



Appendix for 15.247

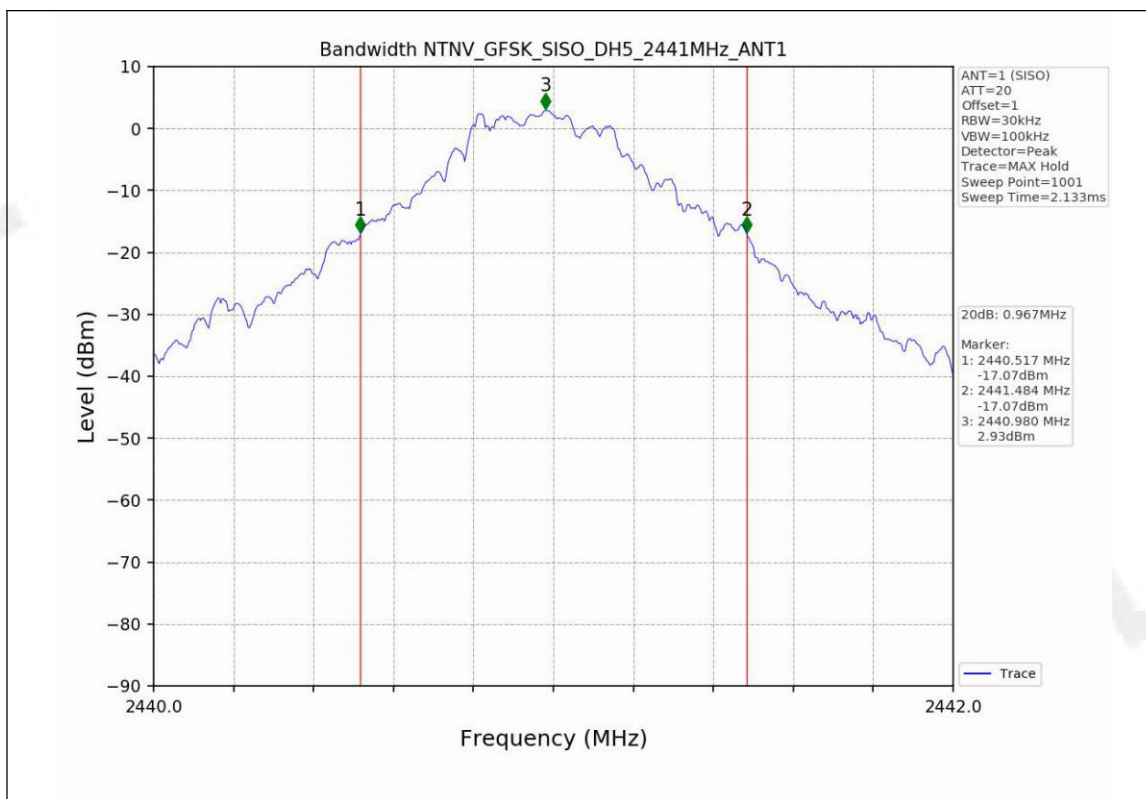
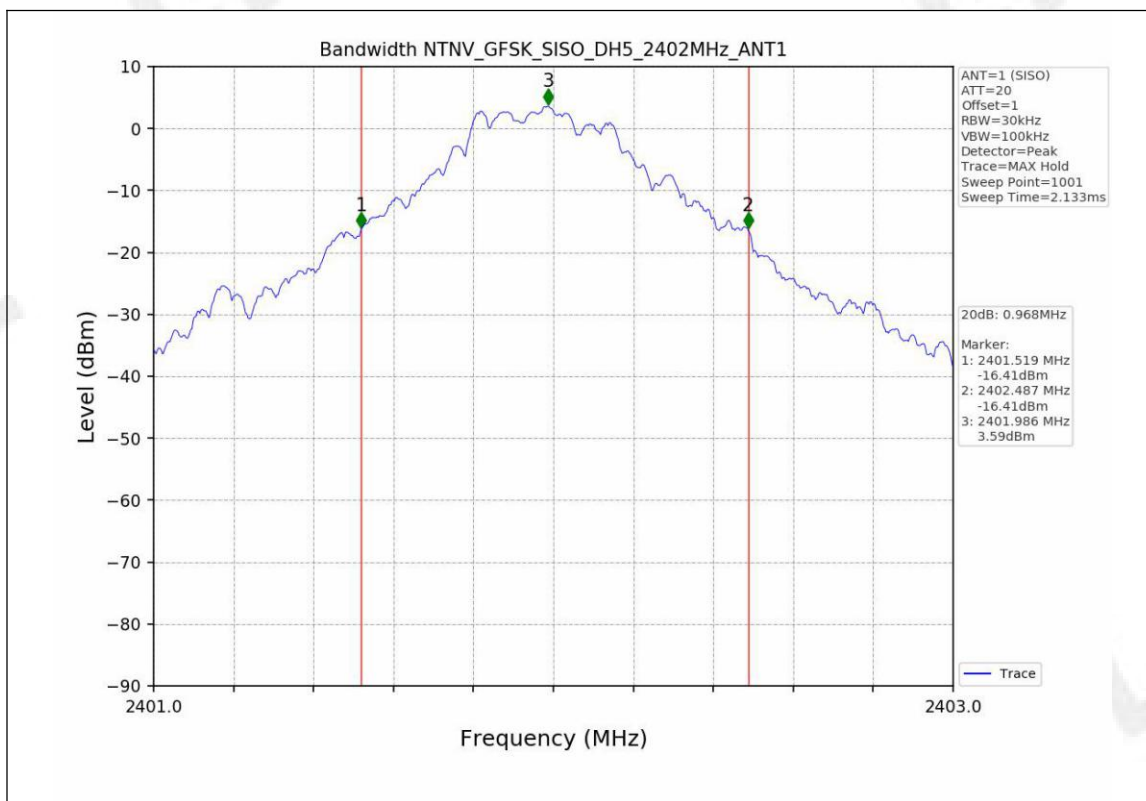
1. Bandwidth

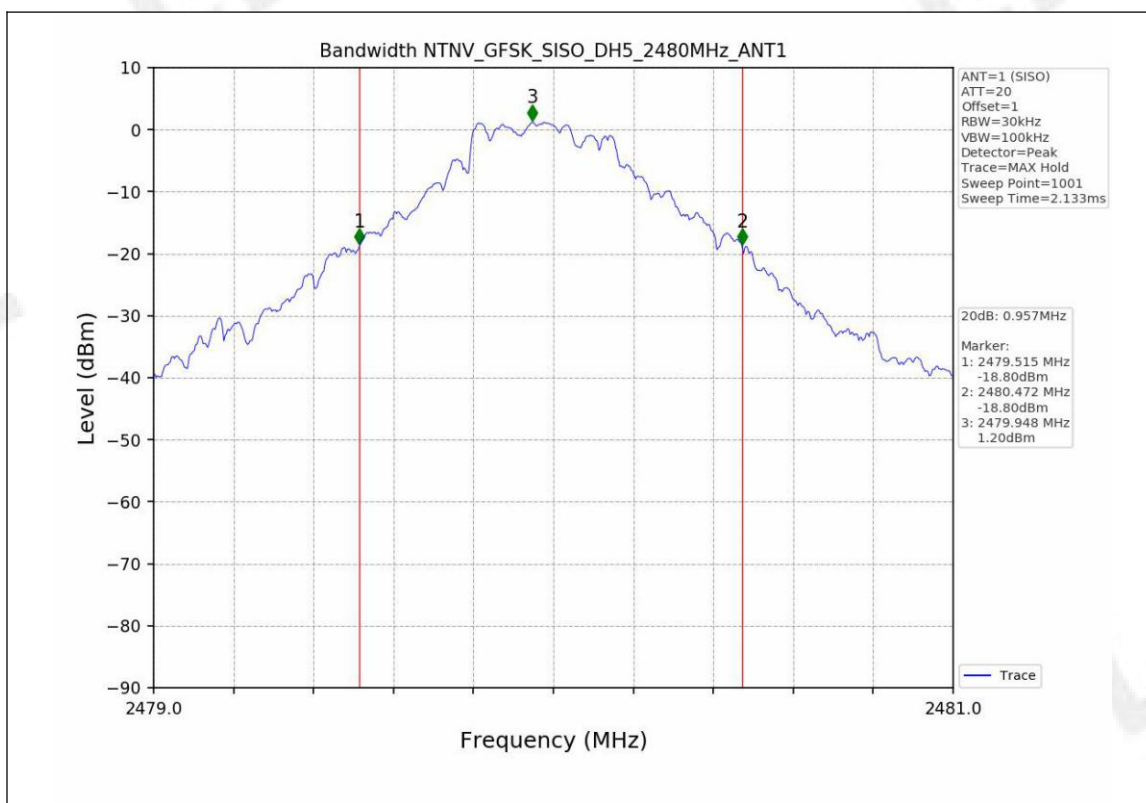
1.1 Test Result

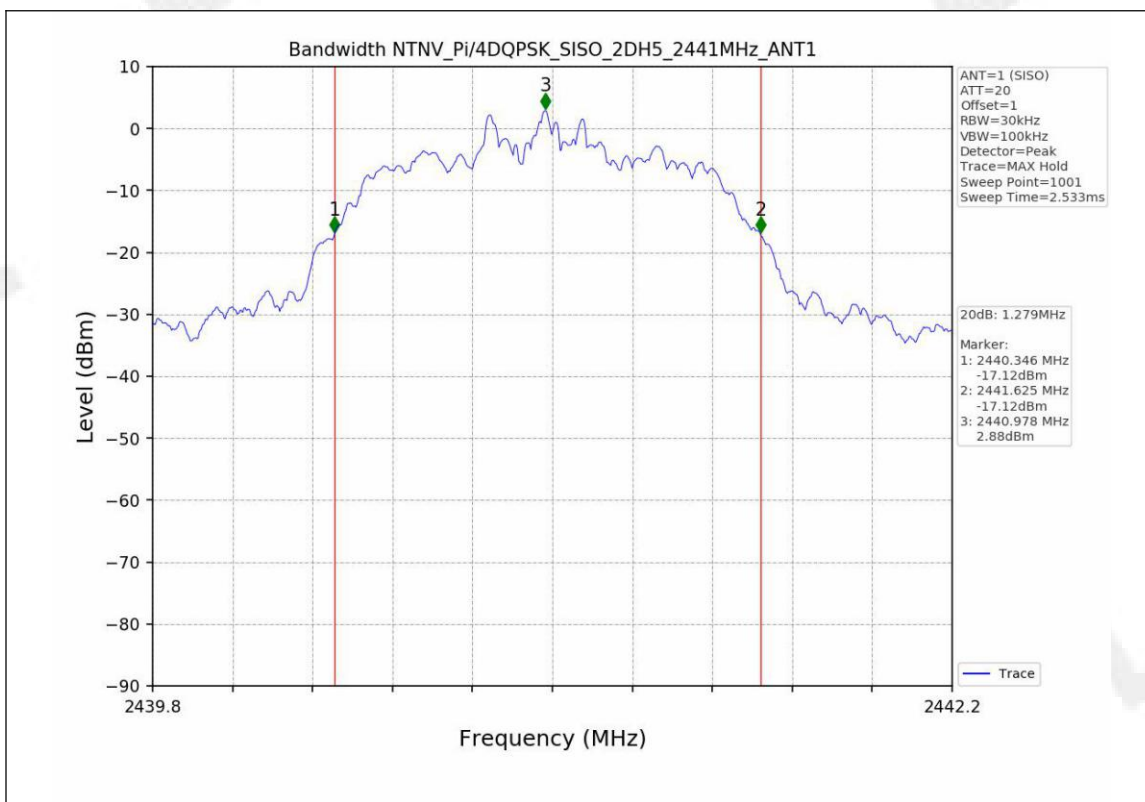
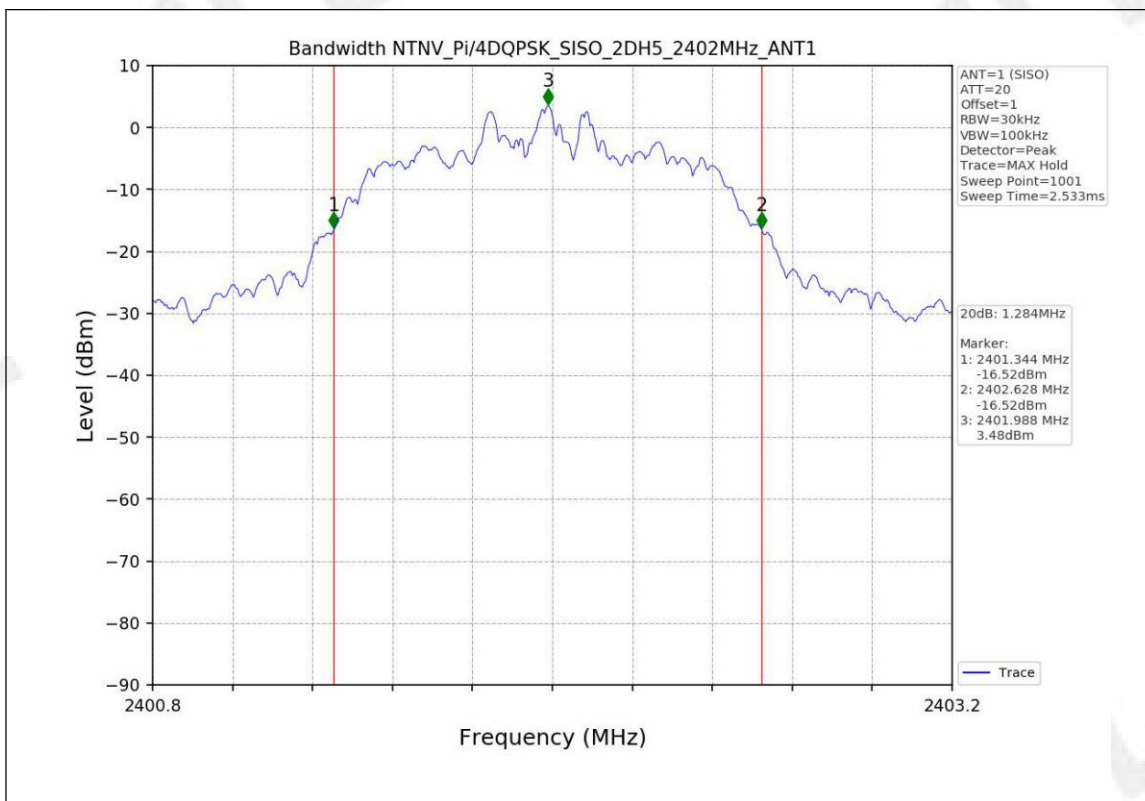
Test Mode	Frequency (MHz)	TX Type	ANT No.	20dB Bandwidth	Verdict
				Test Result (MHz)	
GFSK	2402	SISO	1	0.968	PASS
	2441	SISO	1	0.967	PASS
	2480	SISO	1	0.957	PASS
Pi/4DQPSK	2402	SISO	1	1.284	PASS
	2441	SISO	1	1.279	PASS
	2480	SISO	1	1.284	PASS
8DPSK	2402	SISO	1	1.309	PASS
	2441	SISO	1	1.306	PASS
	2480	SISO	1	1.302	PASS

