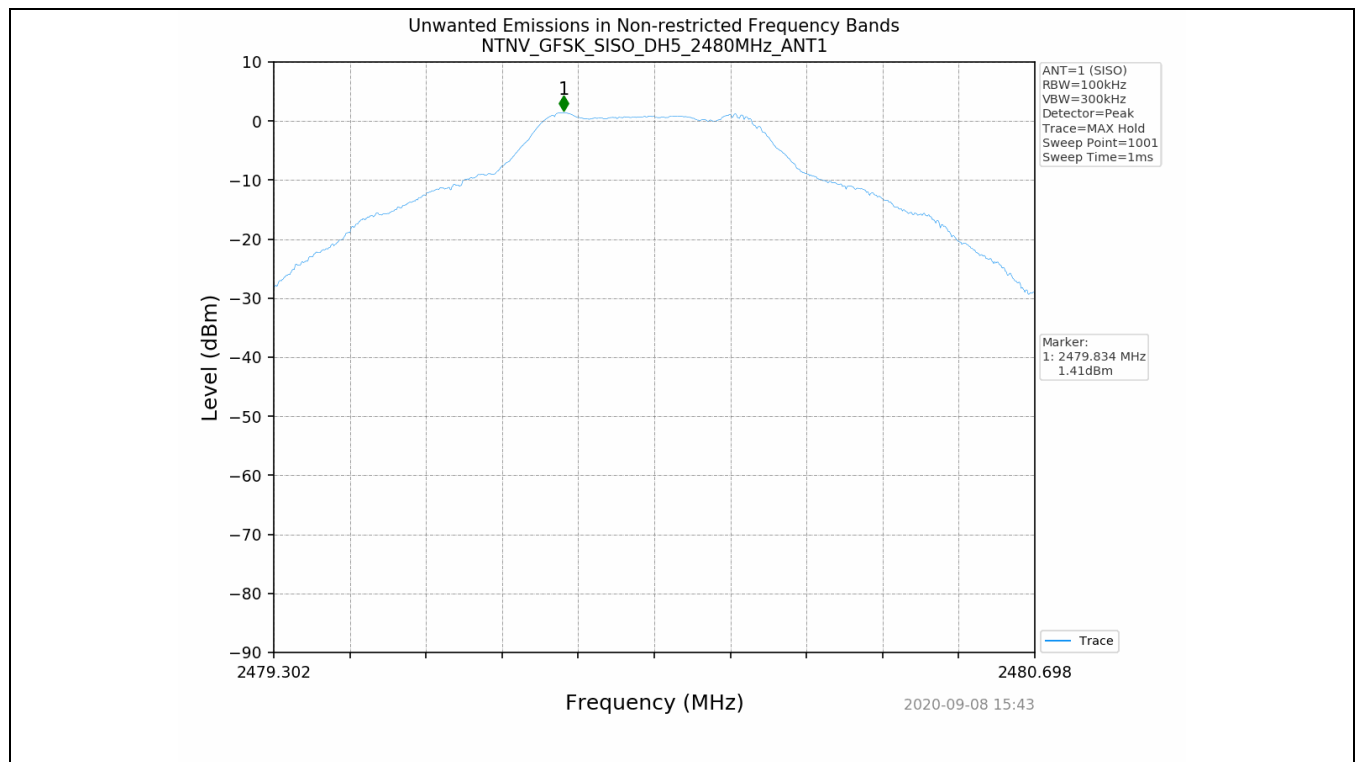


6. Unwanted Emissions in Non-restricted Frequency Bands

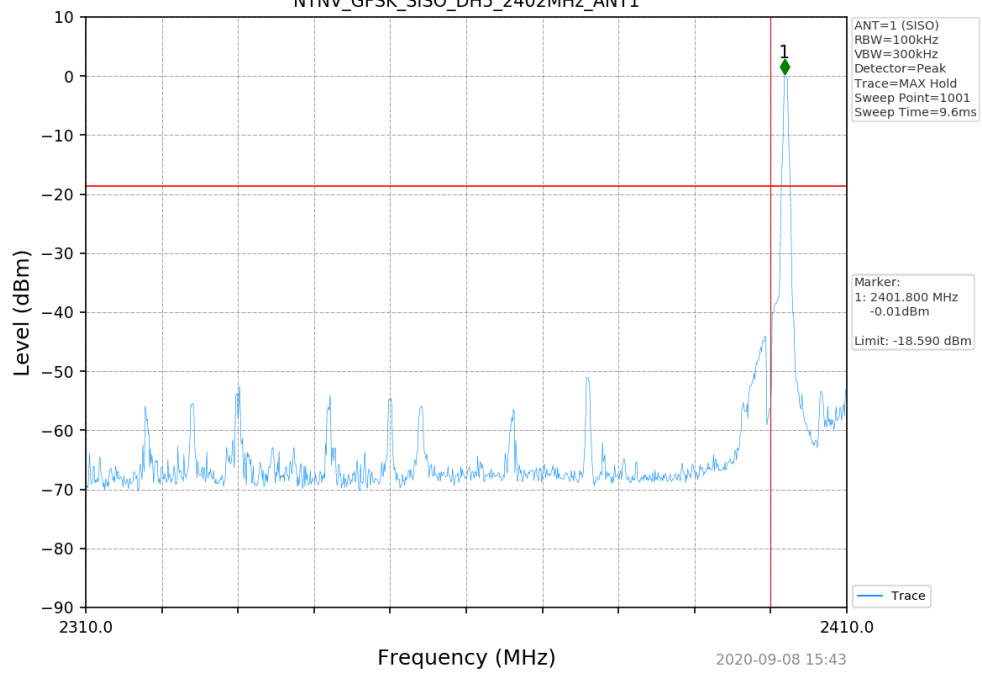
6.1 Test Result

Test Mode	Frequency (MHz)	TX Type	ANT No.	Spurious Conducted Emission (dBm)	Limits (dBm)	Verdict
GFSK	2402	SISO	1	Refer to test graph	-18.59	PASS
	2441	SISO	1	Refer to test graph	-18.59	PASS
	2480	SISO	1	Refer to test graph	-18.59	PASS
	Hopping	SISO	1	Refer to test graph	-18.59	PASS
Pi/4DQPSK	2402	SISO	1	Refer to test graph	-18.76	PASS
	2441	SISO	1	Refer to test graph	-18.76	PASS
	2480	SISO	1	Refer to test graph	-18.76	PASS
	Hopping	SISO	1	Refer to test graph	-18.76	PASS
8DPSK	2402	SISO	1	Refer to test graph	-18.50	PASS
	2441	SISO	1	Refer to test graph	-18.50	PASS
	2480	SISO	1	Refer to test graph	-18.50	PASS
	Hopping	SISO	1	Refer to test graph	-18.50	PASS

