

Appendix B for KSEM200800098002

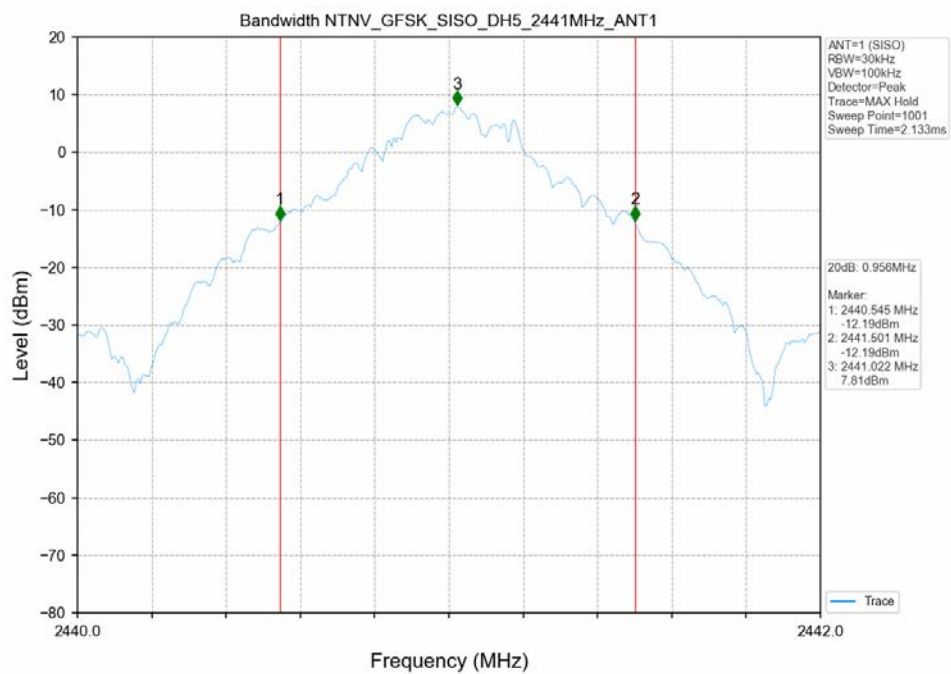
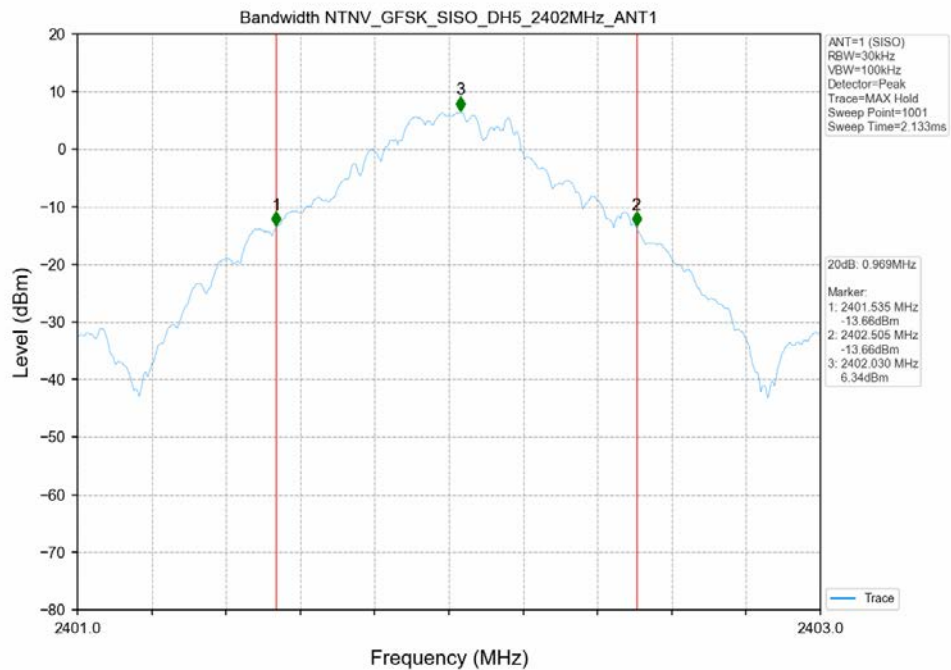
1. Bandwidth

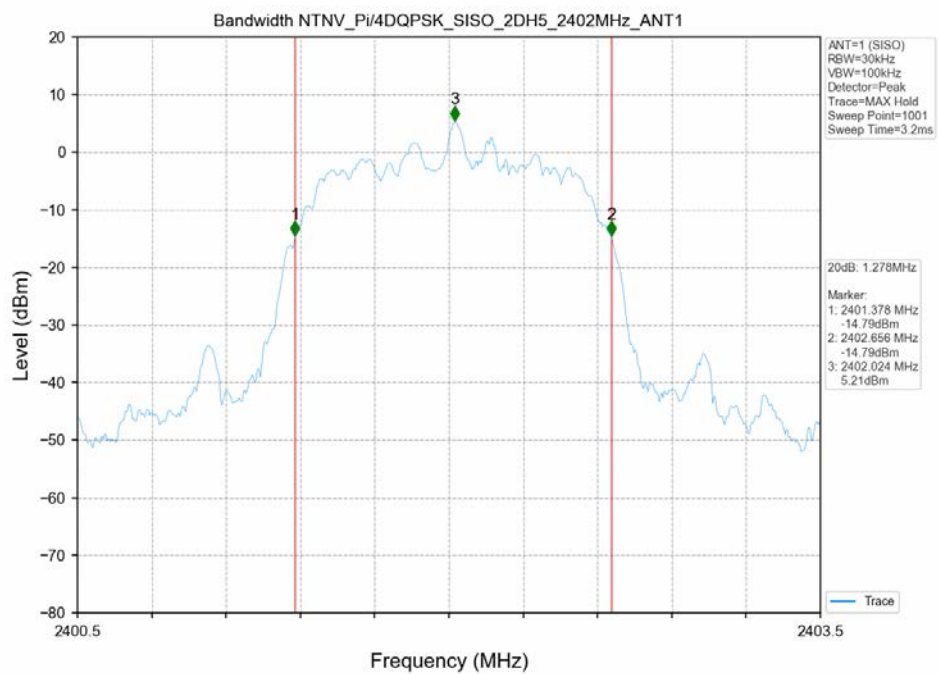
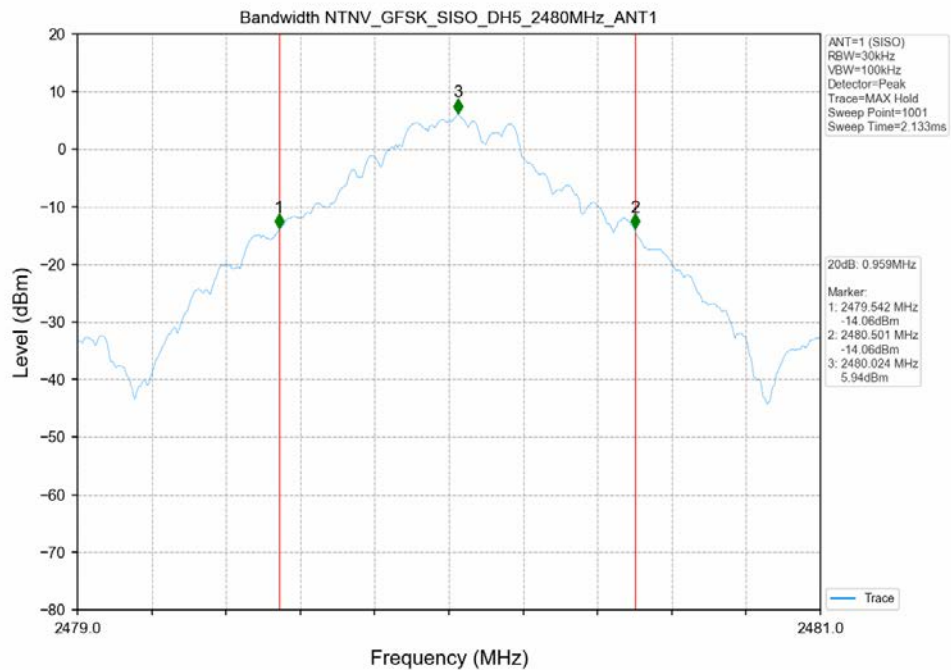
1.1 Test Result

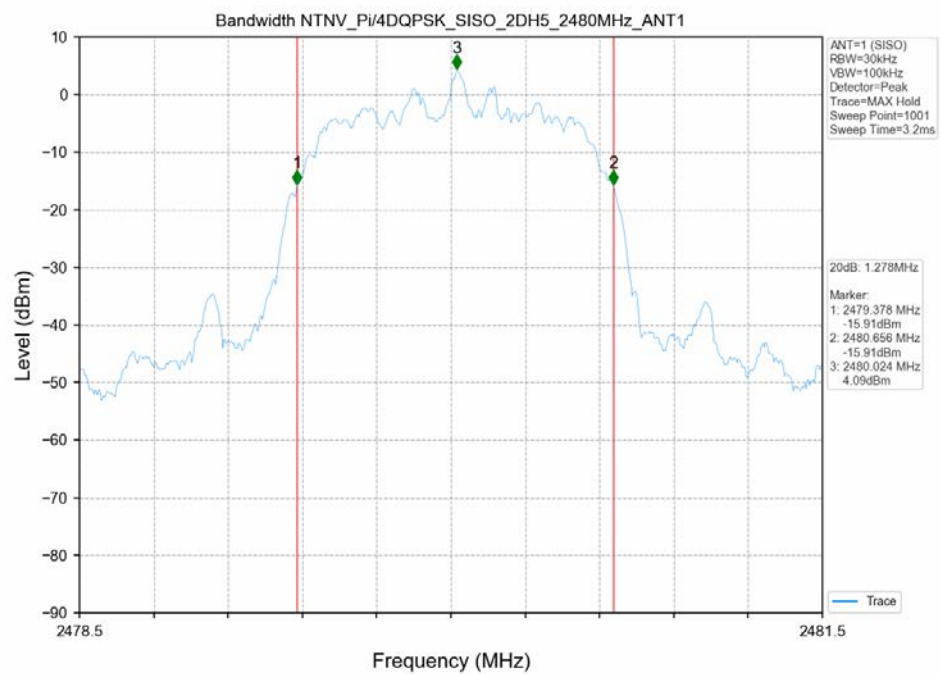
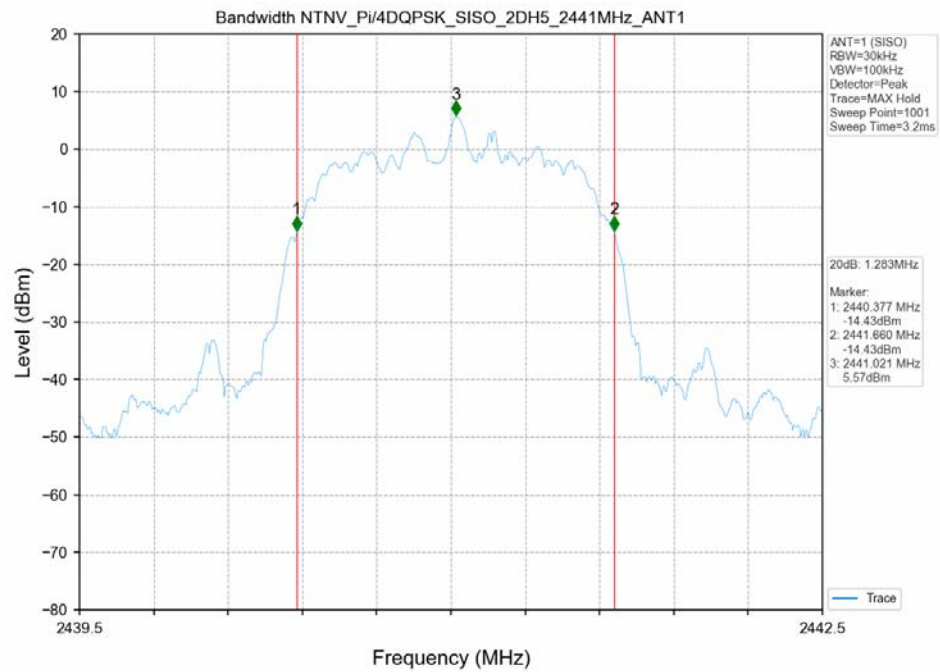
Test Mode	Frequency (MHz)	TX Type	ANT No.	20dB Bandwidth	Verdict
				Test Result (MHz)	
GFSK	2402	SISO	1	0.969	PASS
	2441	SISO	1	0.956	PASS
	2480	SISO	1	0.959	PASS
Pi/4DQPSK	2402	SISO	1	1.278	PASS
	2441	SISO	1	1.283	PASS
	2480	SISO	1	1.278	PASS
8DPSK	2402	SISO	1	1.300	PASS
	2441	SISO	1	1.293	PASS
	2480	SISO	1	1.293	PASS

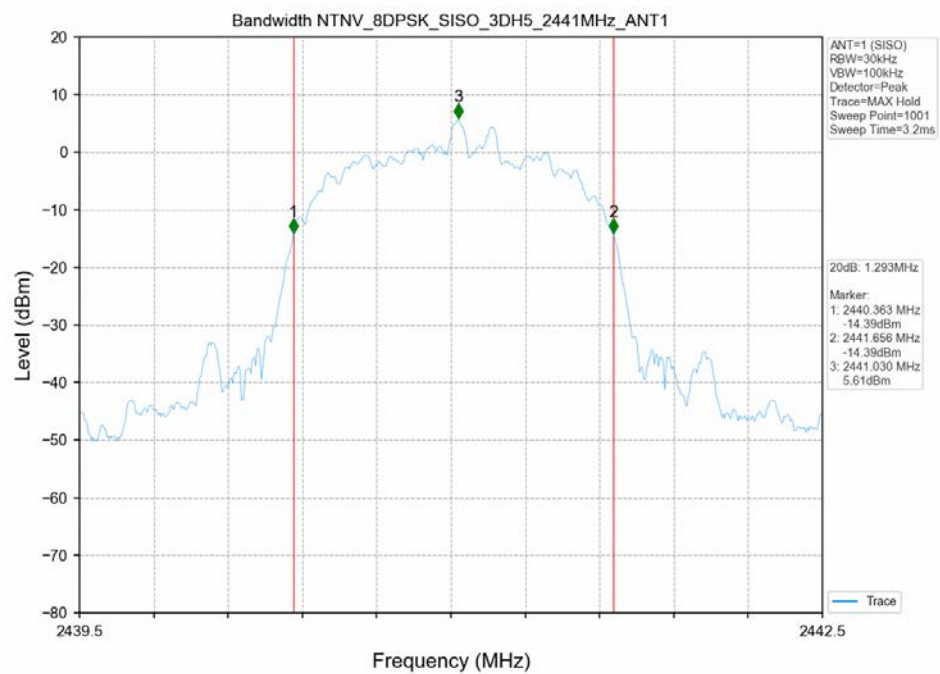
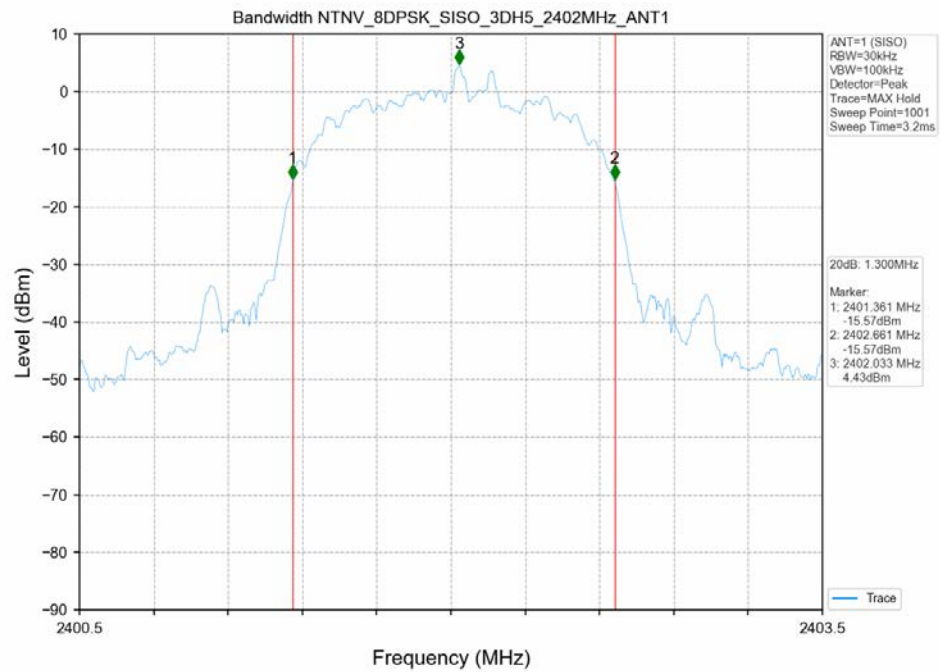
Test Mode	Frequency (MHz)	TX Type	ANT No.	99% Occupied Bandwidth	
				Test Result (MHz)	
GFSK	2402	SISO	1	0.896	Only for Report Use
	2441	SISO	1	0.895	Only for Report Use
	2480	SISO	1	0.897	Only for Report Use
Pi/4DQPSK	2402	SISO	1	1.172	Only for Report Use
	2441	SISO	1	1.170	Only for Report Use
	2480	SISO	1	1.172	Only for Report Use
8DPSK	2402	SISO	1	1.174	Only for Report Use
	2441	SISO	1	1.175	Only for Report Use
	2480	SISO	1	1.176	Only for Report Use