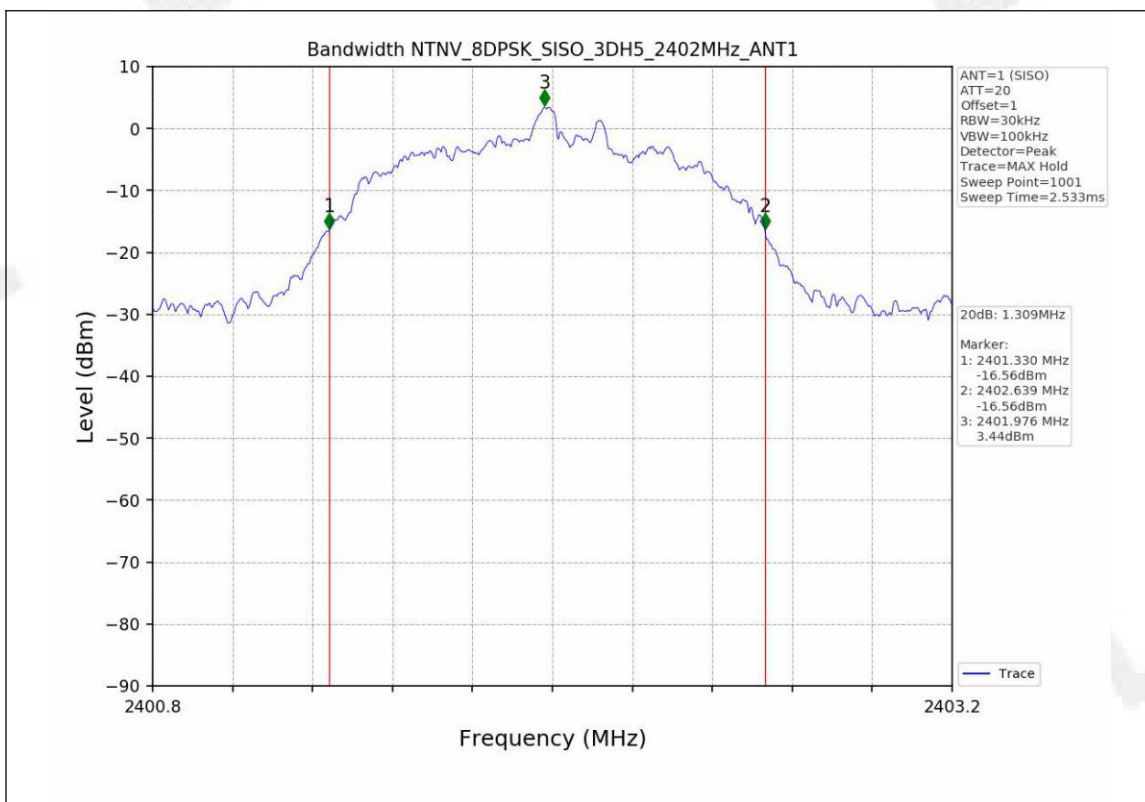
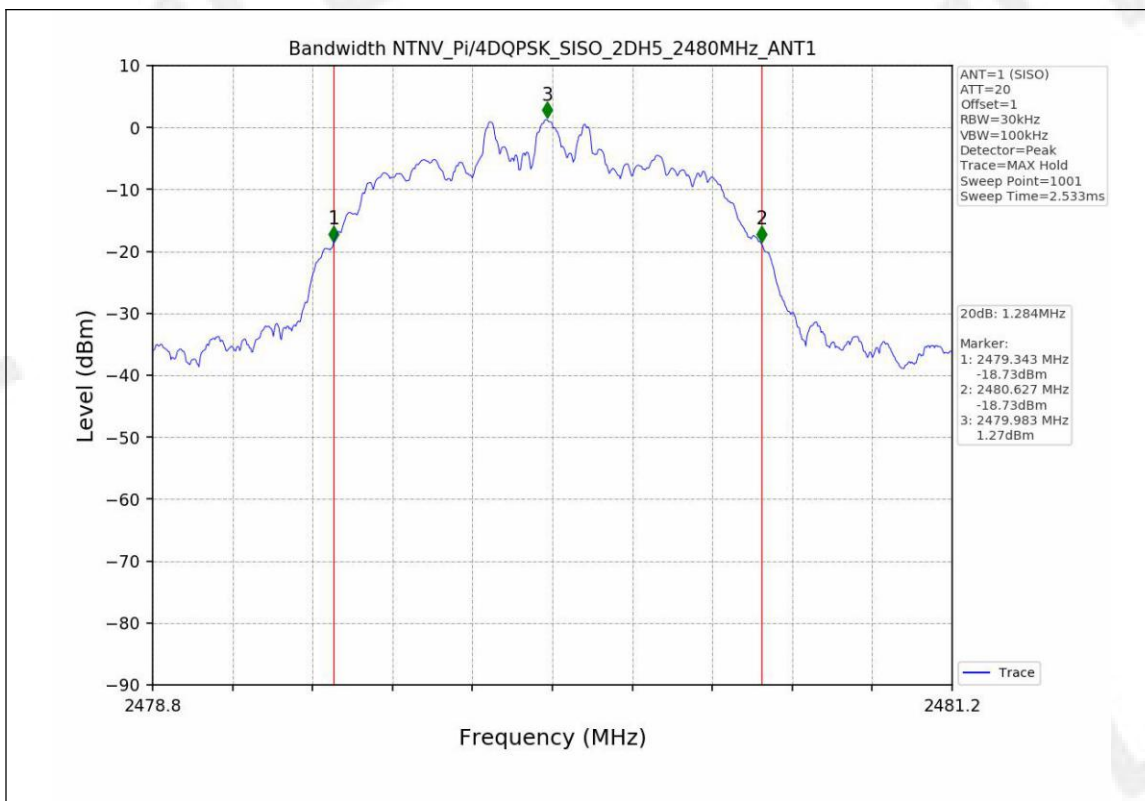
Test Mode	Frequency (MHz)	TX Type	ANT No.	99% Occupied Bandwidth	
				Test Result (MHz)	
GFSK	2402	SISO	1	0.879	Only for Report Use
	2441	SISO	1	0.880	Only for Report Use
	2480	SISO	1	0.870	Only for Report Use
Pi/4DQPSK	2402	SISO	1	1.225	Only for Report Use
	2441	SISO	1	1.191	Only for Report Use
	2480	SISO	1	1.178	Only for Report Use
8DPSK	2402	SISO	1	1.238	Only for Report Use
	2441	SISO	1	1.211	Only for Report Use
	2480	SISO	1	1.191	Only for Report Use

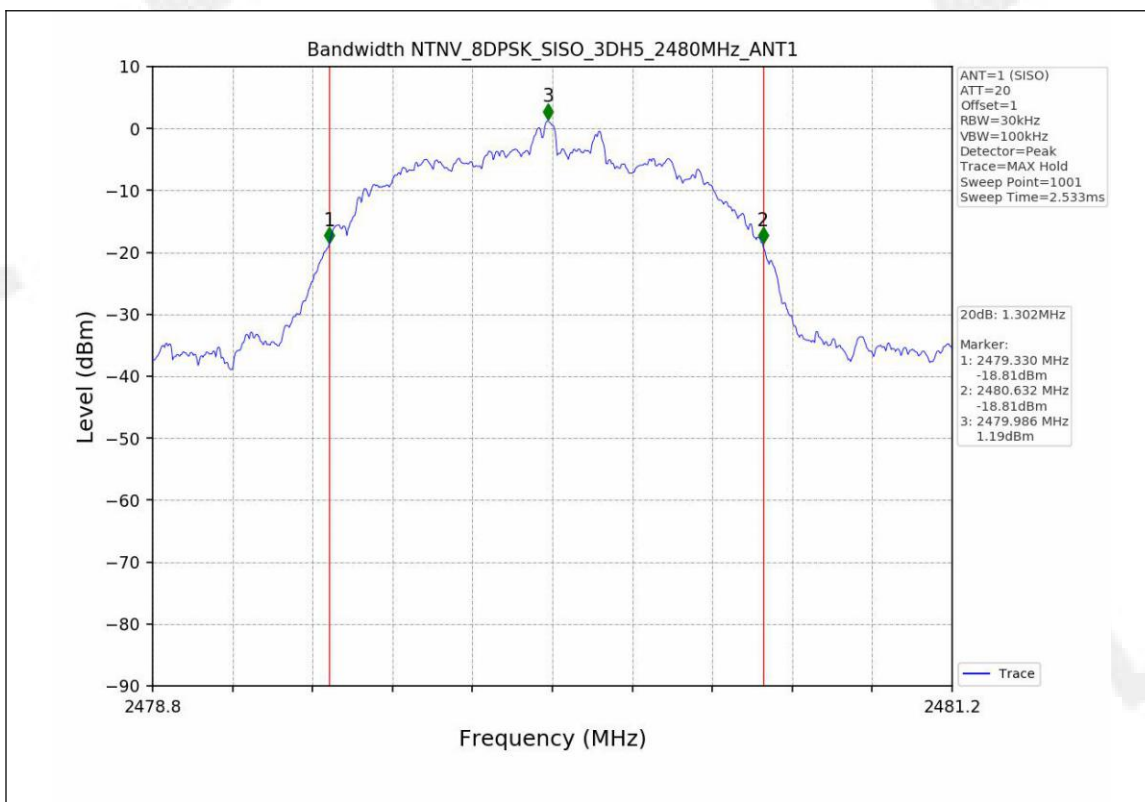
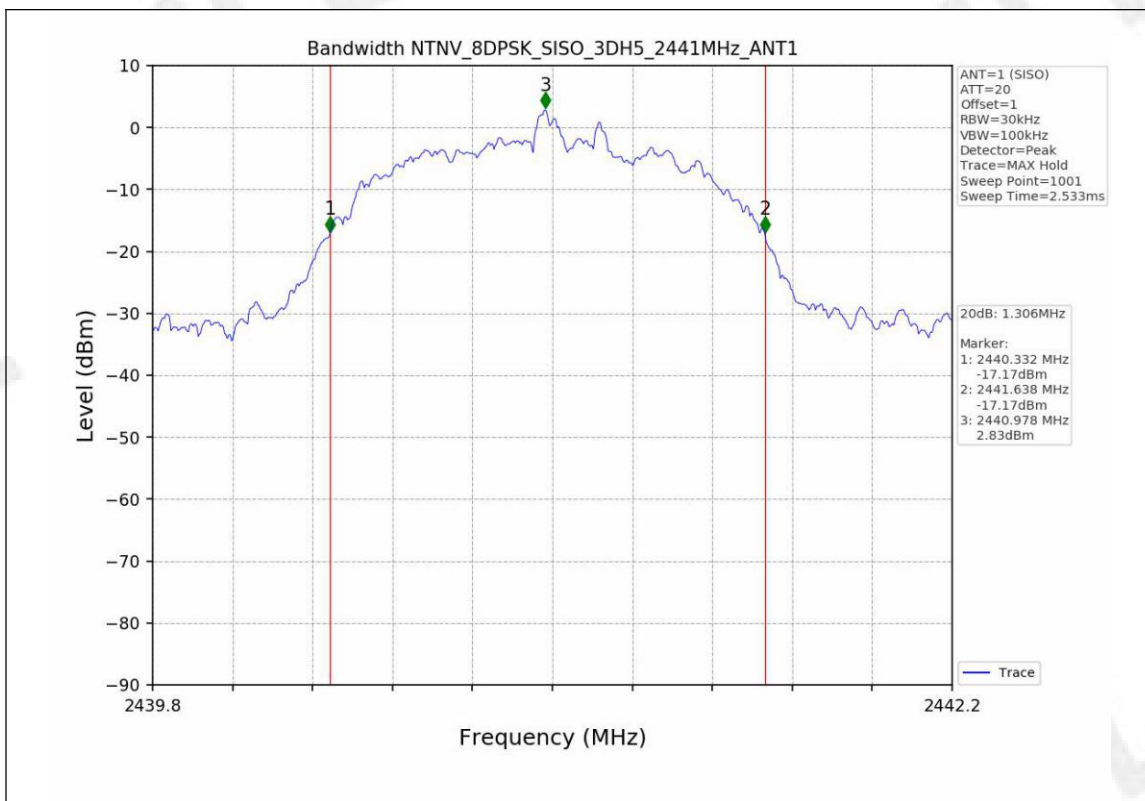
1.2 Test Graph - 20dB Bandwidth



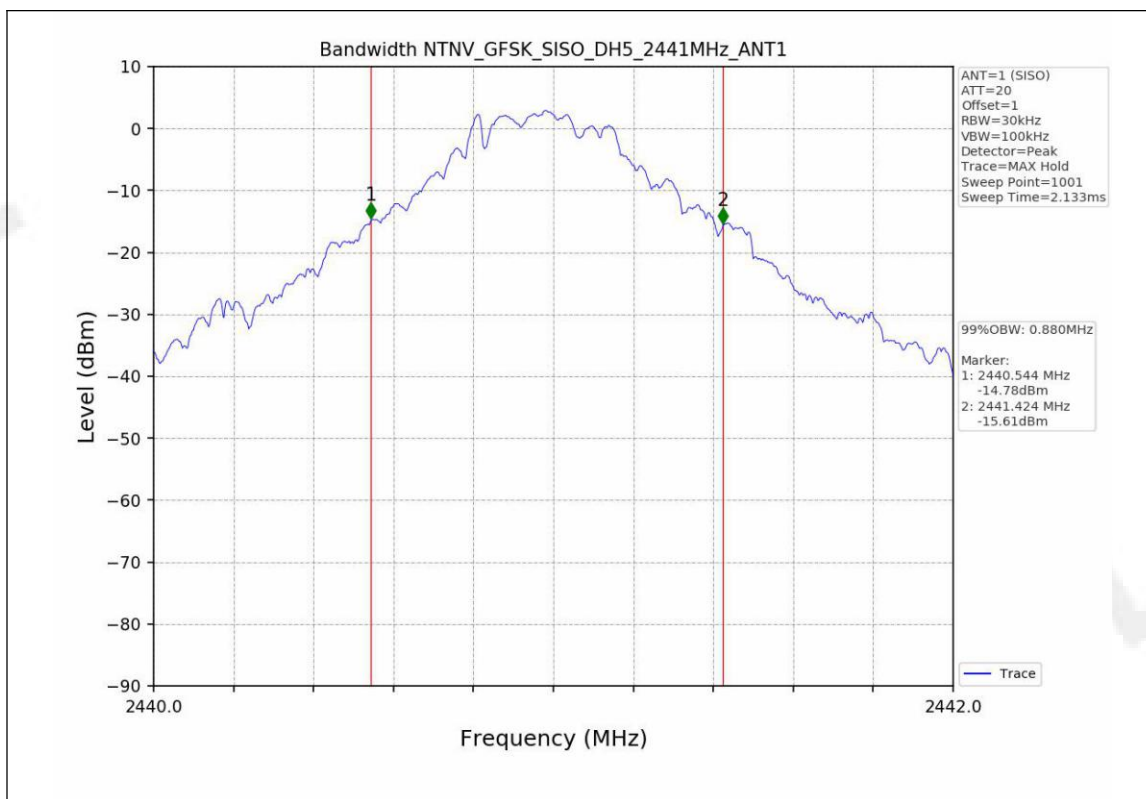
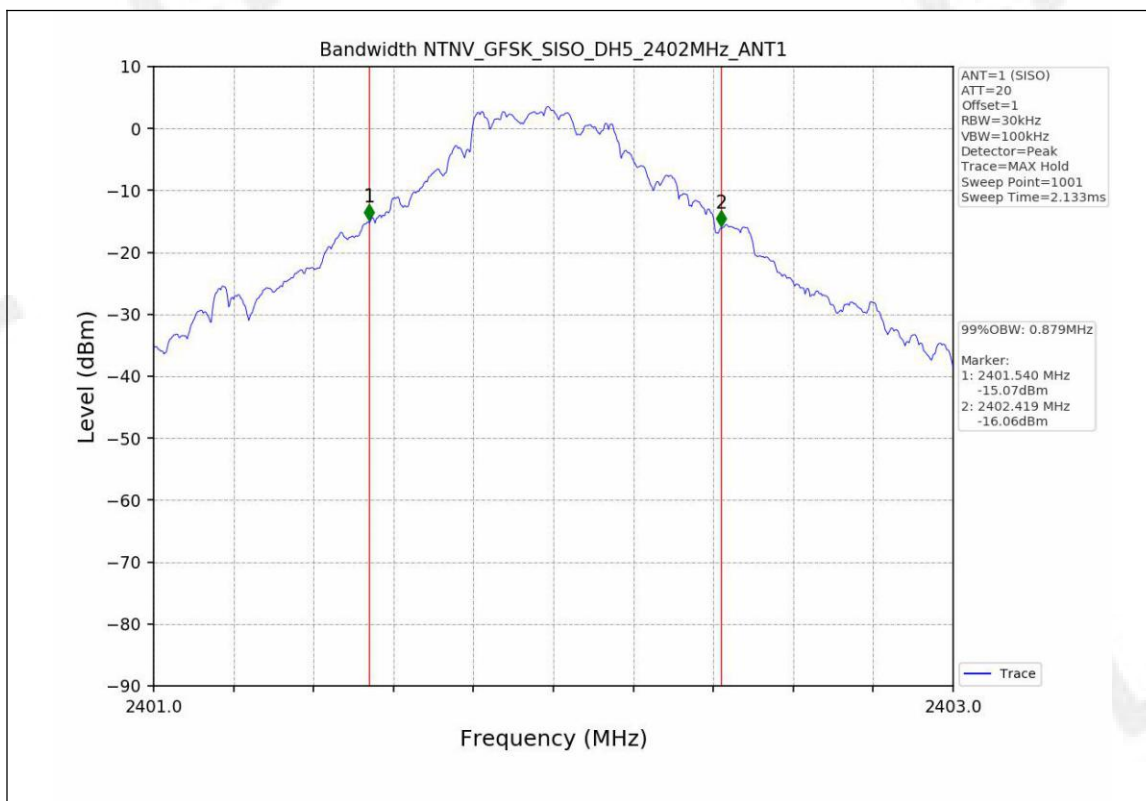