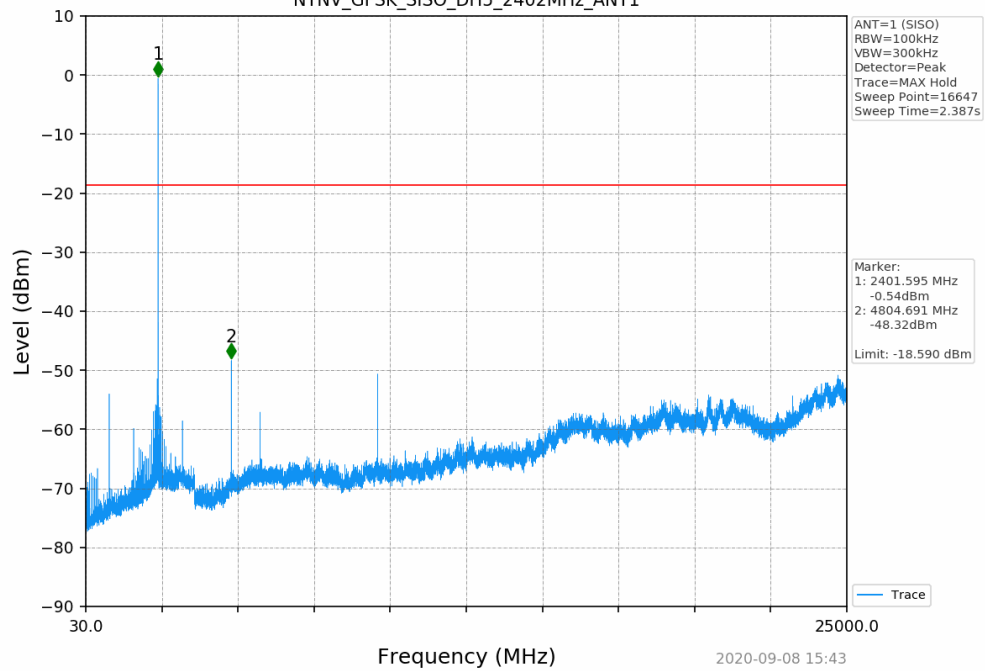
6.2 Test Graph



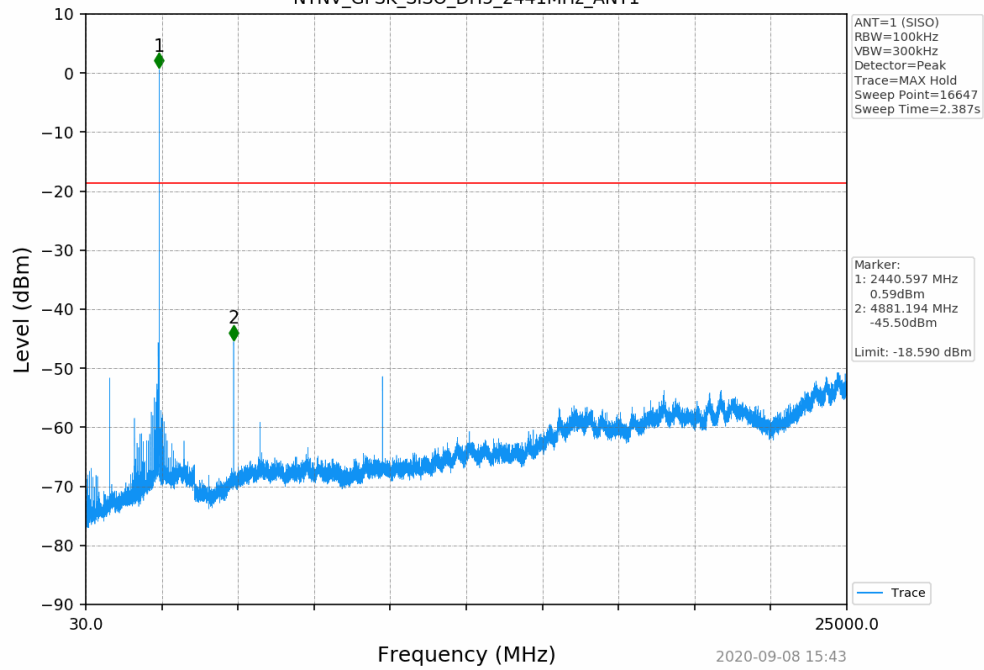
Unwanted Emissions in Non-restricted Frequency Bands
NTNV_GFSK_SISO_DH5_2402MHz_ANT1



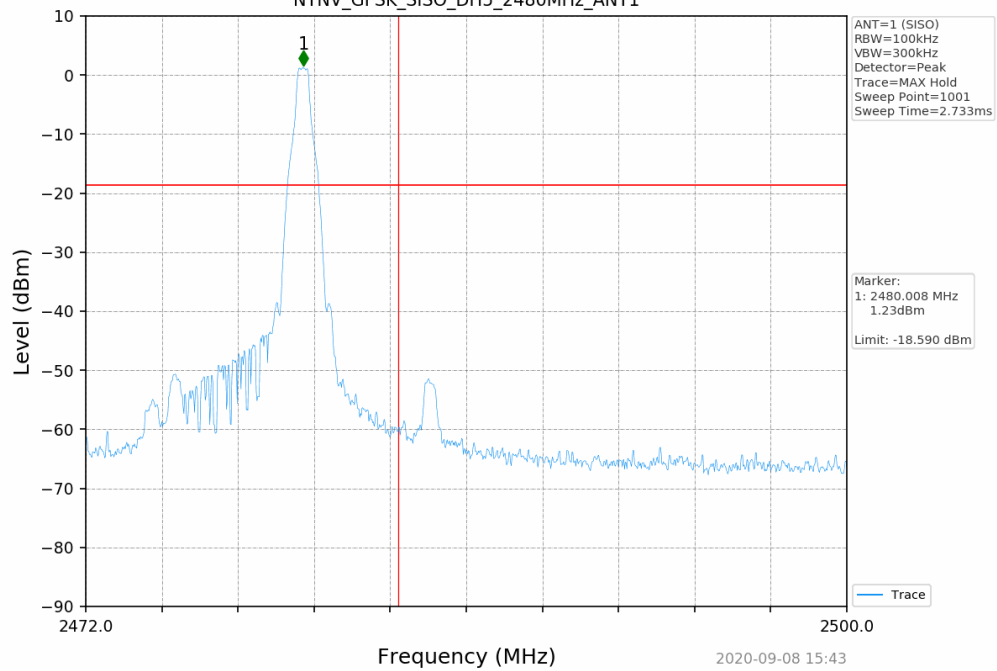
Unwanted Emissions in Non-restricted Frequency Bands
NTNV_GFSK_SISO_DH5_2402MHz_ANT1