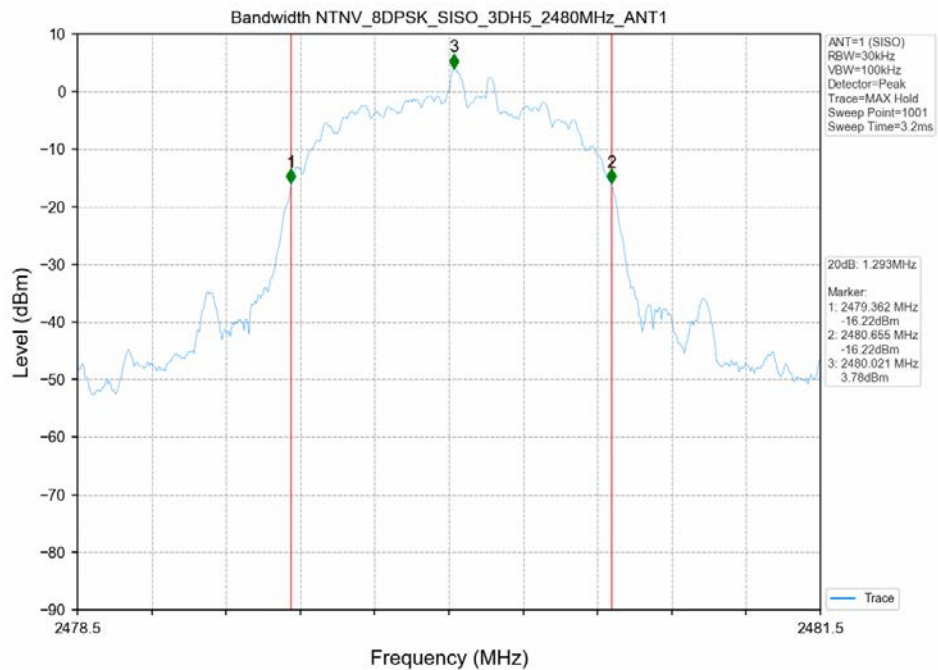
1.2 Test Graph - 20dB Bandwidth



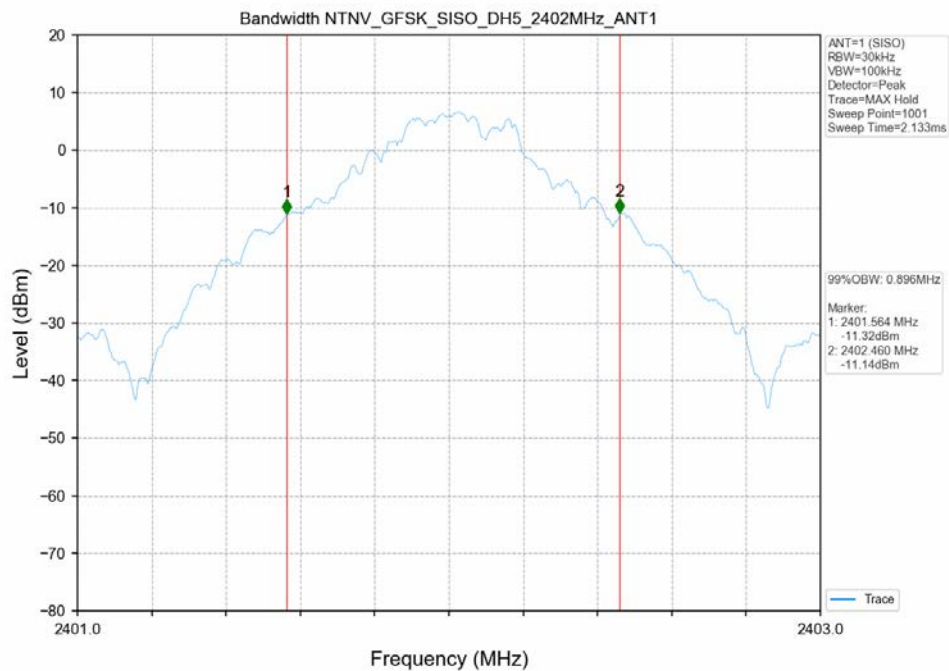


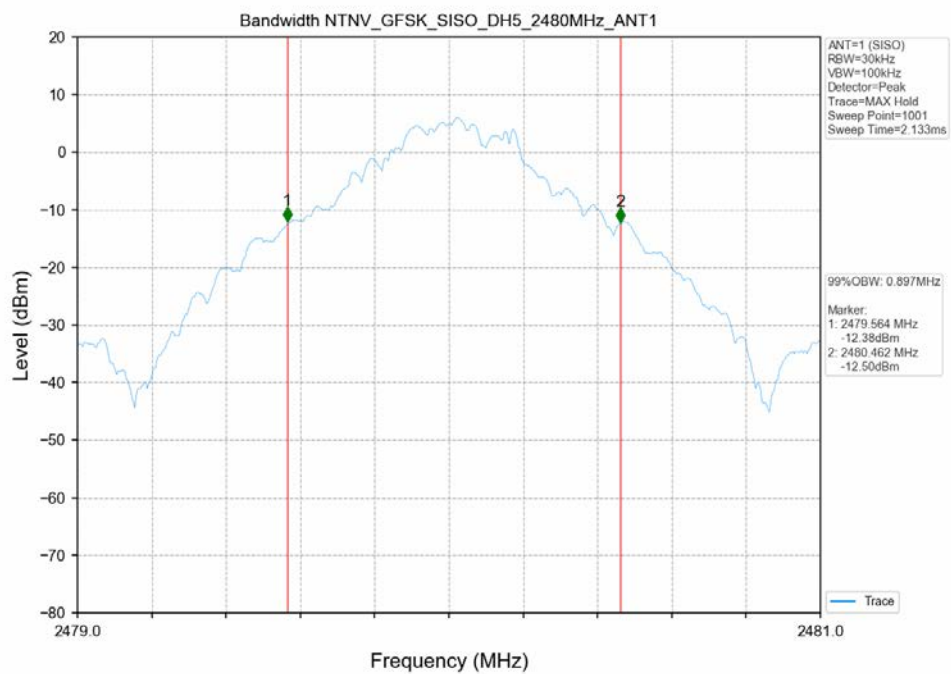
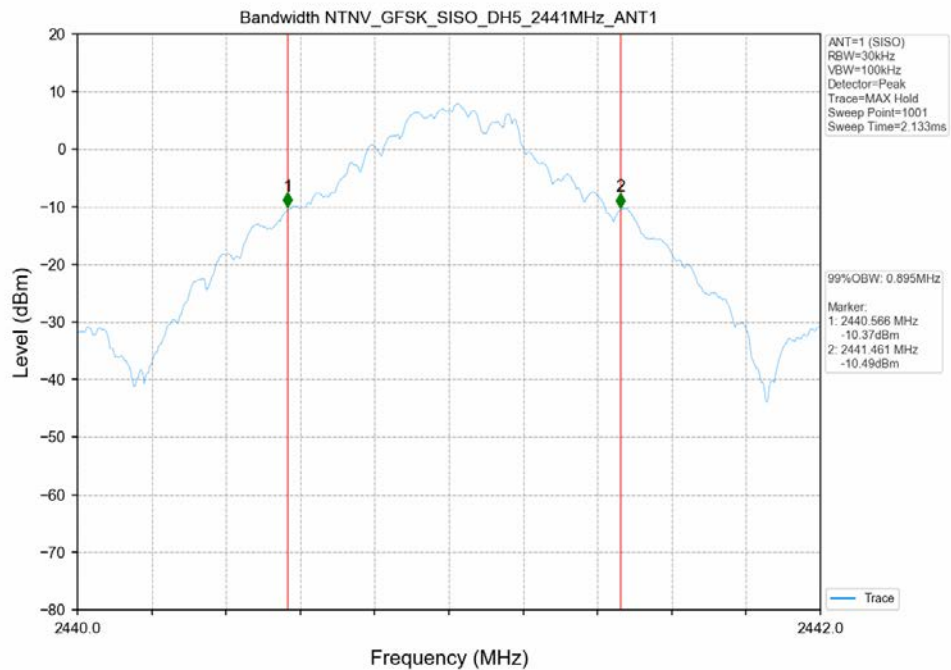


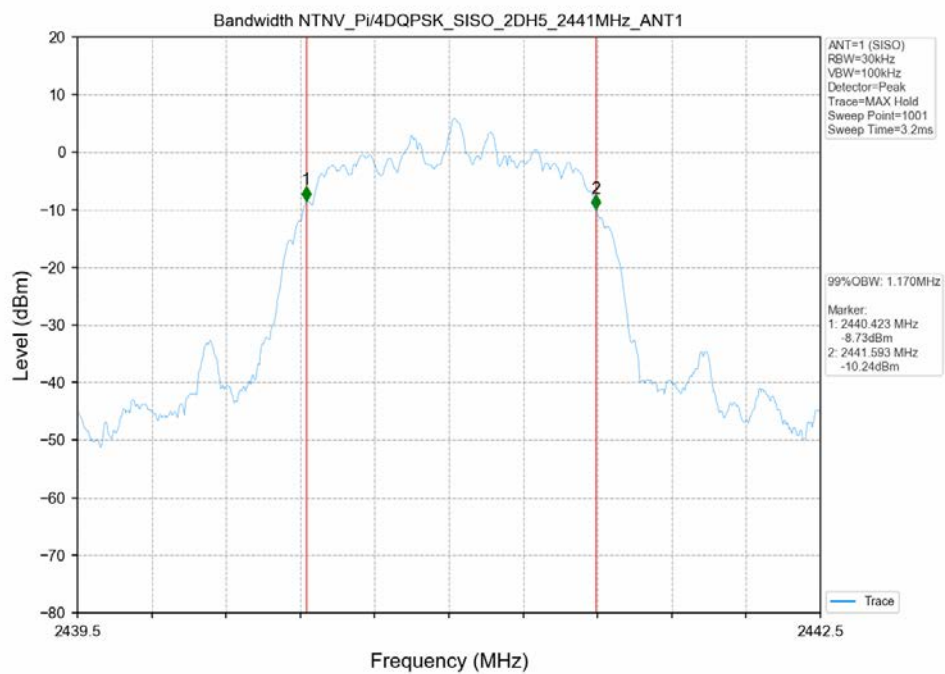
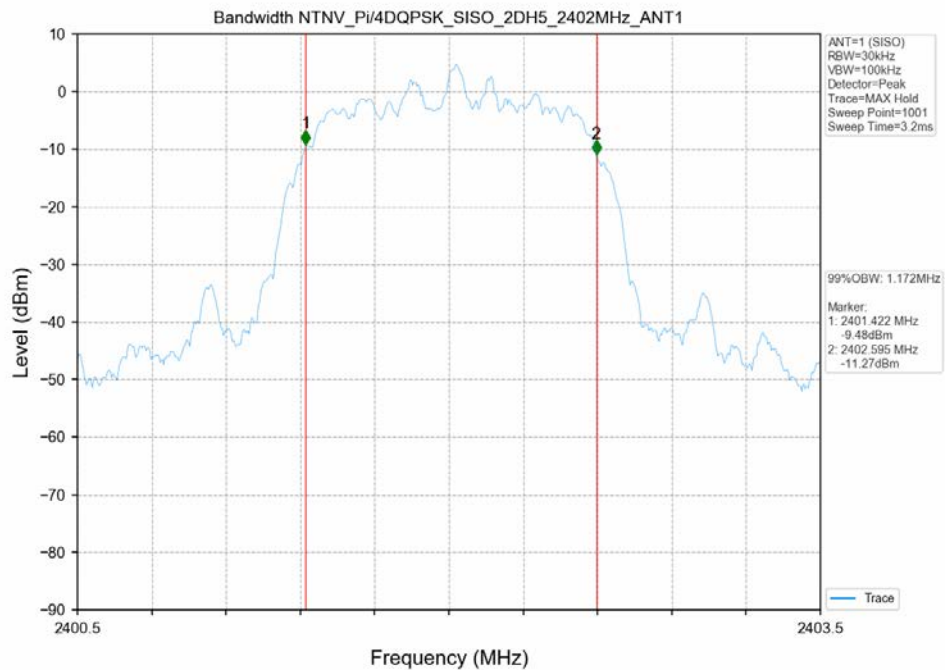