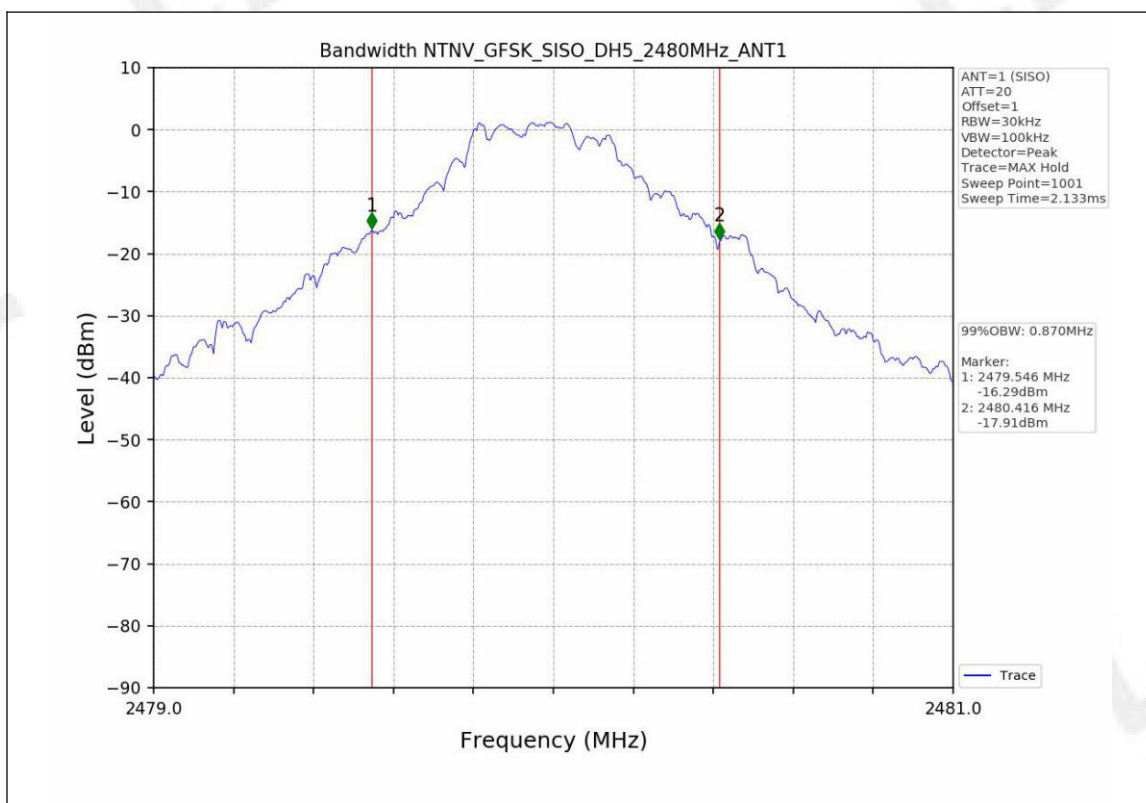


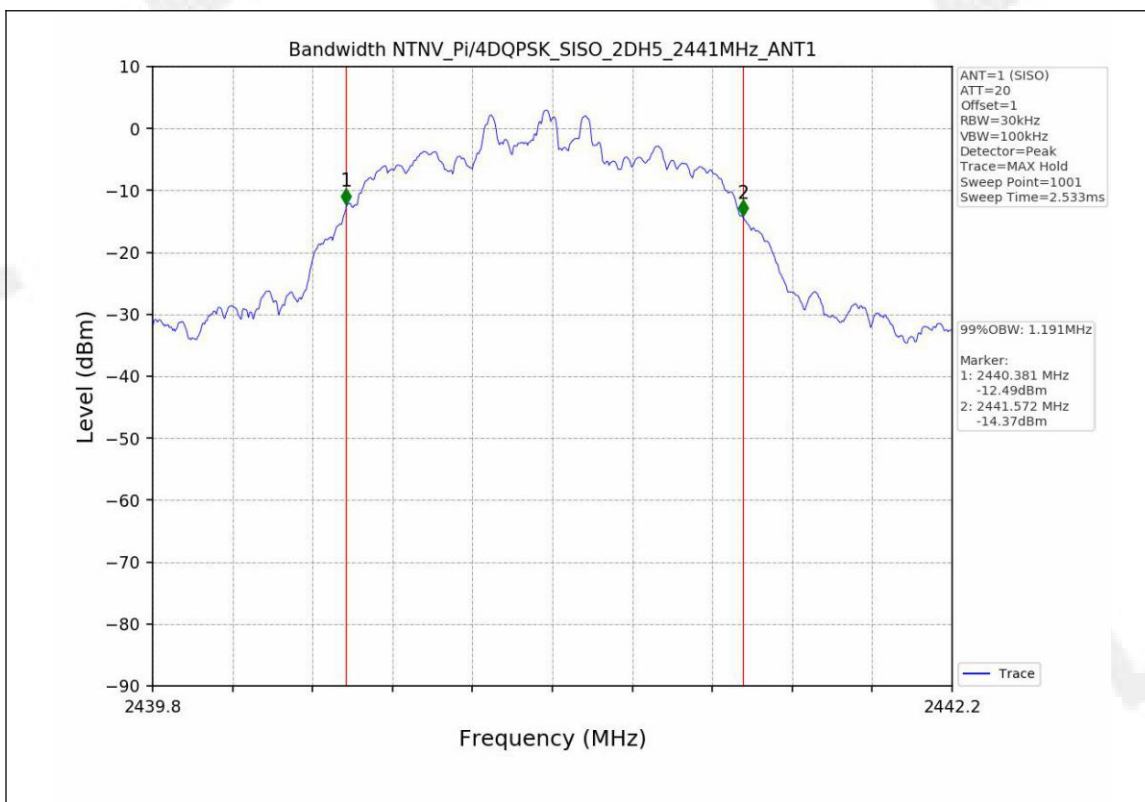
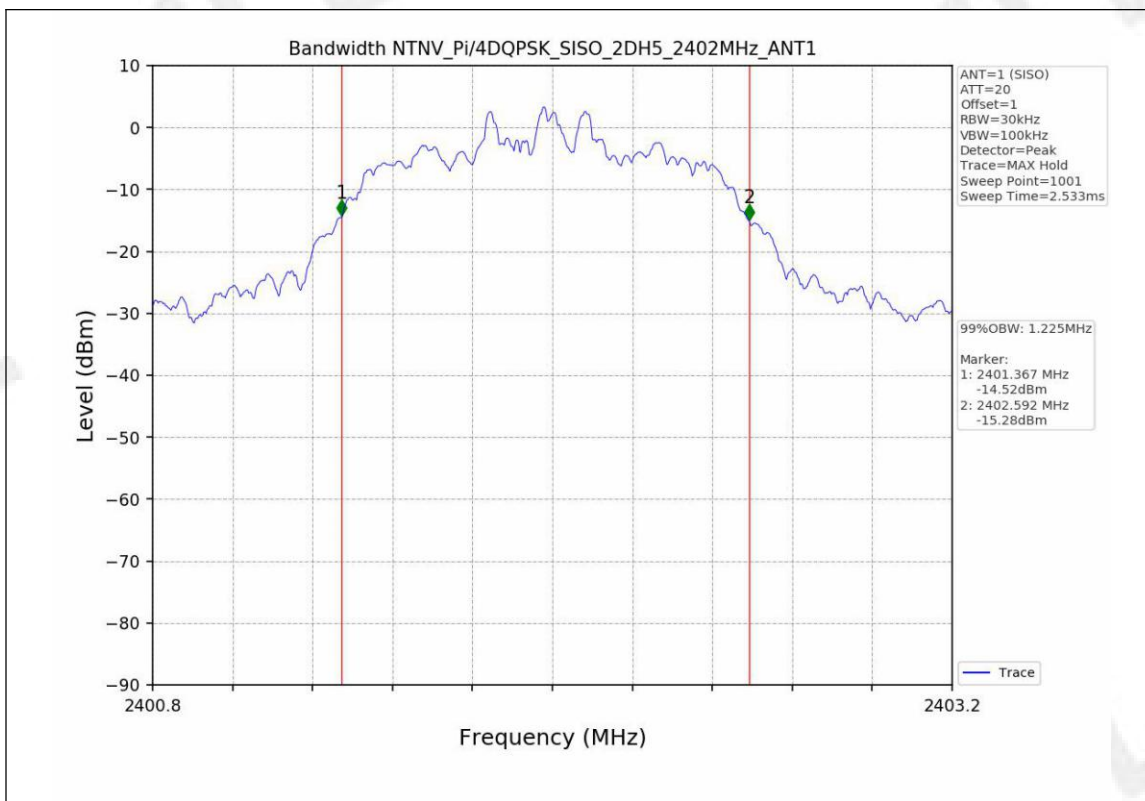


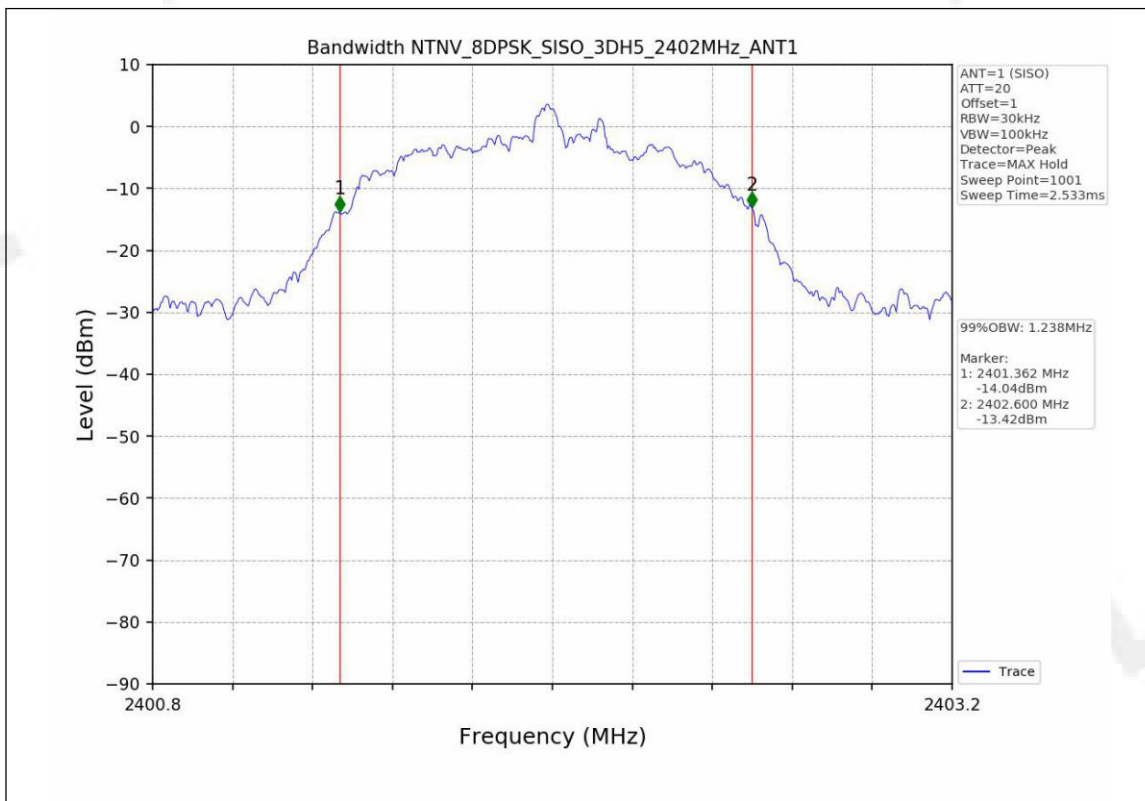
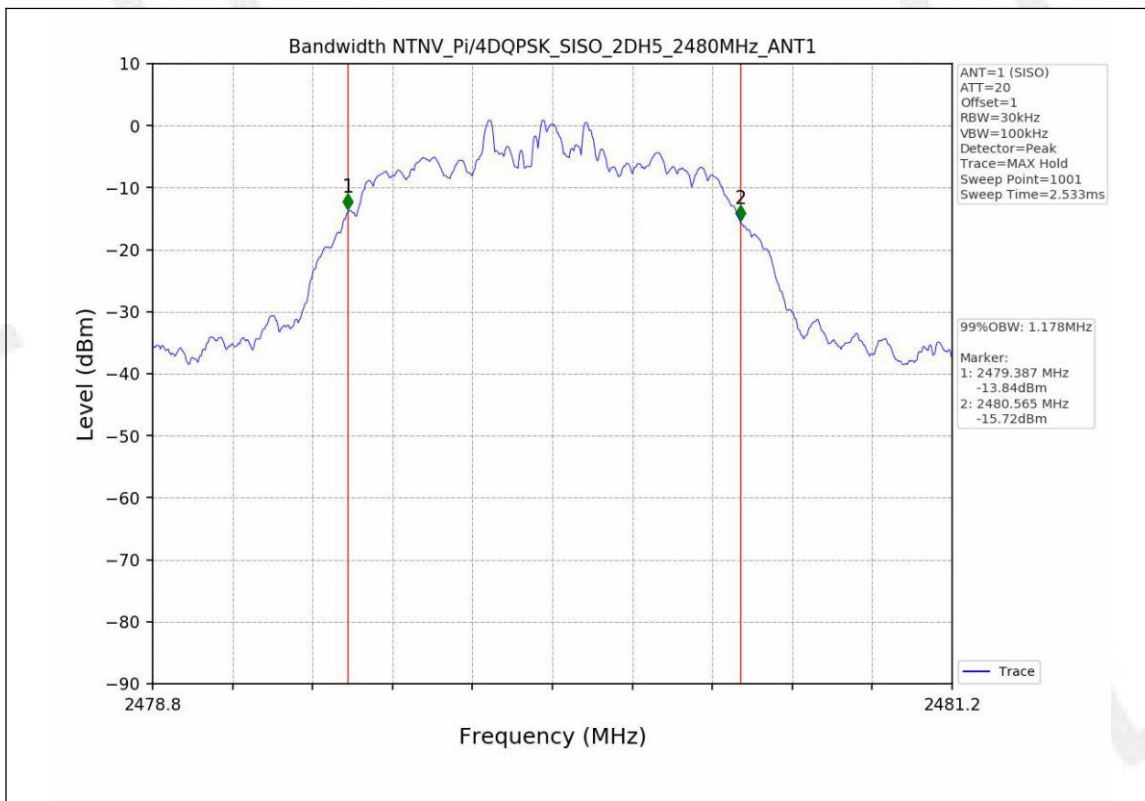


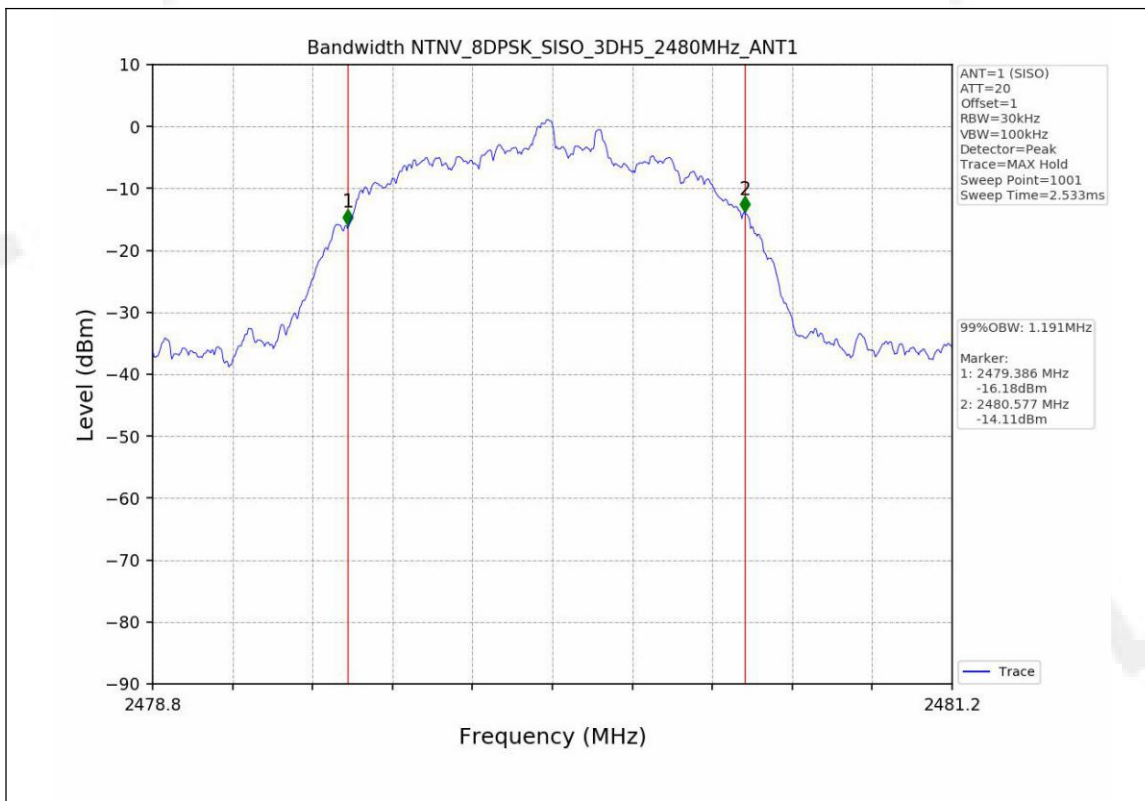
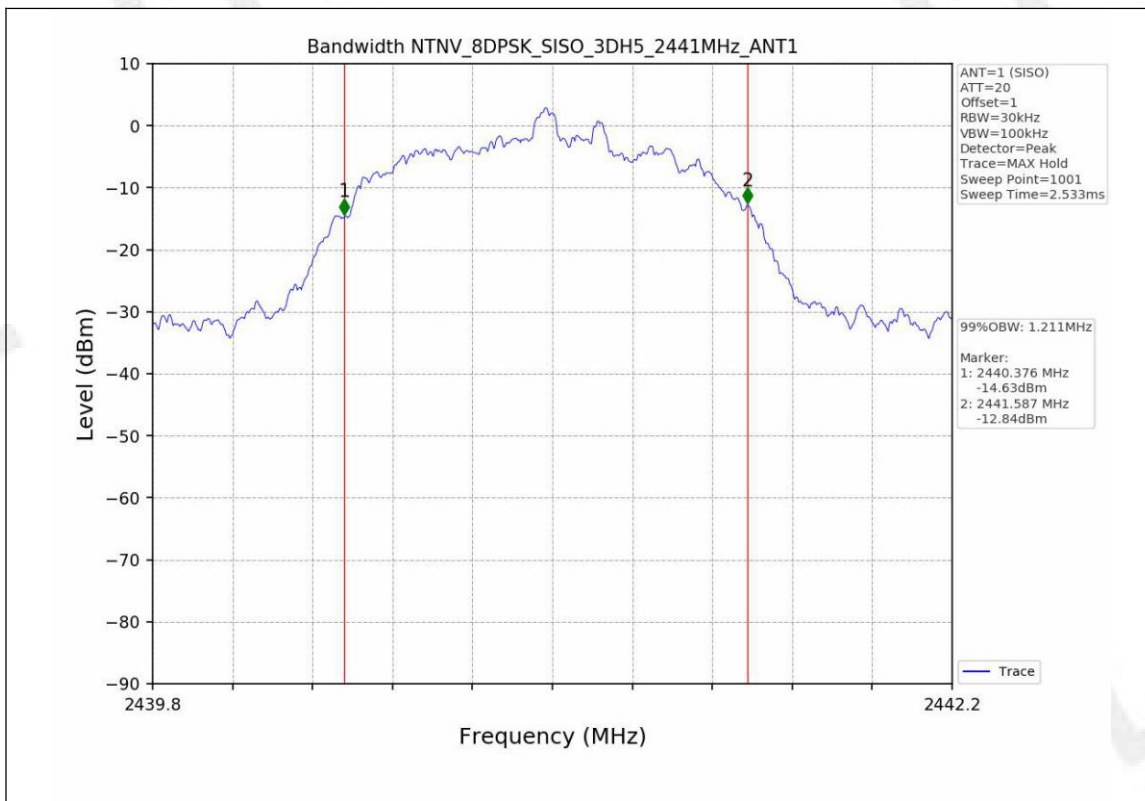
1.3 Test Graph - 99% Occupied Bandwidth









