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Appendix for 15.247

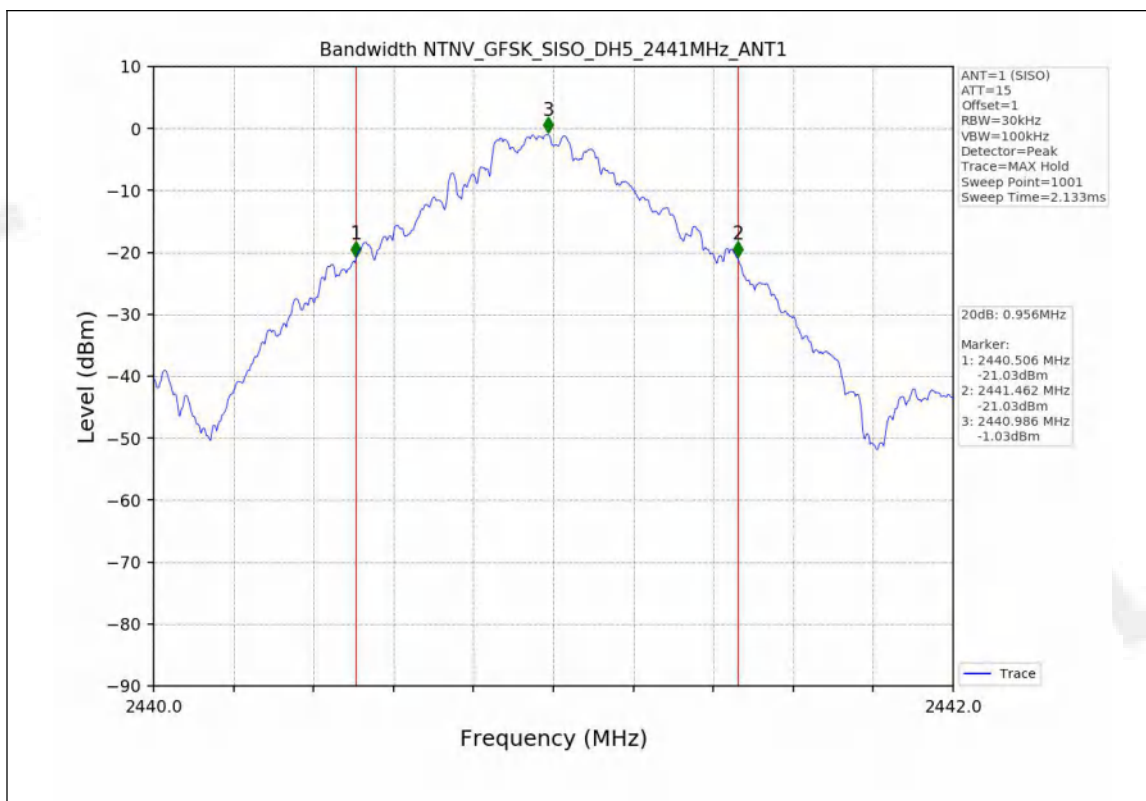
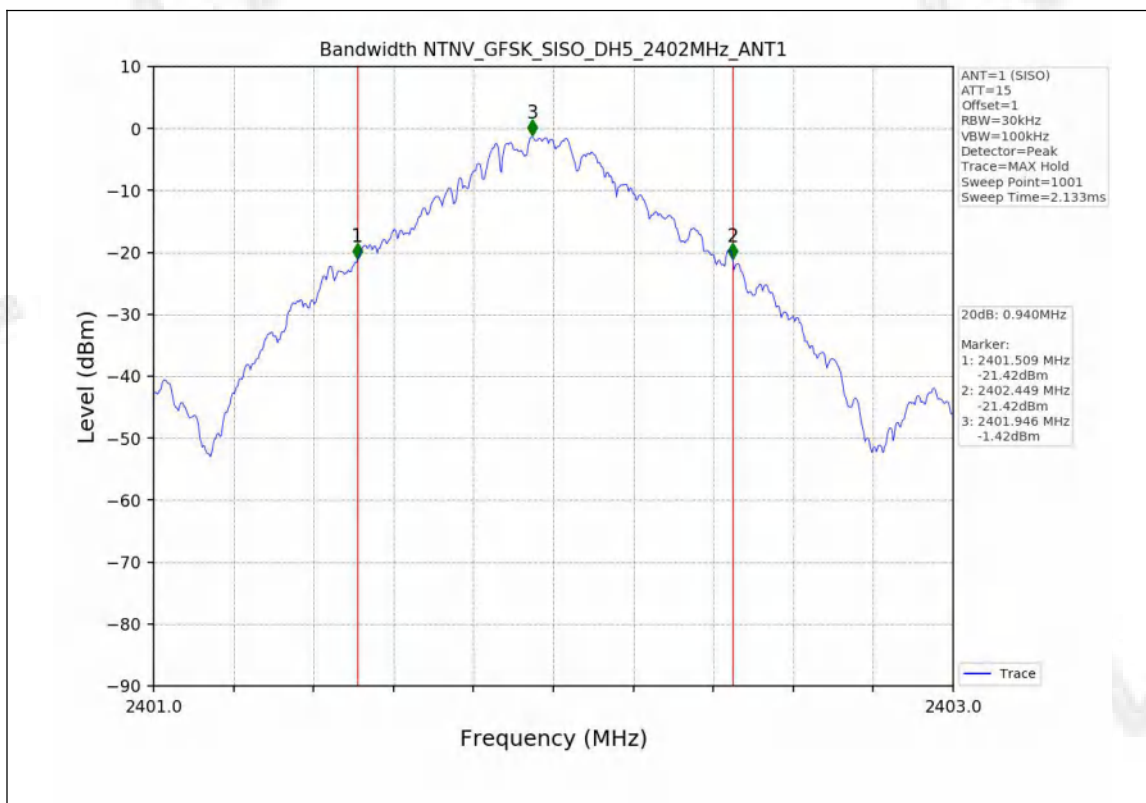
1. Bandwidth