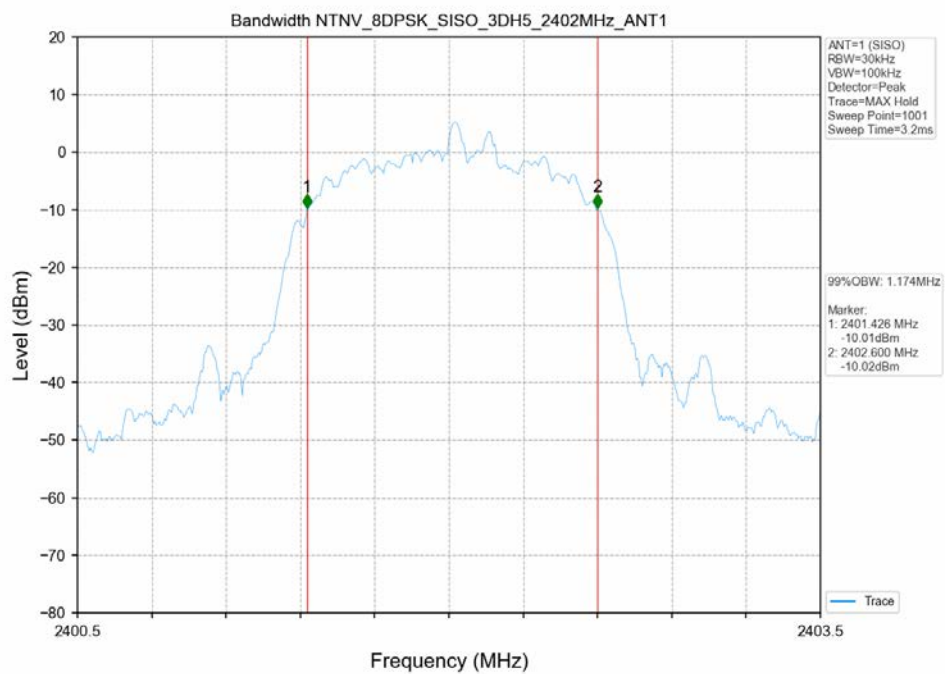
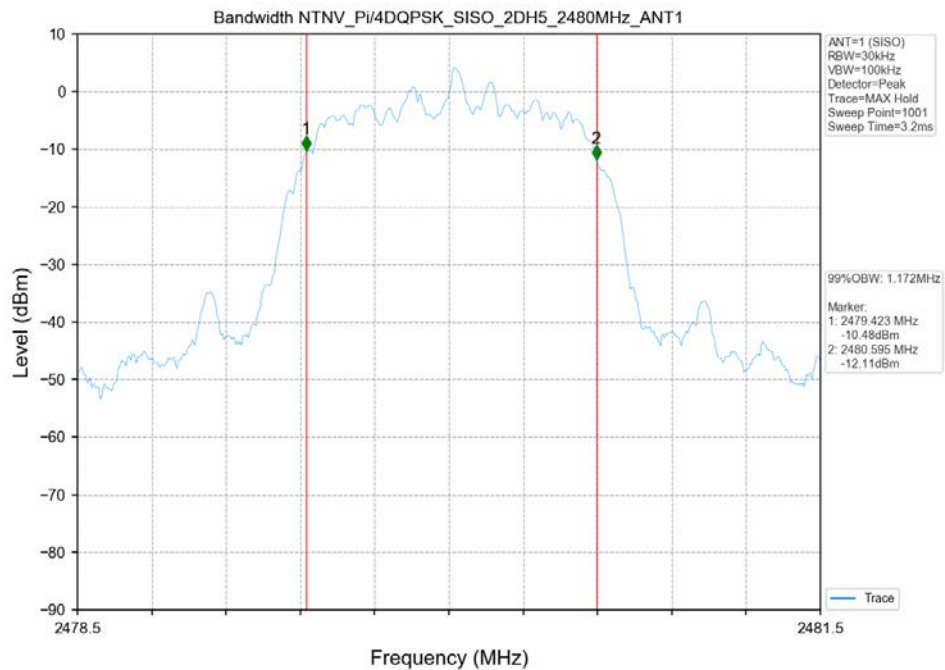


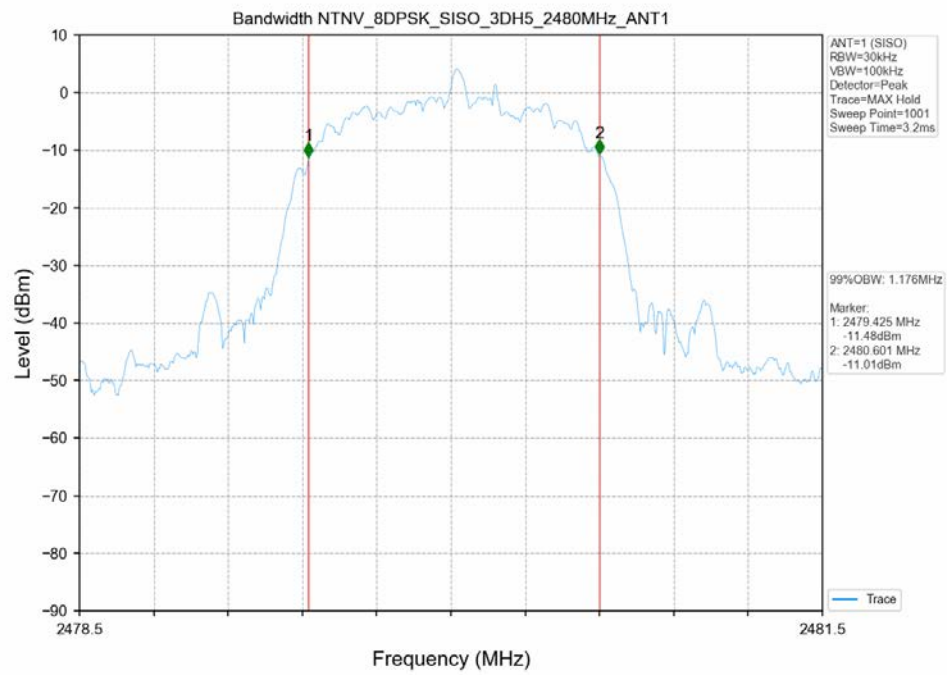
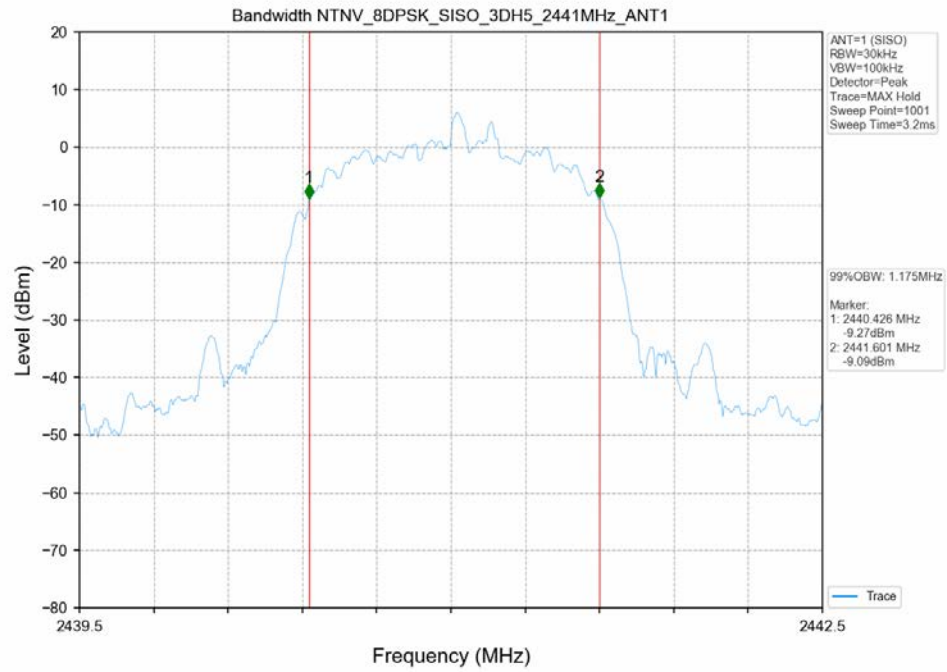
1.3 Test Graph - 99% Occupied Bandwidth









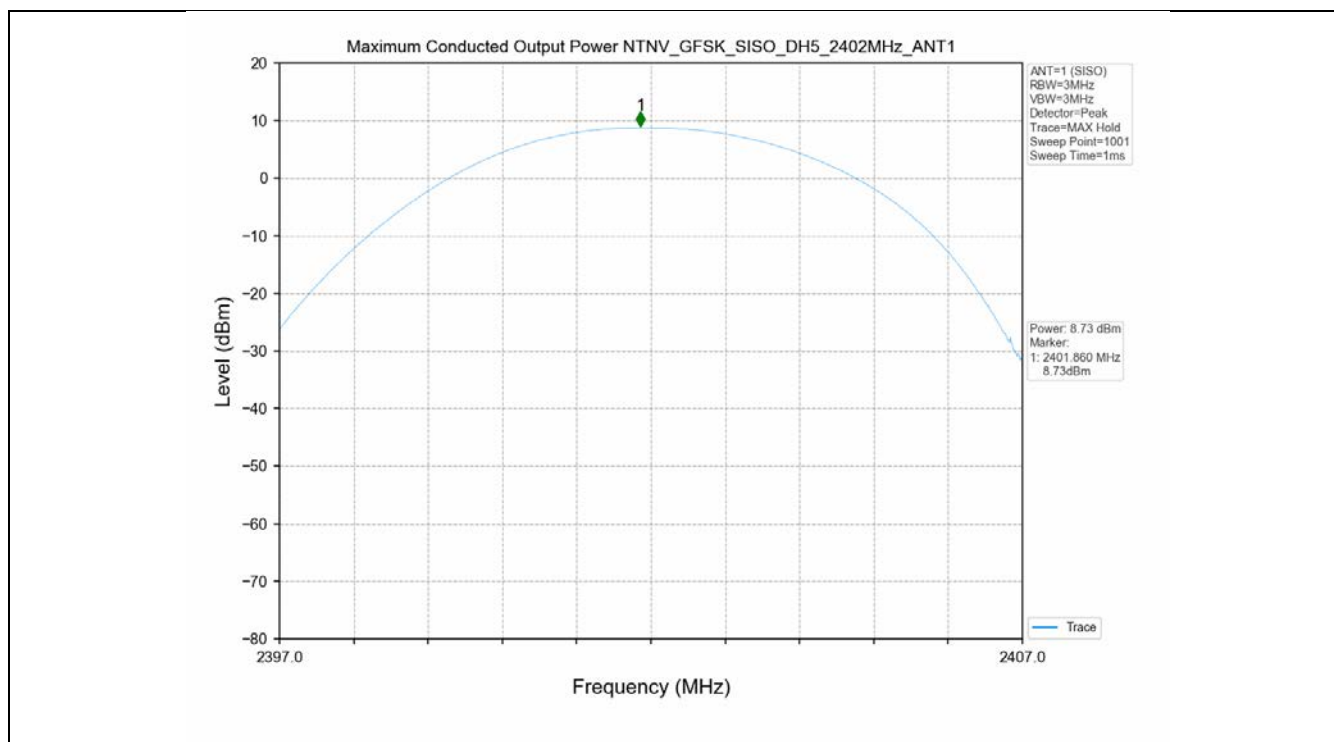


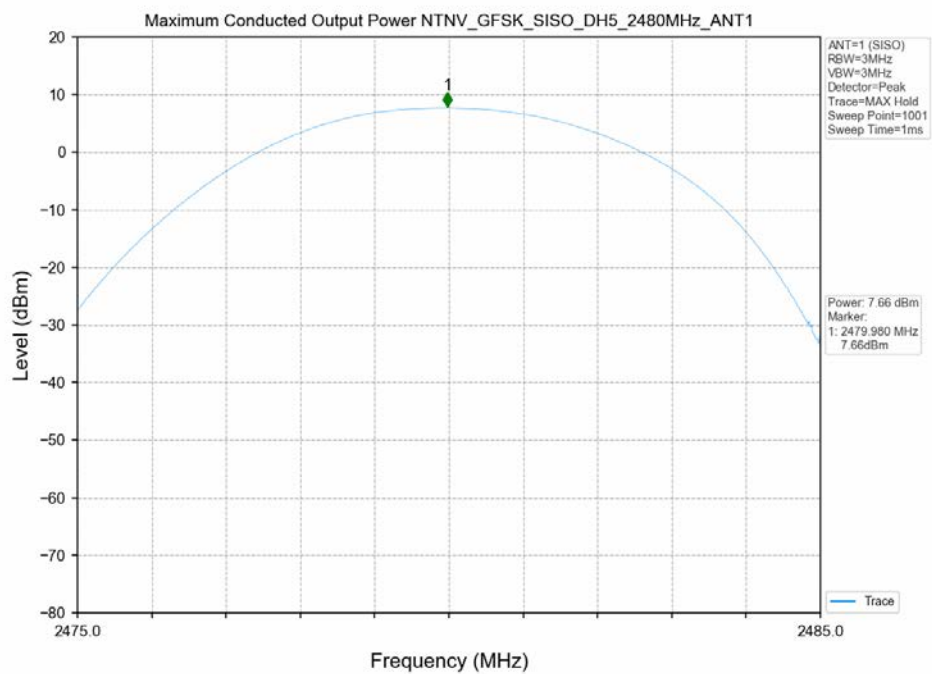
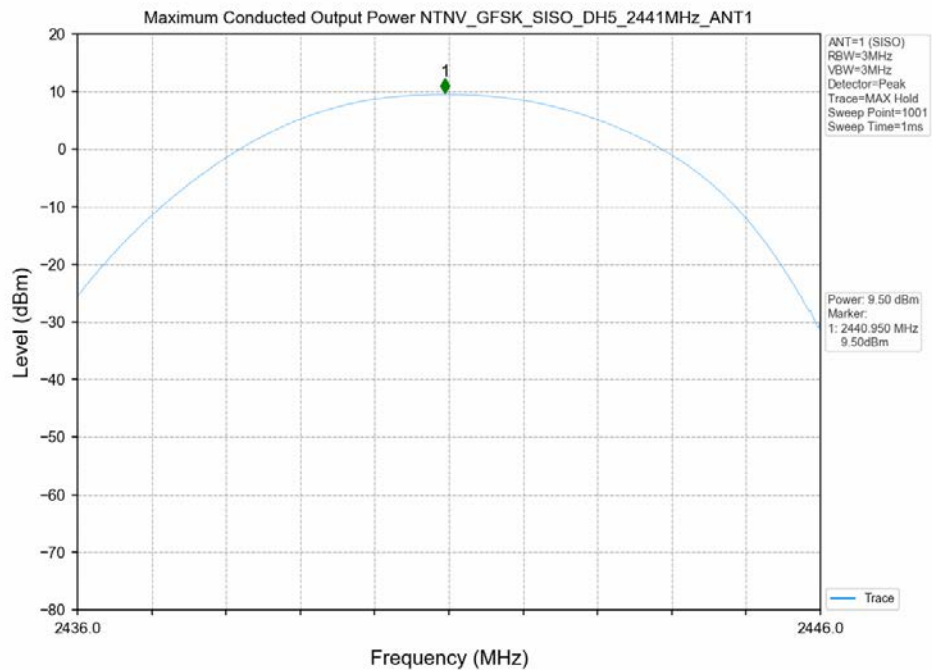
2. Maximum Conducted Output Power