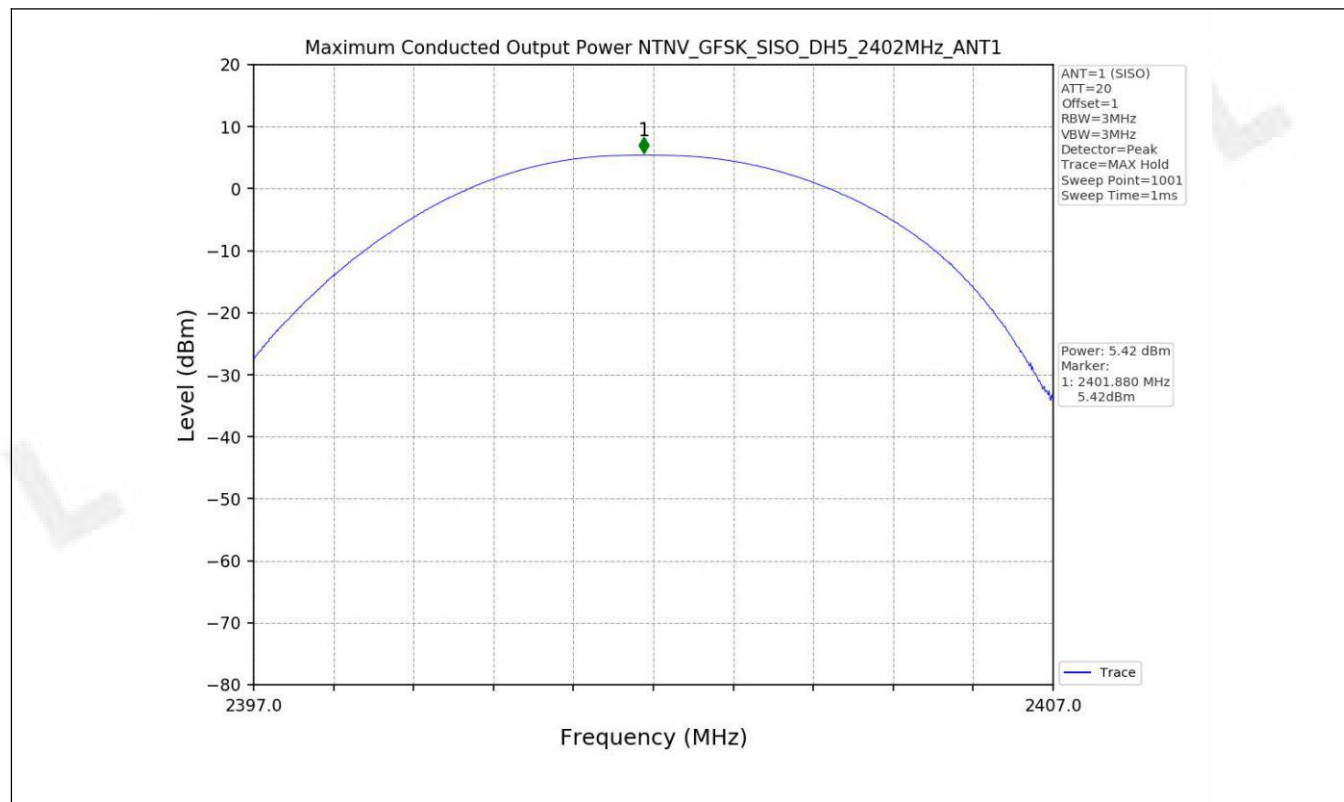


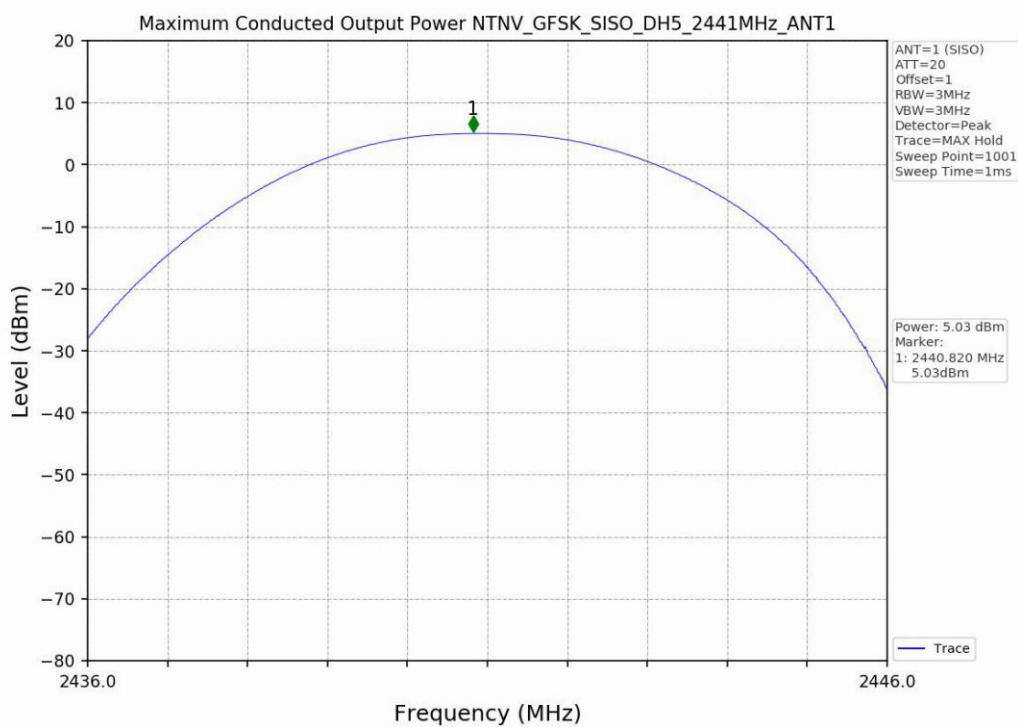
2. Maximum Conducted Output Power

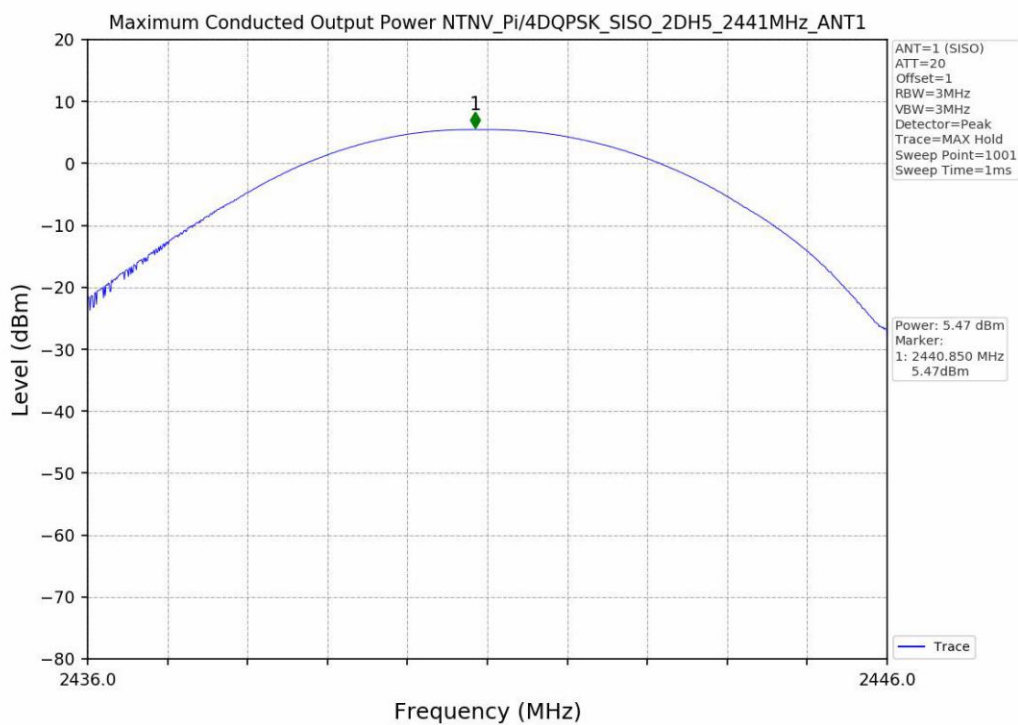
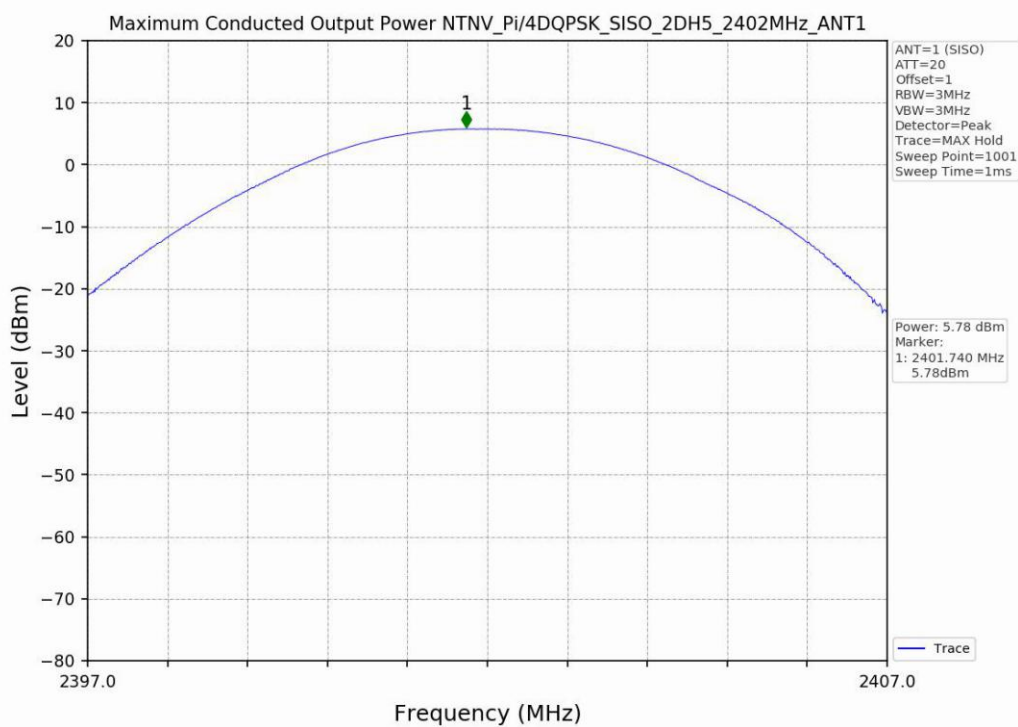
2.1 Test Result

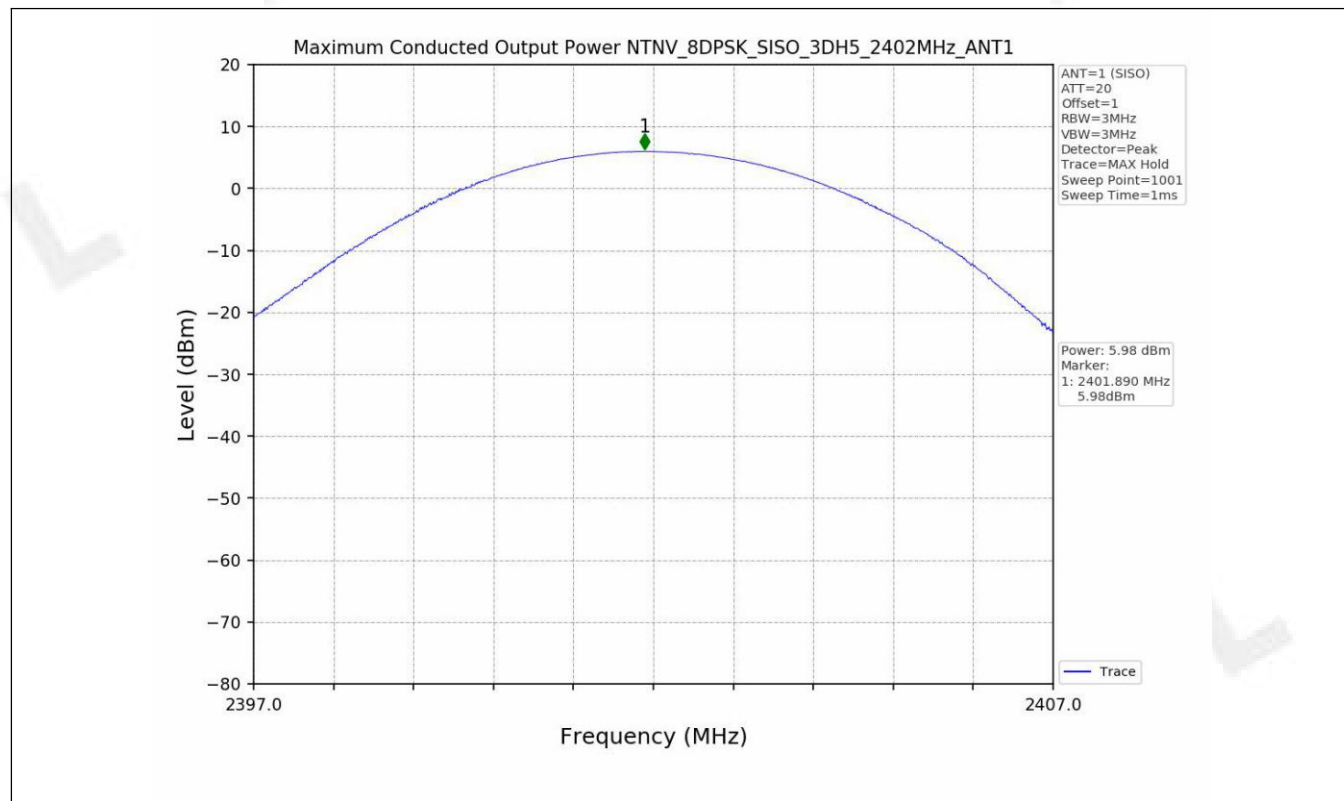
Test Mode	Frequency (MHz)	Tx Type	Measured Peak Output Power (dBm)	Limits (dBm)	Verdict
			Ant 1		
GFSK	2402	SISO	5.42	30	PASS
	2441	SISO	5.03	30	PASS
	2480	SISO	3.76	30	PASS
Pi/4DQPSK	2402	SISO	5.78	20.97	PASS
	2441	SISO	5.47	20.97	PASS
	2480	SISO	4.24	20.97	PASS
8DPSK	2402	SISO	5.98	20.97	PASS
	2441	SISO	5.76	20.97	PASS
	2480	SISO	4.54	20.97	PASS

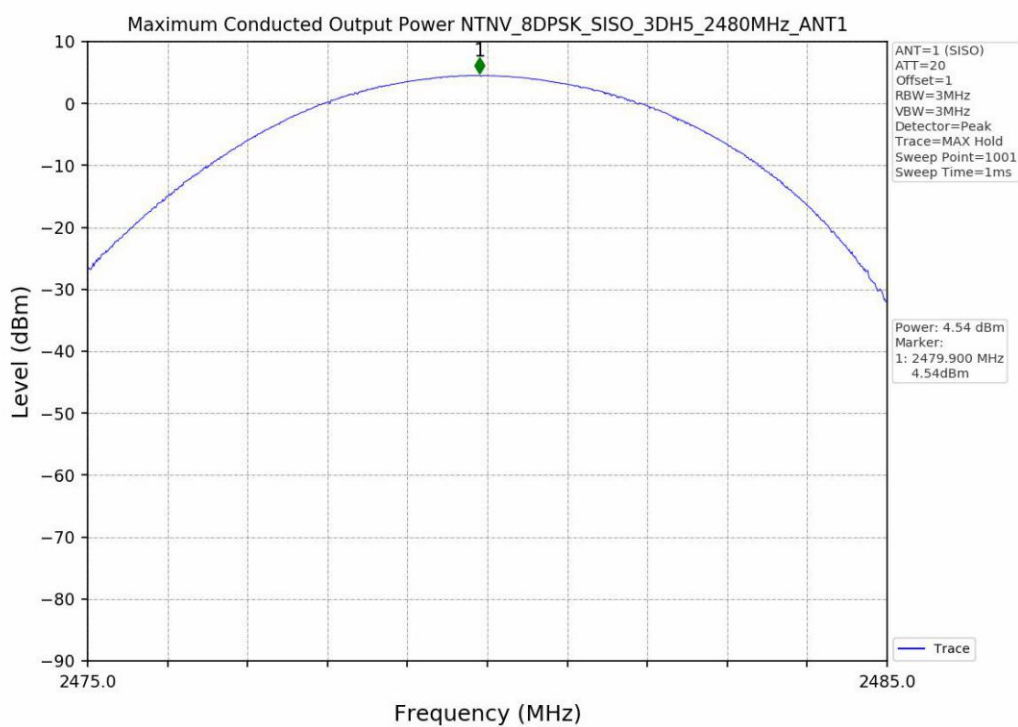
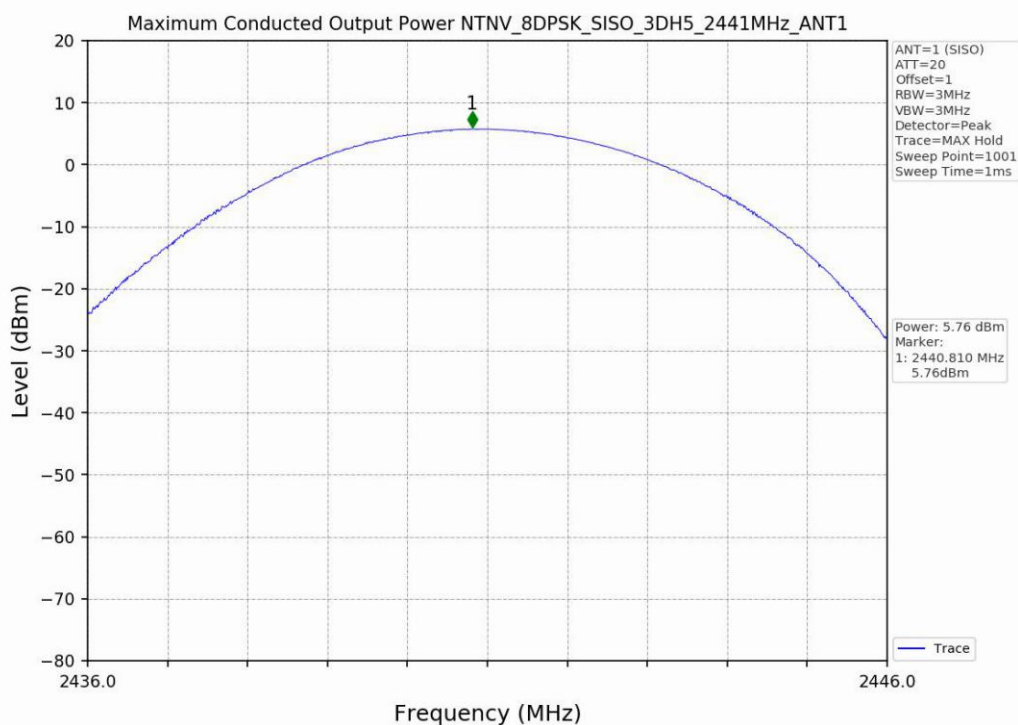
2.2 Test Graph