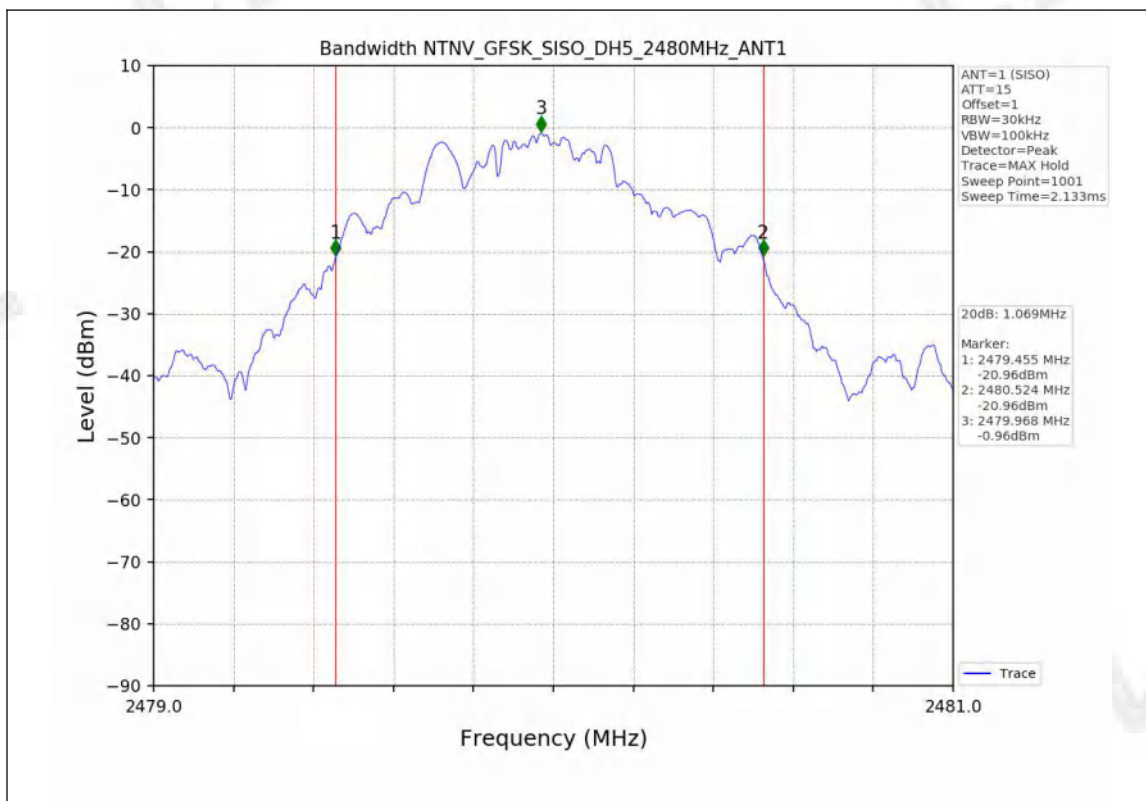
1.1 Test Result

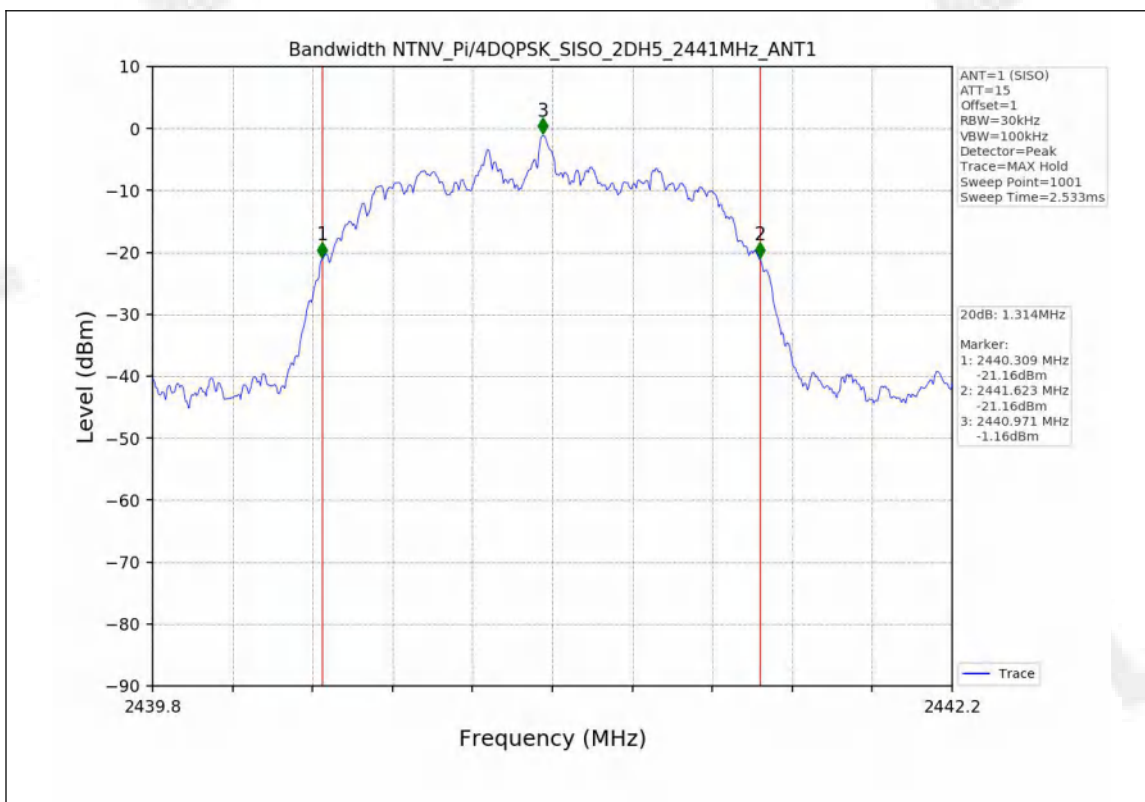
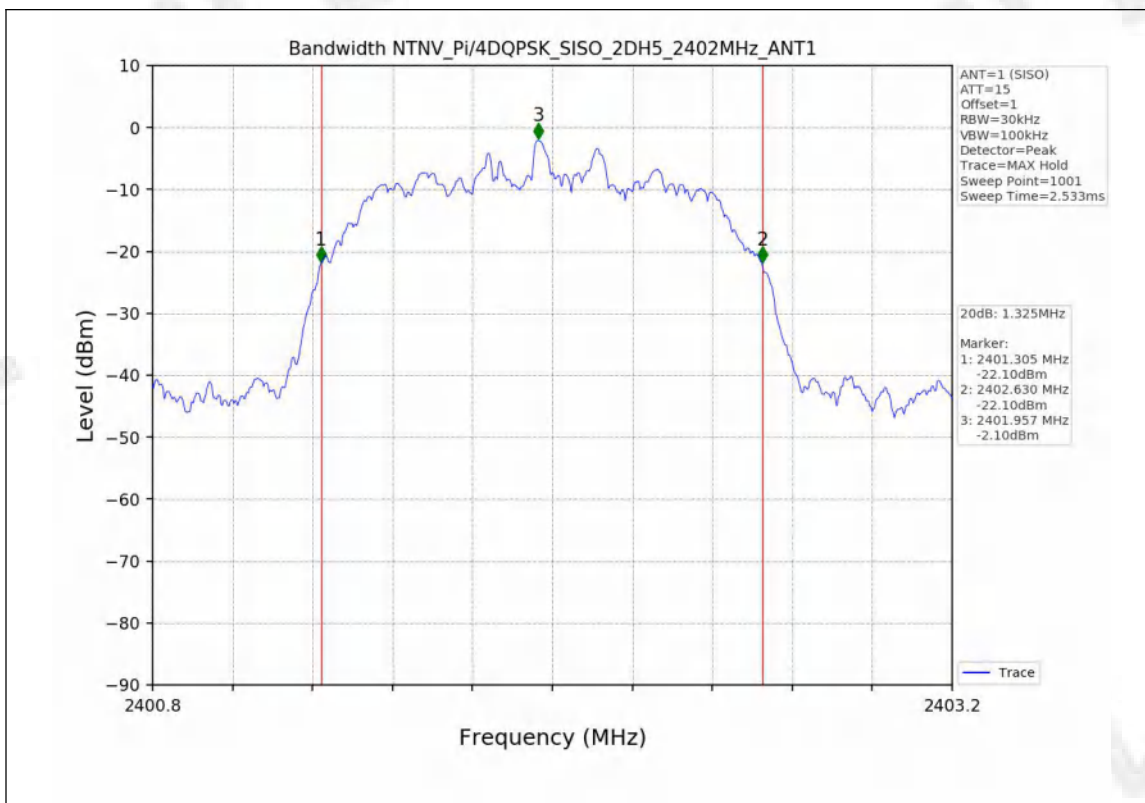
Test Mode	Frequency (MHz)	TX Type	ANT No.	20dB Bandwidth	Verdict
				Test Result (MHz)	
GFSK	2402	SISO	1	0.940	PASS
	2441	SISO	1	0.956	PASS
	2480	SISO	1	1.069	PASS
Pi/4DQPSK	2402	SISO	1	1.325	PASS
	2441	SISO	1	1.314	PASS
	2480	SISO	1	1.320	PASS
8DPSK	2402	SISO	1	1.326	PASS
	2441	SISO	1	1.308	PASS
	2480	SISO	1	1.323	PASS

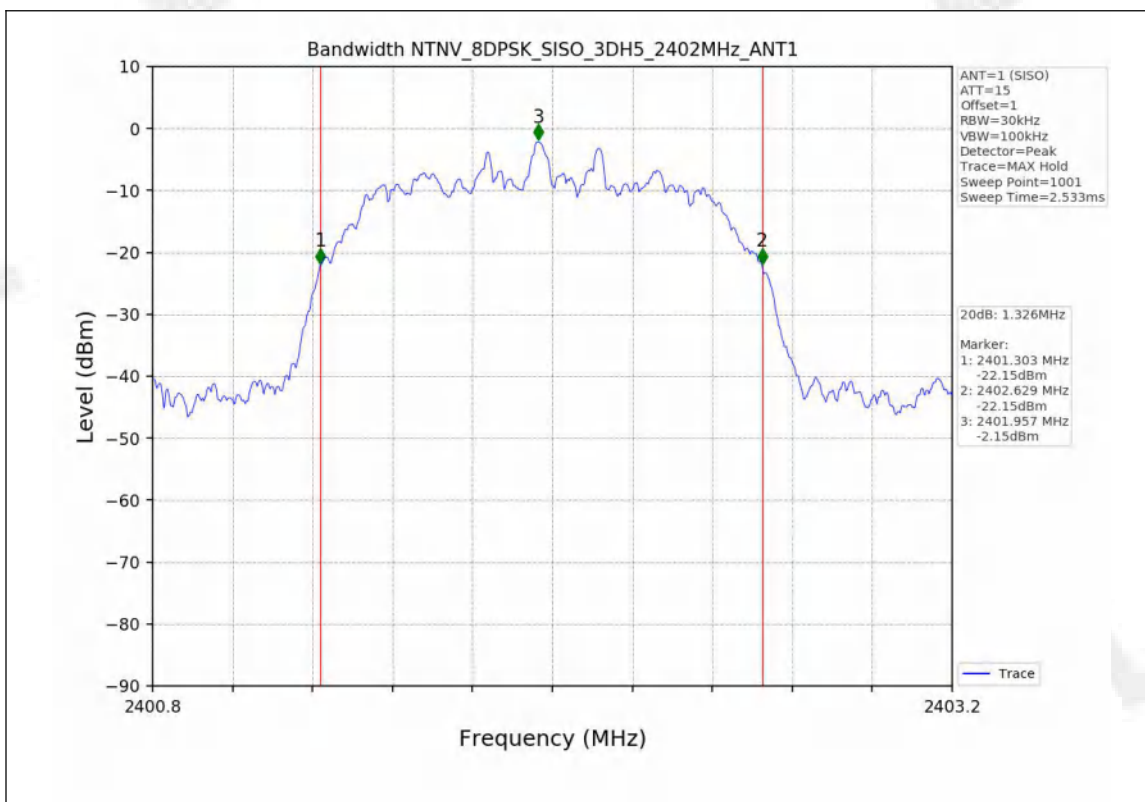
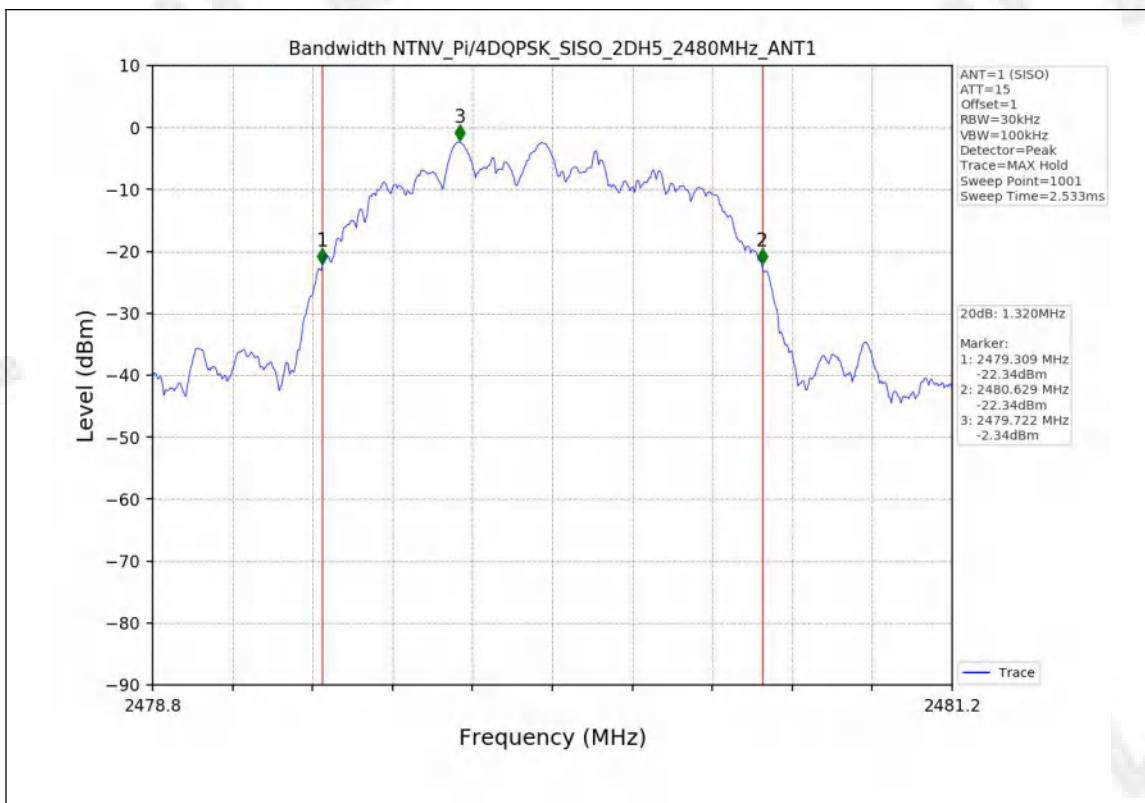
Test Mode	Frequency (MHz)	TX Type	ANT No.	99% Occupied Bandwidth	
				Test Result (MHz)	
GFSK	2402	SISO	1	0.858	Only for Report Use
	2441	SISO	1	0.855	Only for Report Use
	2480	SISO	1	0.967	Only for Report Use
Pi/4DQPSK	2402	SISO	1	1.186	Only for Report Use
	2441	SISO	1	1.203	Only for Report Use
	2480	SISO	1	1.171	Only for Report Use
8DPSK	2402	SISO	1	1.190	Only for Report Use
	2441	SISO	1	1.197	Only for Report Use
	2480	SISO	1	1.166	Only for Report Use