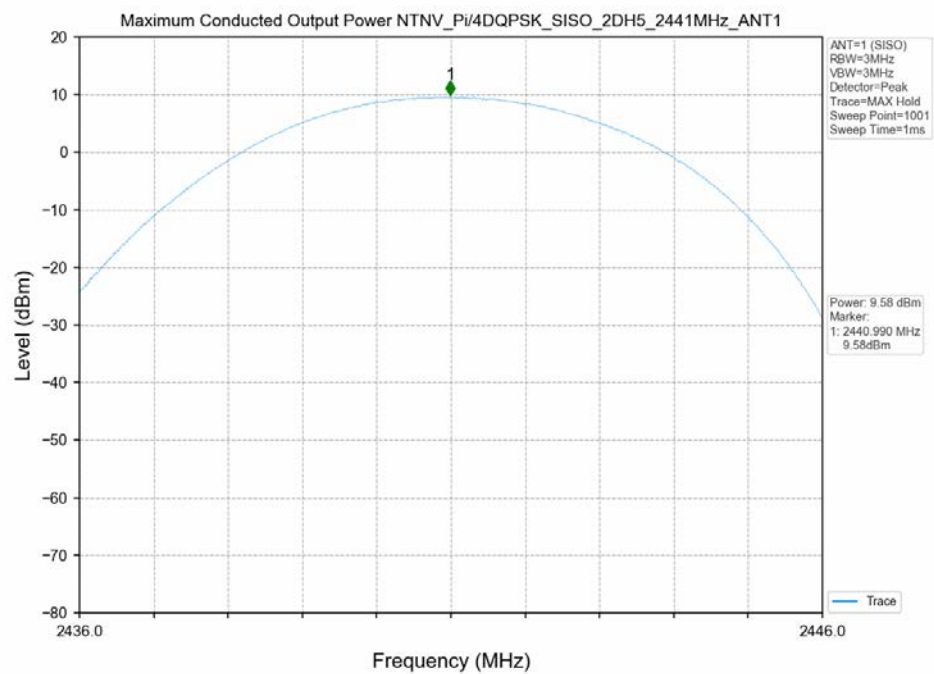
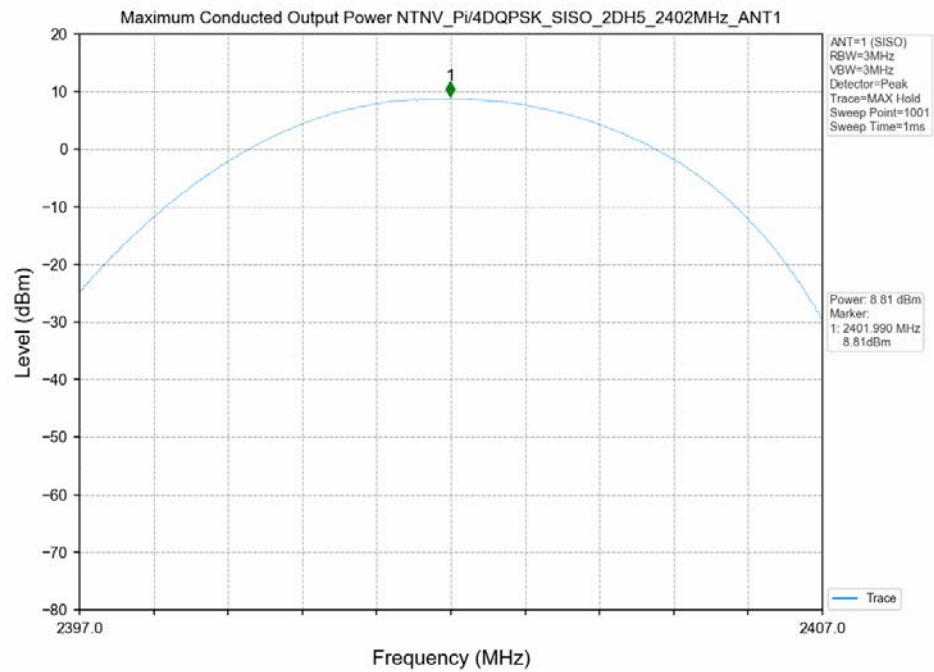
2.1 Test Result

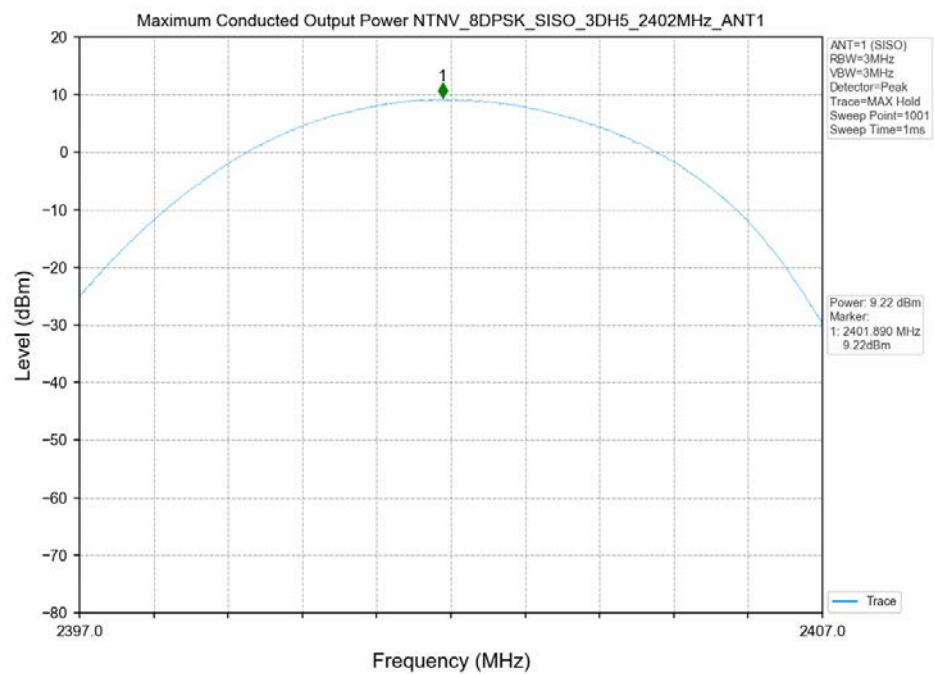
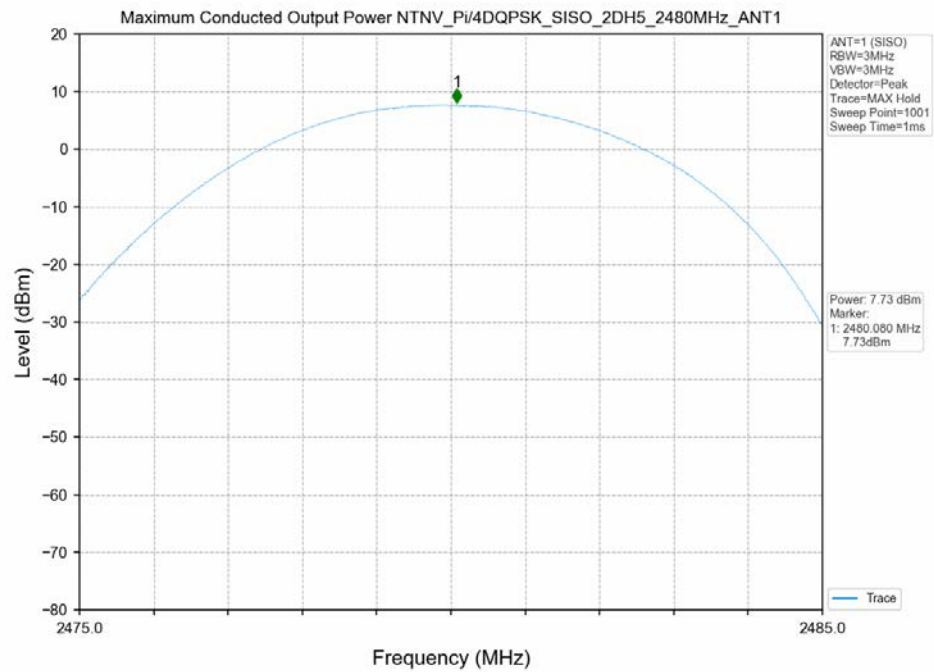
Test Mode	Frequency (MHz)	Tx Type	Measured Peak Output Power (dBm)	Limits (dBm)	Verdict
			Ant 1		
GFSK	2402	SISO	8.73	29.99	PASS
	2441	SISO	9.50	29.99	PASS
	2480	SISO	7.66	29.99	PASS
Pi/4DQPSK	2402	SISO	8.81	20.96	PASS
	2441	SISO	9.58	20.96	PASS
	2480	SISO	7.73	20.96	PASS
8DPSK	2402	SISO	9.22	20.96	PASS
	2441	SISO	9.99	20.96	PASS
	2480	SISO	8.16	20.96	PASS

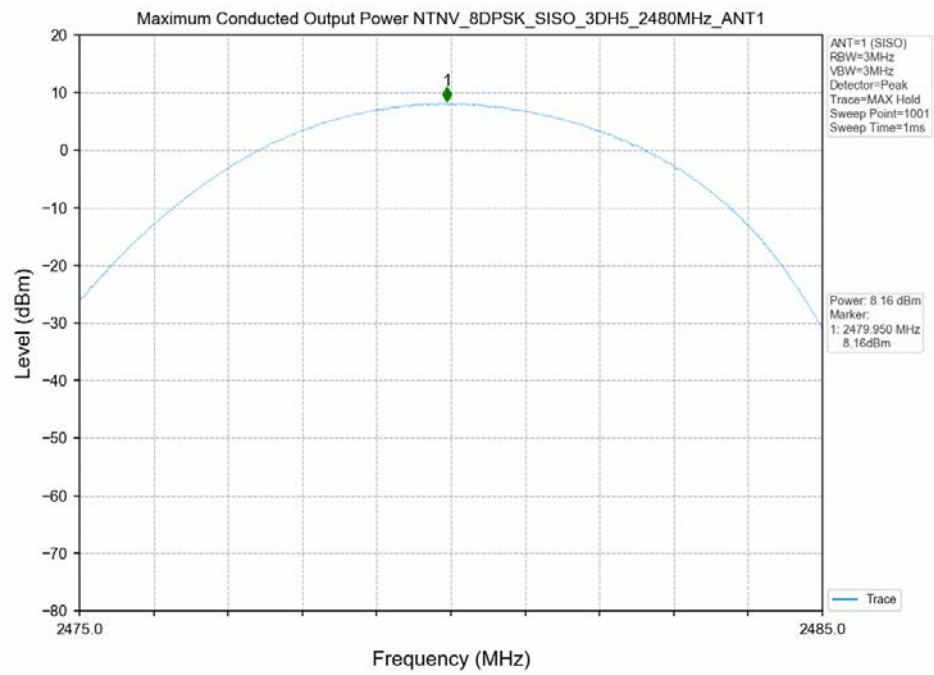
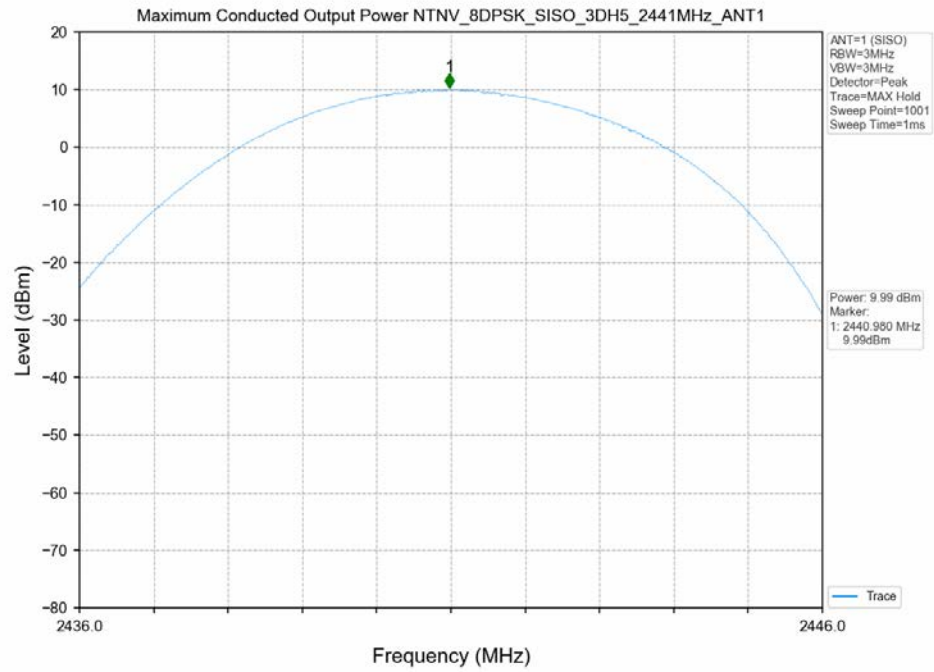
2.2 Test Graph