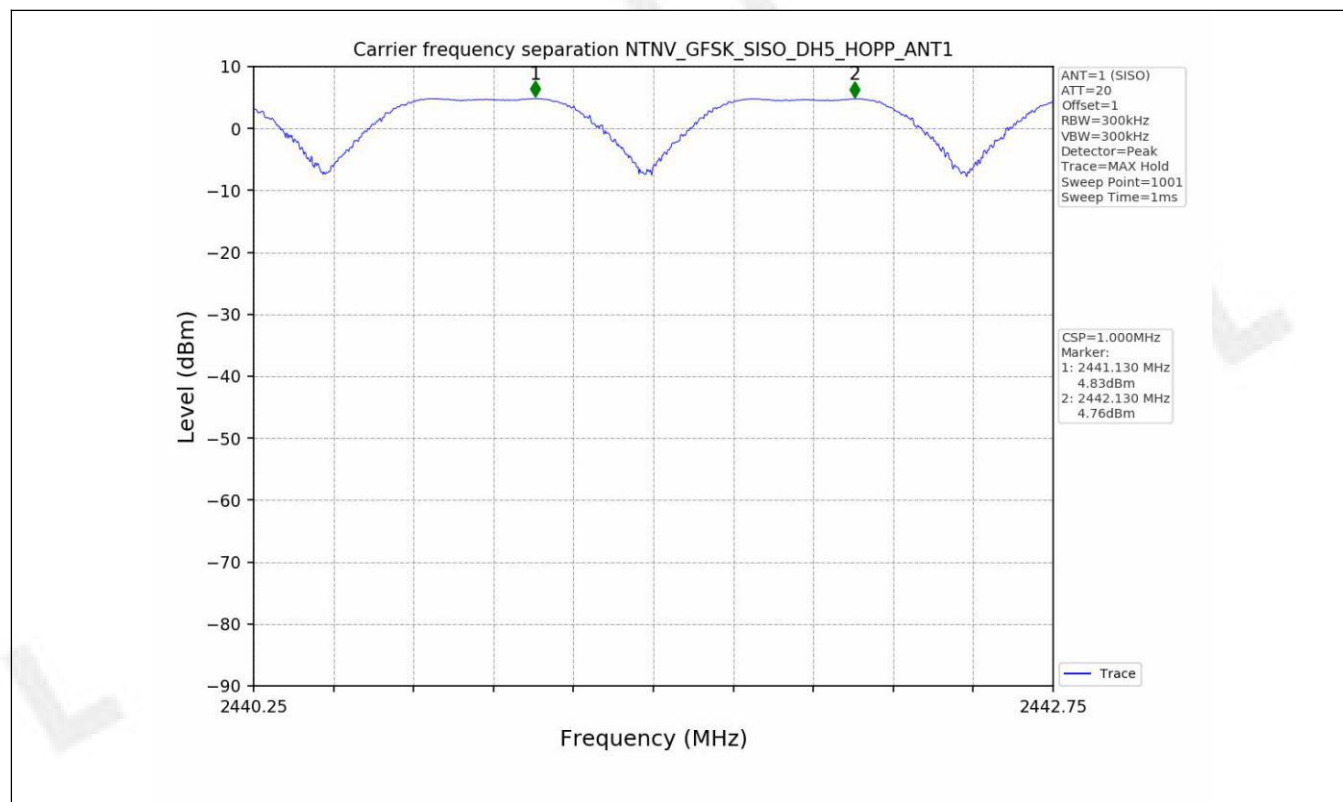


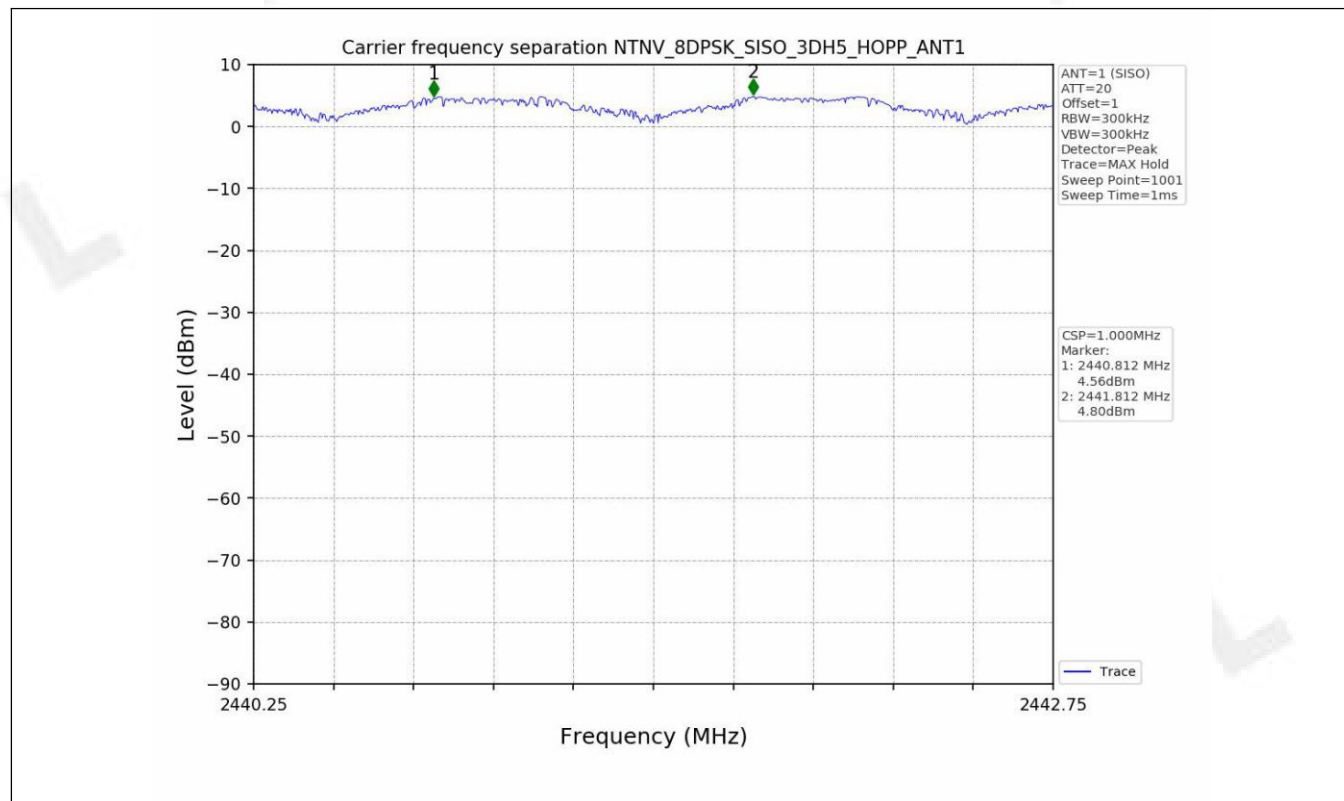
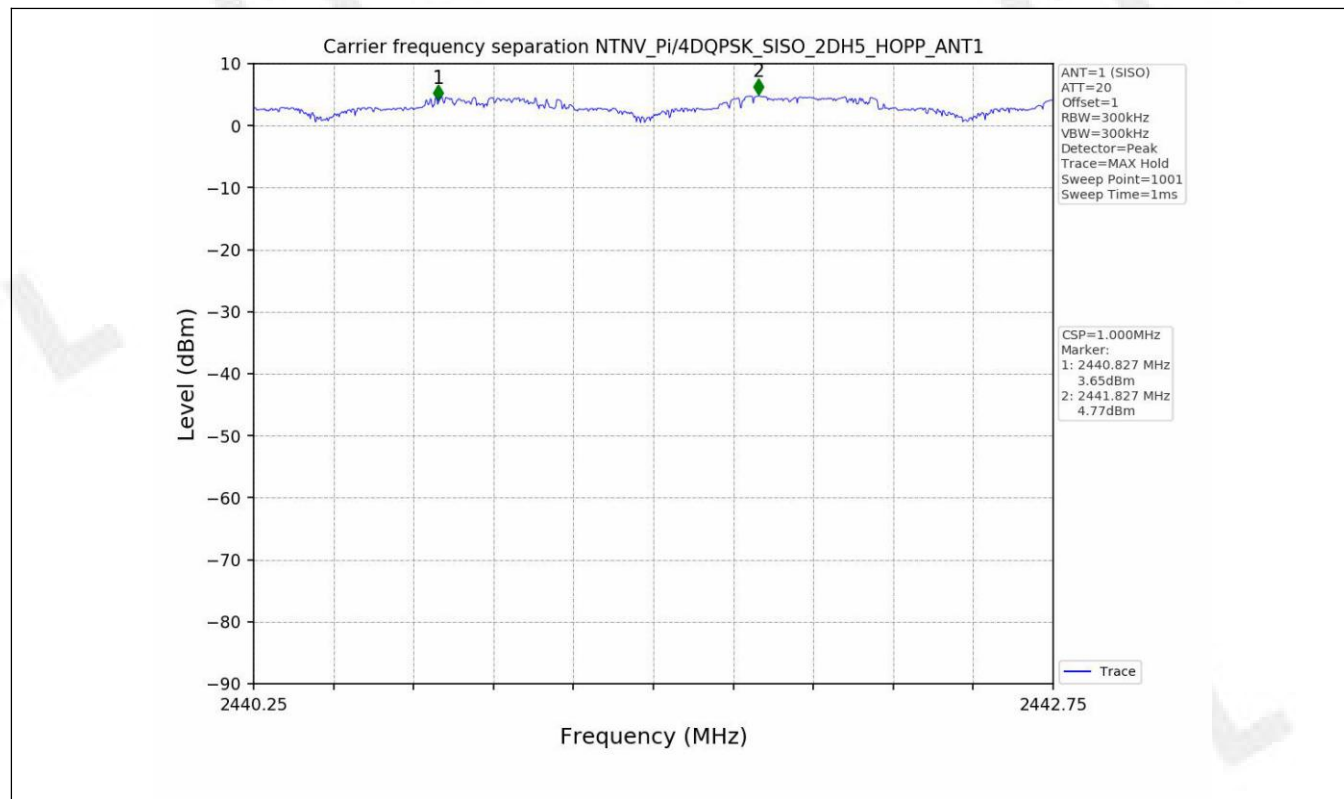
3. Carrier frequency separation

3.1 Test Result

Test Mode	TX Type	ANT No.	Channel Separation (MHz)	20dB Bandwidth (MHz)	Limits (MHz)	Verdict
GFSK	SISO	1	1.000	0.968	≥ 0.968	PASS
PI/4DQPSK	SISO	1	1.000	1.284	≥ 0.856	PASS
8DPSK	SISO	1	1.000	1.309	≥ 0.873	PASS

3.2 Test Graph



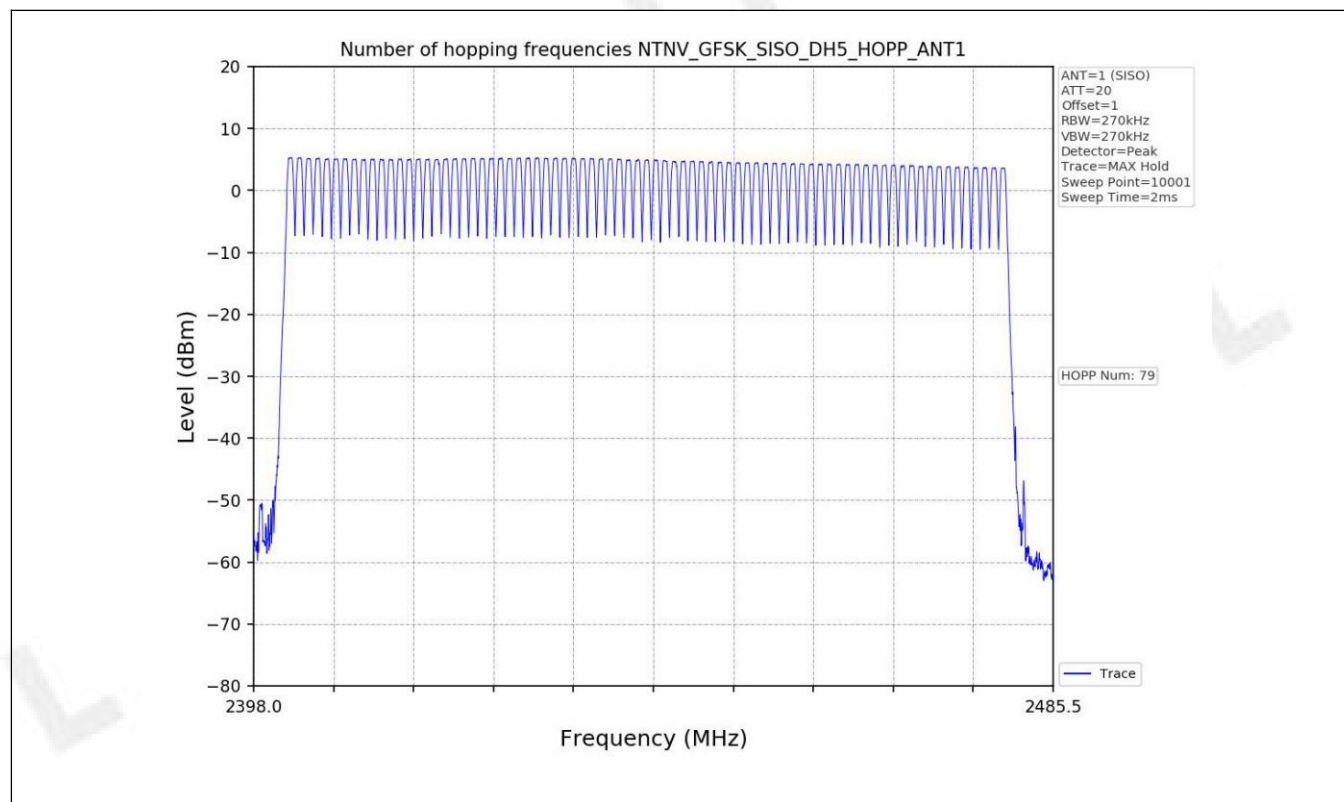


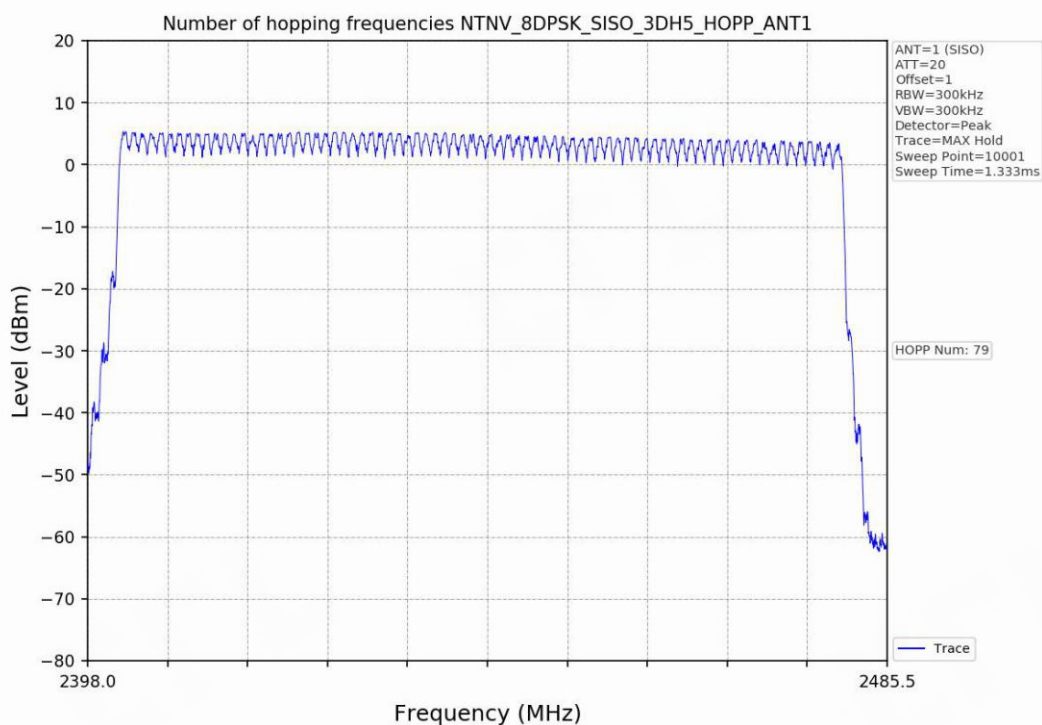
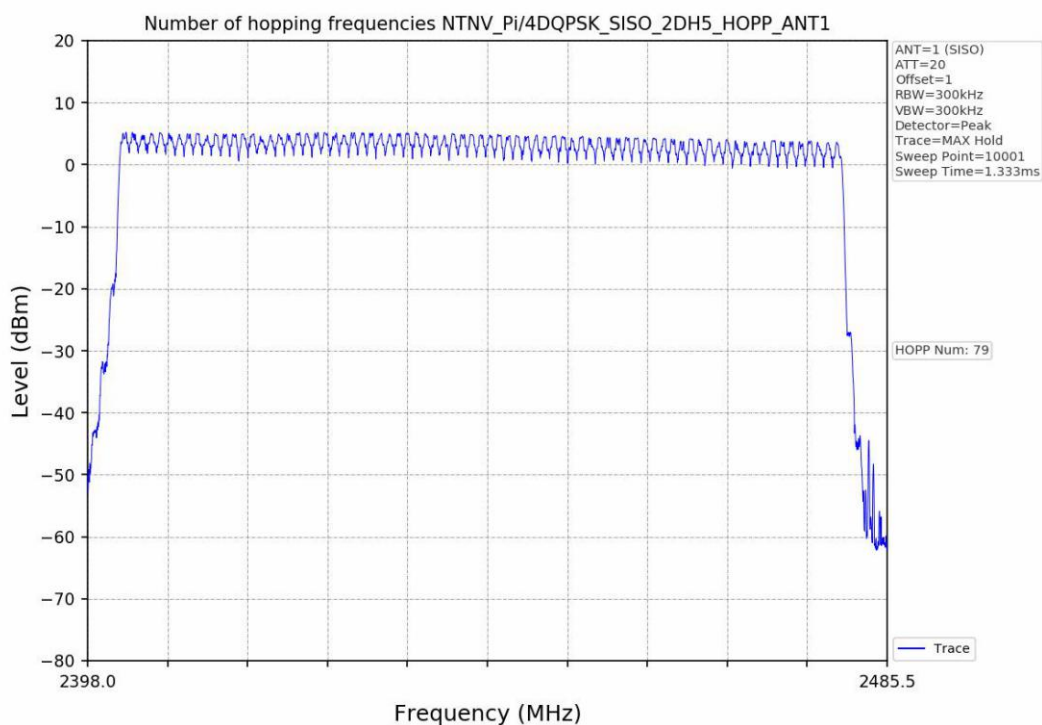
4. Number of hopping frequencies