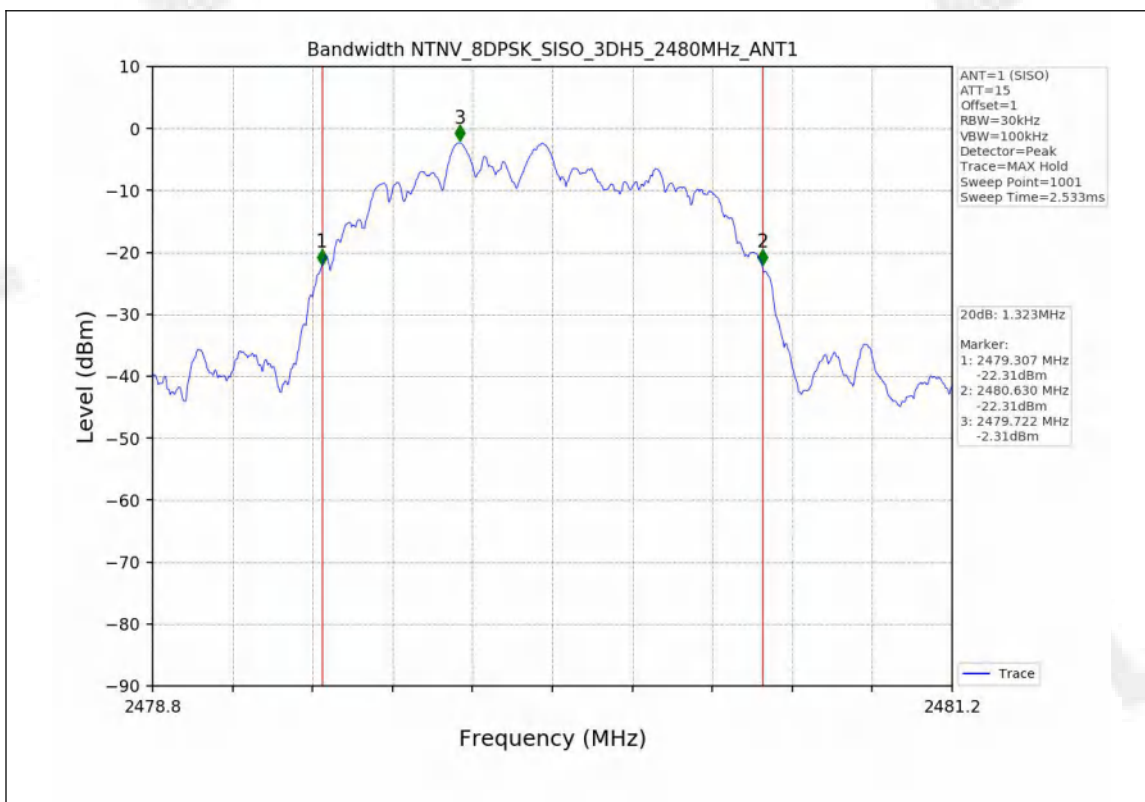
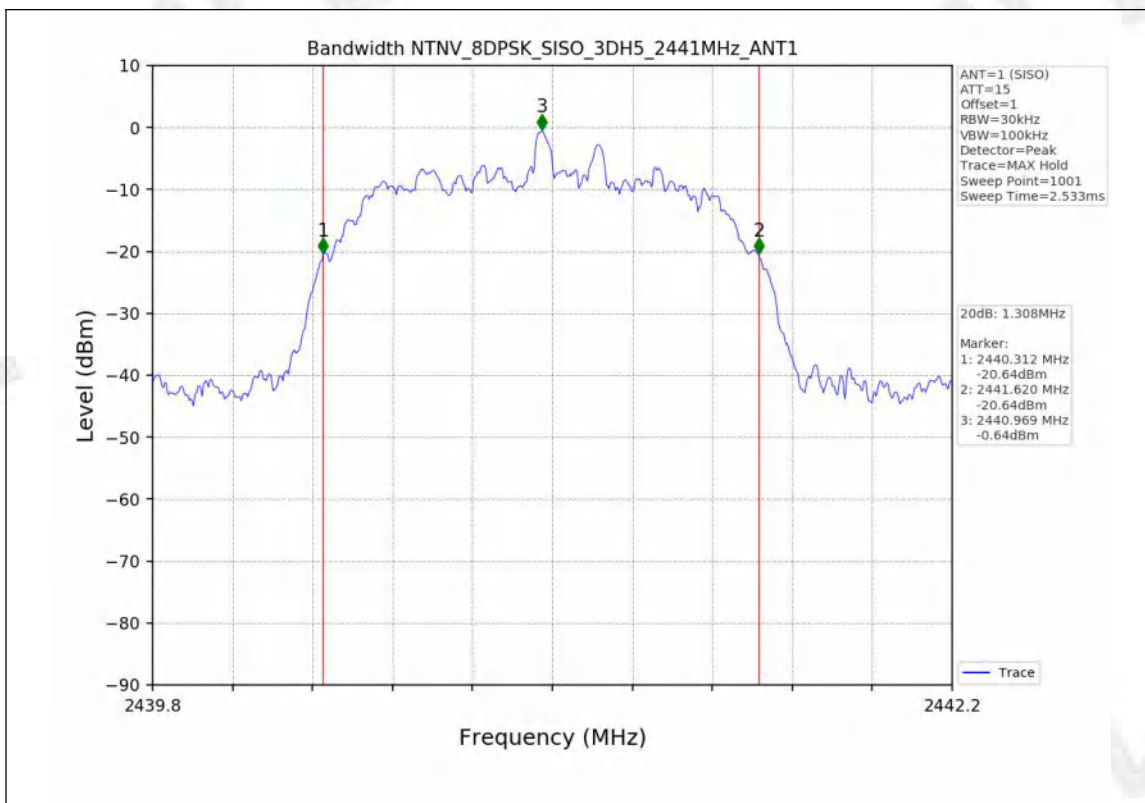
1.2 Test Graph - 20dB Bandwidth



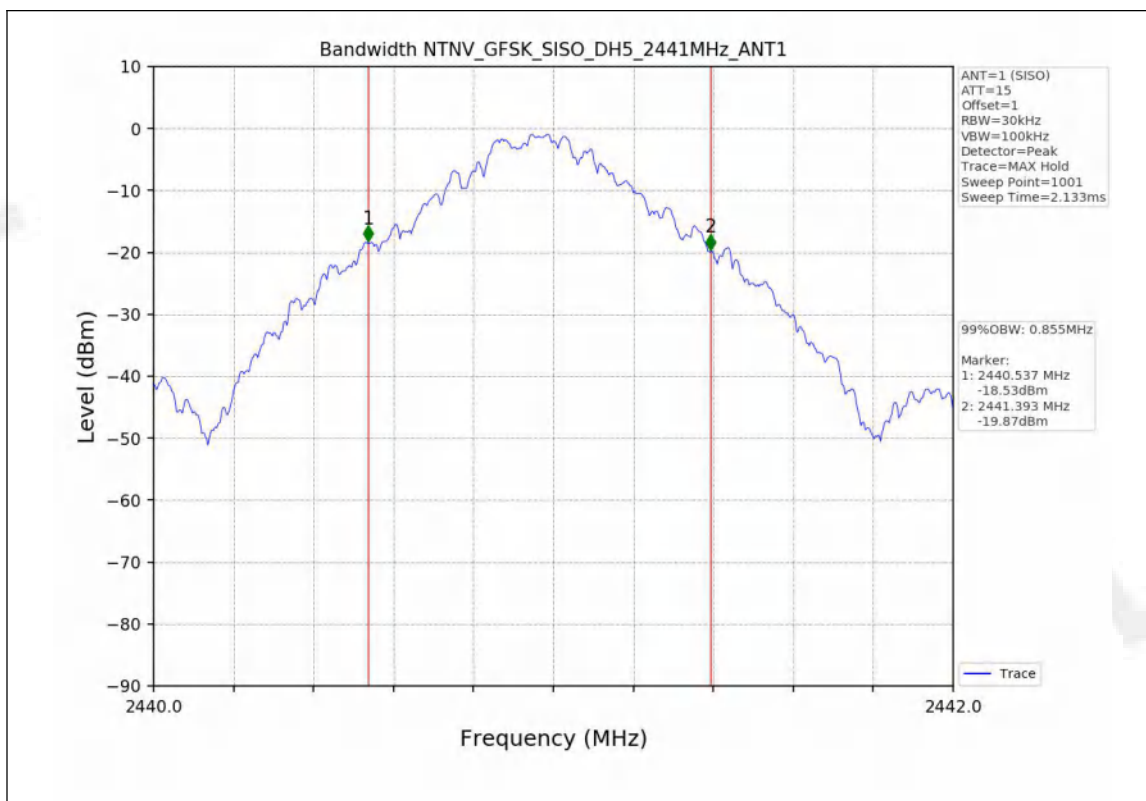
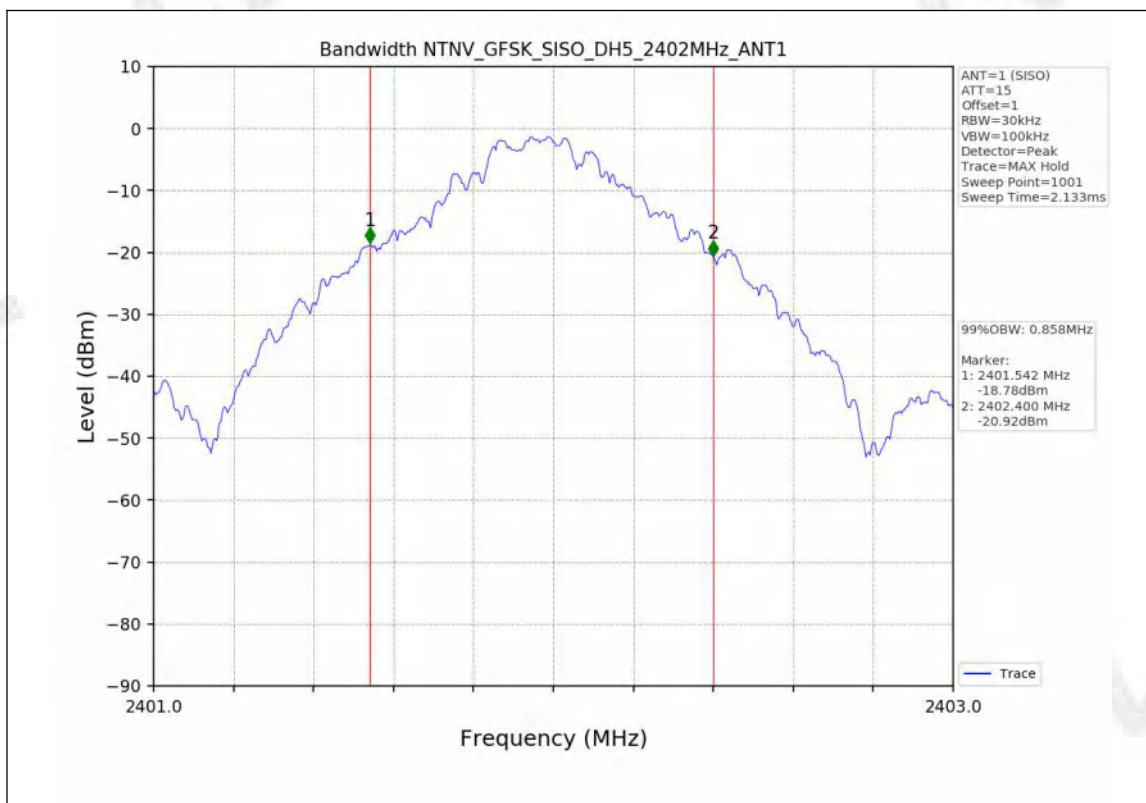