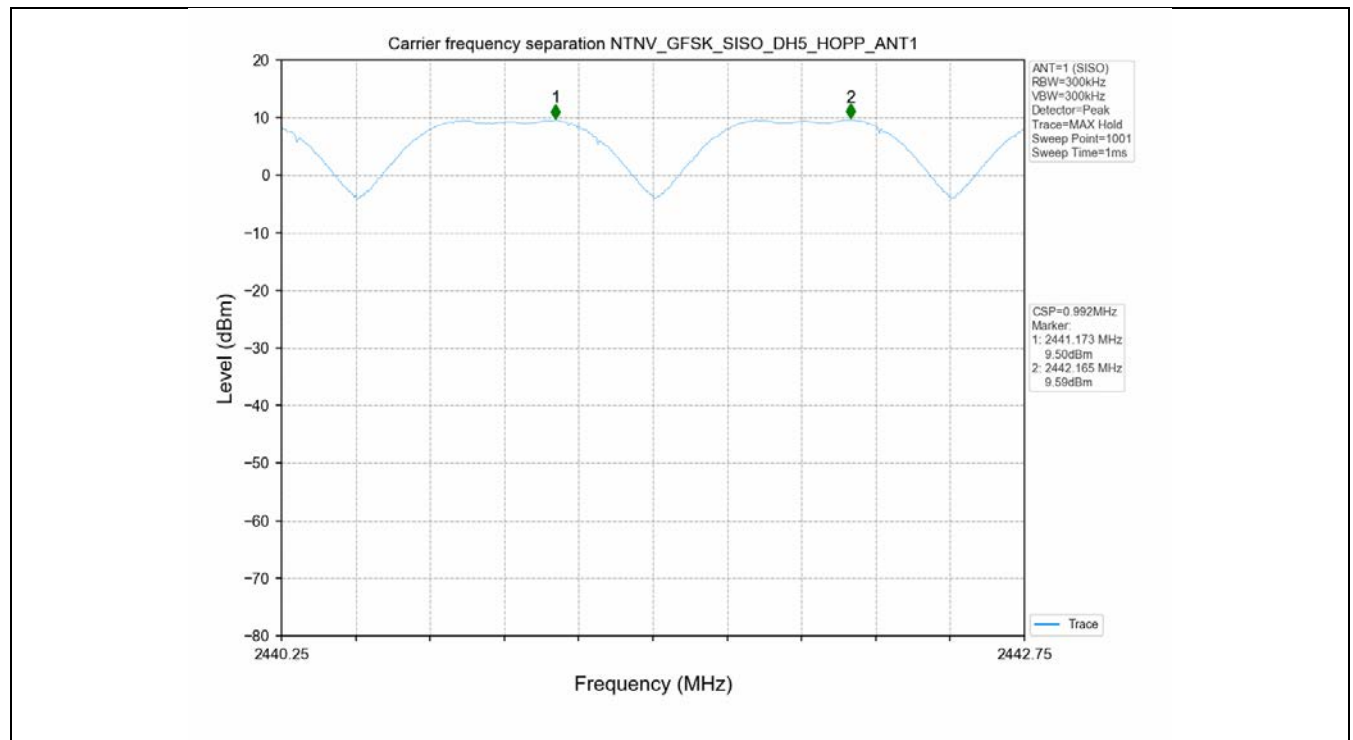


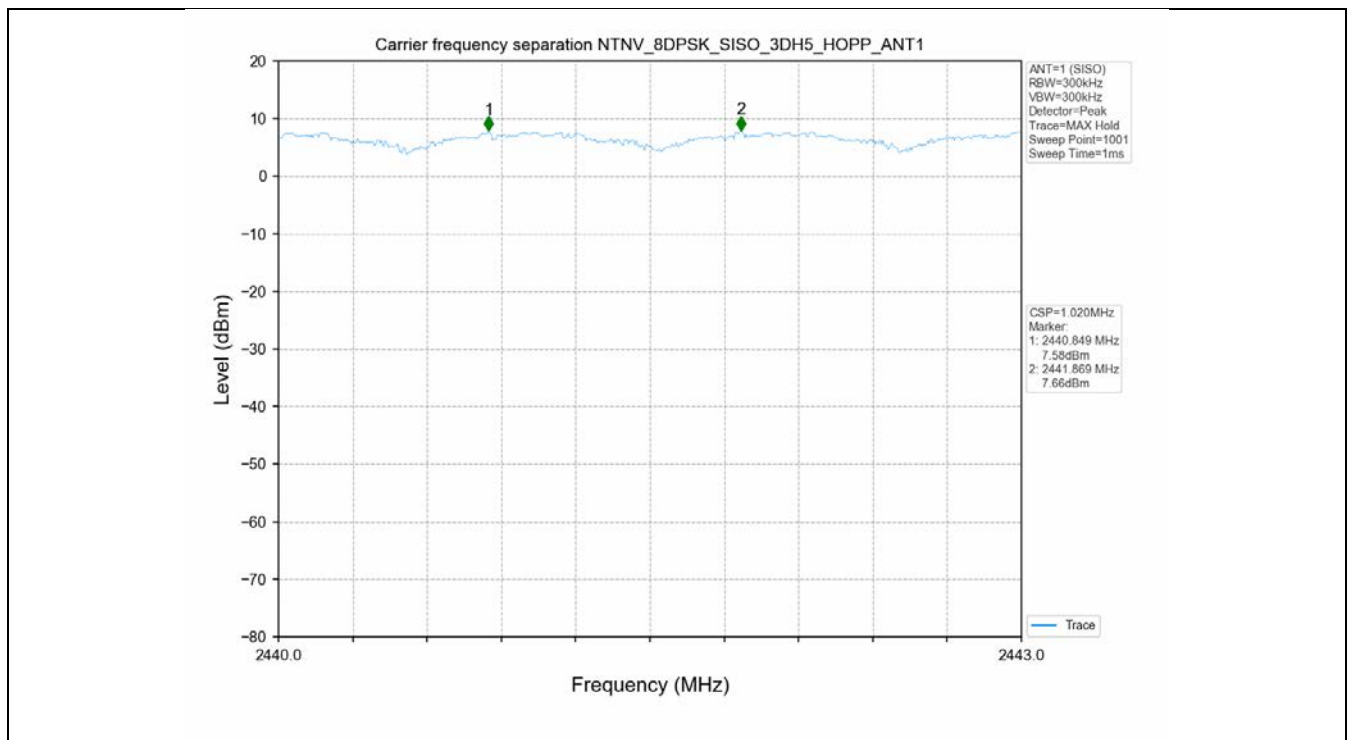
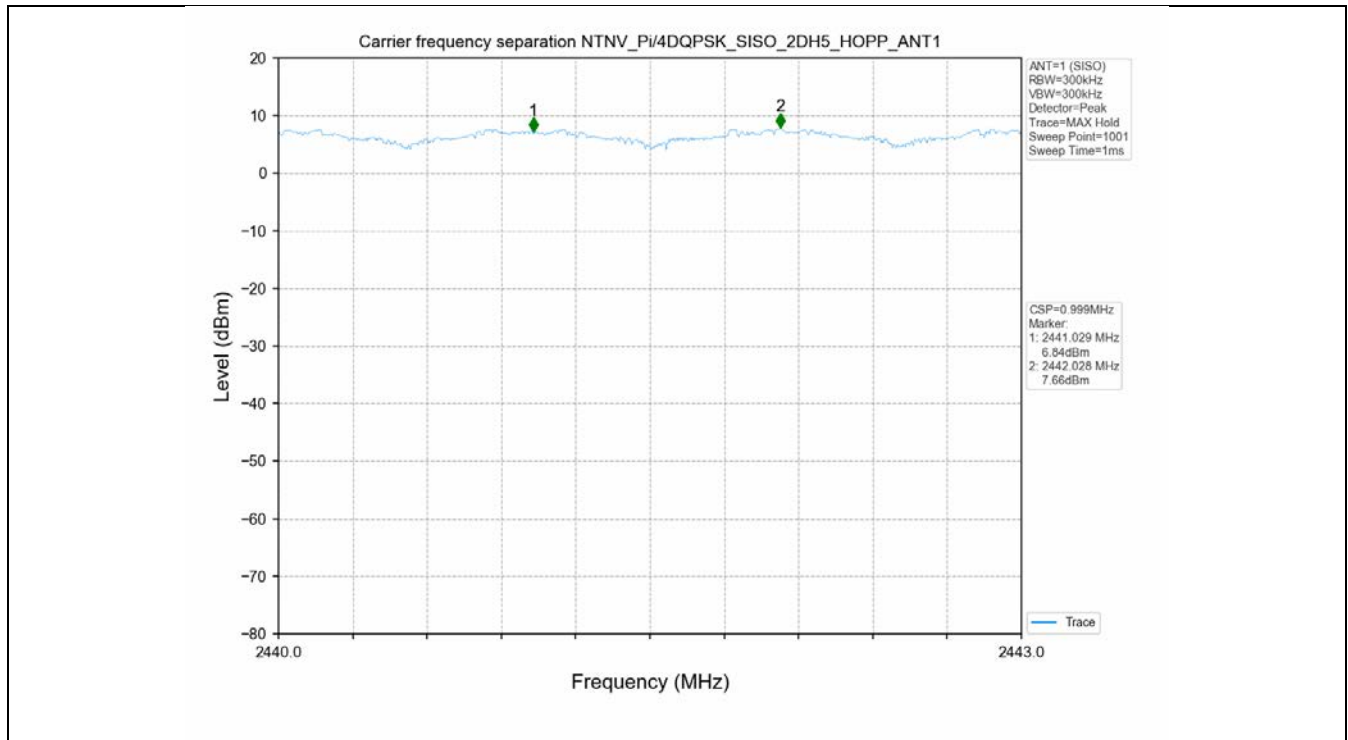
3. Carrier frequency separation

3.1 Test Result

Test Mode	TX Type	ANT No.	Channel Separation (MHz)	20dB Bandwidth (MHz)	Limits (MHz)	Verdict
GFSK	SISO	1	0.992	0.969	≥ 0.969	PASS
Pi/4DQPSK	SISO	1	0.999	1.283	≥ 0.855	PASS
8DPSK	SISO	1	1.020	1.300	≥ 0.867	PASS

3.2 Test Graph



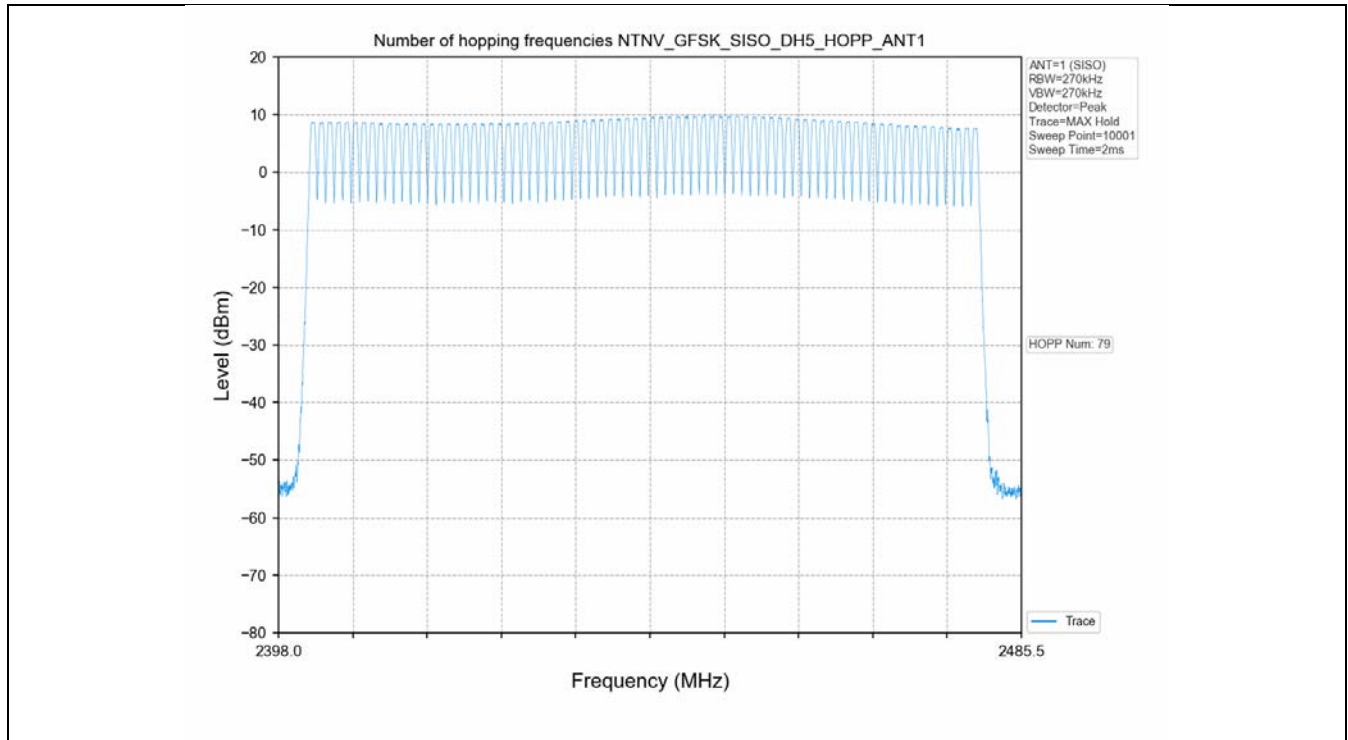


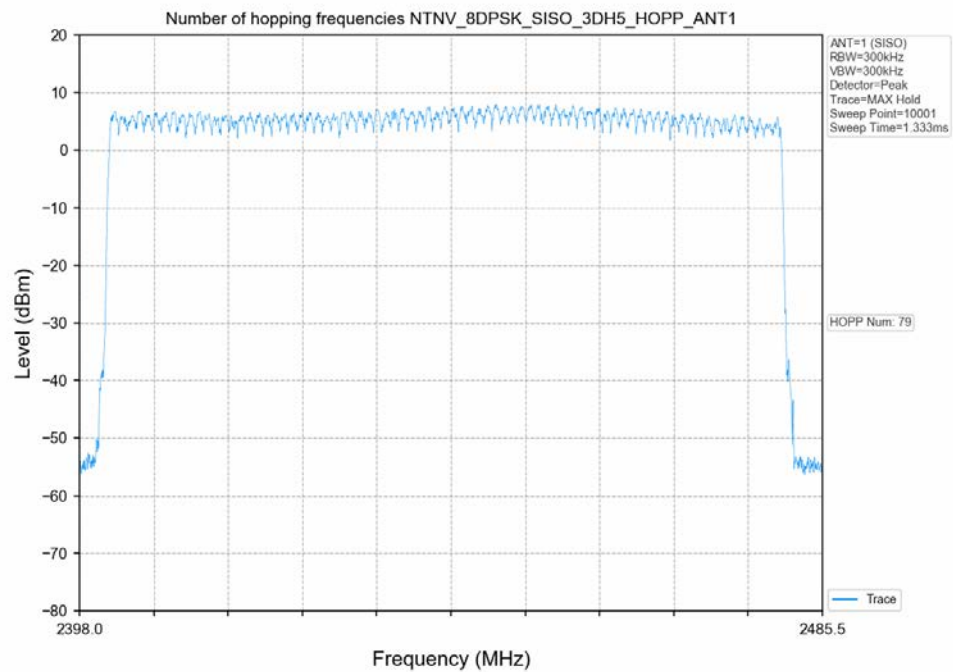
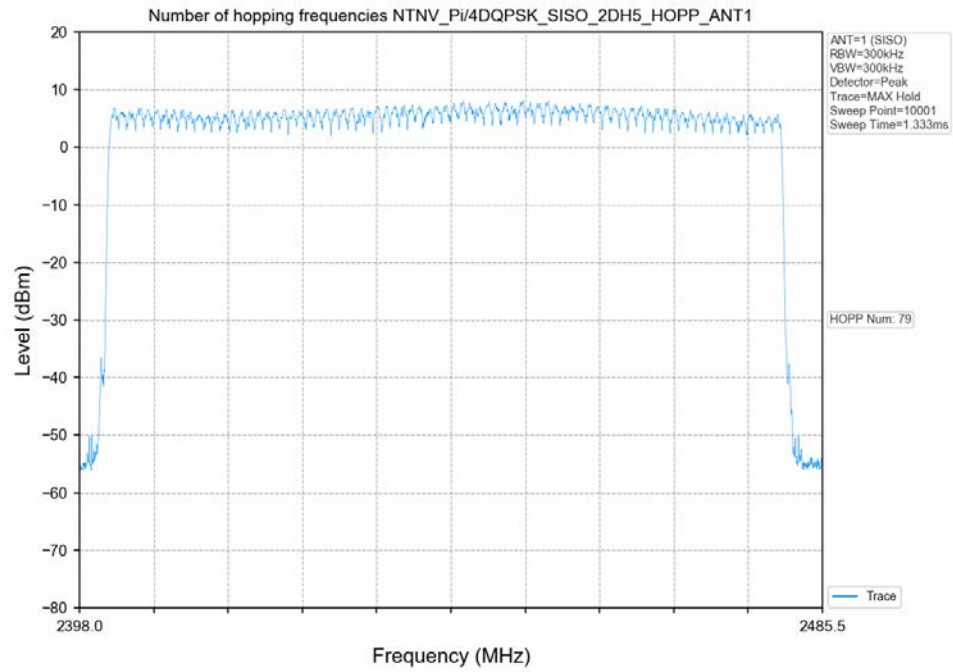
4. Number of hopping frequencies