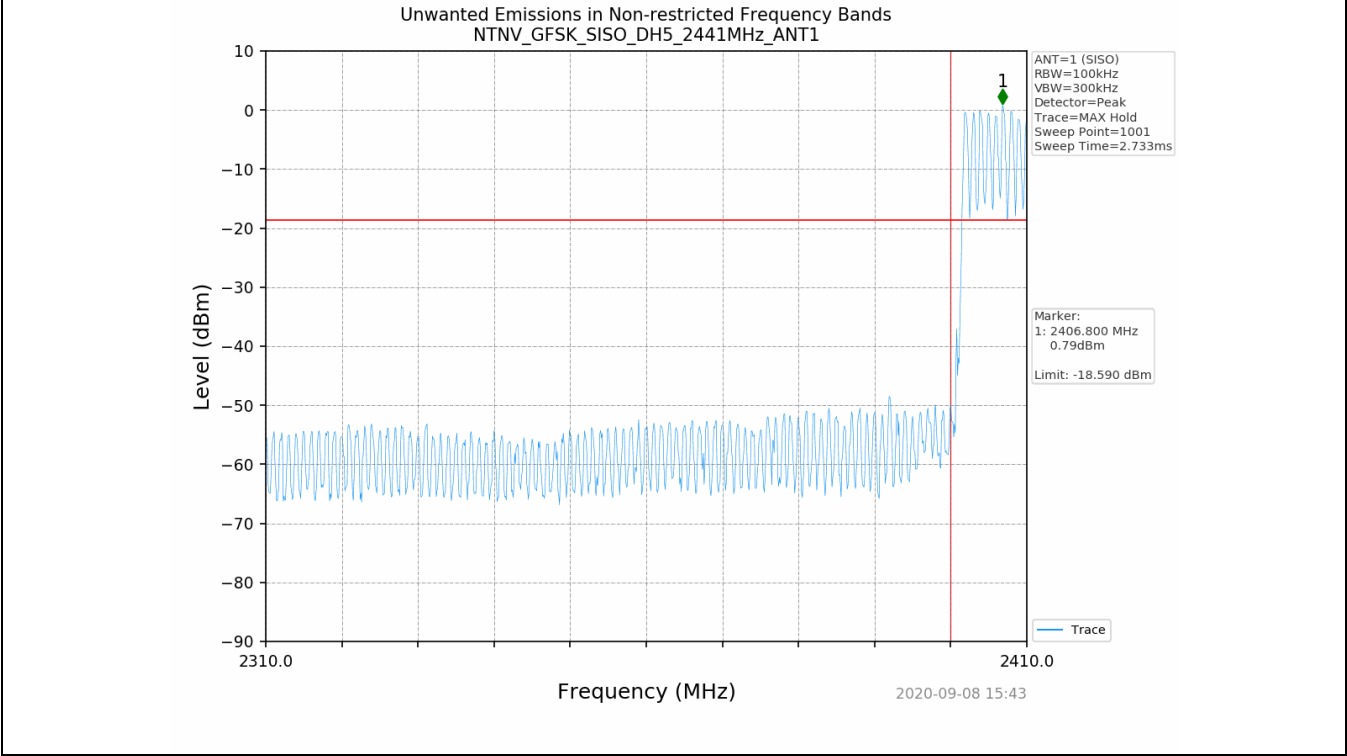
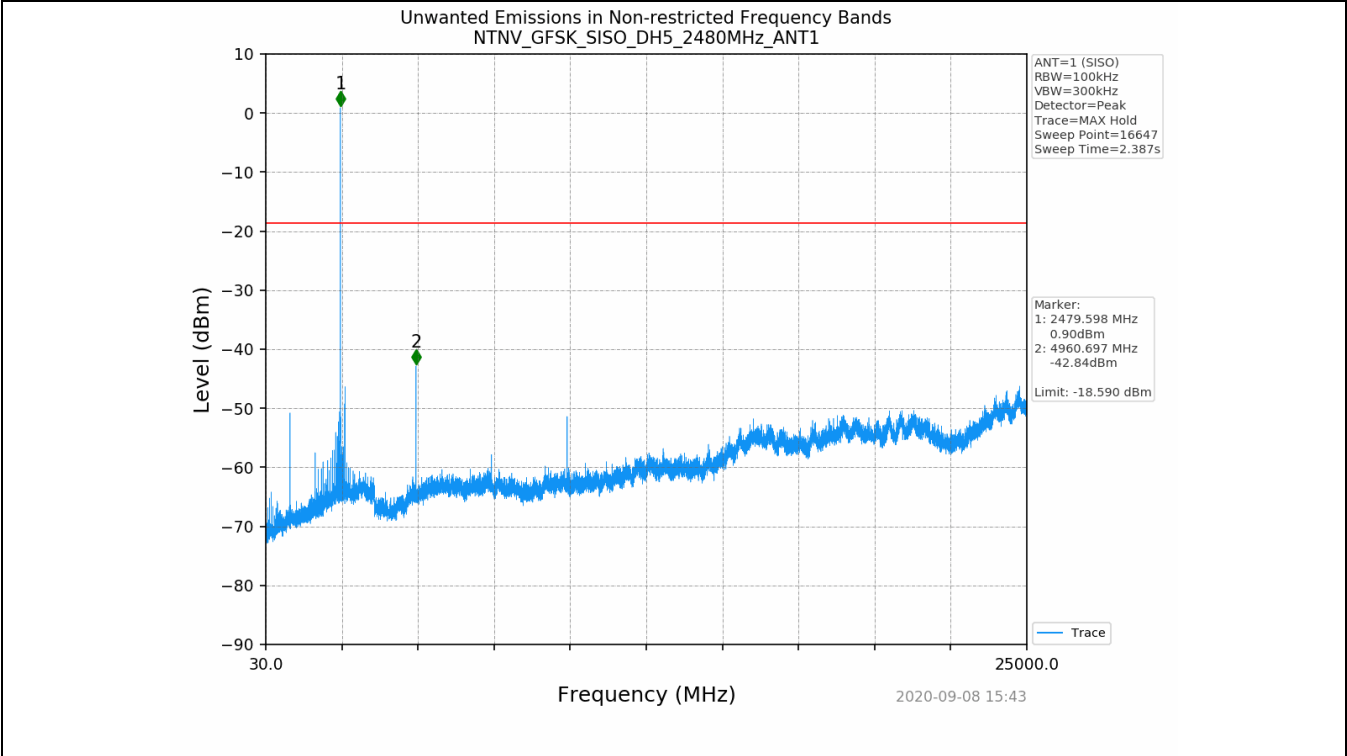


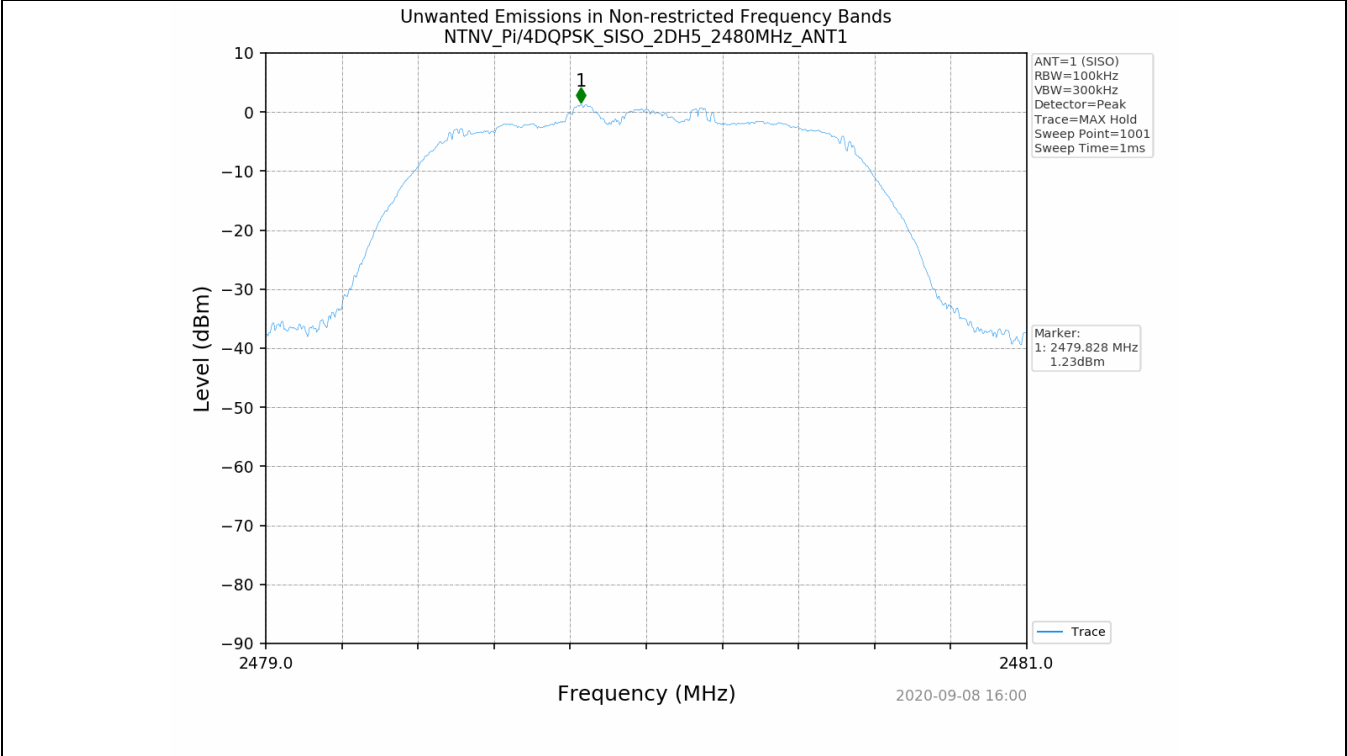
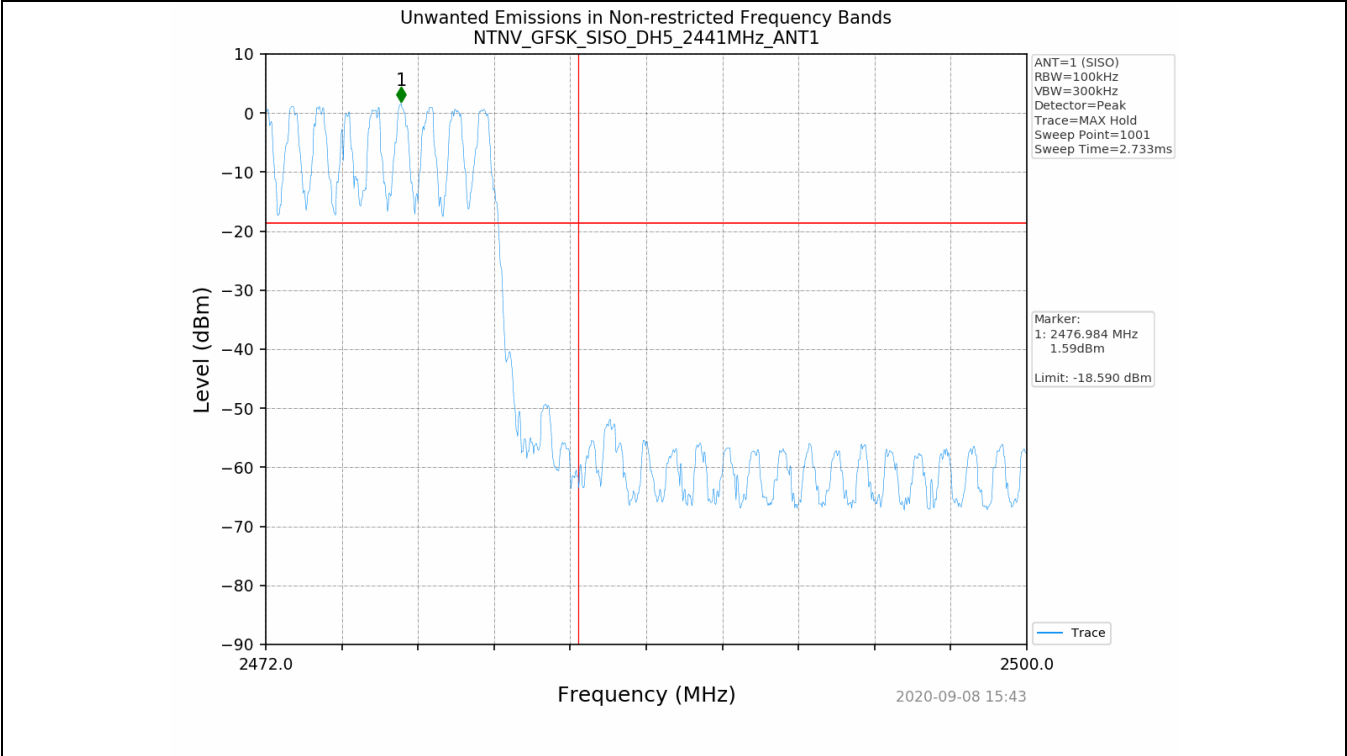
Unwanted Emissions in Non-restricted Frequency Bands
NTNV_GFSK_SISO_DH5_2441MHz_ANT1