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



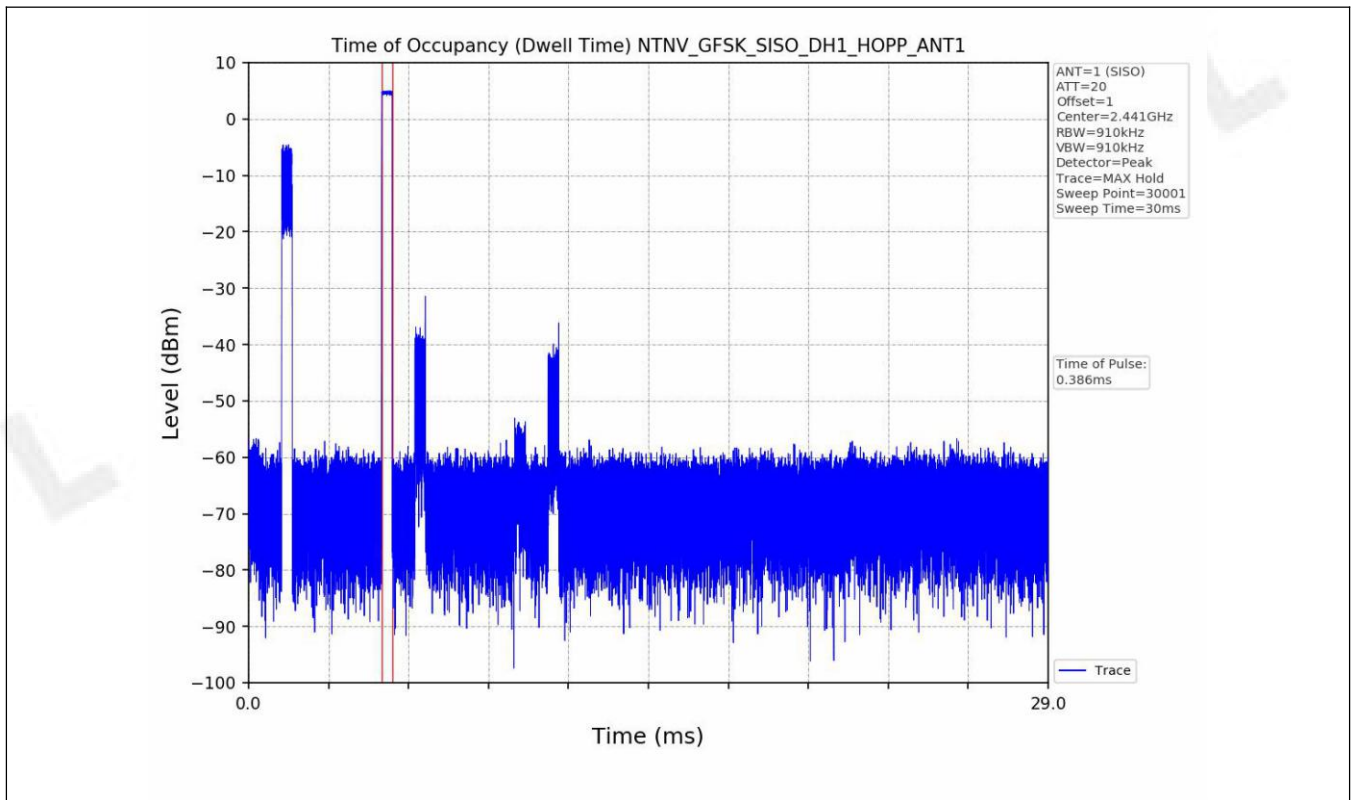


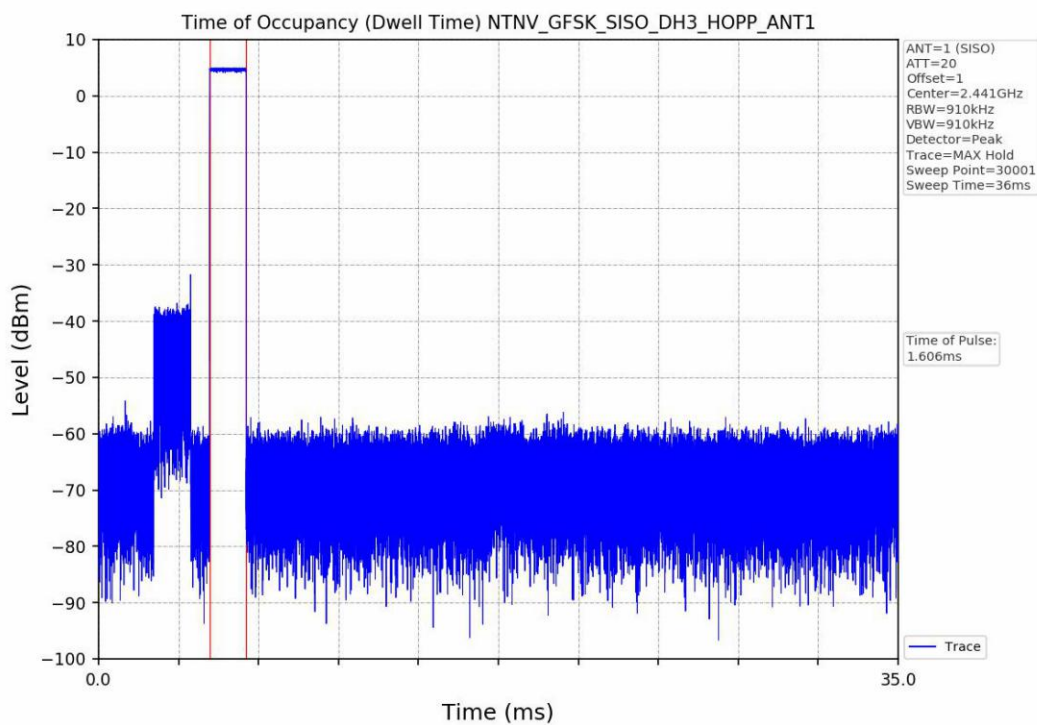
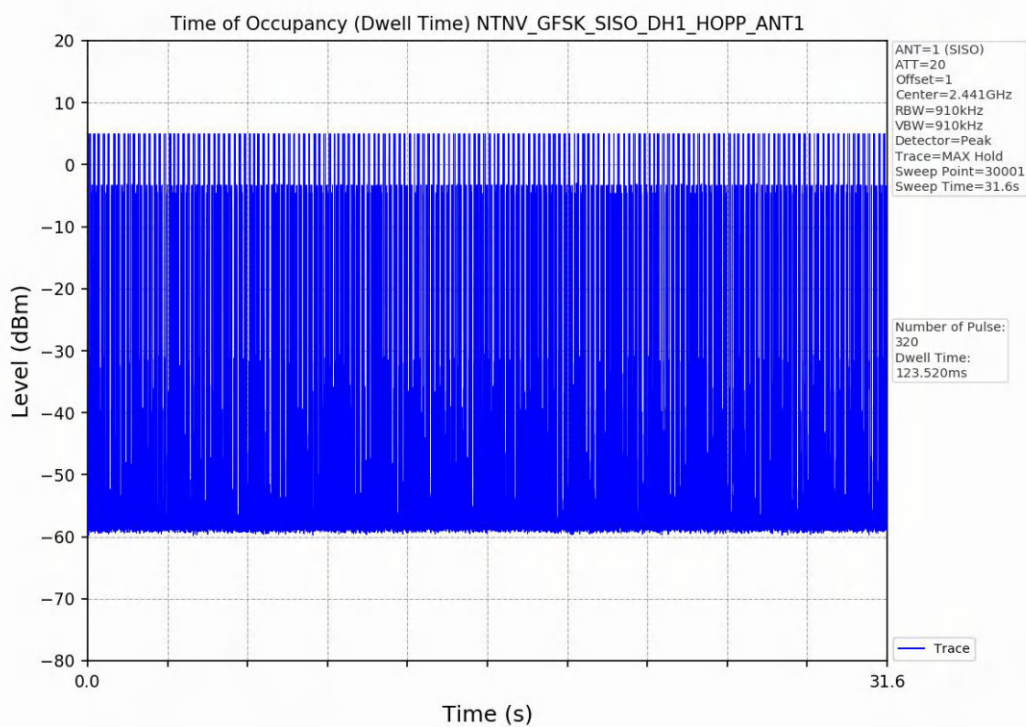
5. Time of Occupancy (Dwell Time)

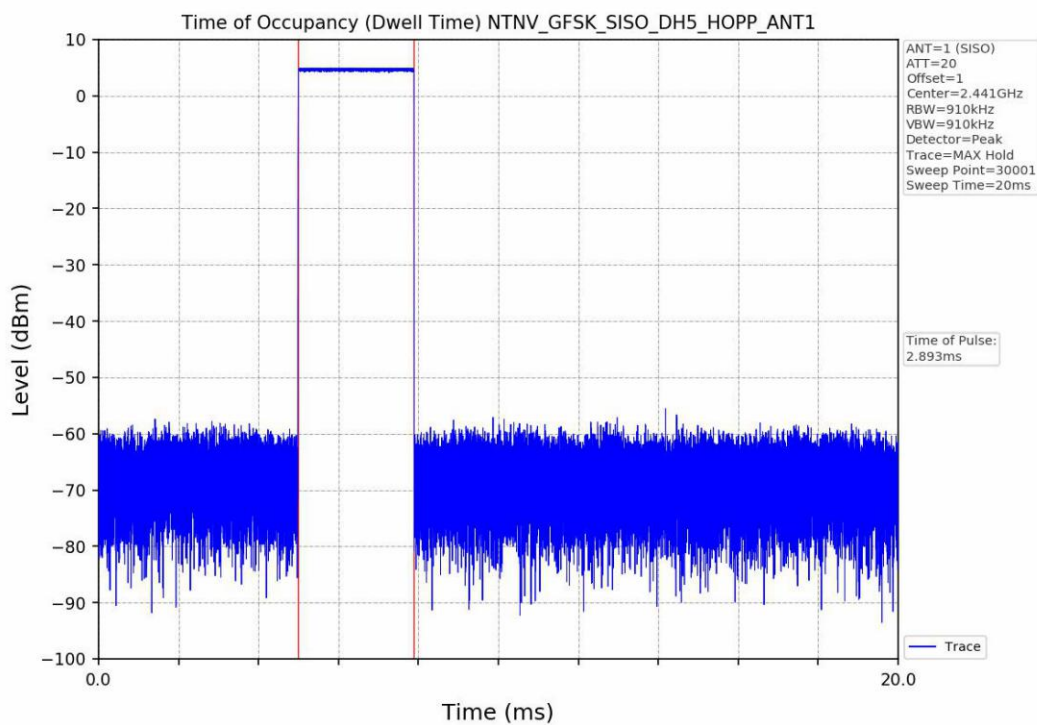
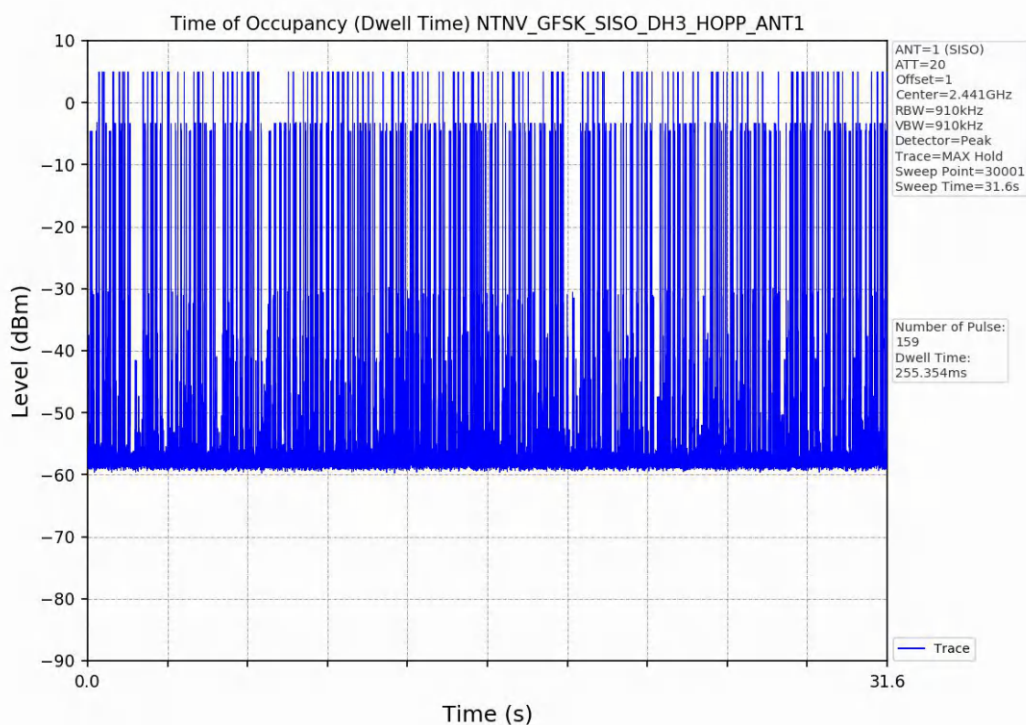
5.1 Test Result

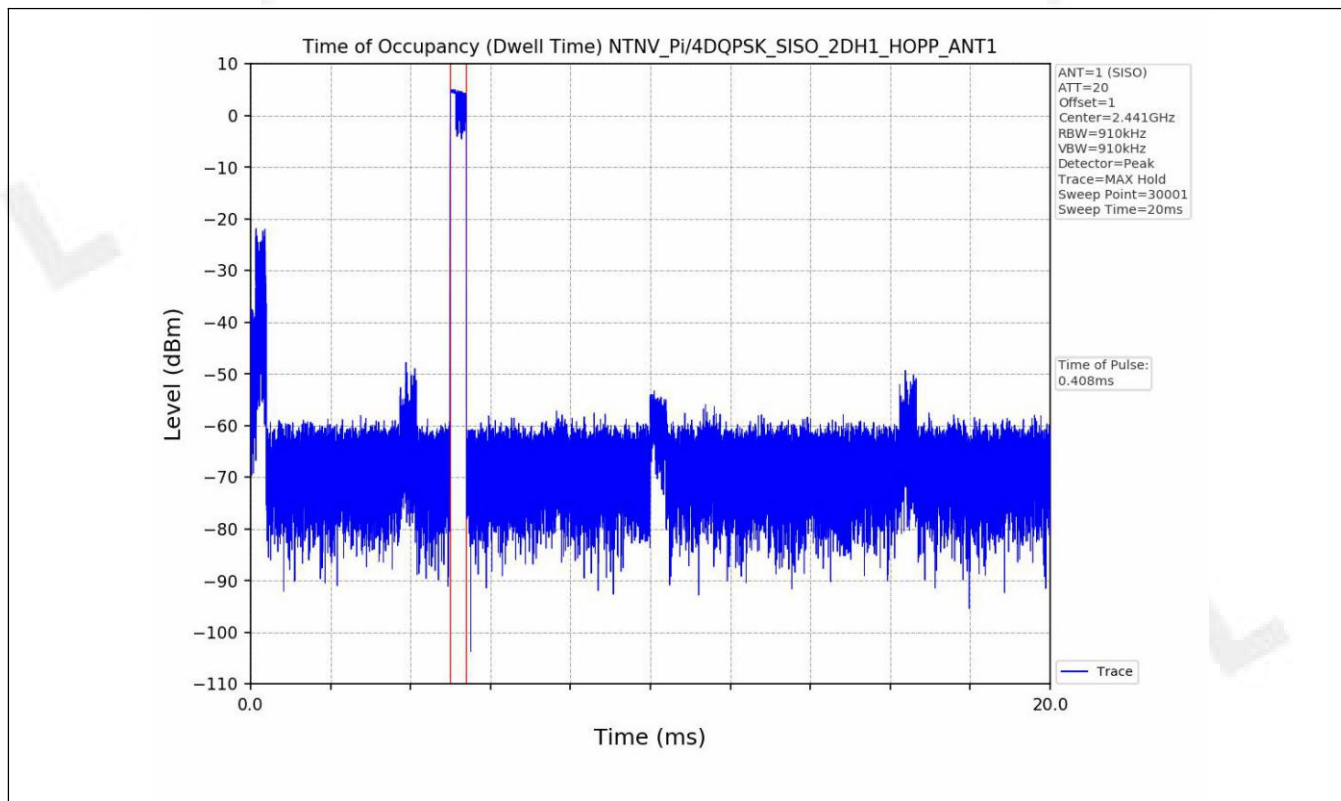
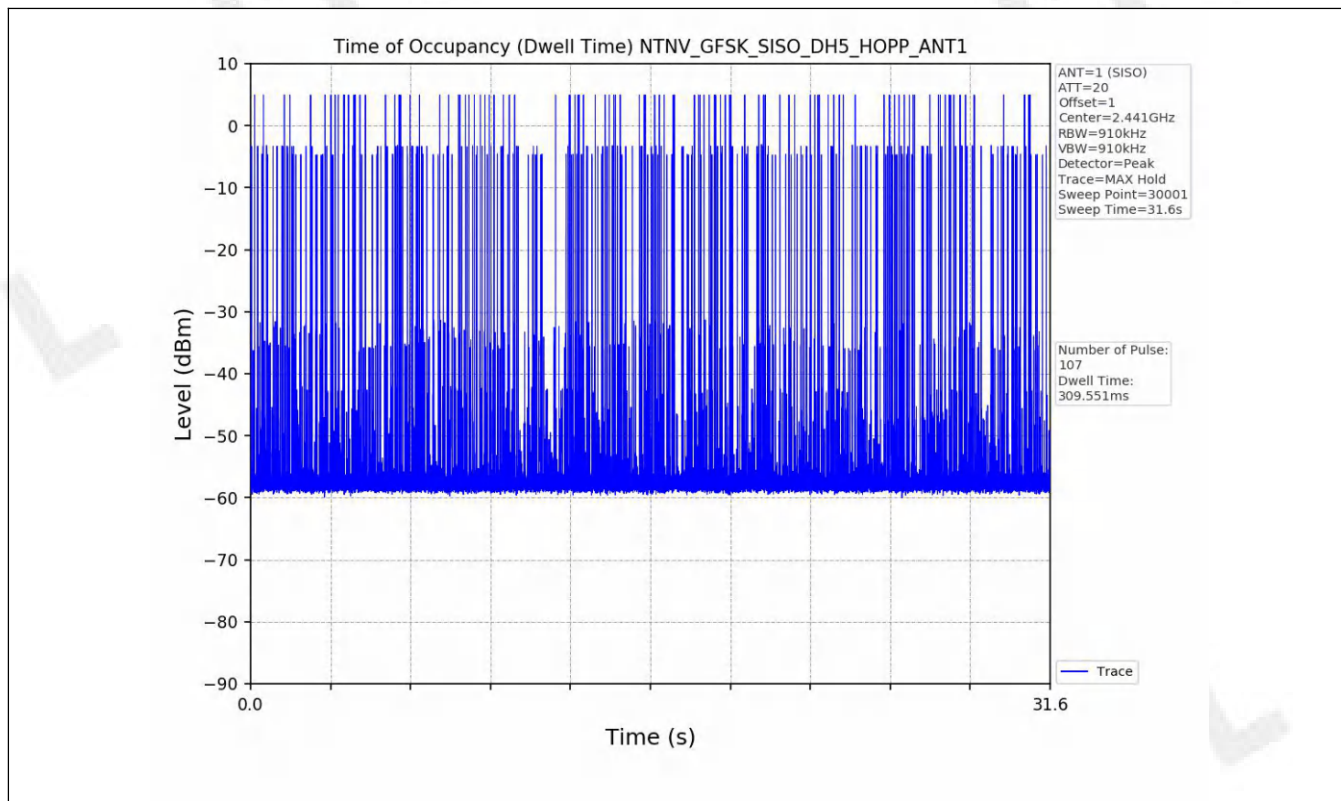
Test Mode	Packet Type	TX Type	ANT No.	Duration of Single Pulse (ms)	Observation Period (s)	Num of Pulse in Observation Period	Dwell Time (ms)	Limits (ms)	Verdict
GFSK	DH1	SISO	1	0.386	31.6	320	123.520	≤400	PASS
	DH3	SISO	1	1.606	31.6	159	255.354	≤400	PASS
	DH5	SISO	1	2.893	31.6	107	309.551	≤400	PASS
Pi/4DQPSK	2DH1	SISO	1	0.408	31.6	320	130.560	≤400	PASS
	2DH3	SISO	1	1.660	31.6	159	263.940	≤400	PASS
	2DH5	SISO	1	2.908	31.6	103	299.524	≤400	PASS
8DPSK	3DH1	SISO	1	0.408	31.6	320	130.560	≤400	PASS
	3DH3	SISO	1	1.661	31.6	158	262.438	≤400	PASS
	3DH5	SISO	1	2.912	31.6	102	297.024	≤400	PASS