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



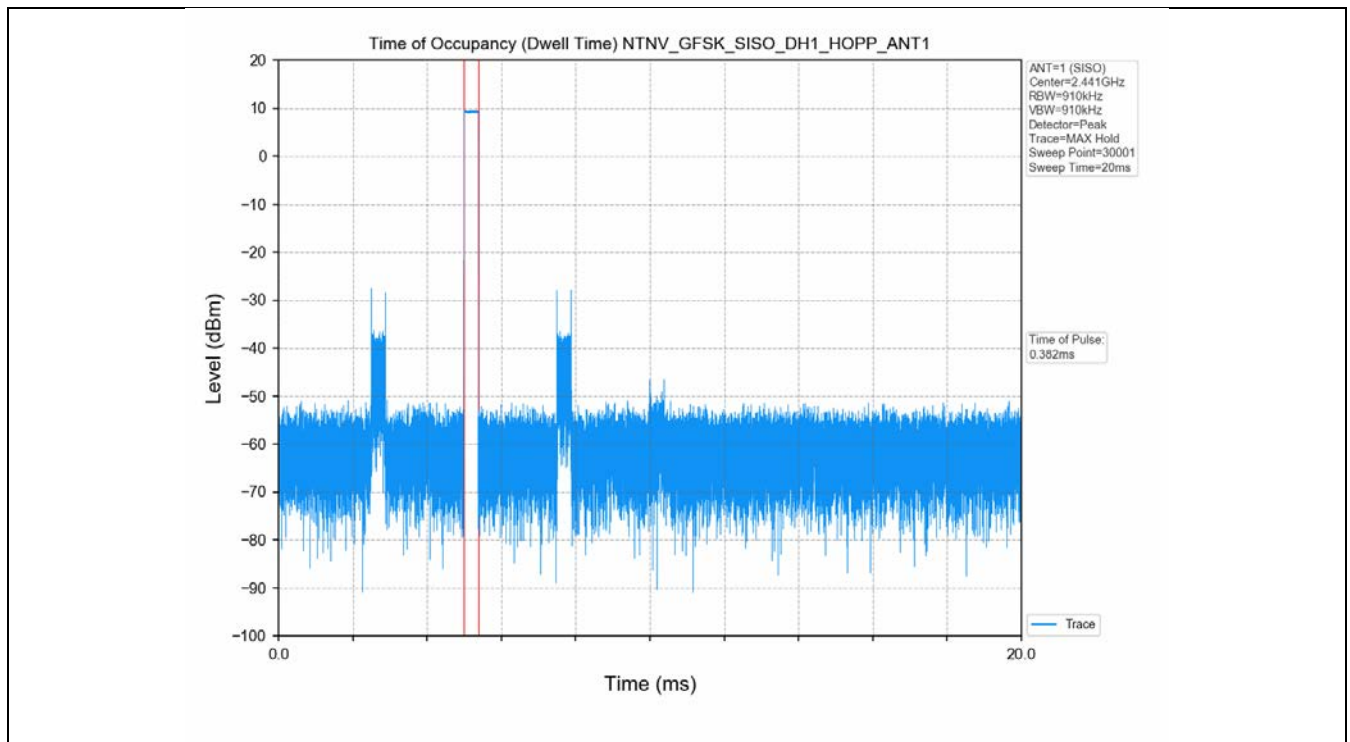


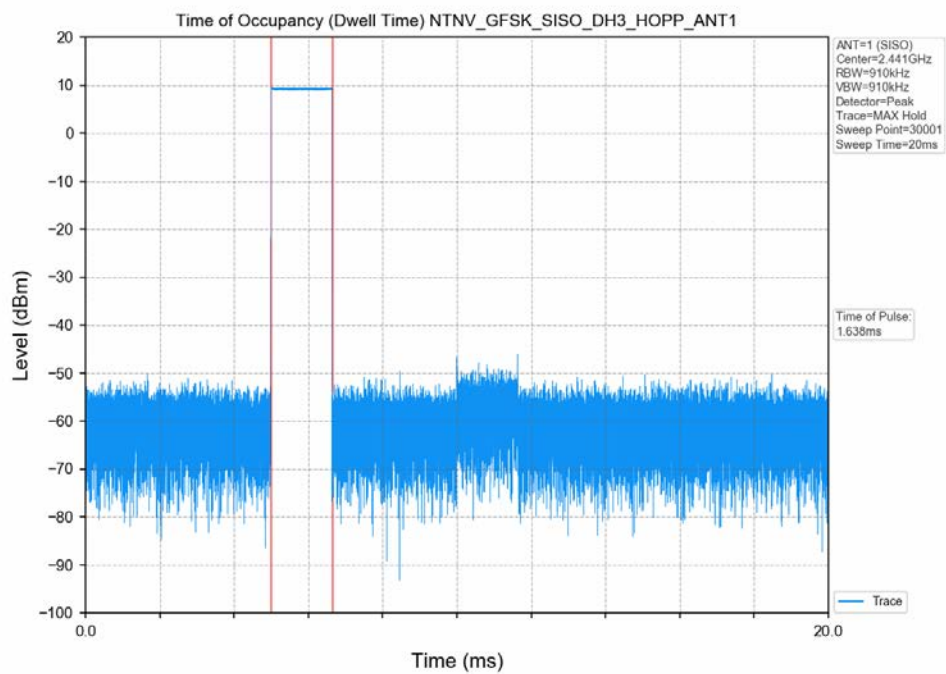
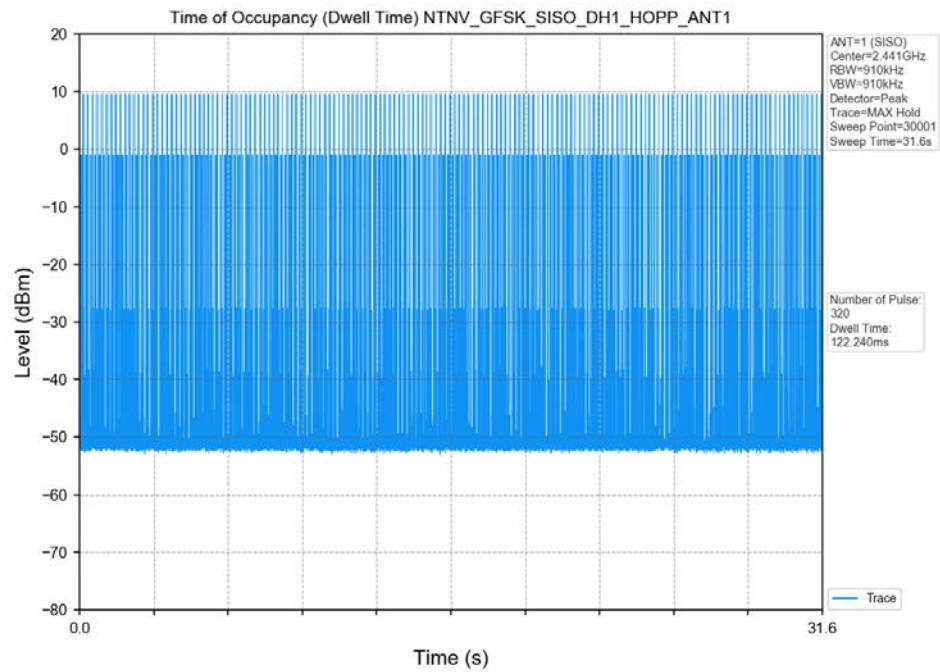
5. Time of Occupancy (Dwell Time)

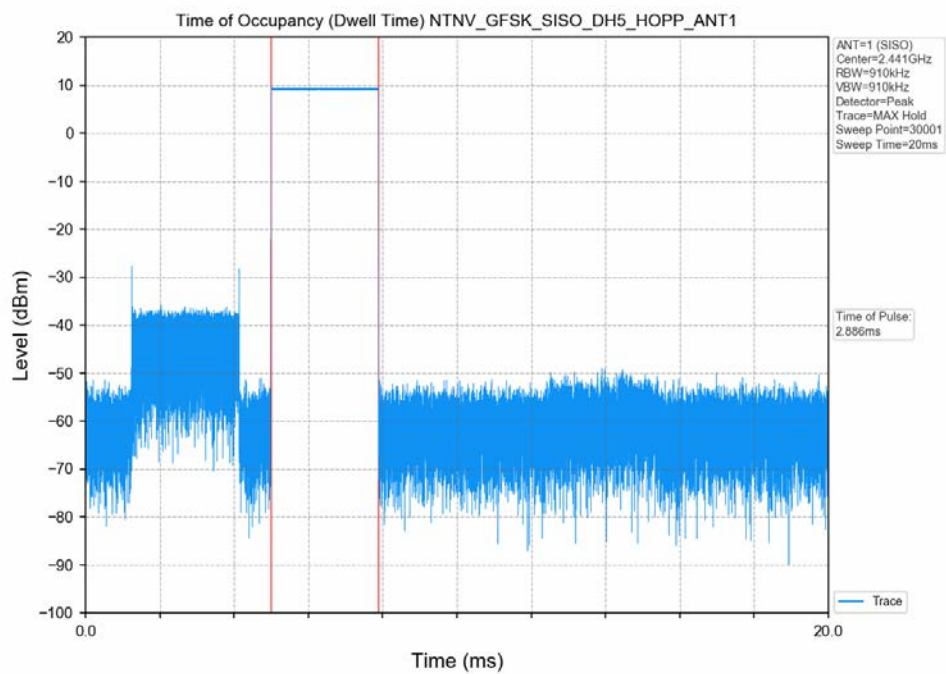
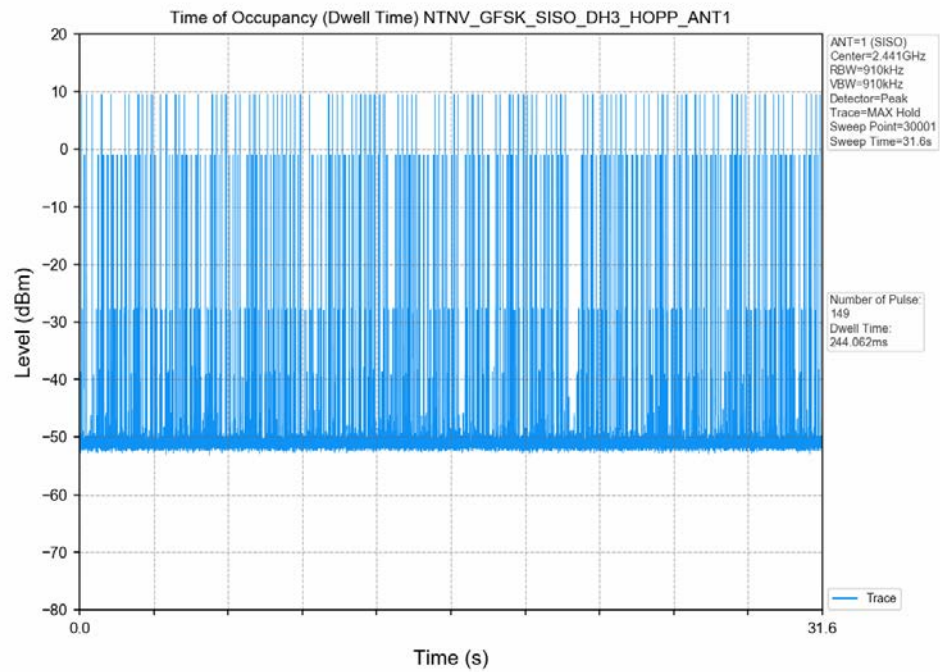
5.1 Test Result

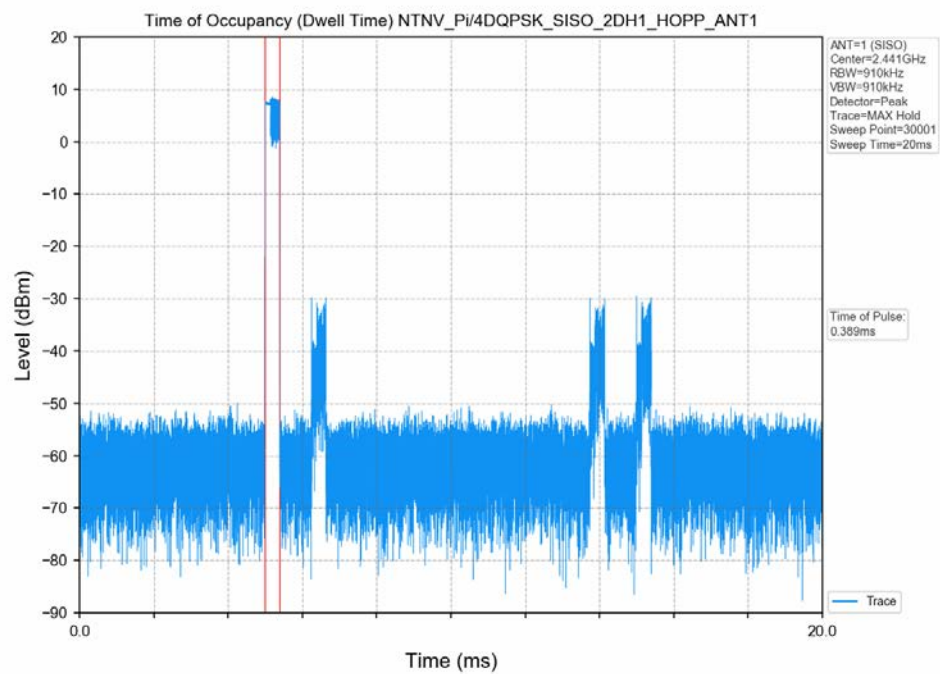
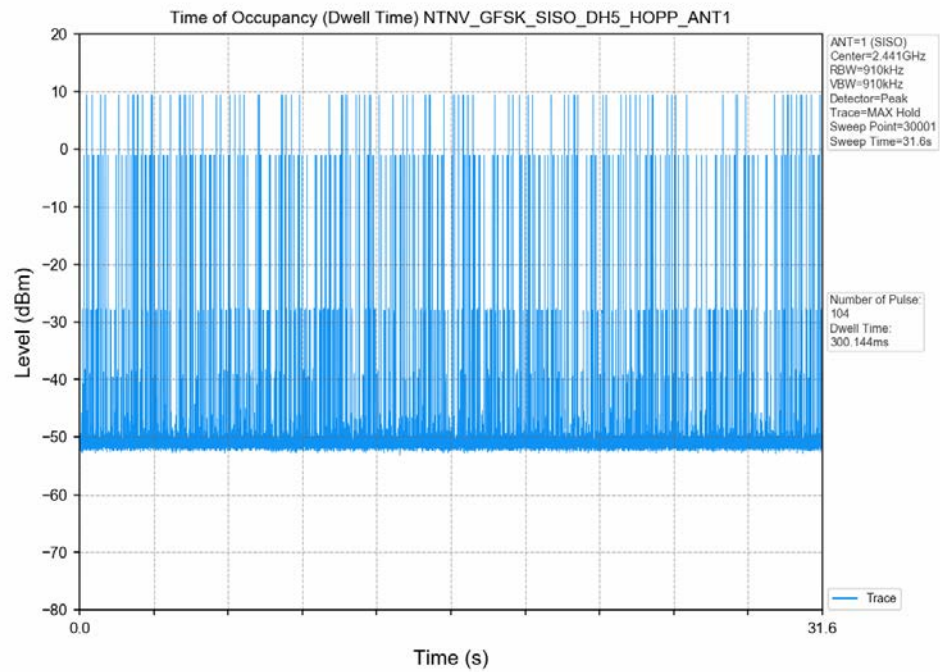
Test Mode	Packet Type	TX Type	ANT No.	Duration of Single Pulse (ms)	Observation Period (s)	Num of Pulse in Observation Period	Dwell Time (ms)	Limits (ms)	Verdict
GFSK	DH1	SISO	1	0.382	31.6	320	122.240	≤400	PASS
	DH3	SISO	1	1.638	31.6	149	244.062	≤400	PASS
	DH5	SISO	1	2.886	31.6	104	300.144	≤400	PASS
Pi/4DQ PSK	2DH1	SISO	1	0.389	31.6	320	124.480	≤400	PASS
	2DH3	SISO	1	1.641	31.6	157	257.637	≤400	PASS
	2DH5	SISO	1	2.888	31.6	111	320.568	≤400	PASS
8DPSK	3DH1	SISO	1	0.390	31.6	320	124.800	≤400	PASS
	3DH3	SISO	1	1.639	31.6	162	265.518	≤400	PASS
	3DH5	SISO	1	2.892	31.6	110	318.120	≤400	PASS