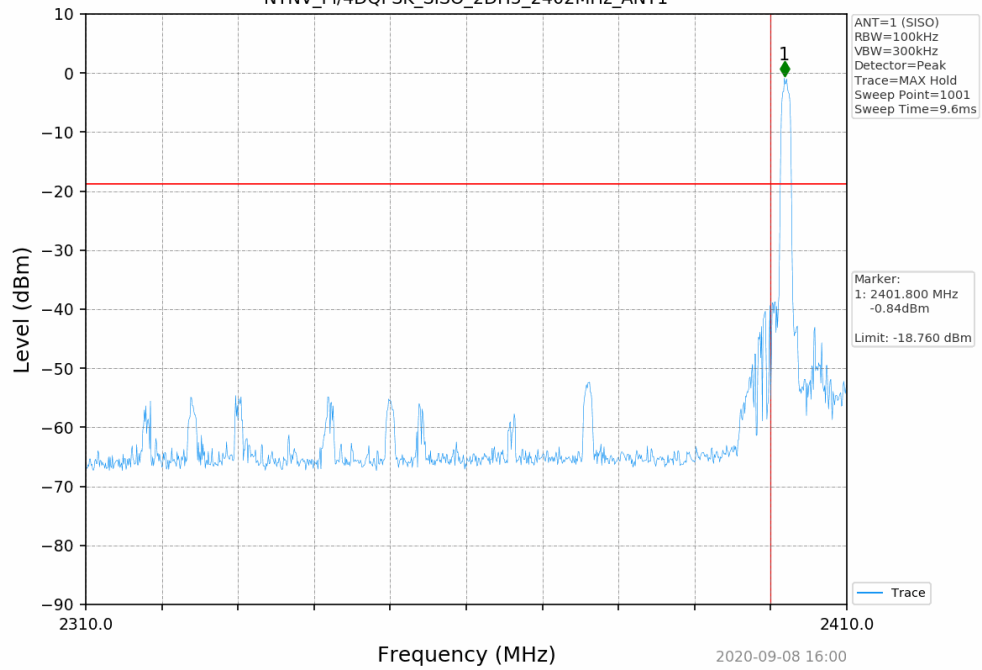
Unwanted Emissions in Non-restricted Frequency Bands
NTNV_GFSK_SISO_DH5_2480MHz_ANT1



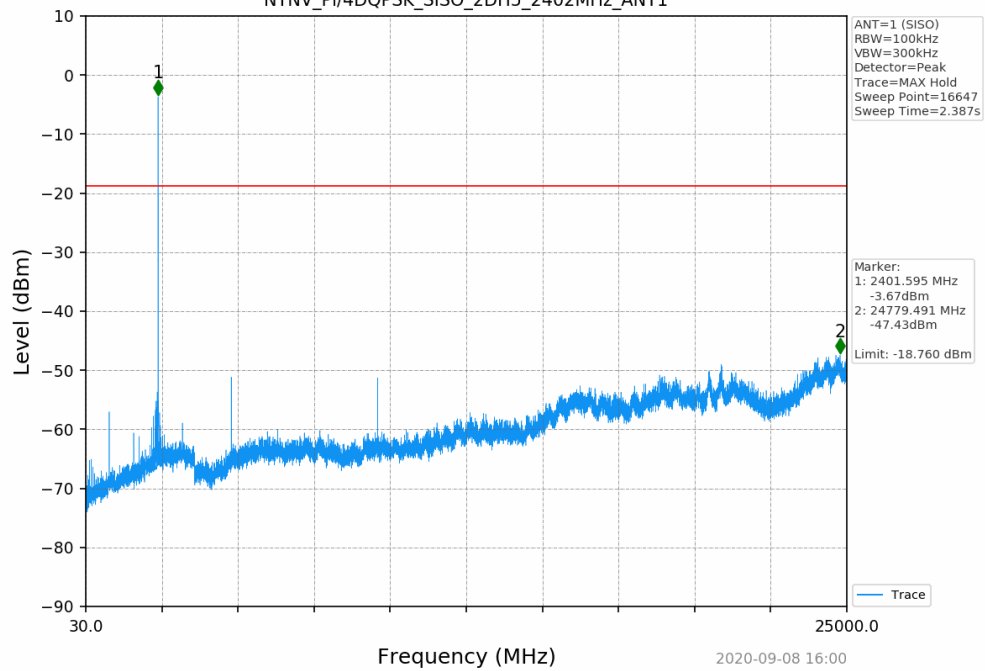




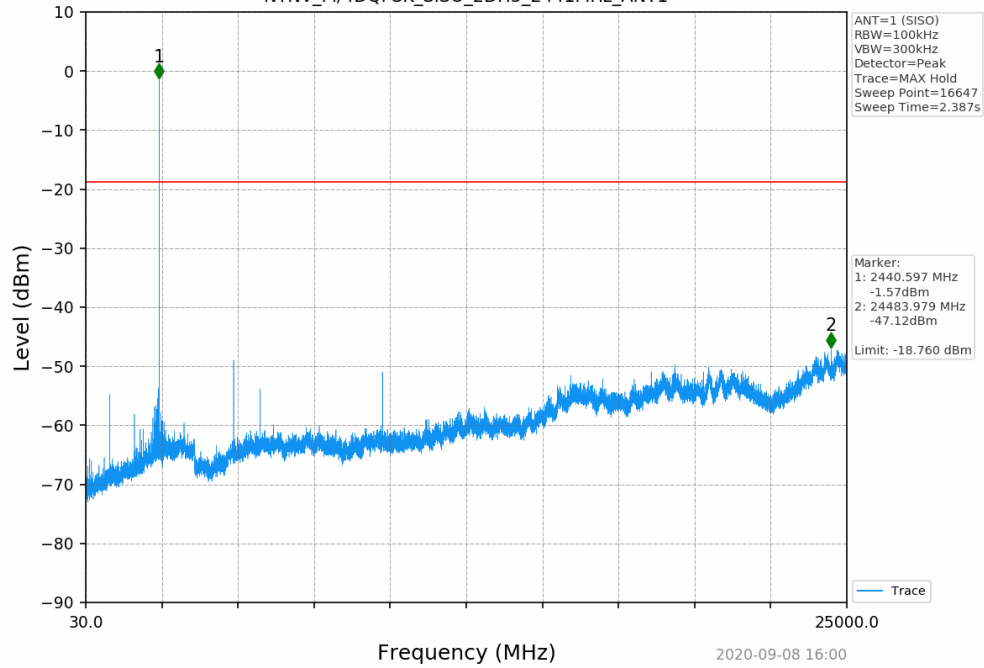
Unwanted Emissions in Non-restricted Frequency Bands
NTNV_Pi/4DQPSK_SISO_2DH5_2402MHz_ANT1