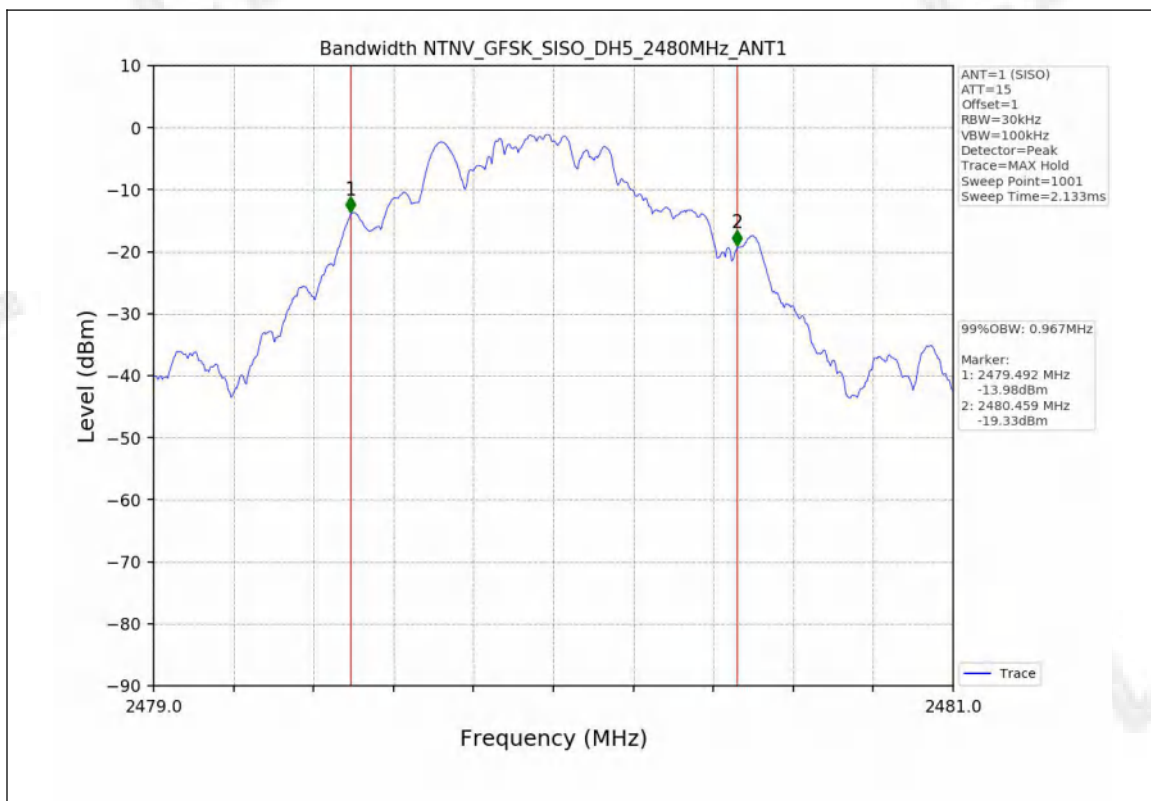


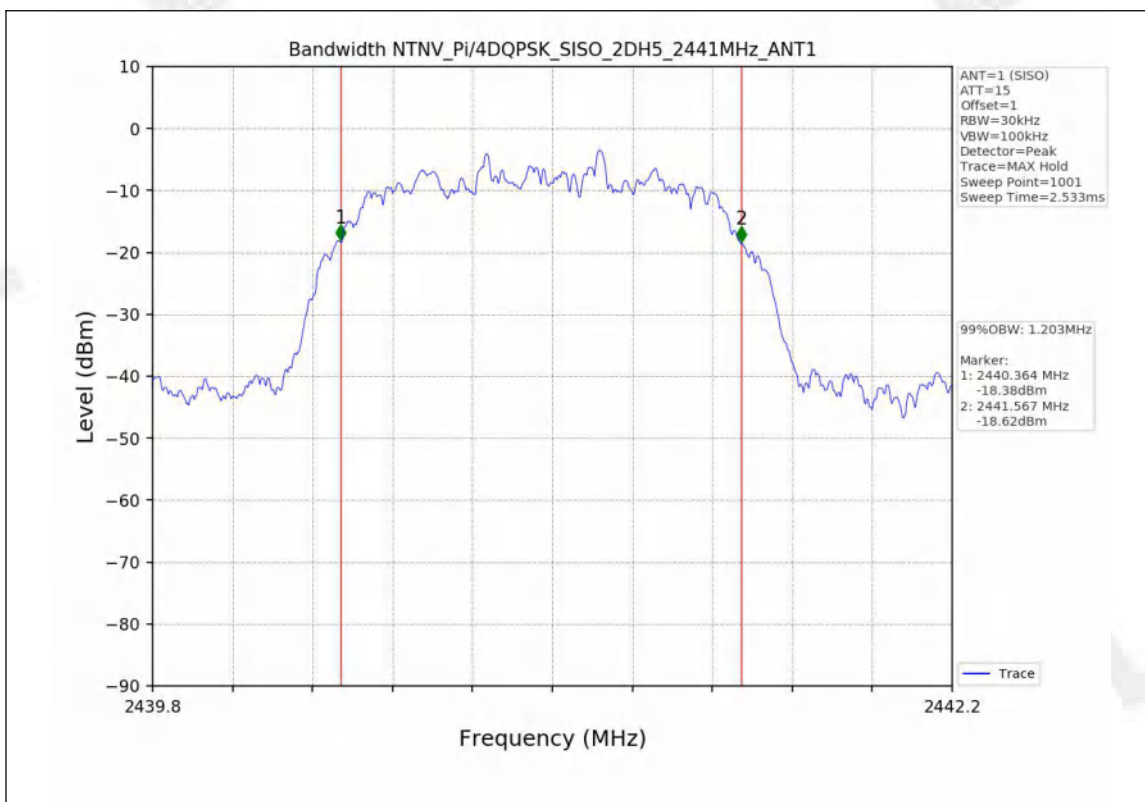
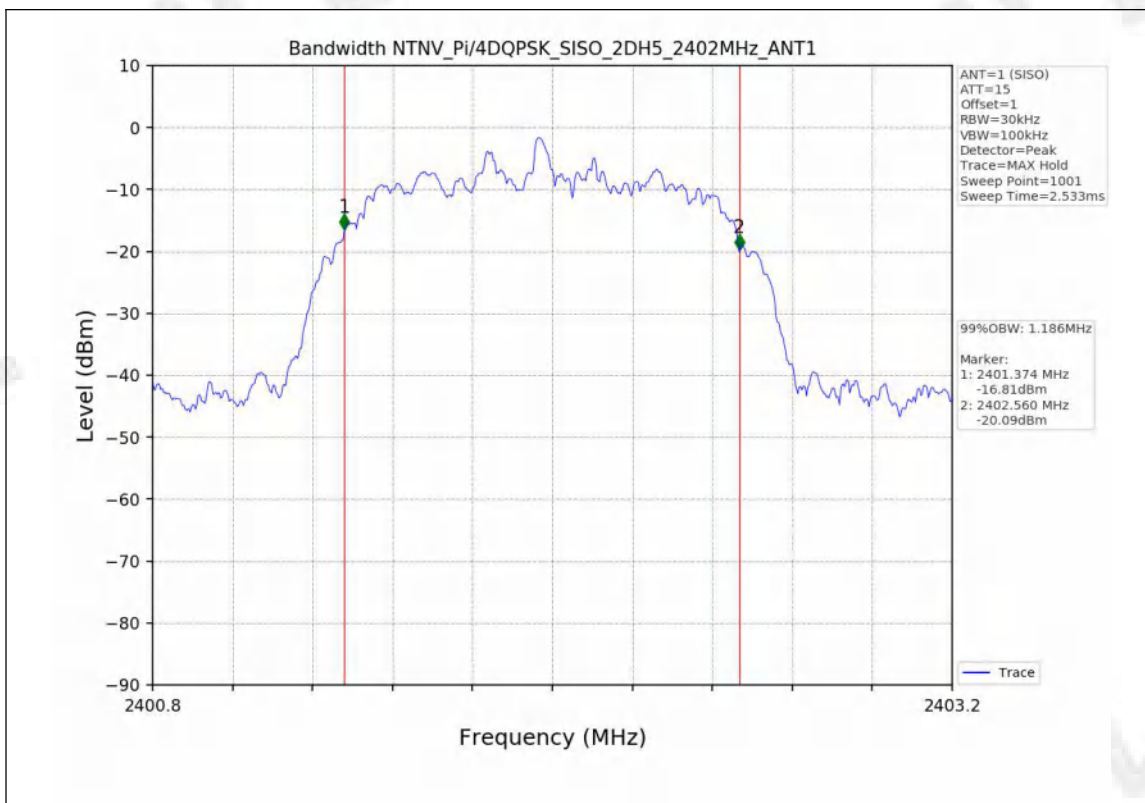


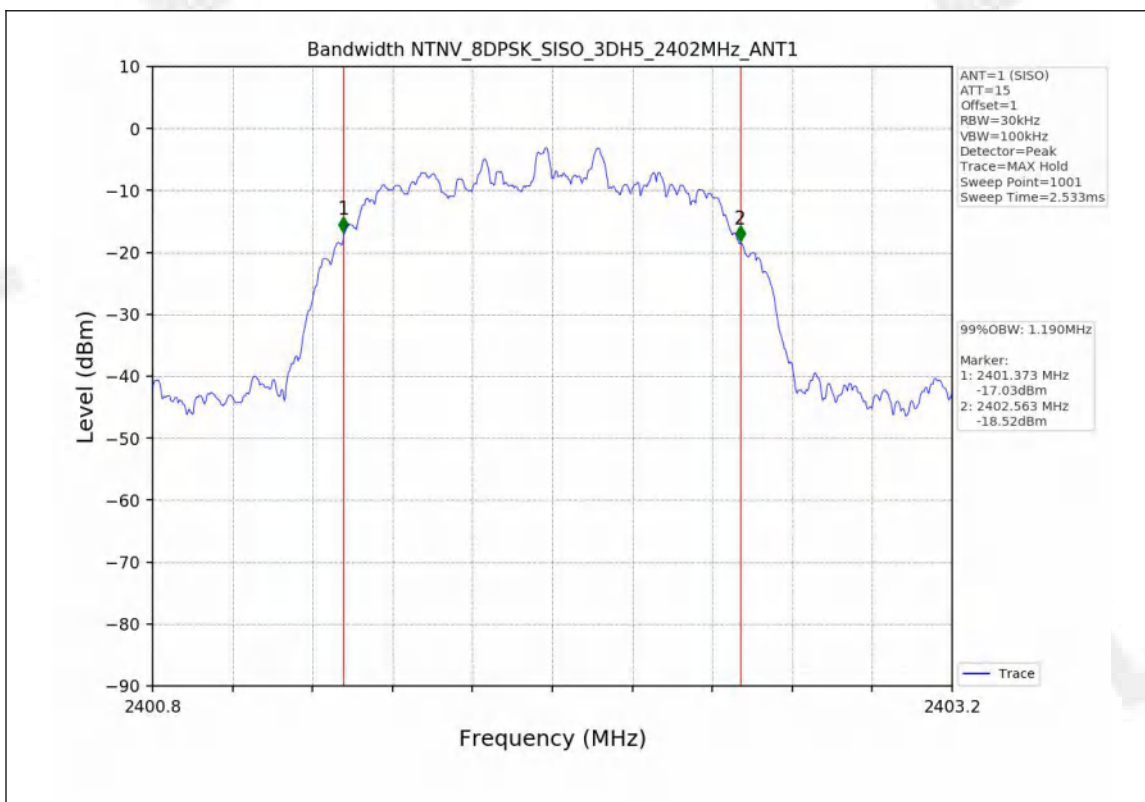
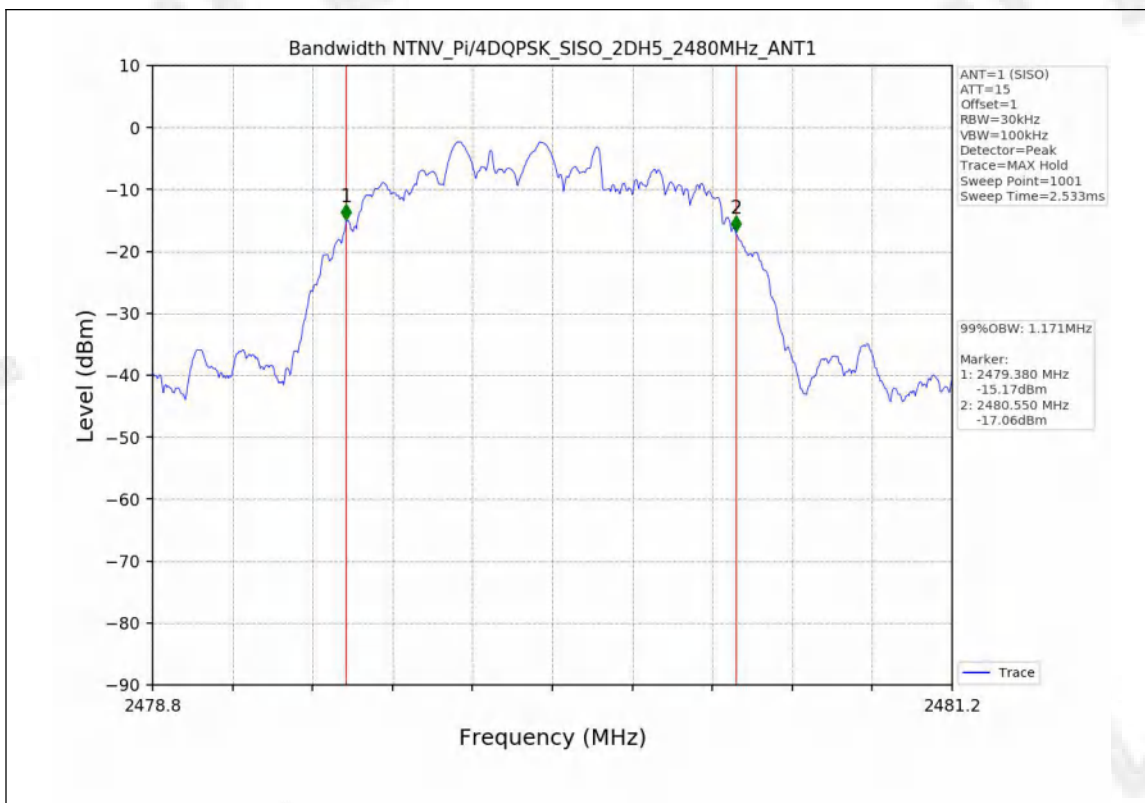