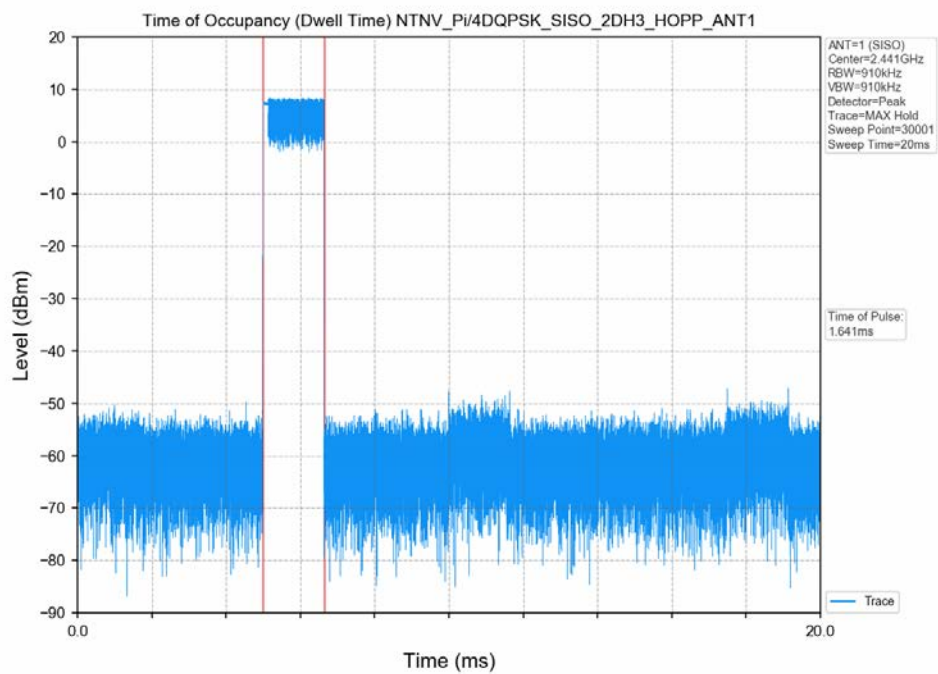
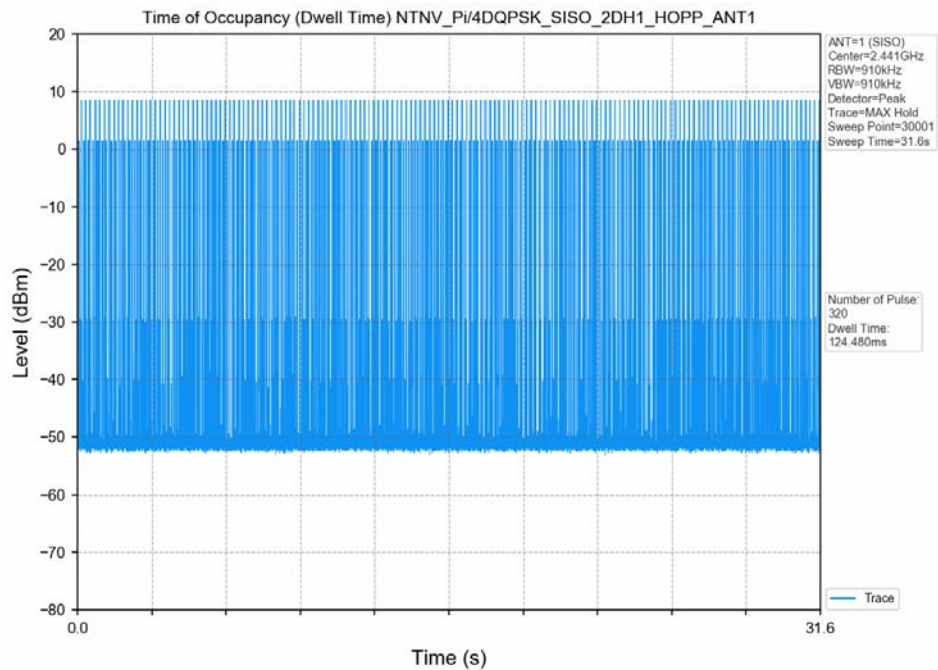
5.2 Test Graph

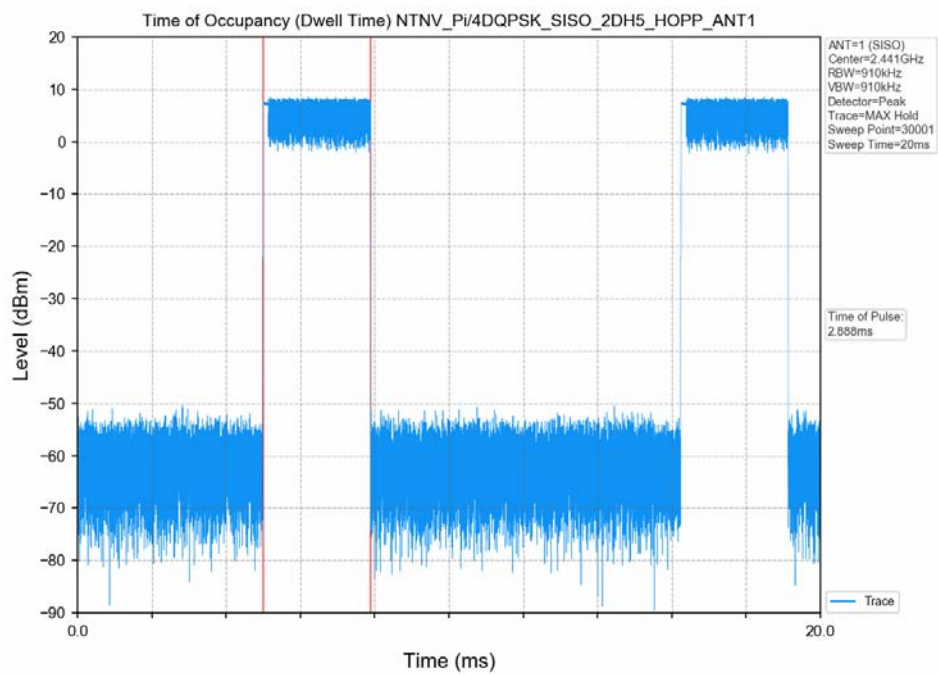
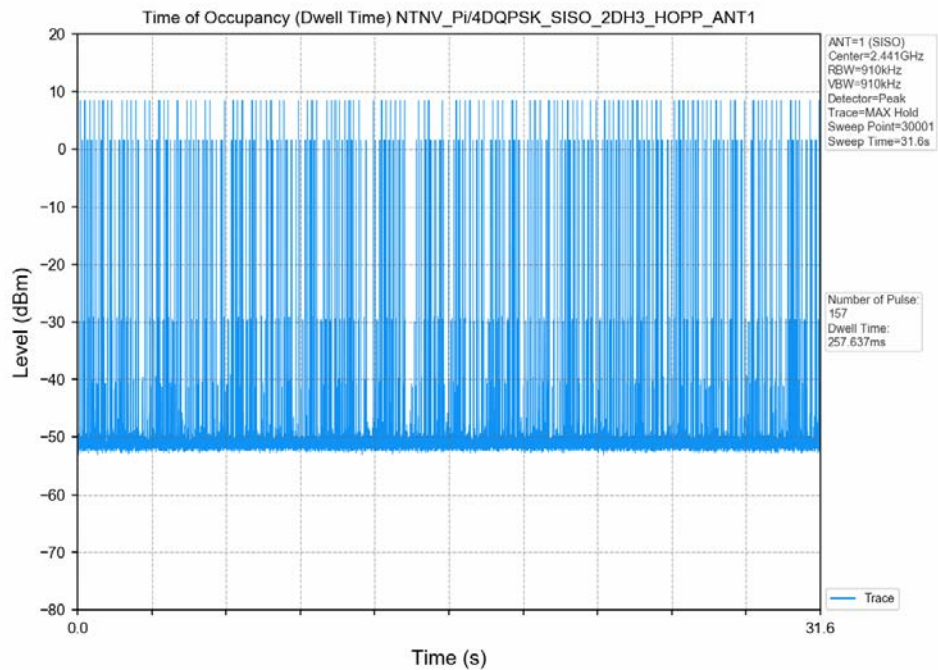


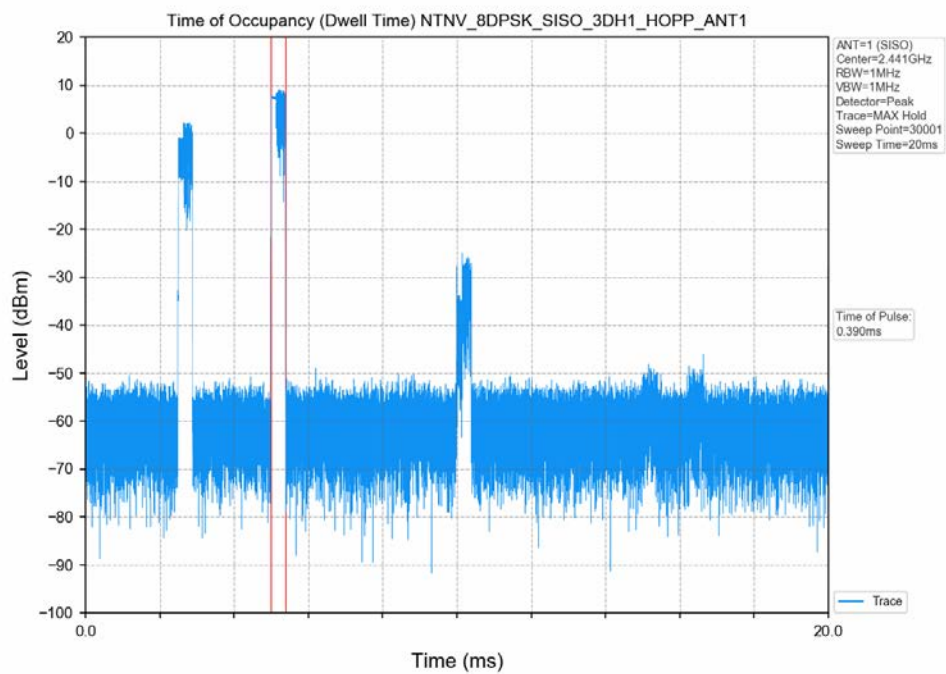
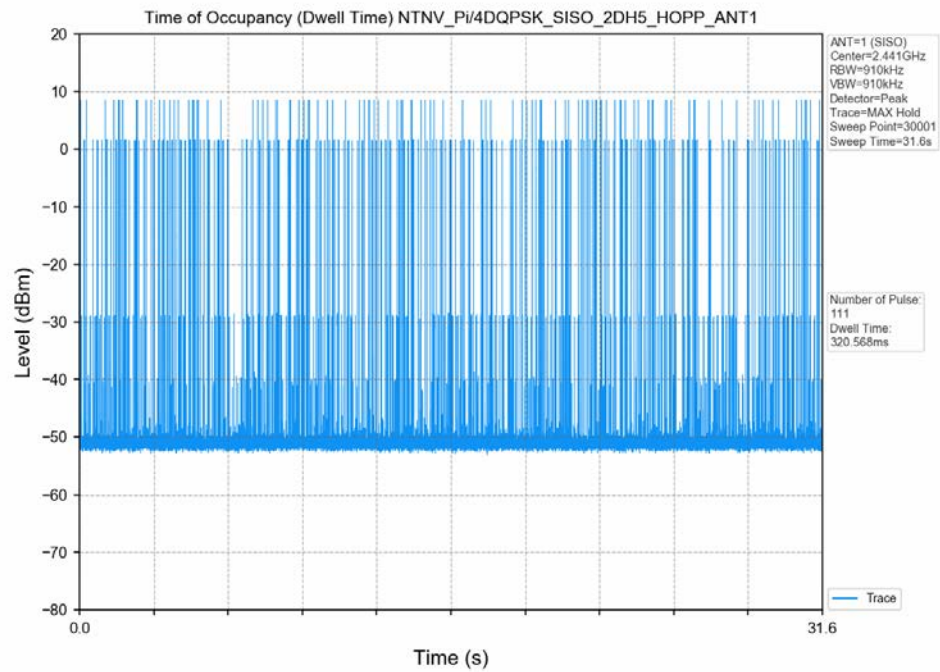


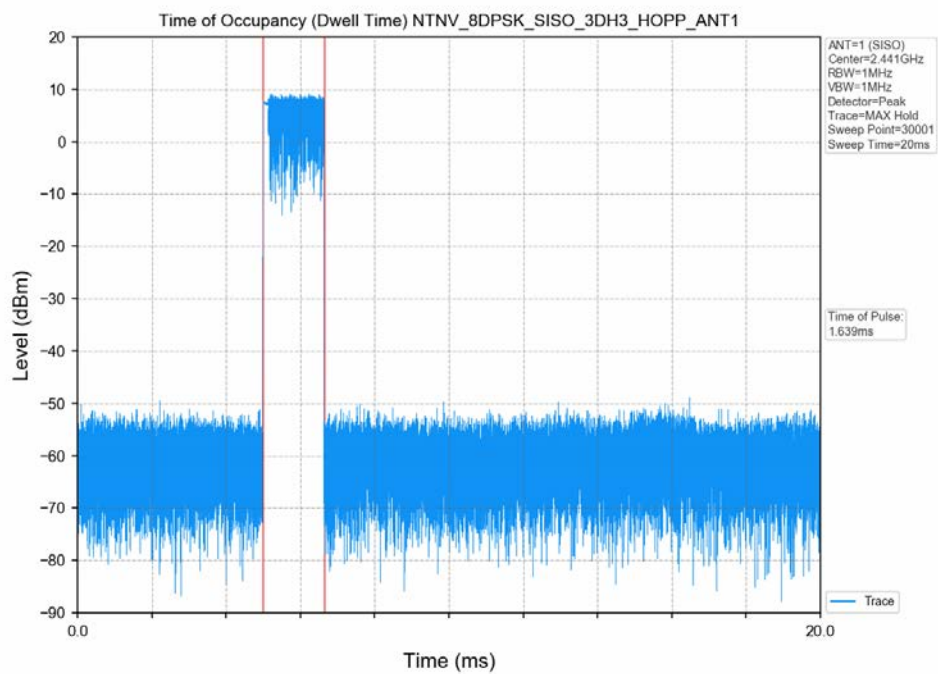
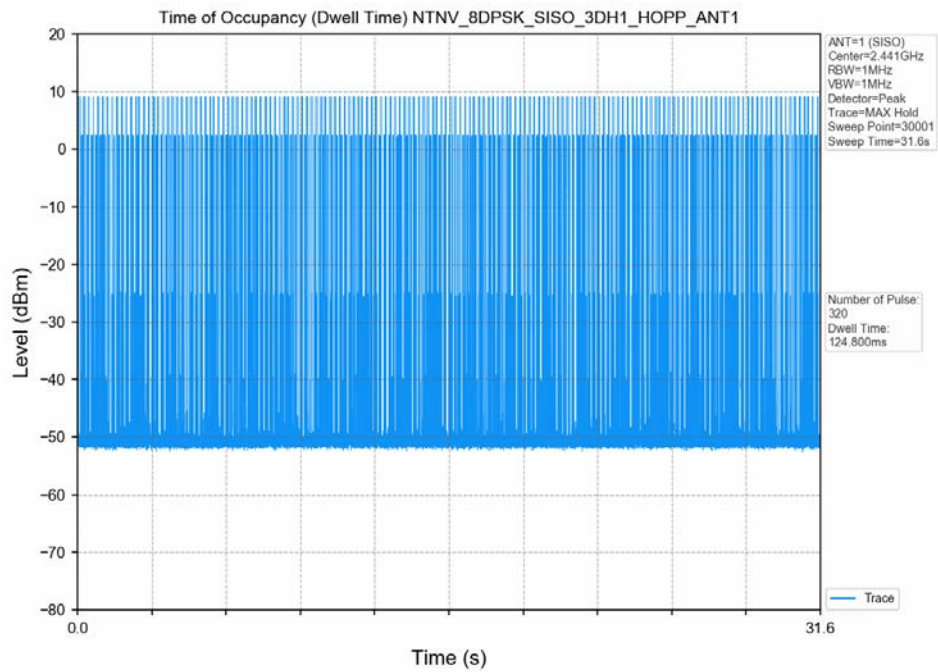