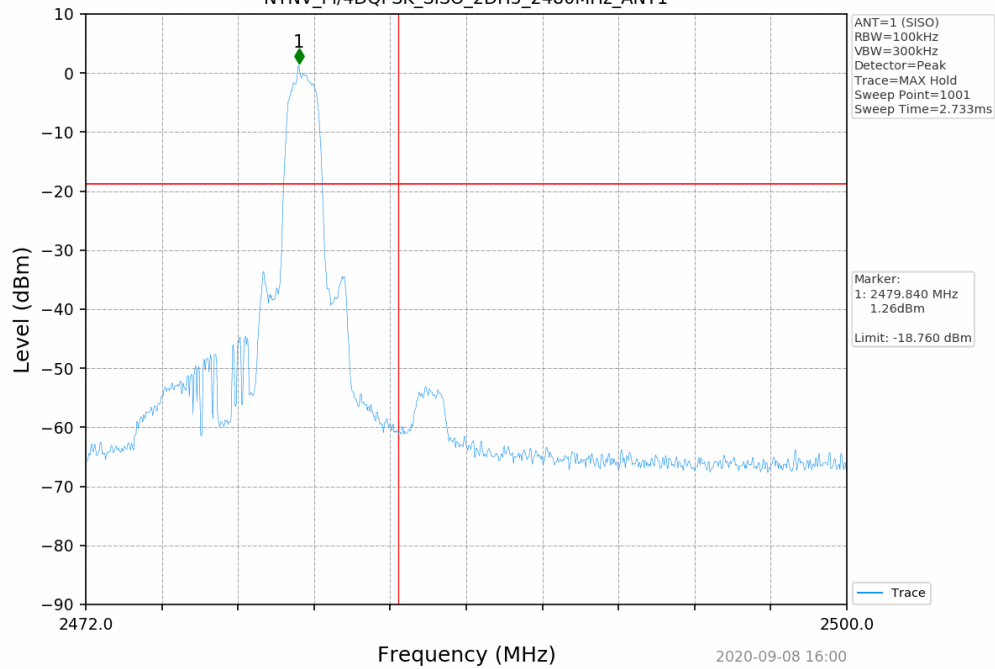
Unwanted Emissions in Non-restricted Frequency Bands
NTNV_Pi/4DQPSK_SISO_2DH5_2402MHz_ANT1

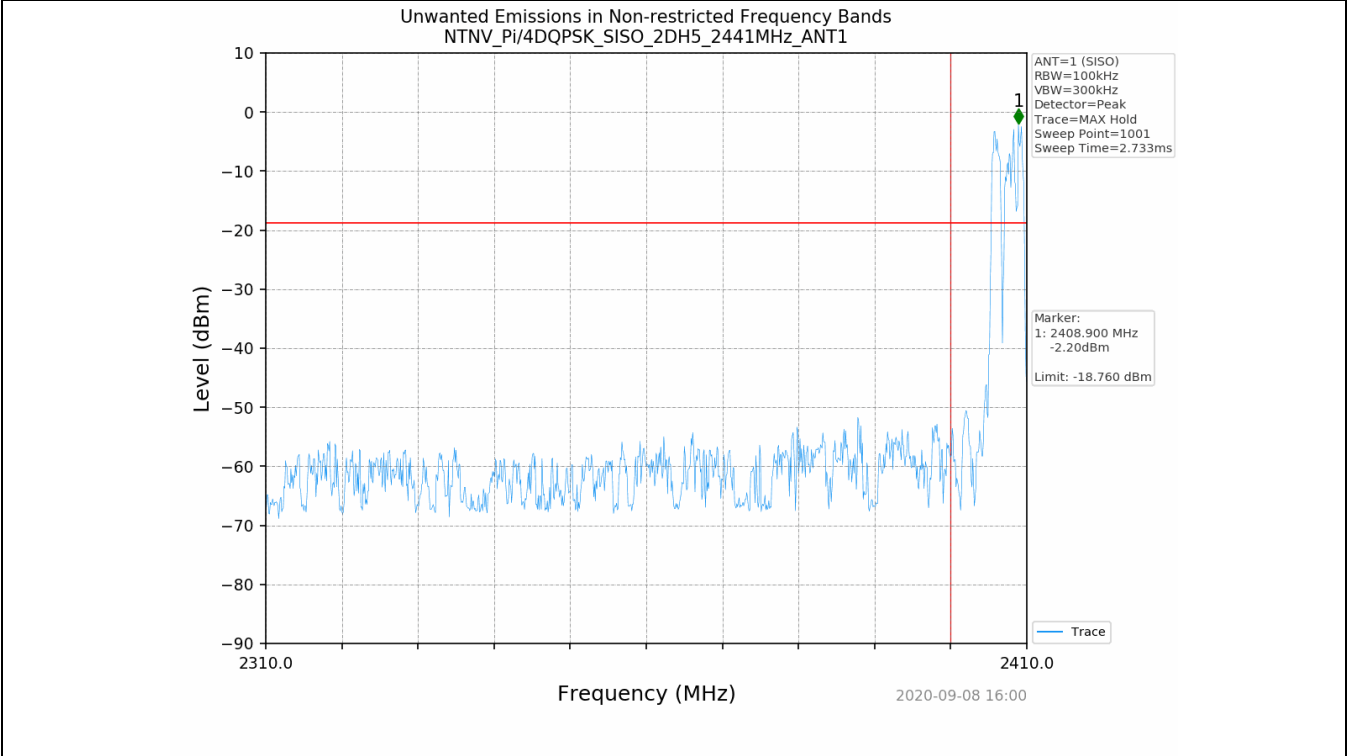
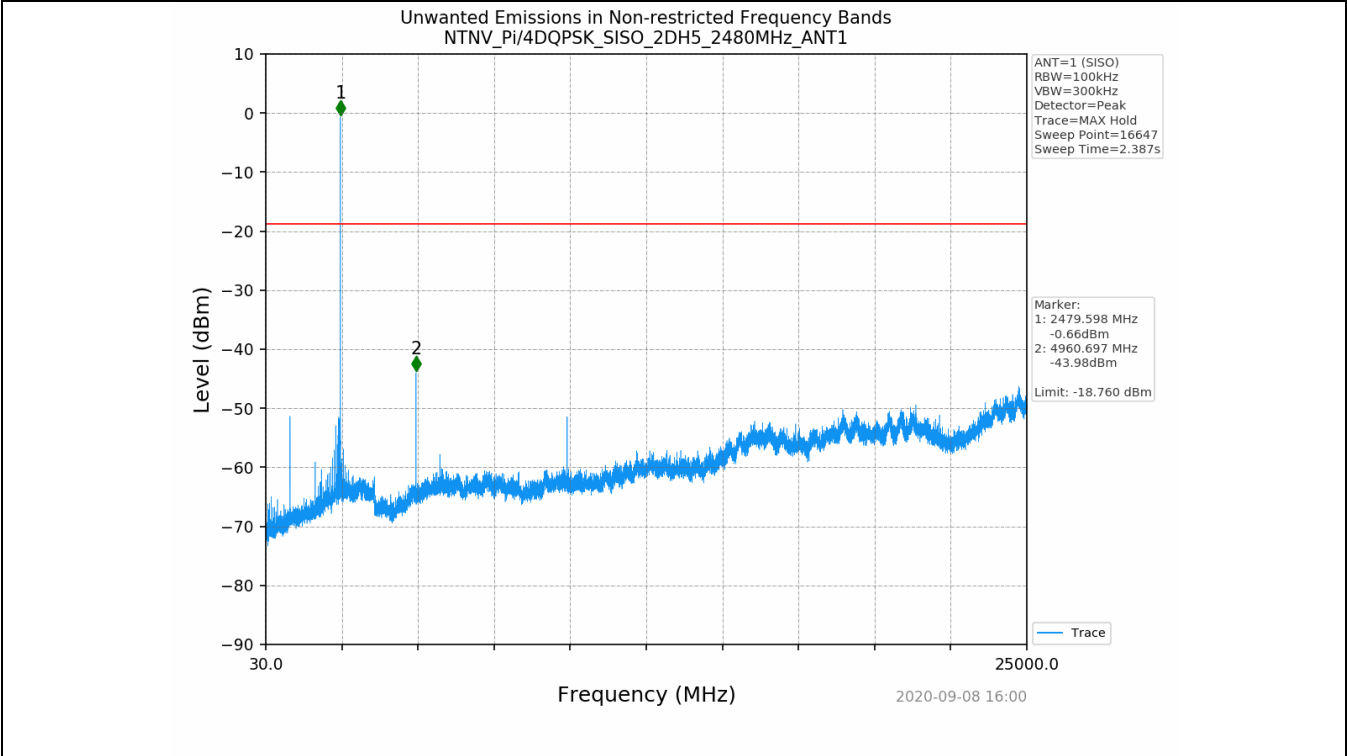