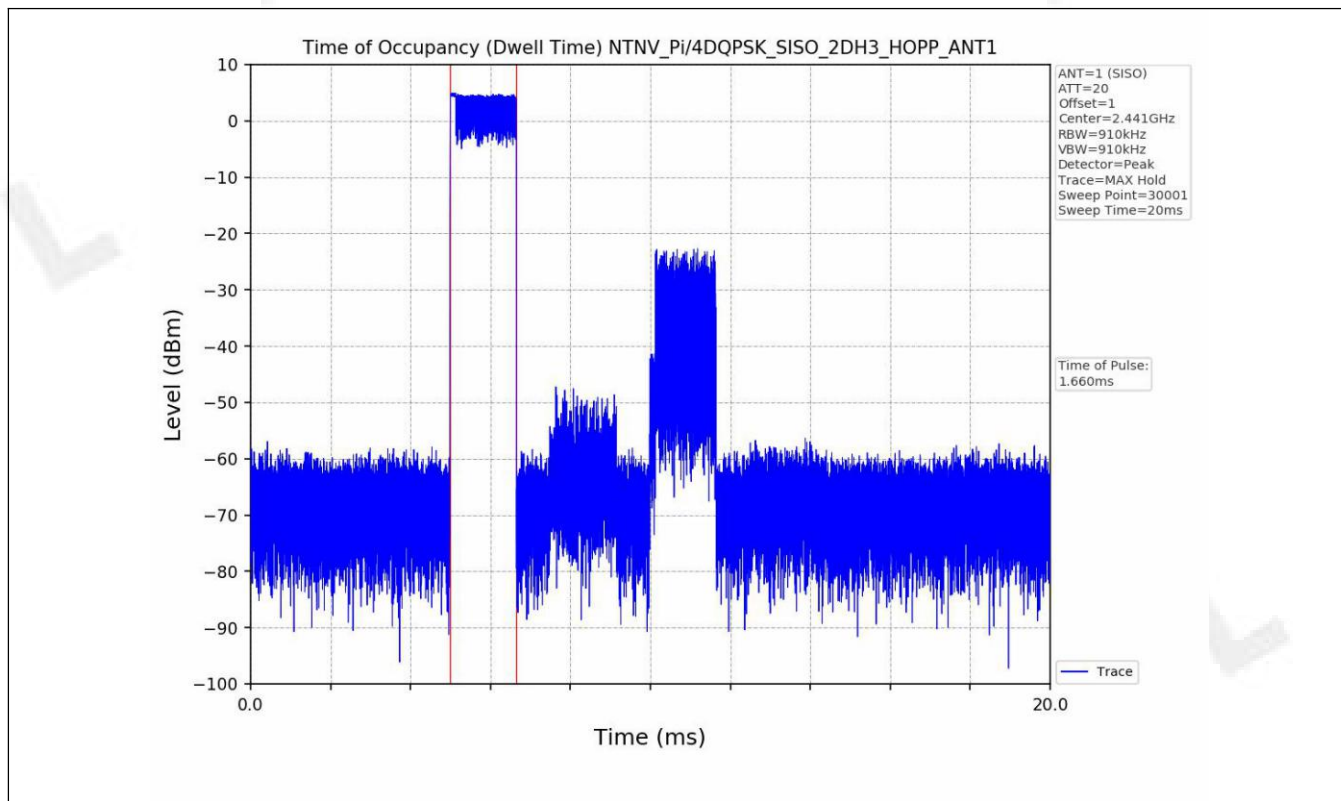
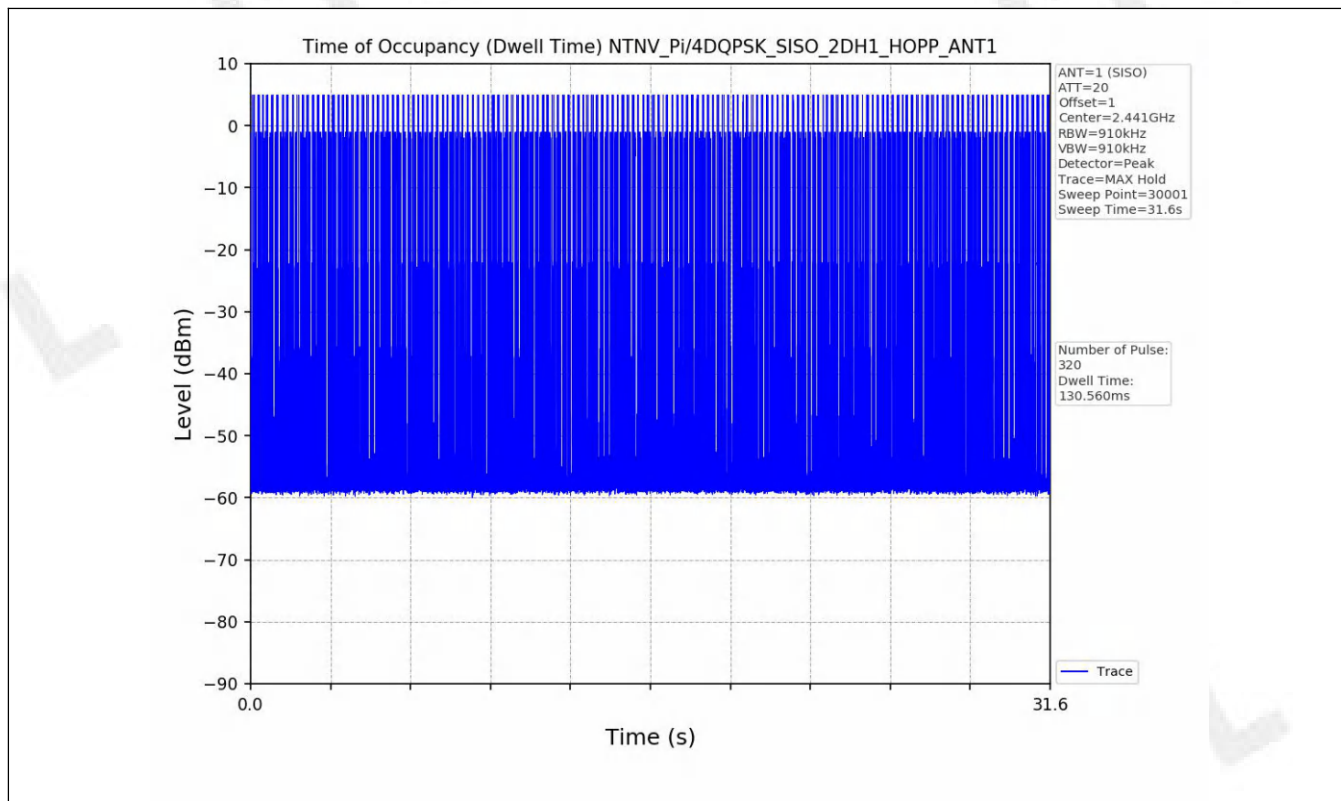
5.2 Test Graph

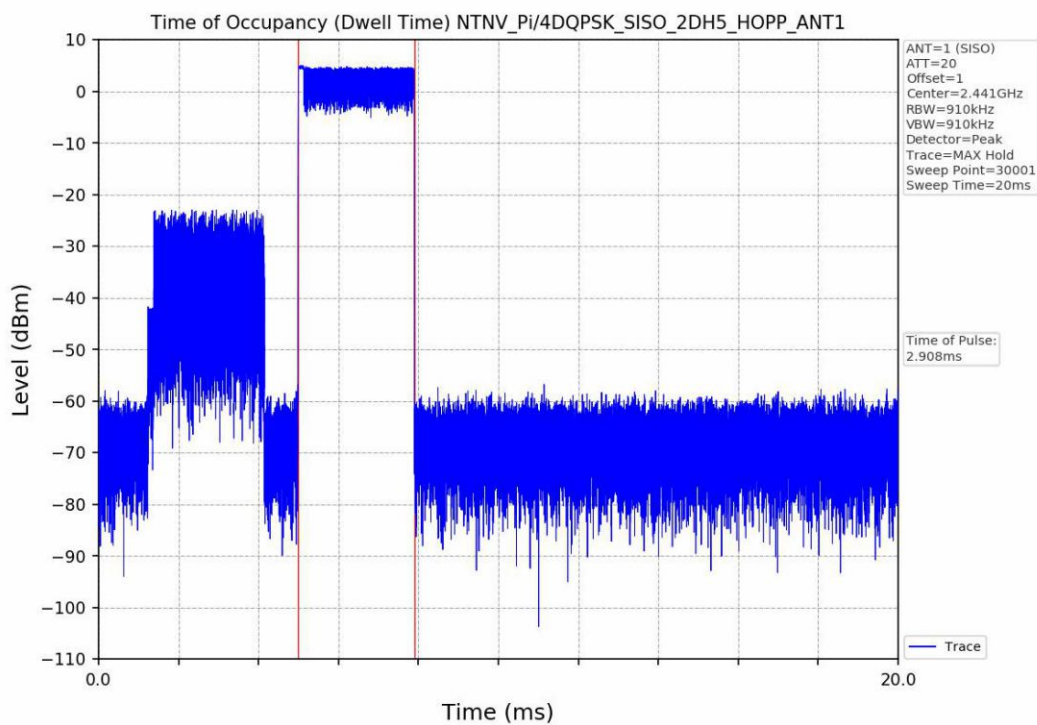
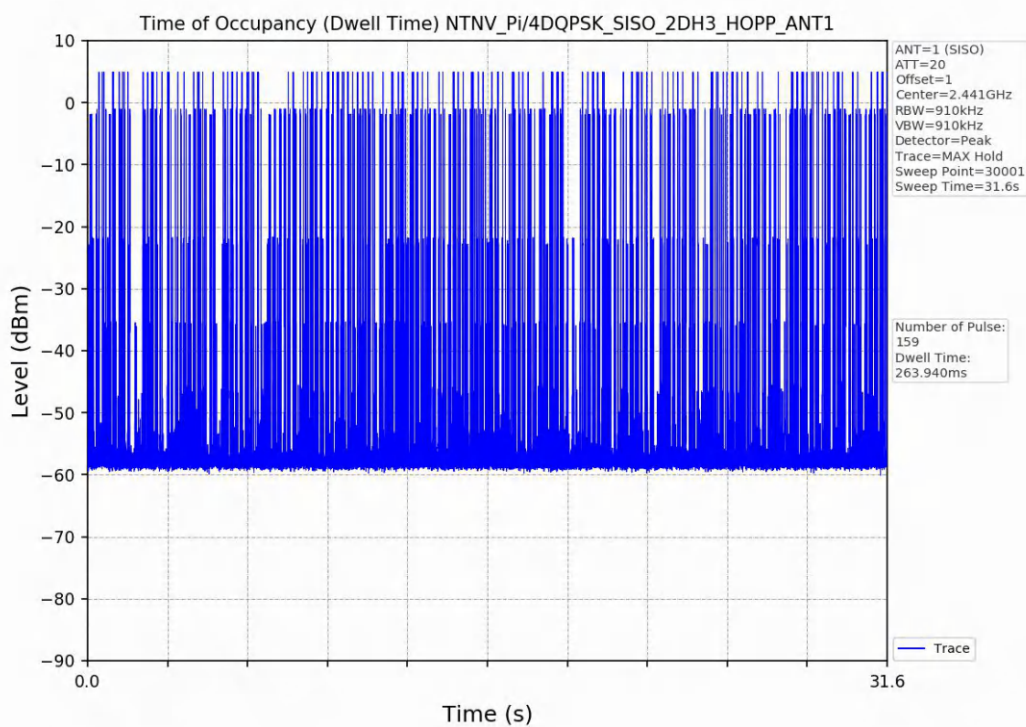


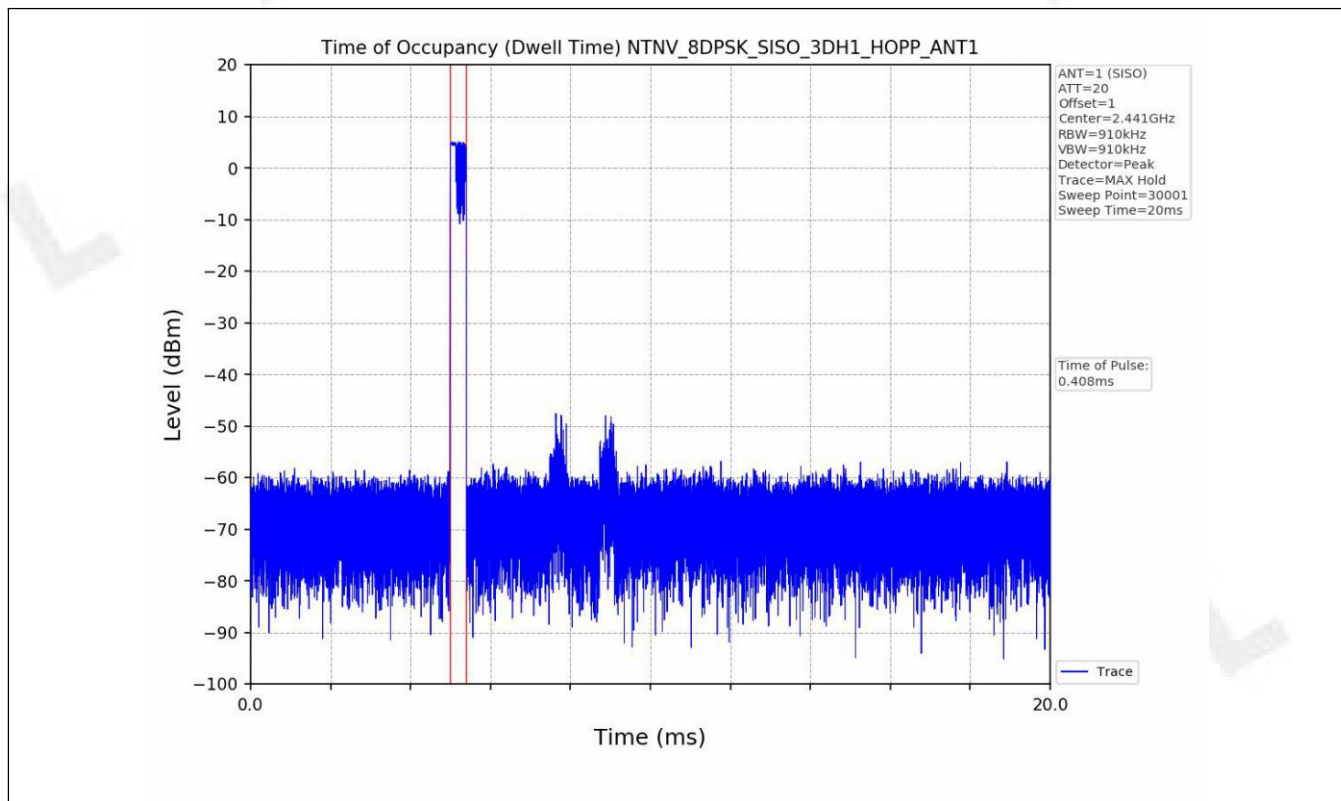
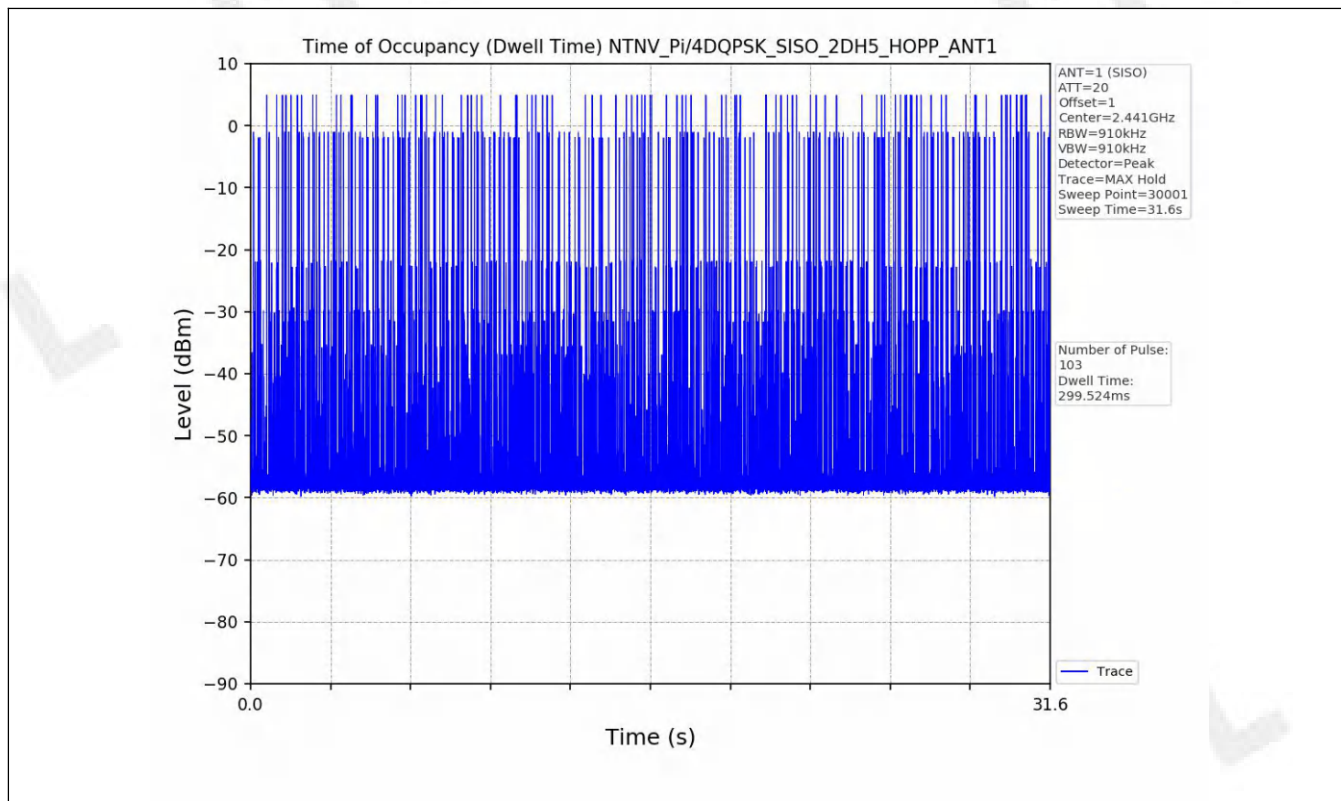