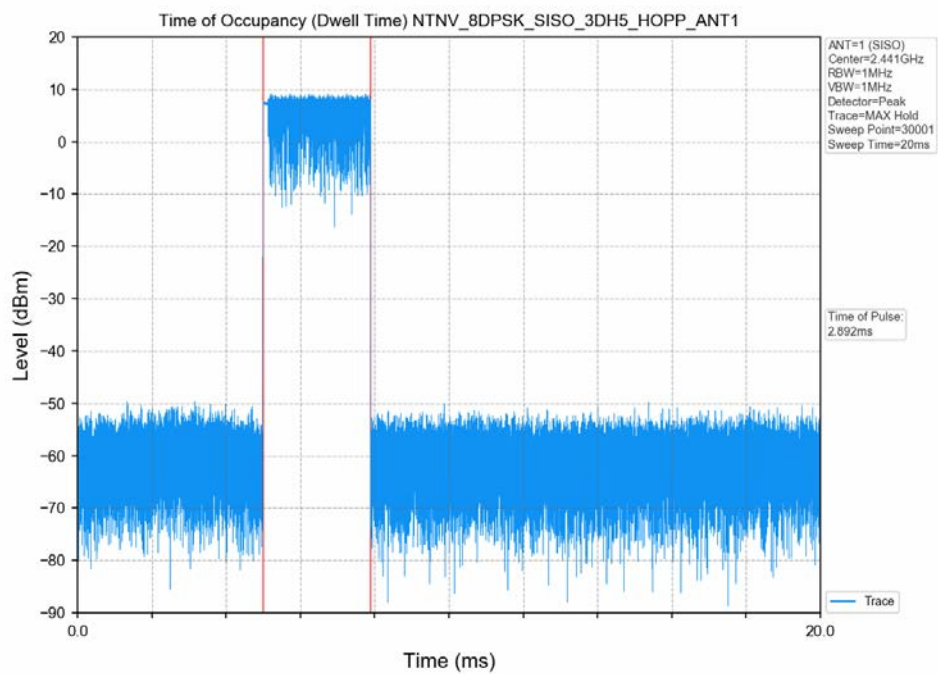
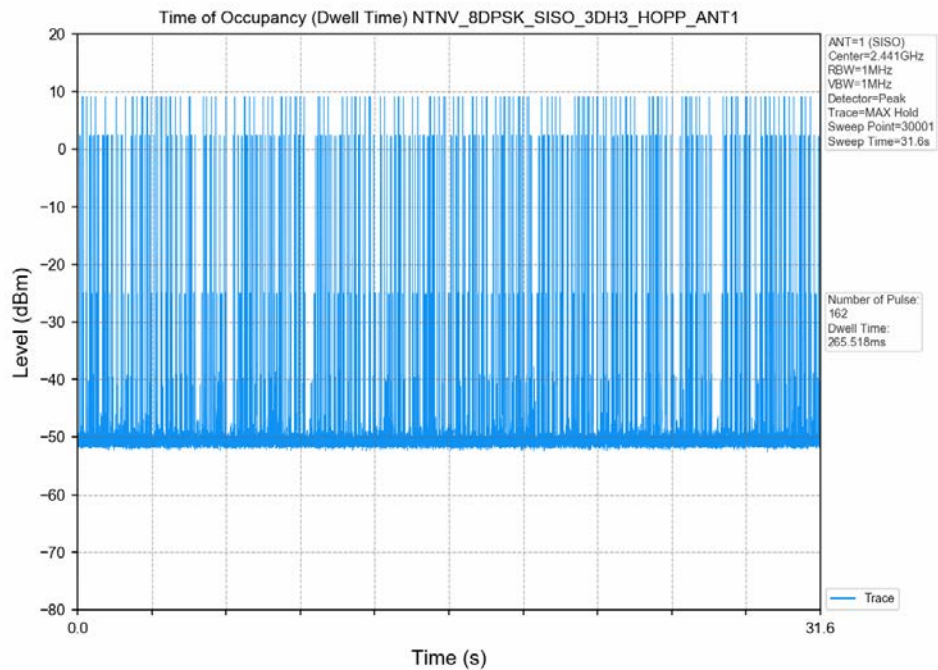


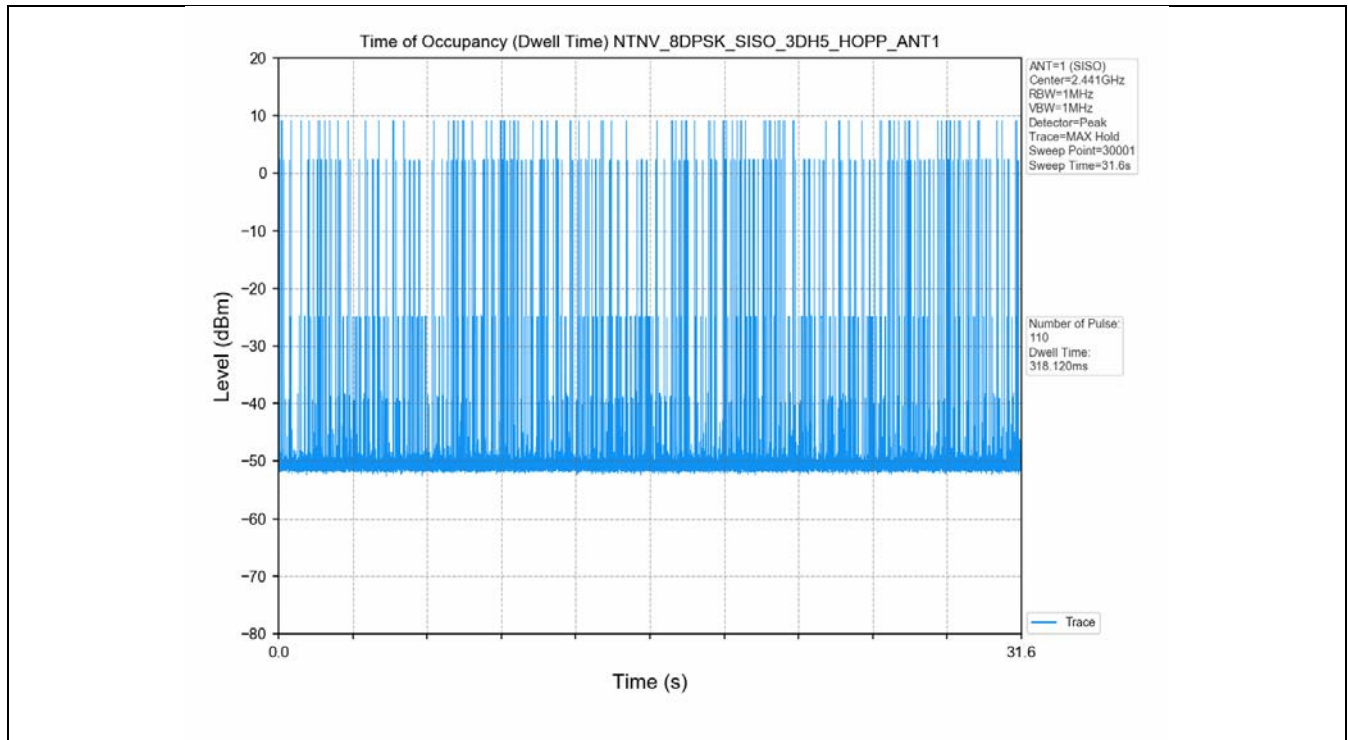










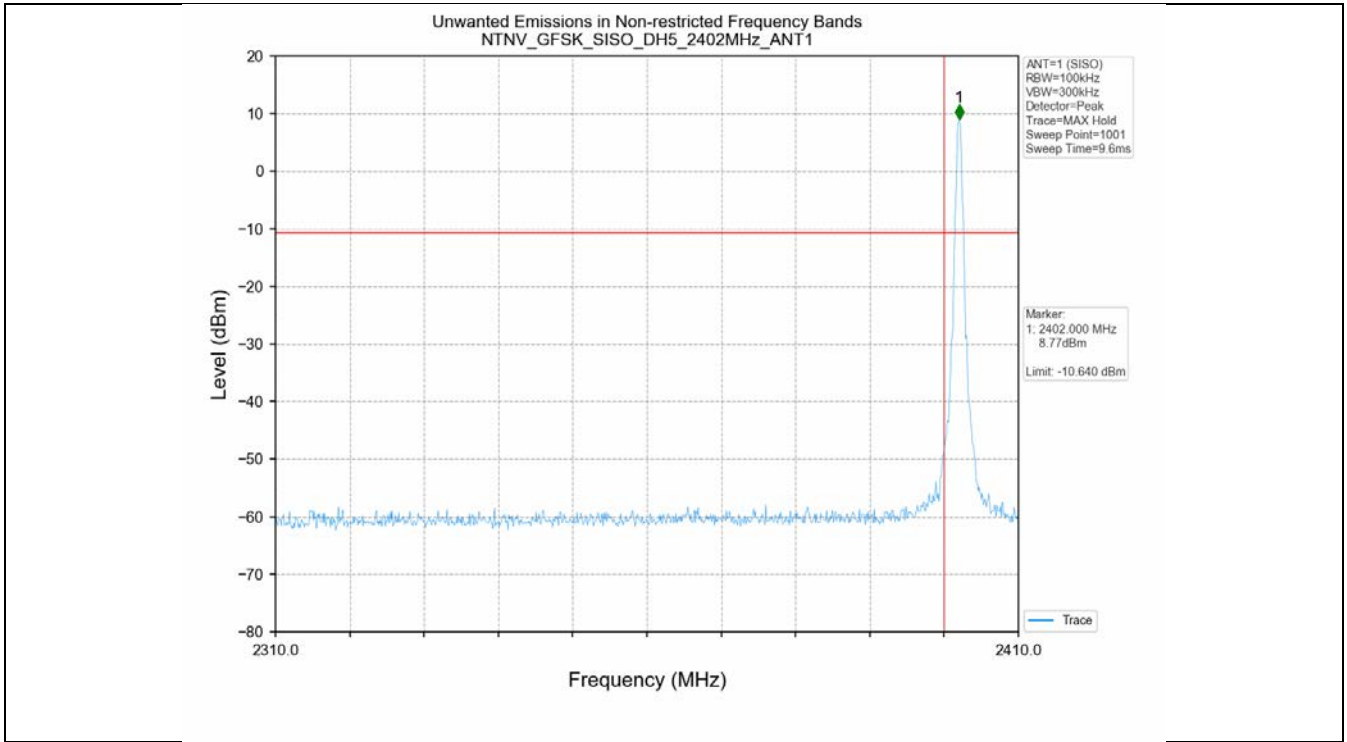
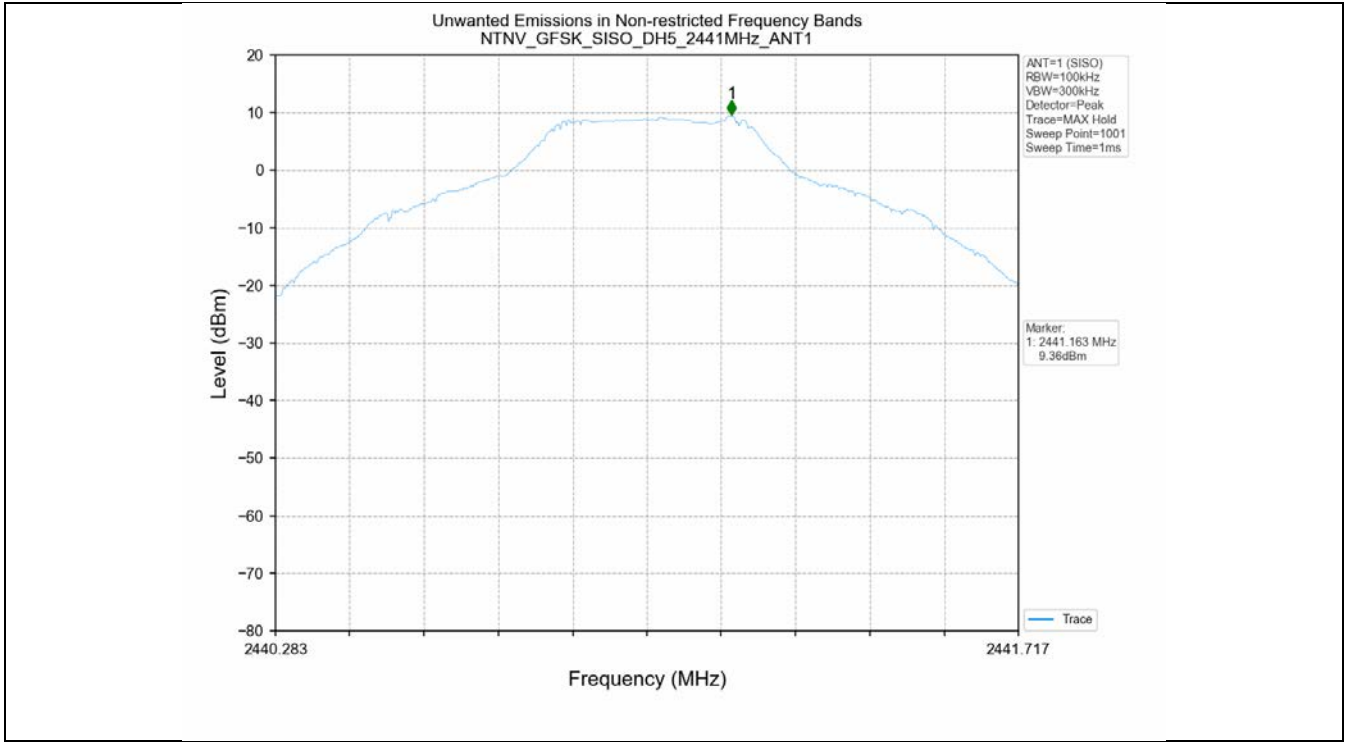


6. Unwanted Emissions in Non-restricted Frequency Bands

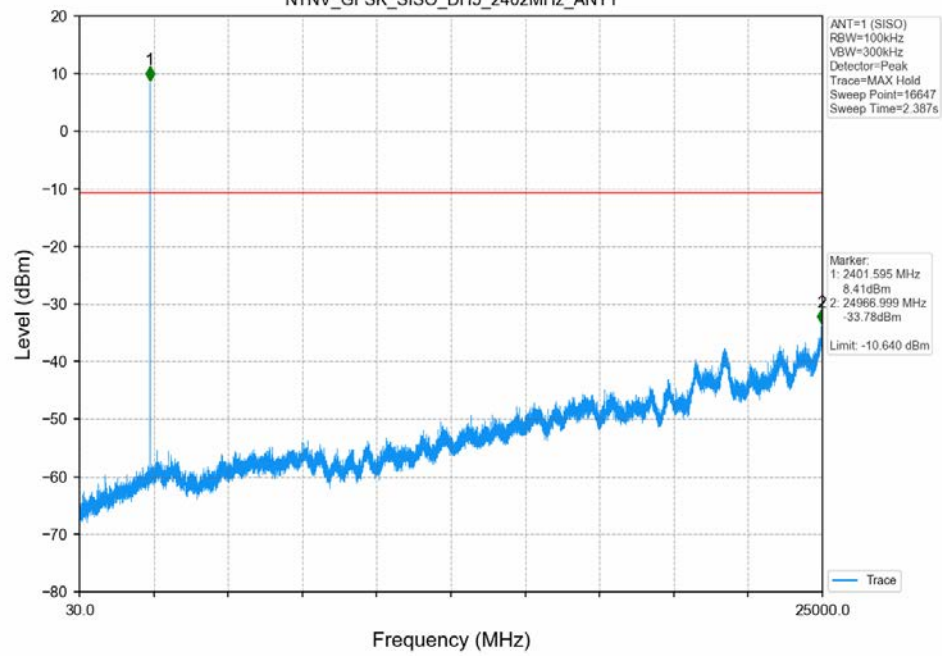
6.1 Test Result

Test Mode	Frequency (MHz)	TX Type	ANT No.	Spurious Conducted Emission (dBm)	Limits (dBm)	Verdict
GFSK	2402	SISO	1	Refer to test graph	-10.64	PASS
	2441	SISO	1	Refer to test graph	-10.64	PASS
	2480	SISO	1	Refer to test graph	-10.64	PASS
	Hopping	SISO	1	Refer to test graph	-10.64	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	-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

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