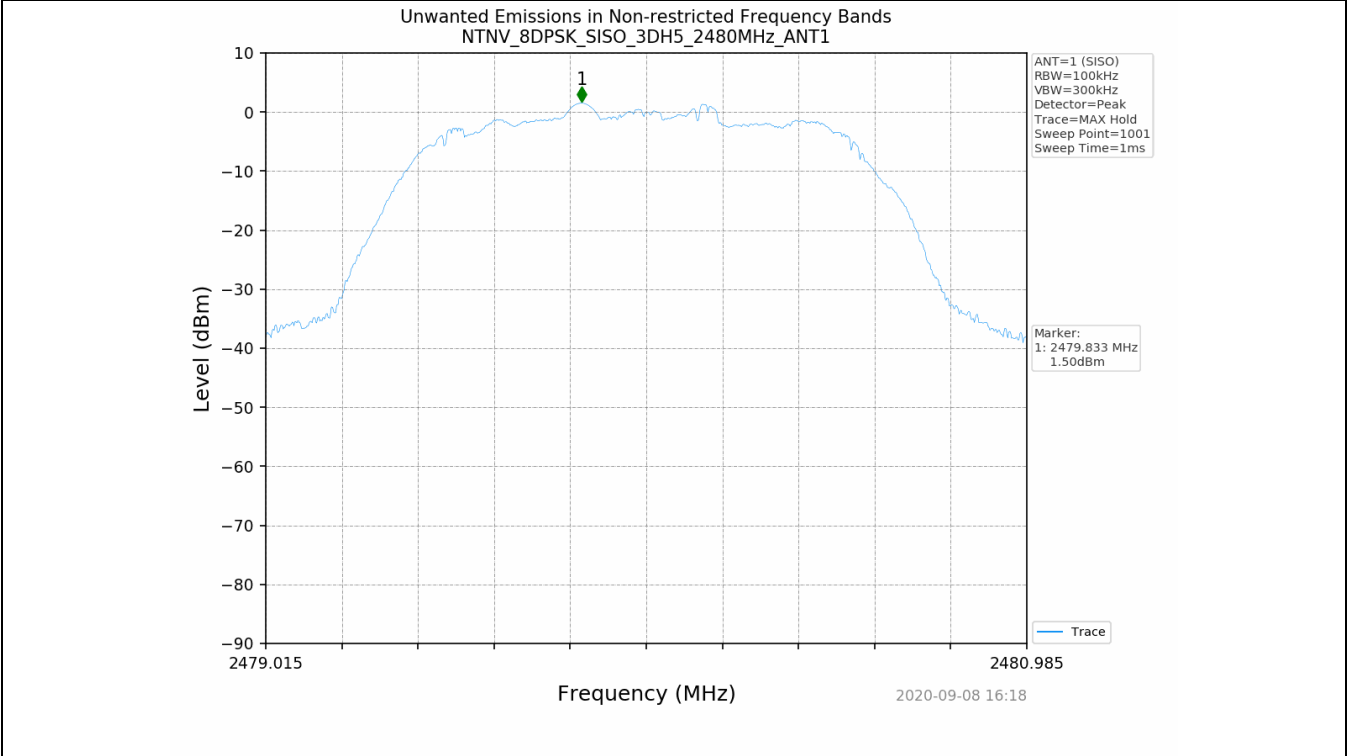
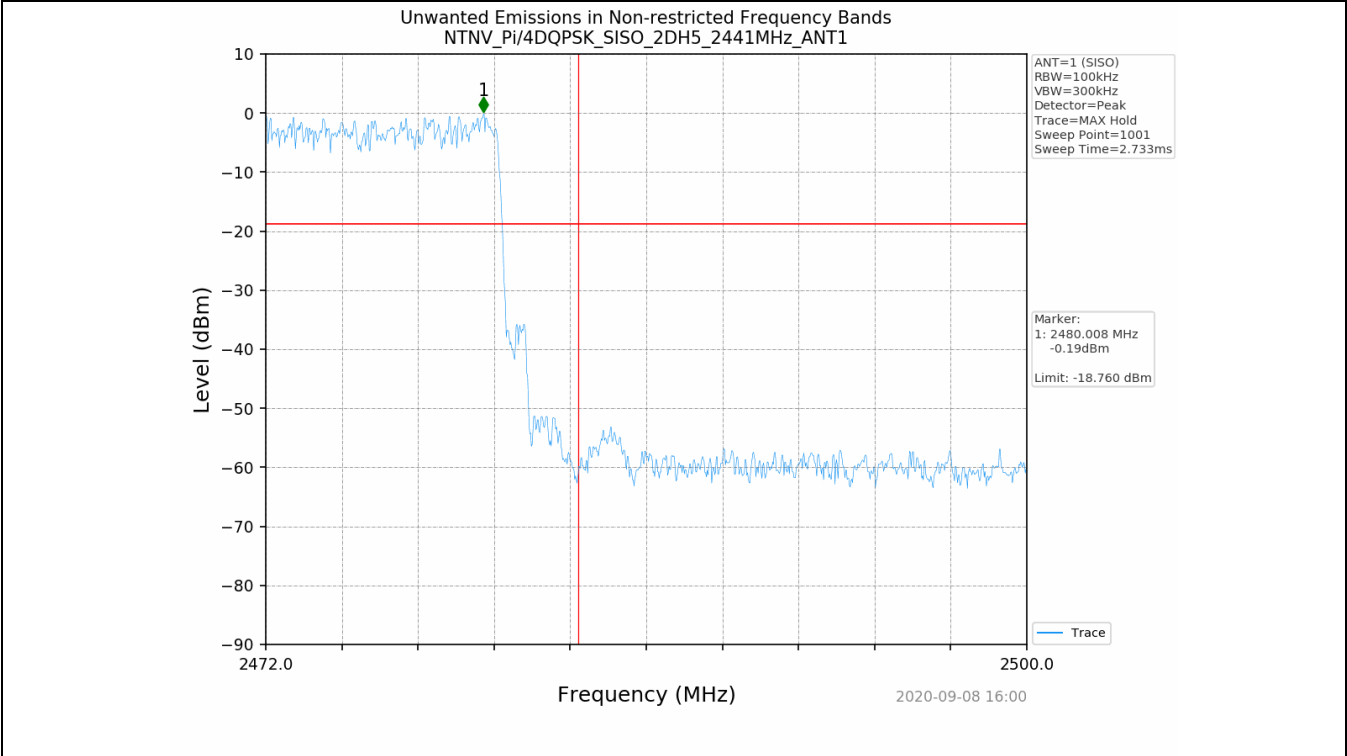
Unwanted Emissions in Non-restricted Frequency Bands
NTNV_Pi/4DQPSK_SISO_2DH5_2441MHz_ANT1