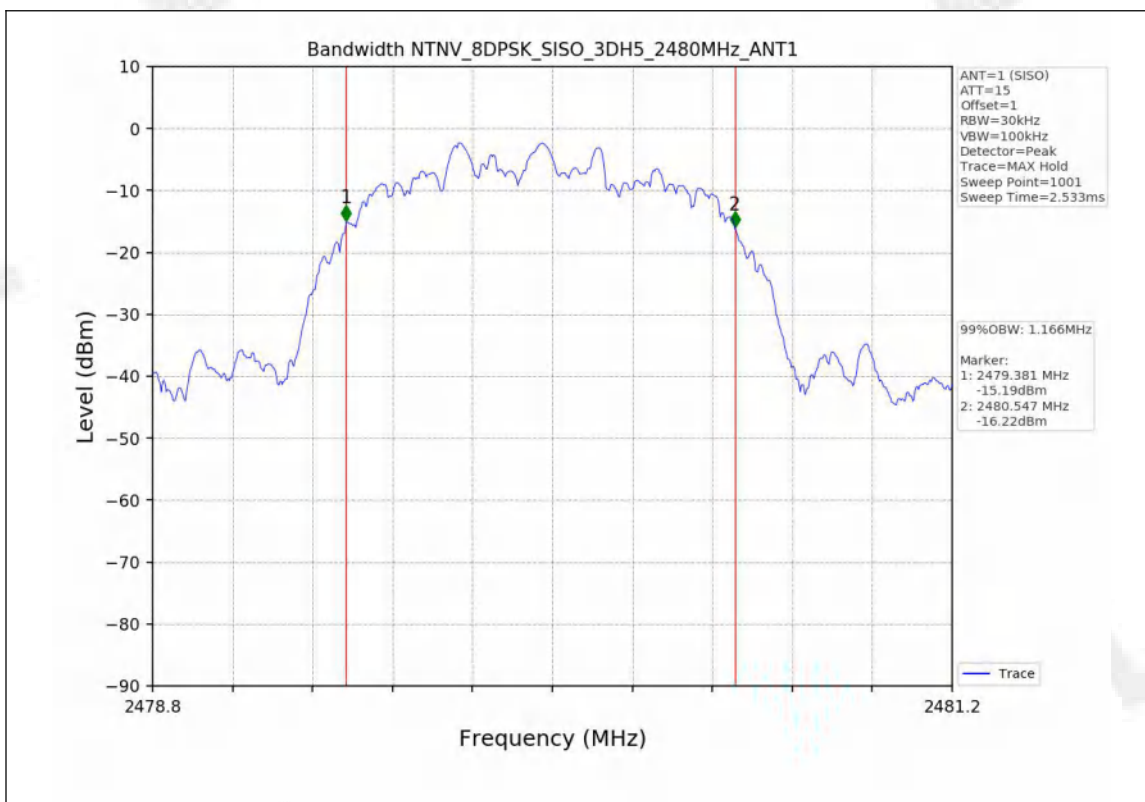
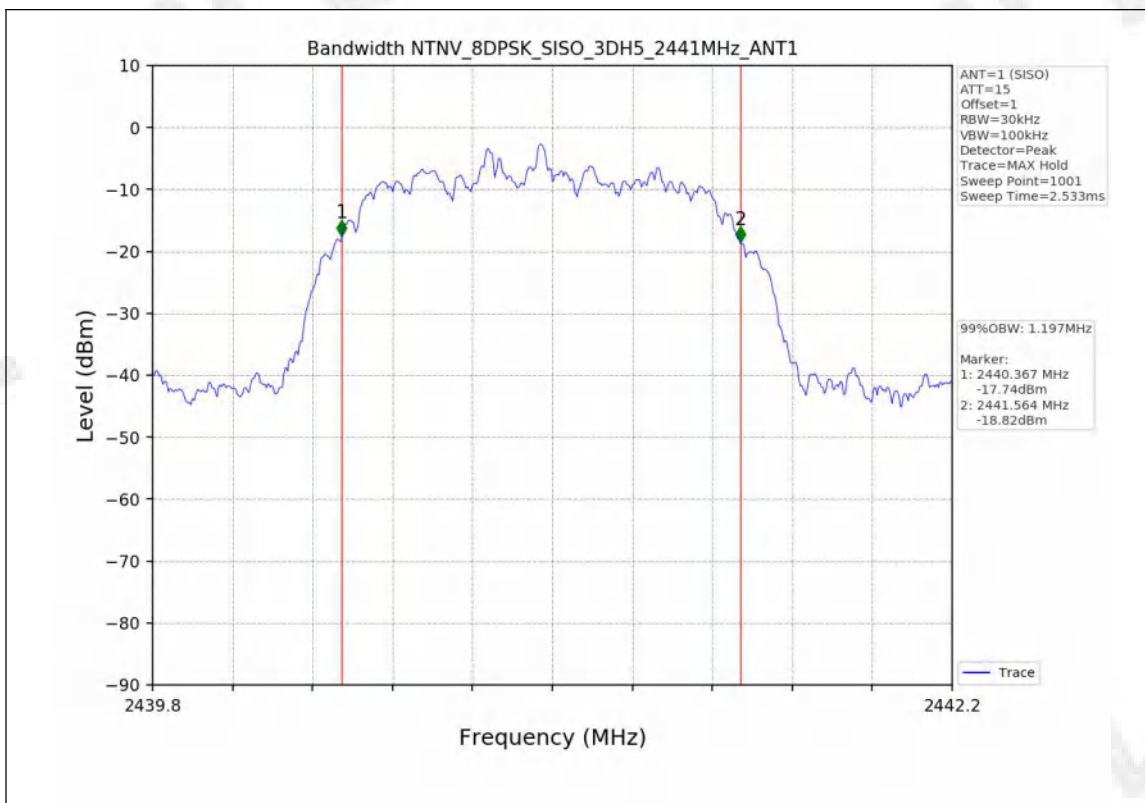
1.3 Test Graph - 99% Occupied Bandwidth