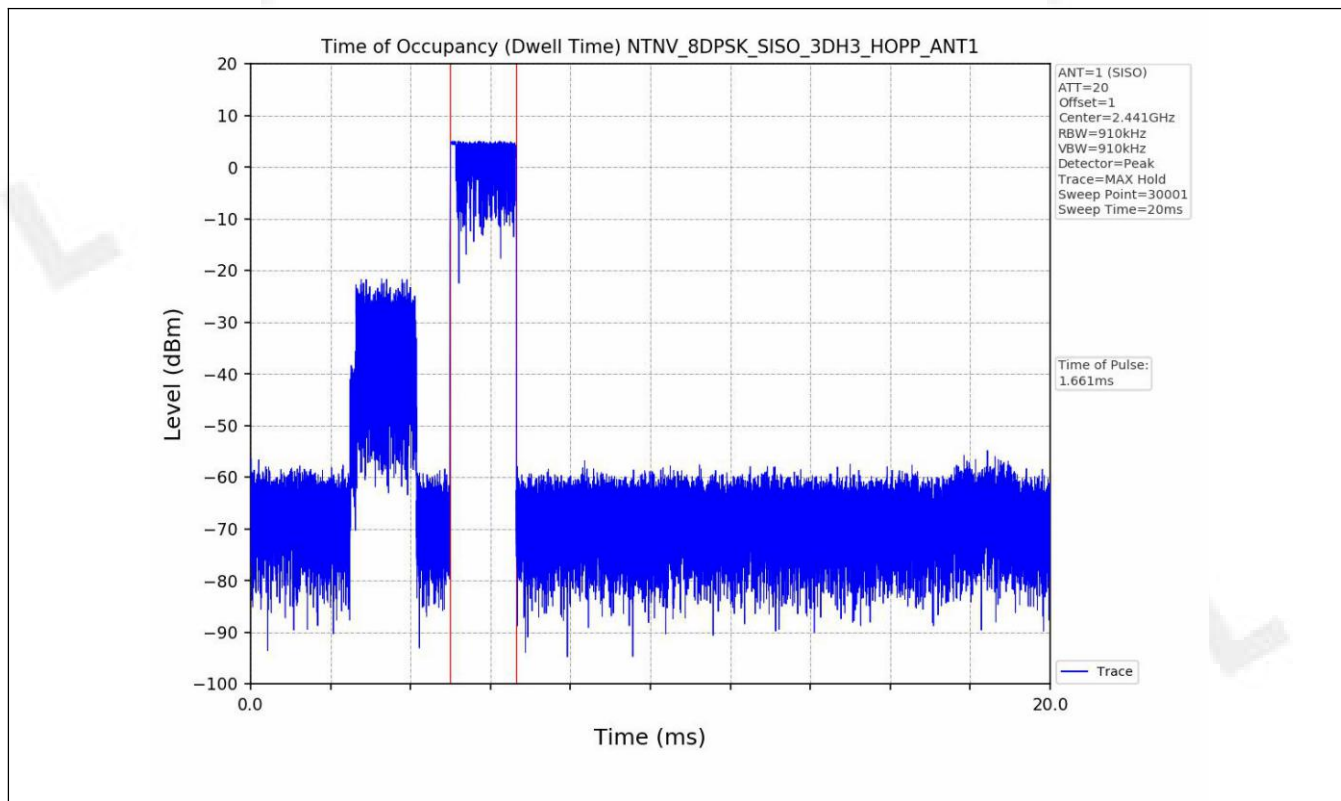
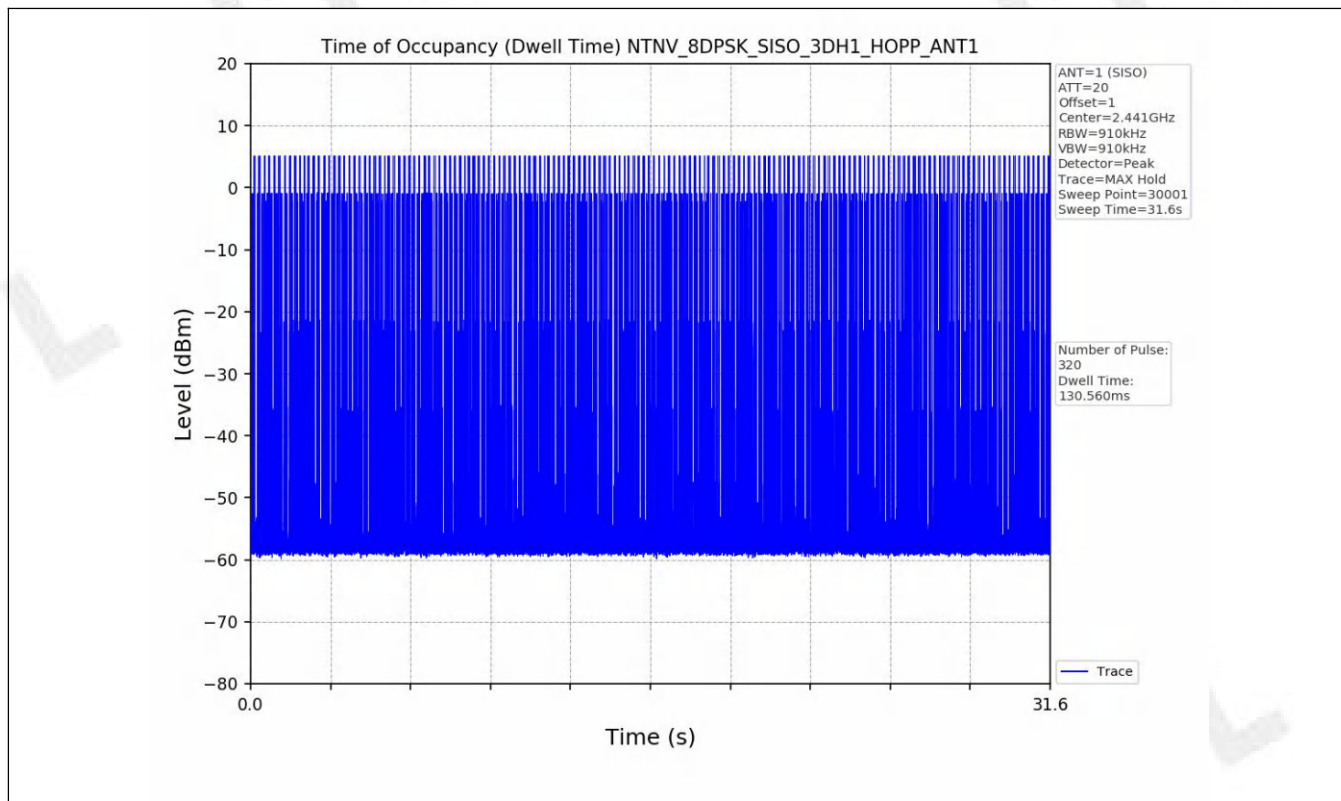


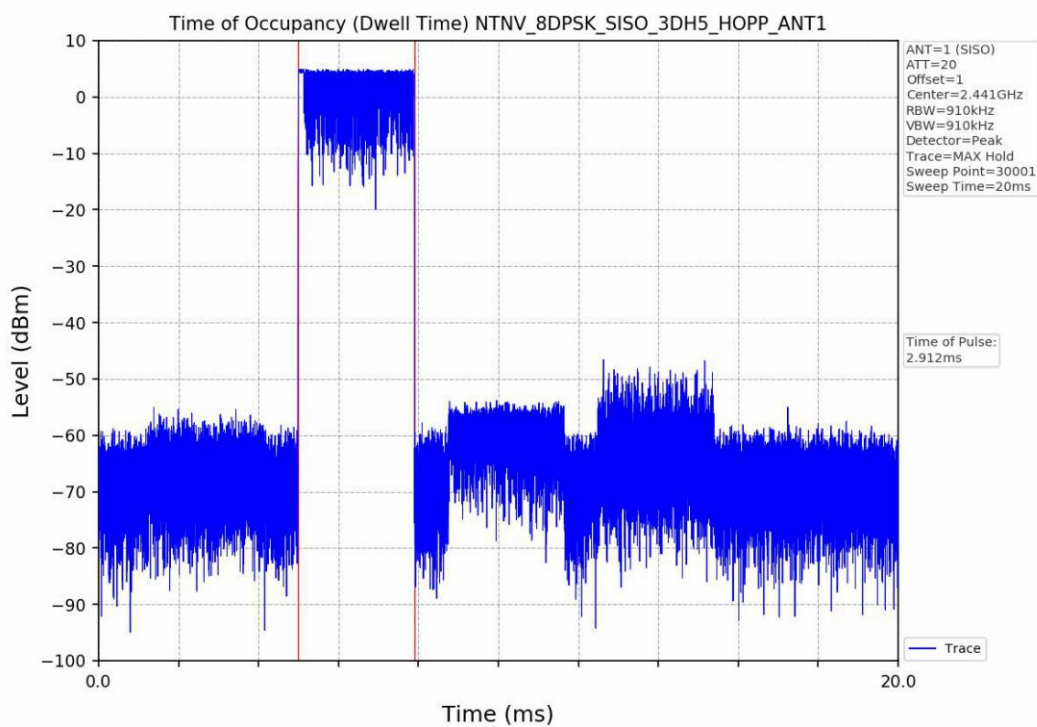
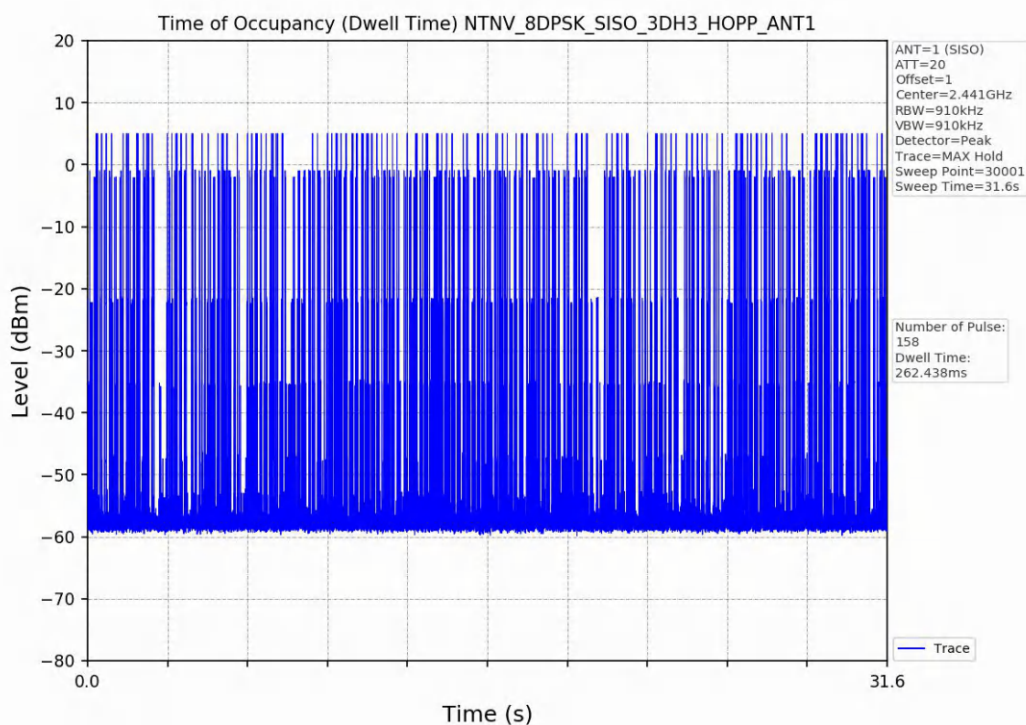


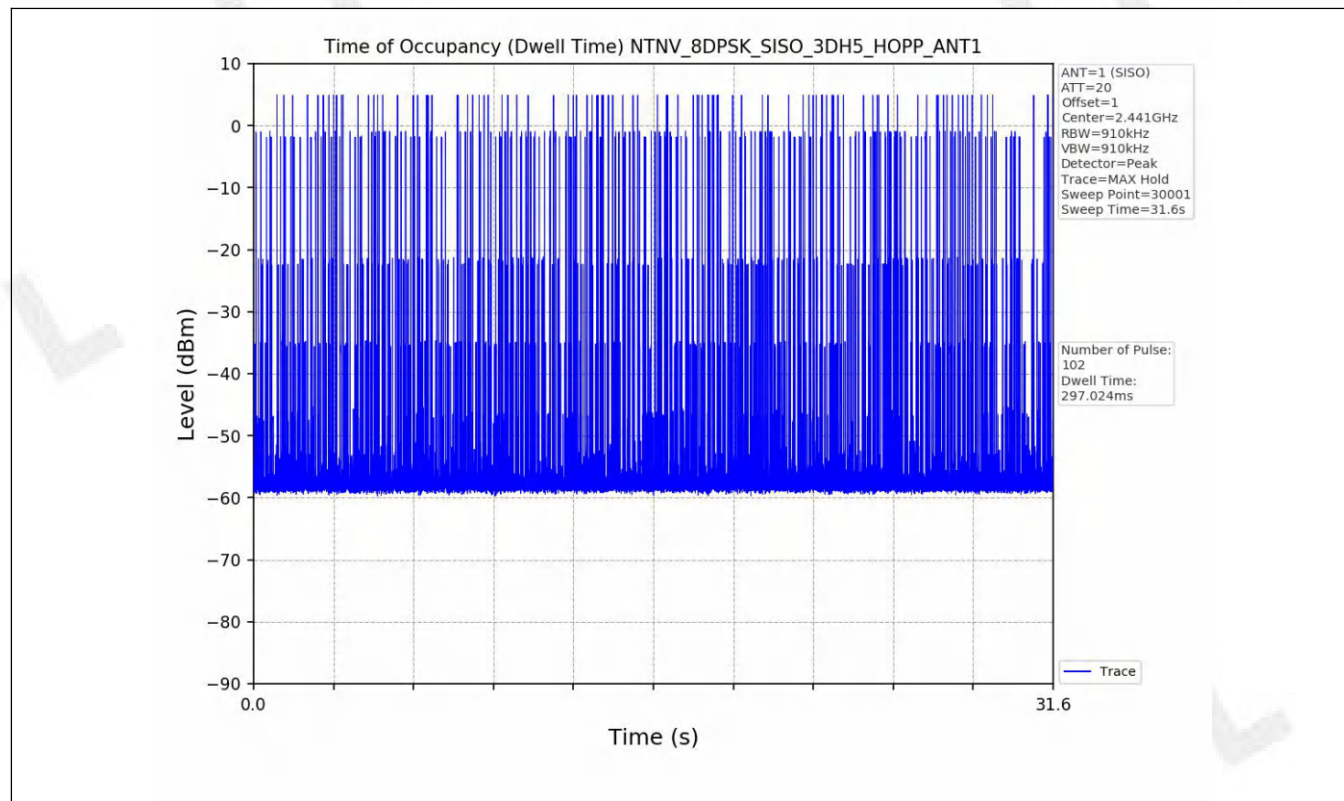












6. Unwanted Emissions in Non-restricted Frequency Bands

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	-14.84	PASS
	2441	SISO	1	Refer to test graph	-14.84	PASS
	2480	SISO	1	Refer to test graph	-14.84	PASS
	Hopping	SISO	1	Refer to test graph	-14.84	PASS
Pi/4DQPSK	2402	SISO	1	Refer to test graph	-14.96	PASS
	2441	SISO	1	Refer to test graph	-14.96	PASS
	2480	SISO	1	Refer to test graph	-14.96	PASS
	Hopping	SISO	1	Refer to test graph	-14.96	PASS
8DPSK	2402	SISO	1	Refer to test graph	-14.97	PASS
	2441	SISO	1	Refer to test graph	-14.97	PASS
	2480	SISO	1	Refer to test	-14.97	PASS

				graph		
	Hopping	SISO	1	Refer to test graph	-14.97	PASS

6.2 Test Graph