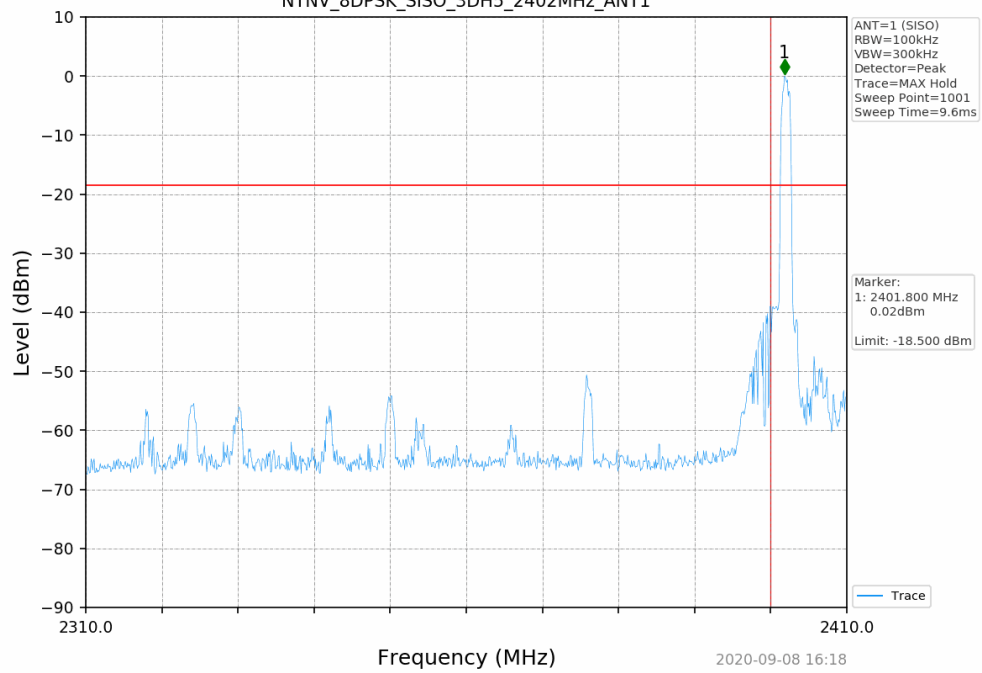
Unwanted Emissions in Non-restricted Frequency Bands
NTNV_Pi/4DQPSK_SISO_2DH5_2480MHz_ANT1