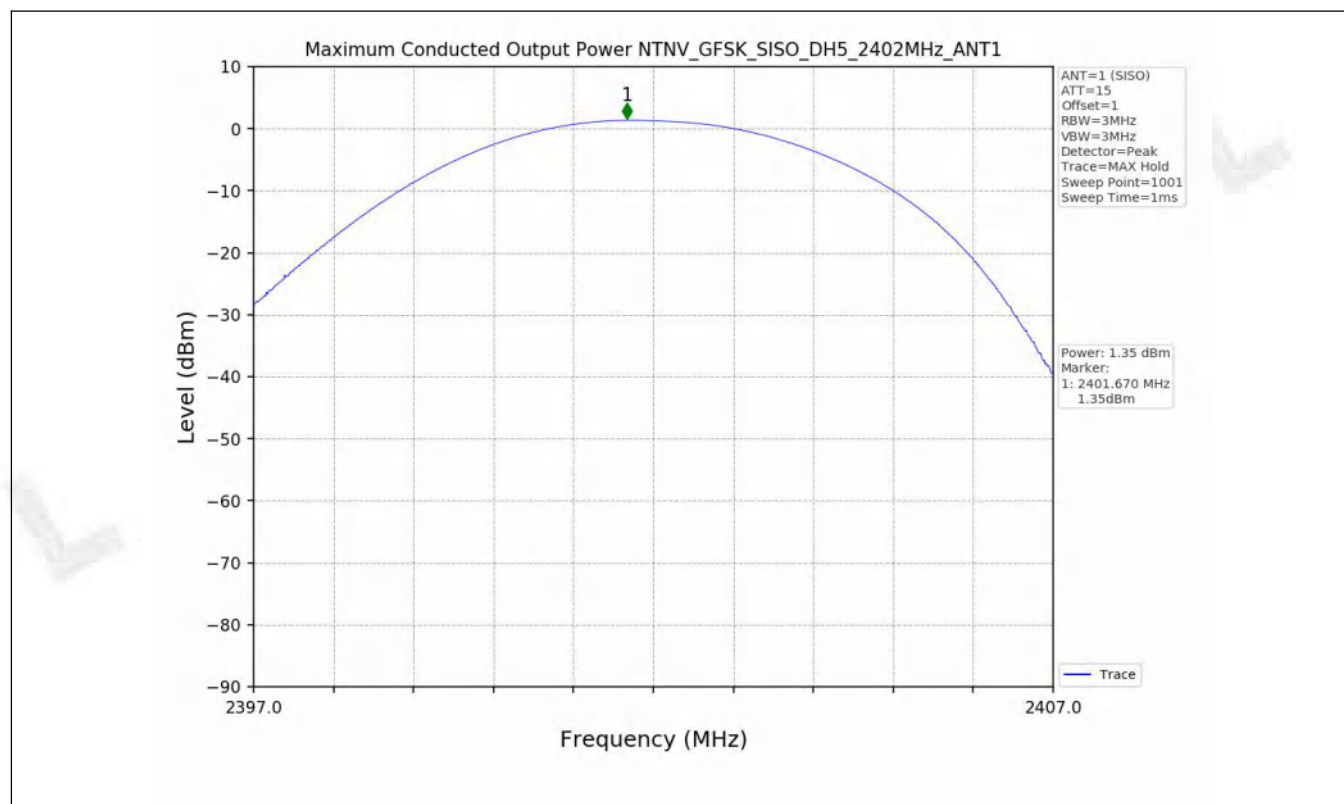


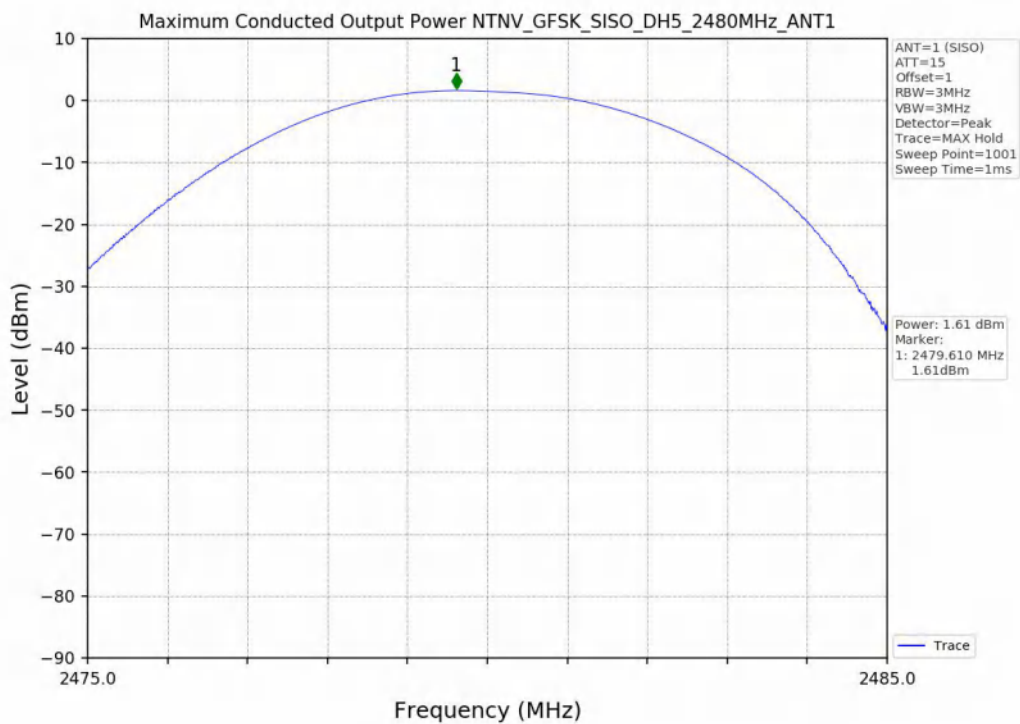
2. Maximum Conducted Output Power

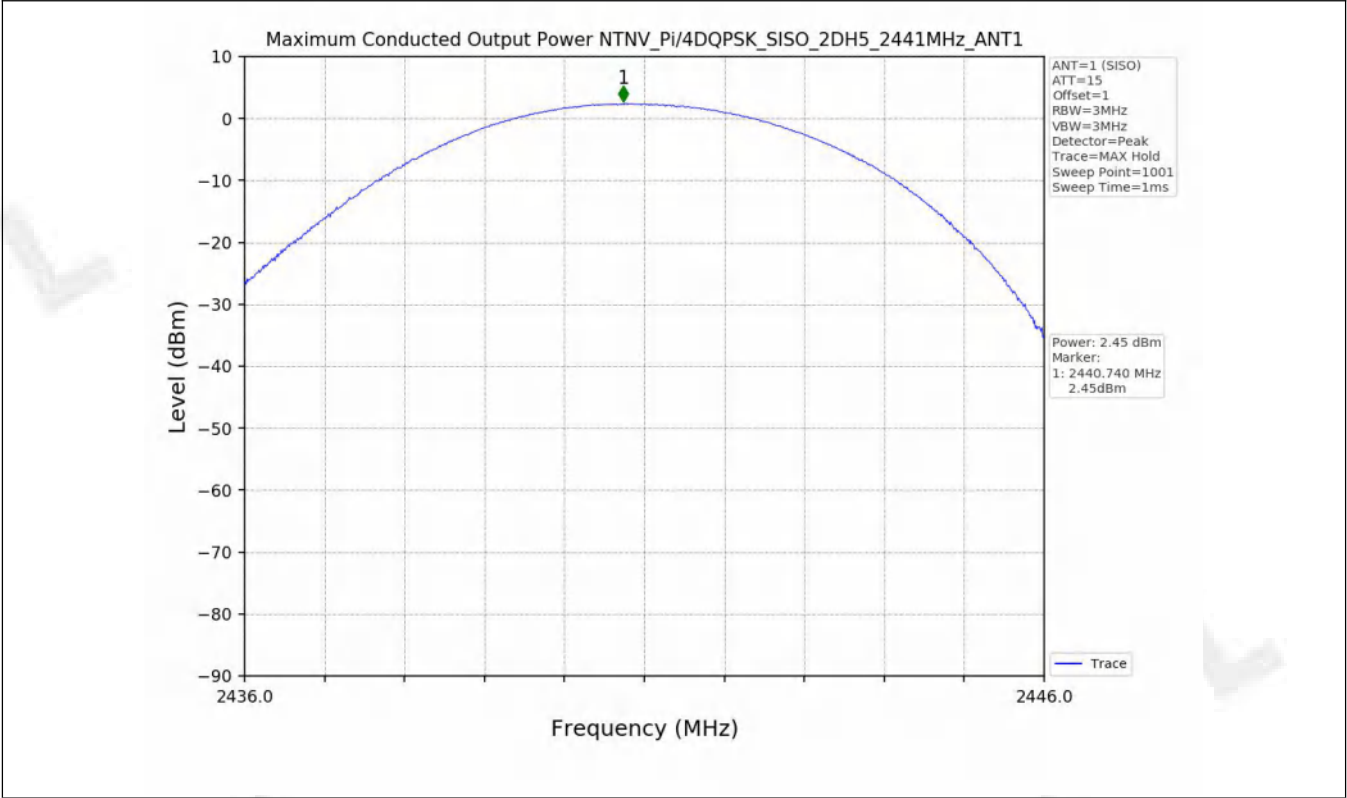
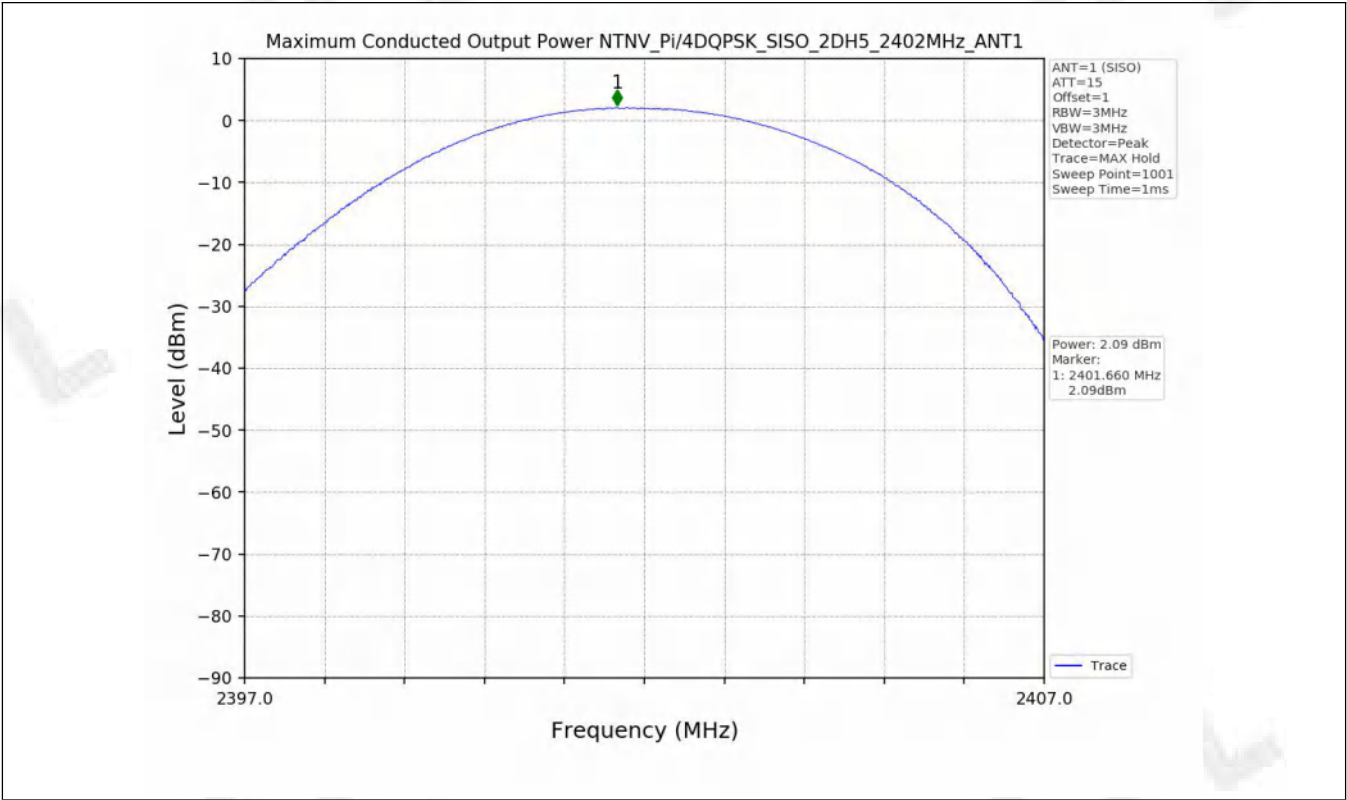
2.1 Test Result

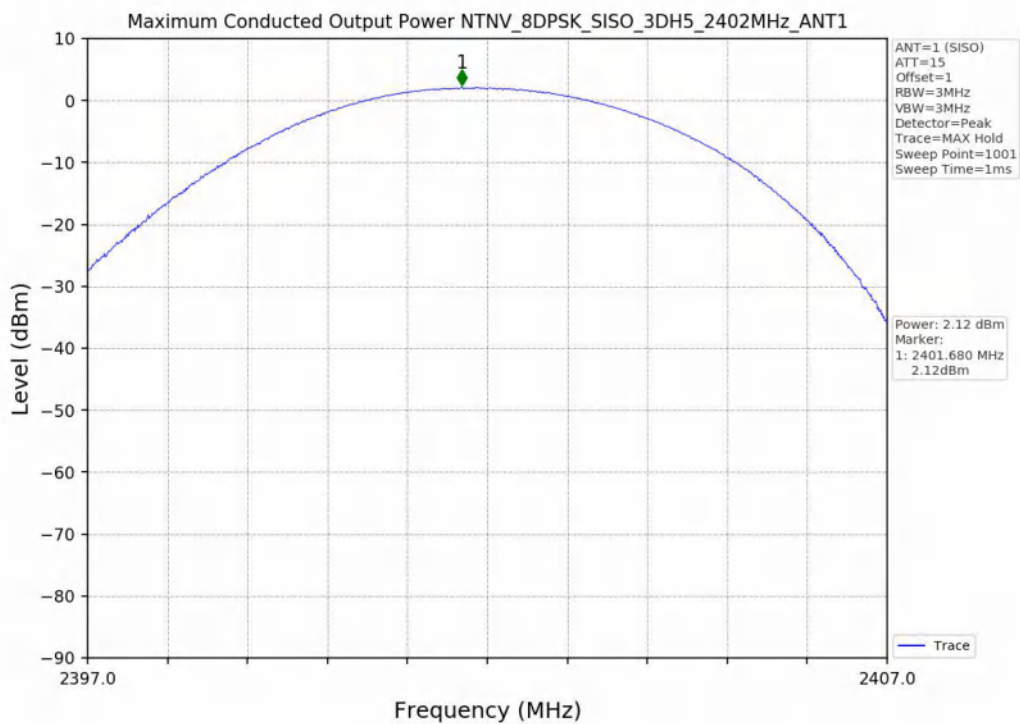
Test Mode	Frequency (MHz)	Tx Type	Measured Peak Output Power (dBm)	Limits (dBm)	Verdict
			Ant 1		
GFSK	2402	SISO	1.35	20.97	PASS
	2441	SISO	1.77	20.97	PASS
	2480	SISO	1.61	20.97	PASS
Pi/4DQPSK	2402	SISO	2.09	20.97	PASS
	2441	SISO	2.45	20.97	PASS
	2480	SISO	2.29	20.97	PASS
8DPSK	2402	SISO	2.12	20.97	PASS
	2441	SISO	2.43	20.97	PASS
	2480	SISO	2.27	20.97	PASS