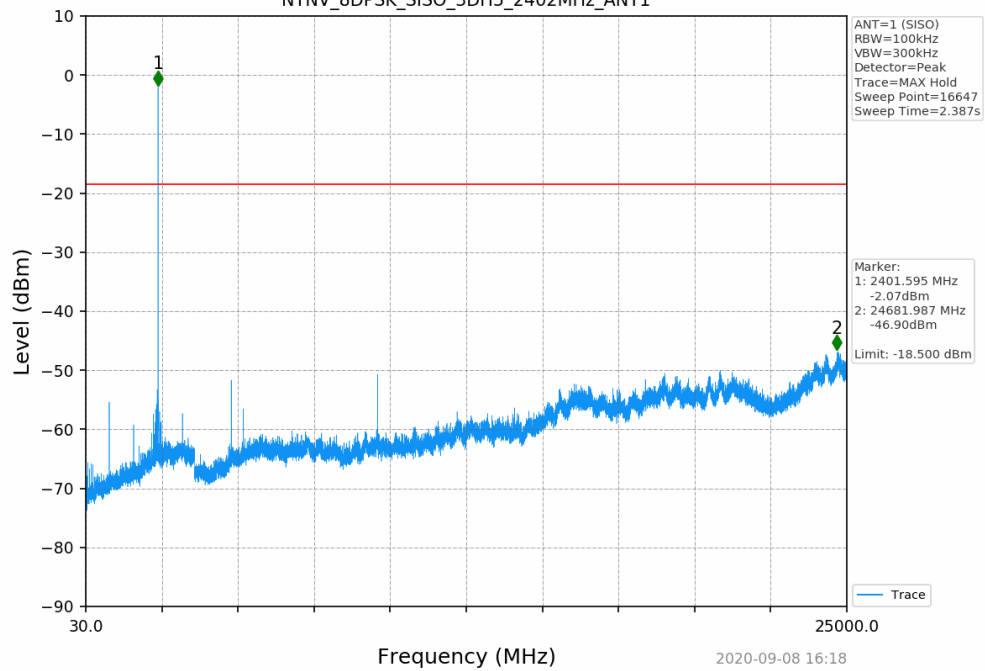


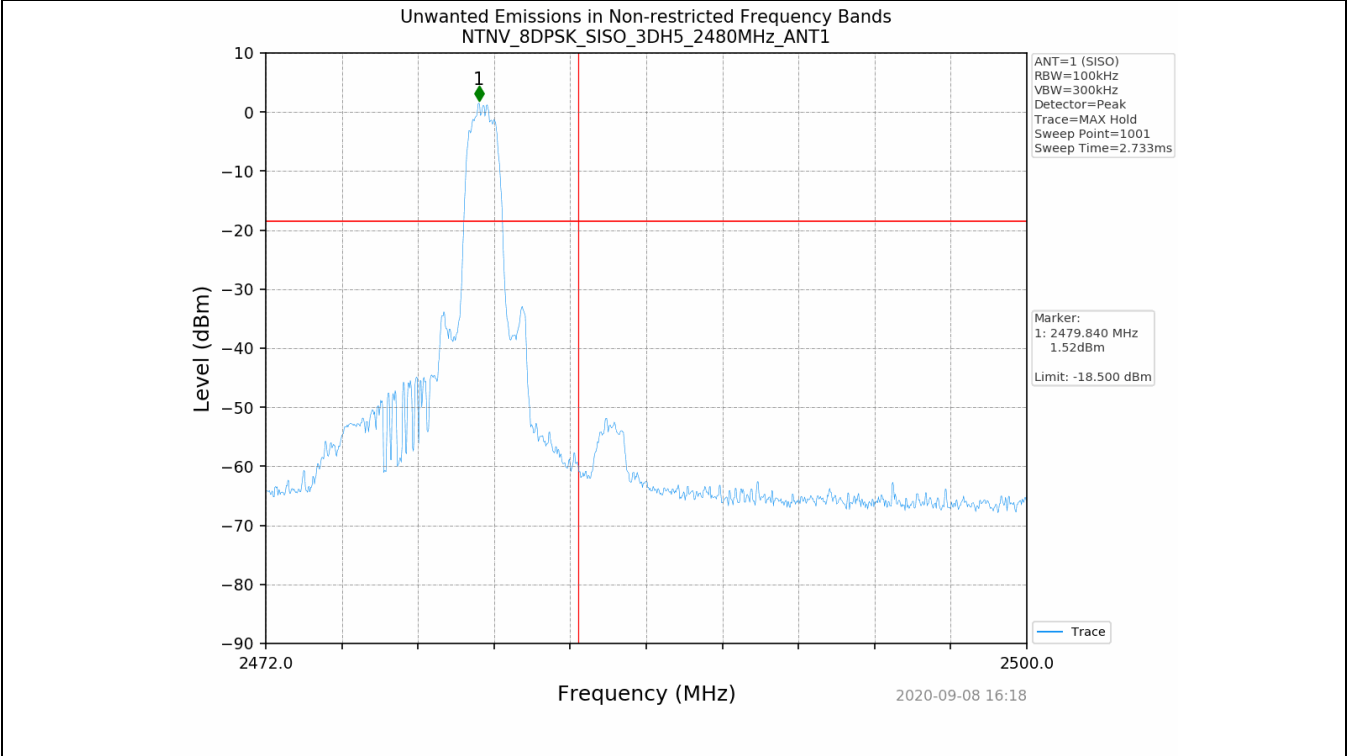
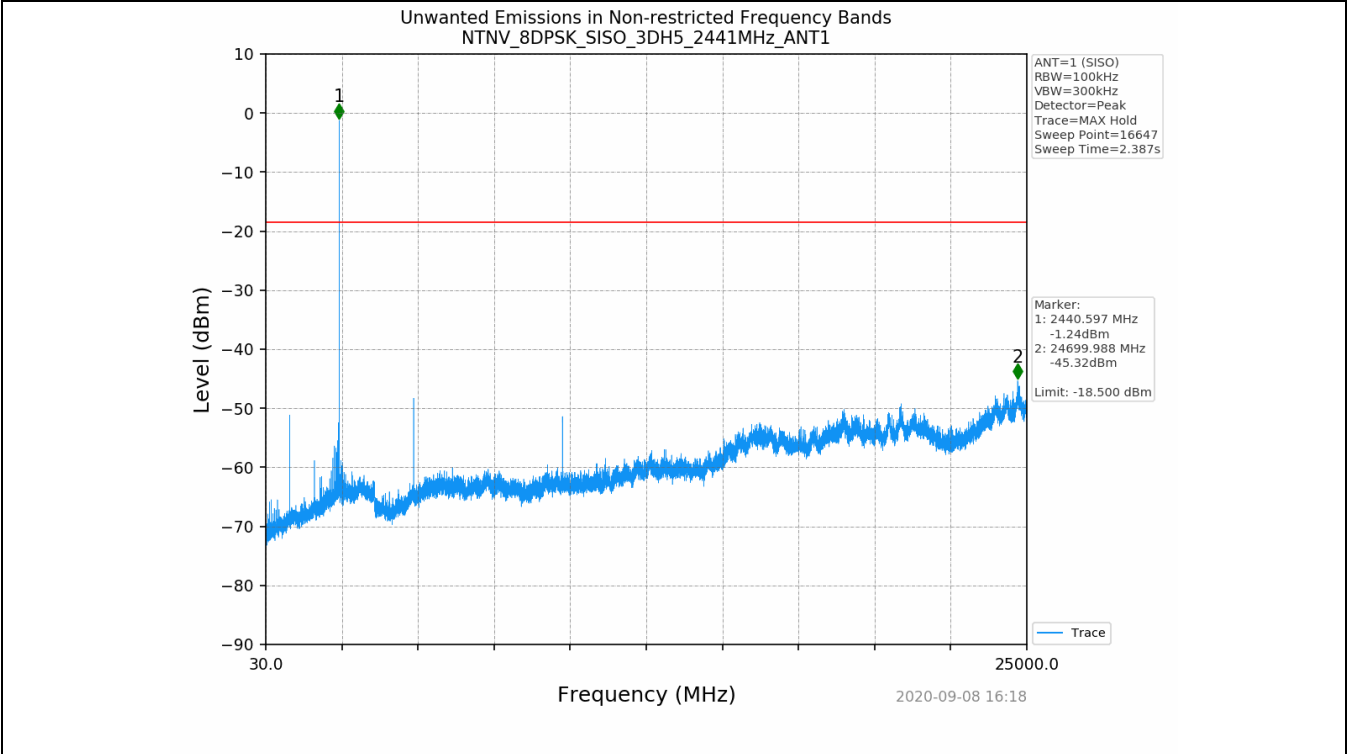


Unwanted Emissions in Non-restricted Frequency Bands
NTNV_8DPSK_SISO_3DH5_2402MHz_ANT1

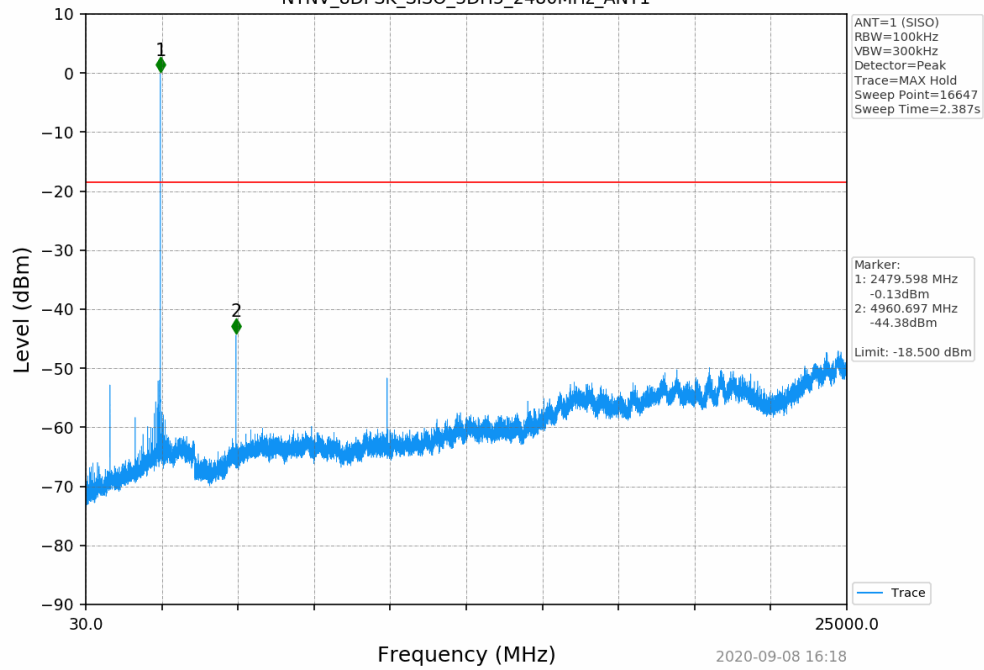


Unwanted Emissions in Non-restricted Frequency Bands
NTNV_8DPSK_SISO_3DH5_2402MHz_ANT1

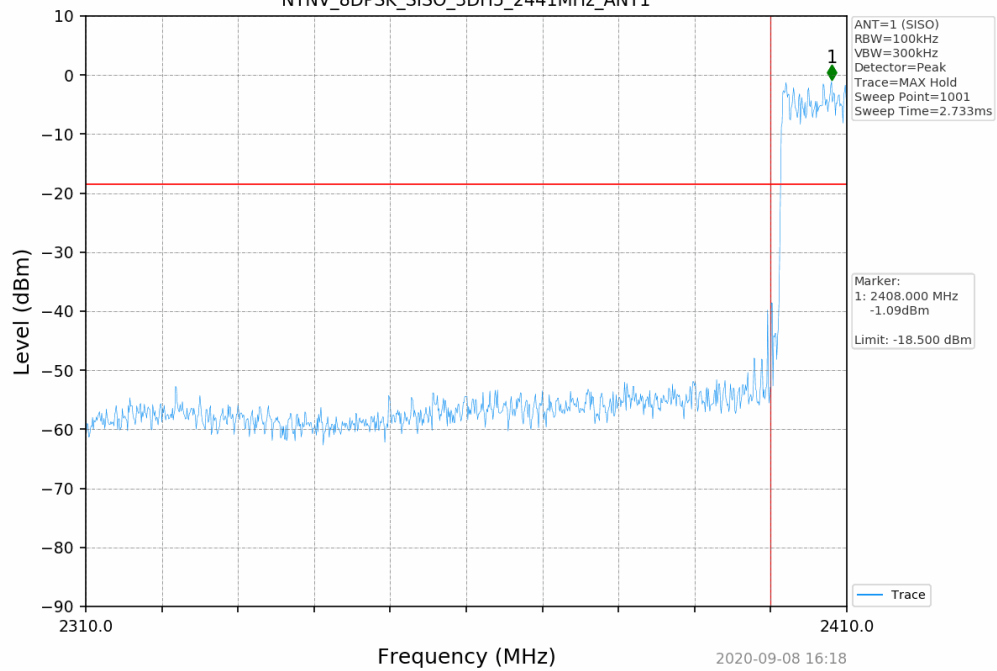




Unwanted Emissions in Non-restricted Frequency Bands
NTNV_8DPSK_SISO_3DH5_2480MHz_ANT1



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