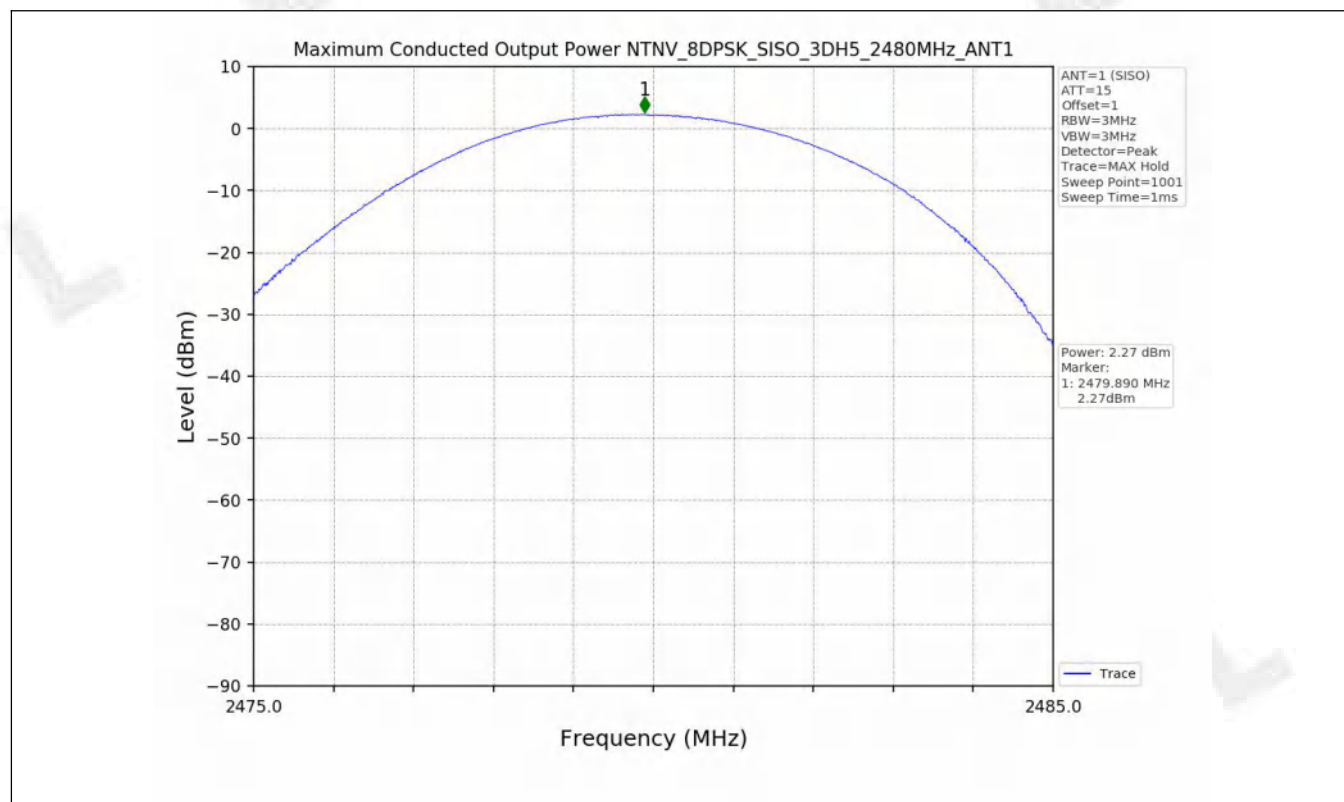
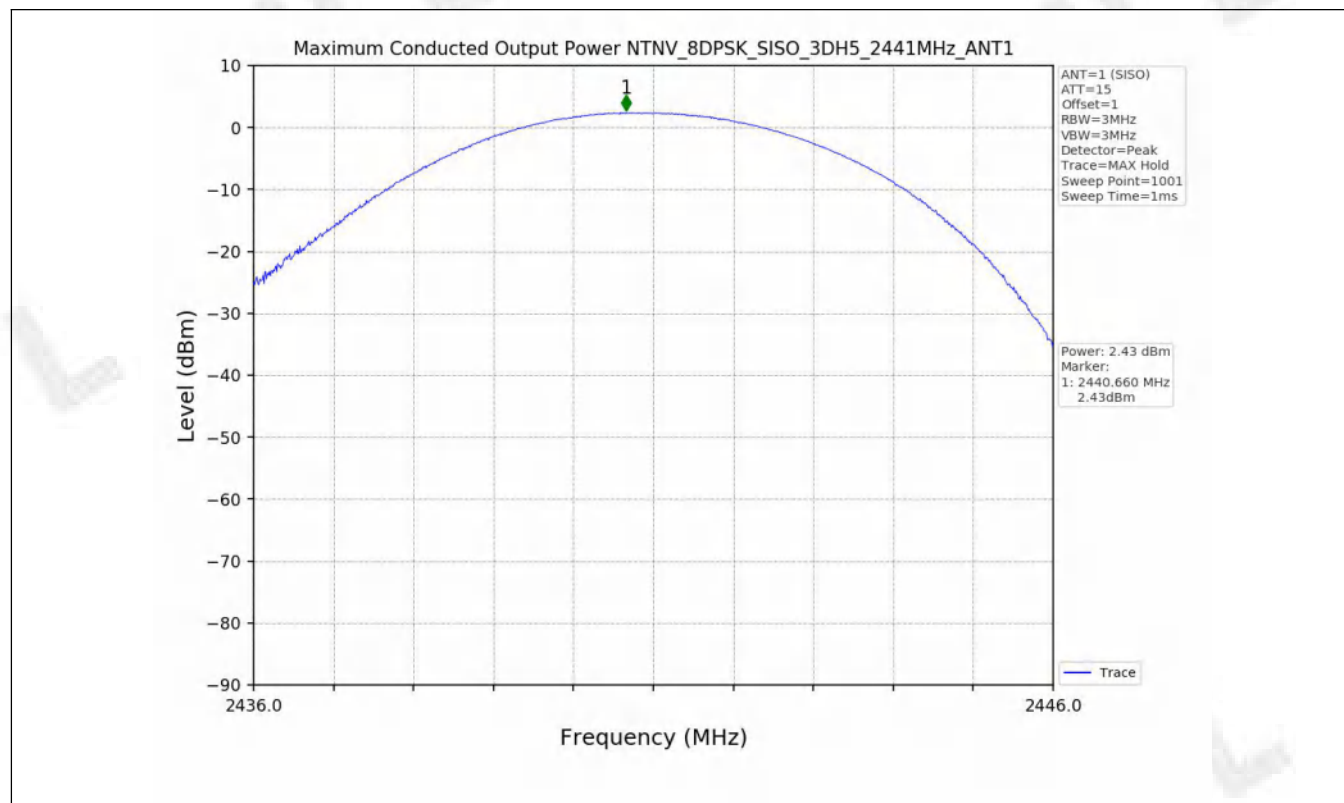
2.2 Test Graph









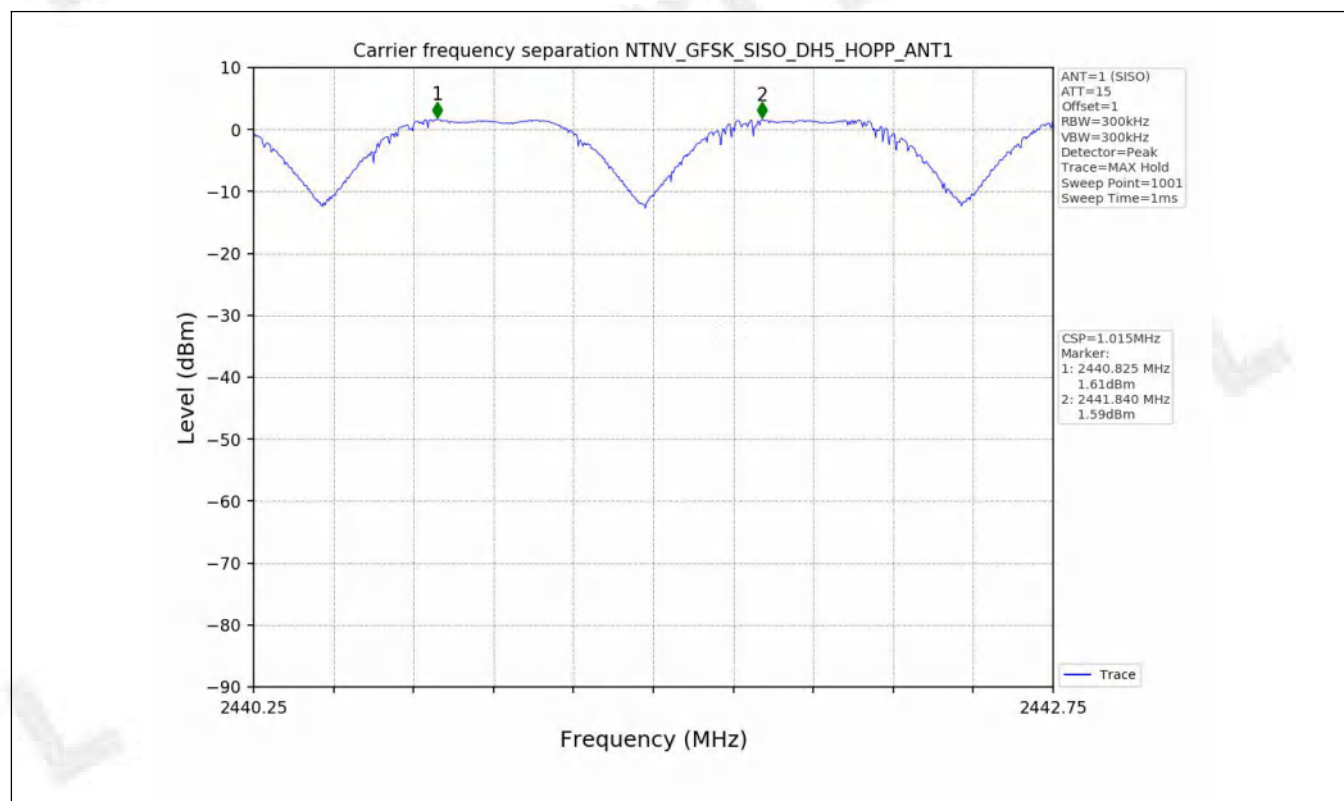


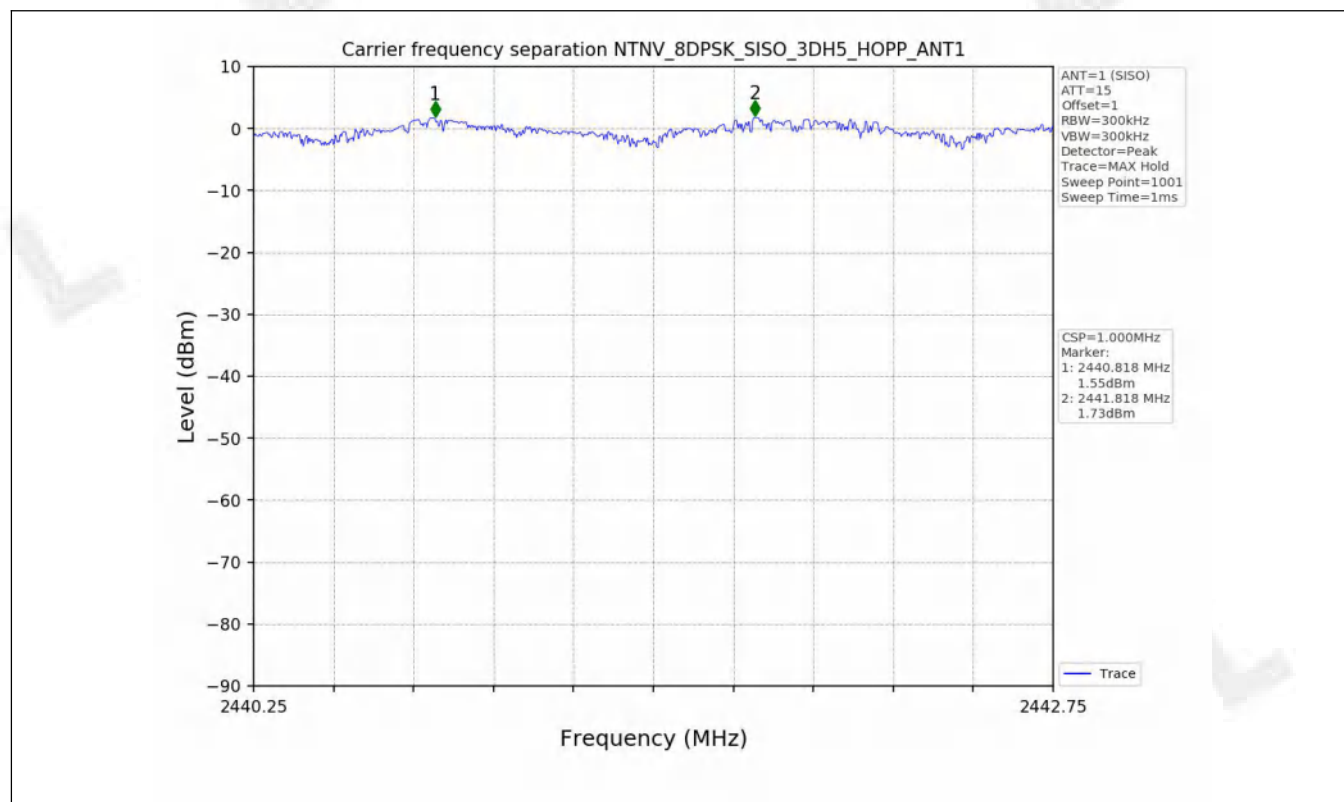
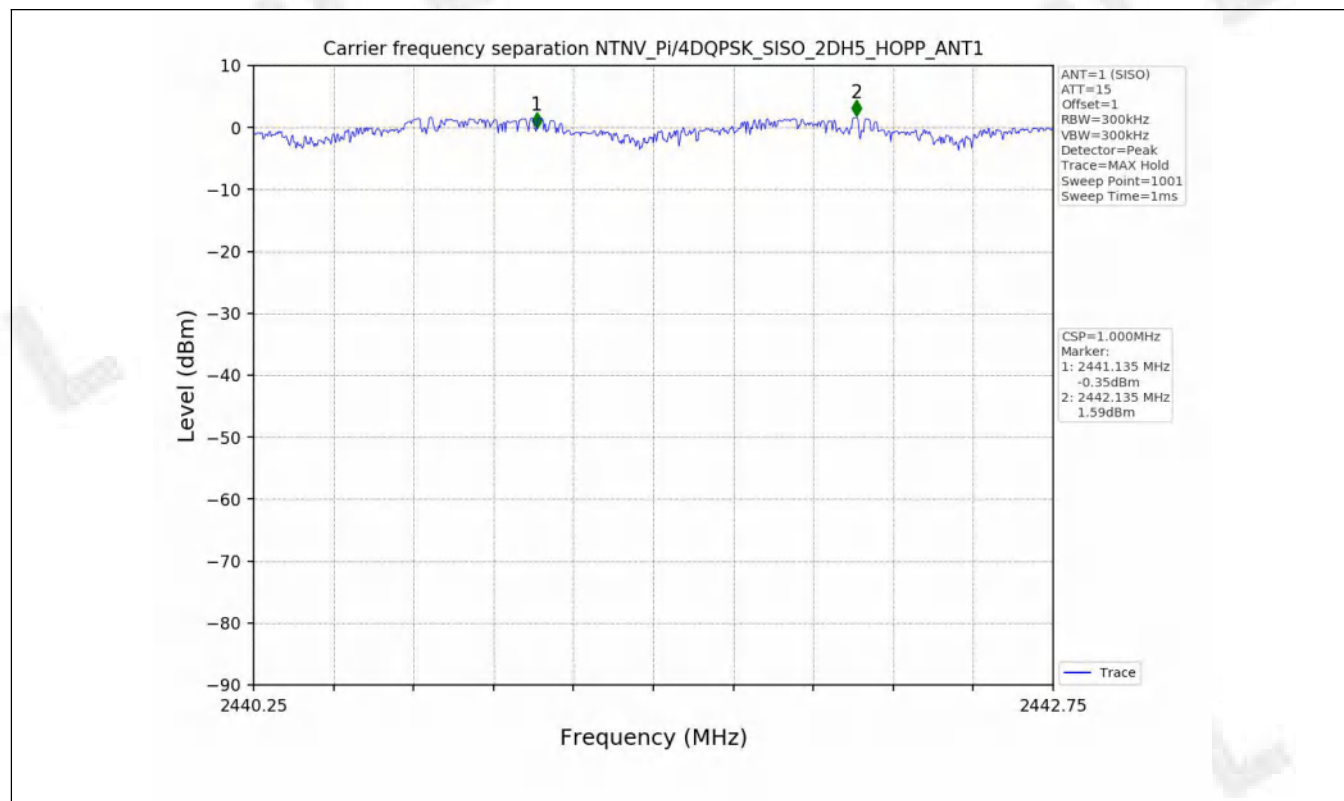
3. Carrier frequency separation

3.1 Test Result

Test Mode	TX Type	ANT No.	Channel Separation (MHz)	20dB Bandwidth (MHz)	Limits (MHz)	Verdict
GFSK	SISO	1	1.015	1.069	≥ 0.713	PASS
Pi/4DQPSK	SISO	1	1.000	1.325	≥ 0.883	PASS
8DPSK	SISO	1	1.000	1.326	≥ 0.884	PASS

3.2 Test Graph



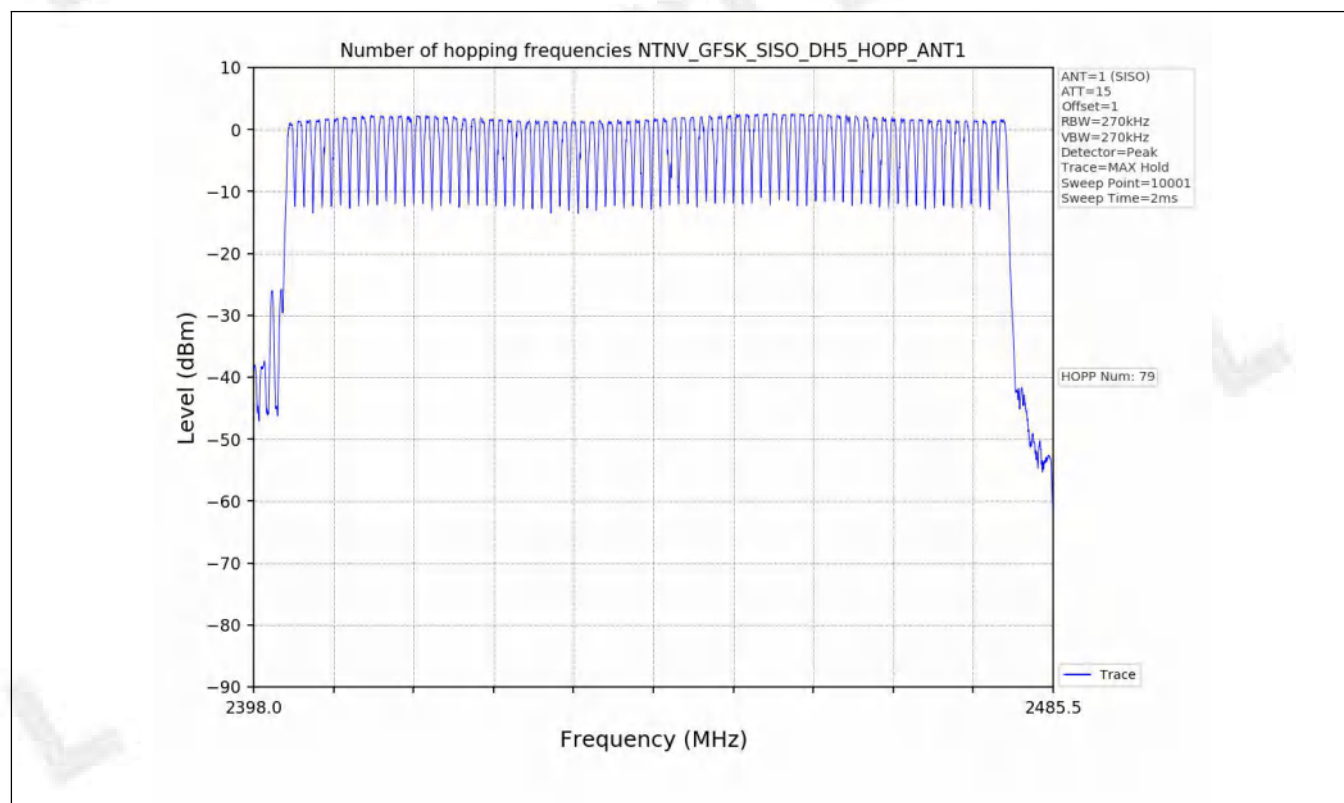


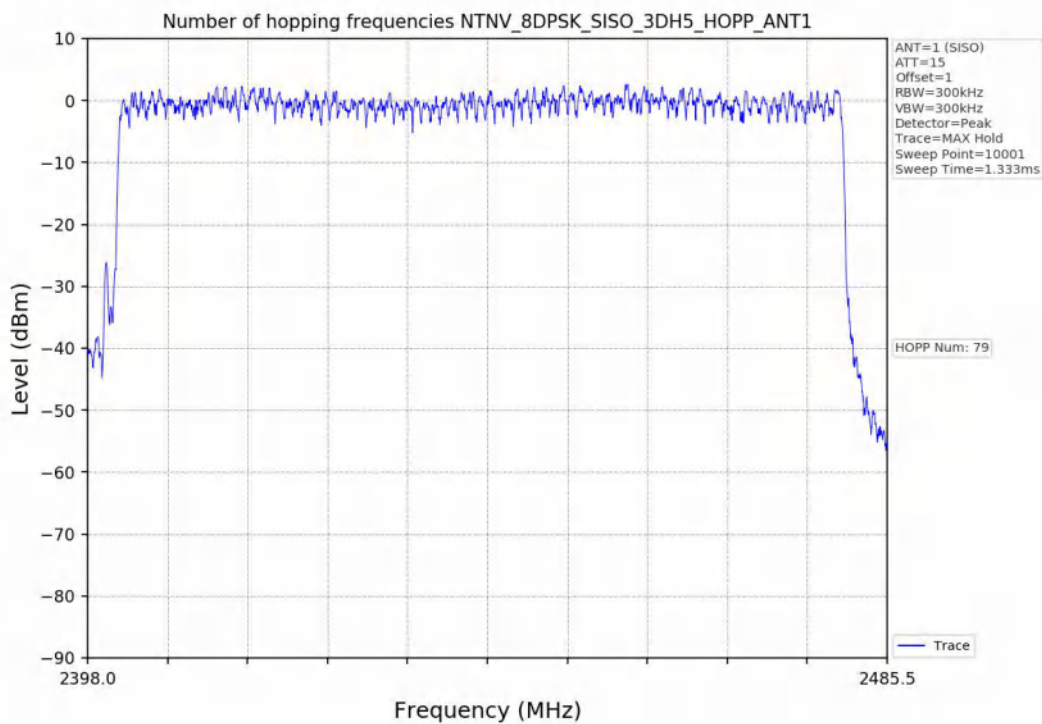
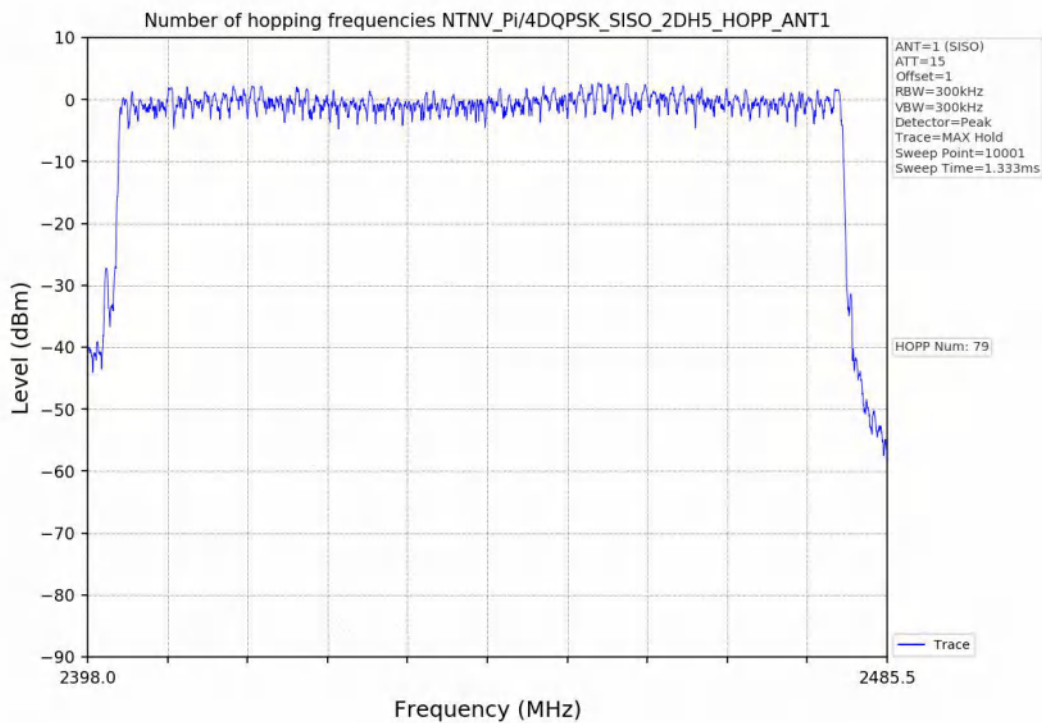
4. Number of hopping frequencies

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



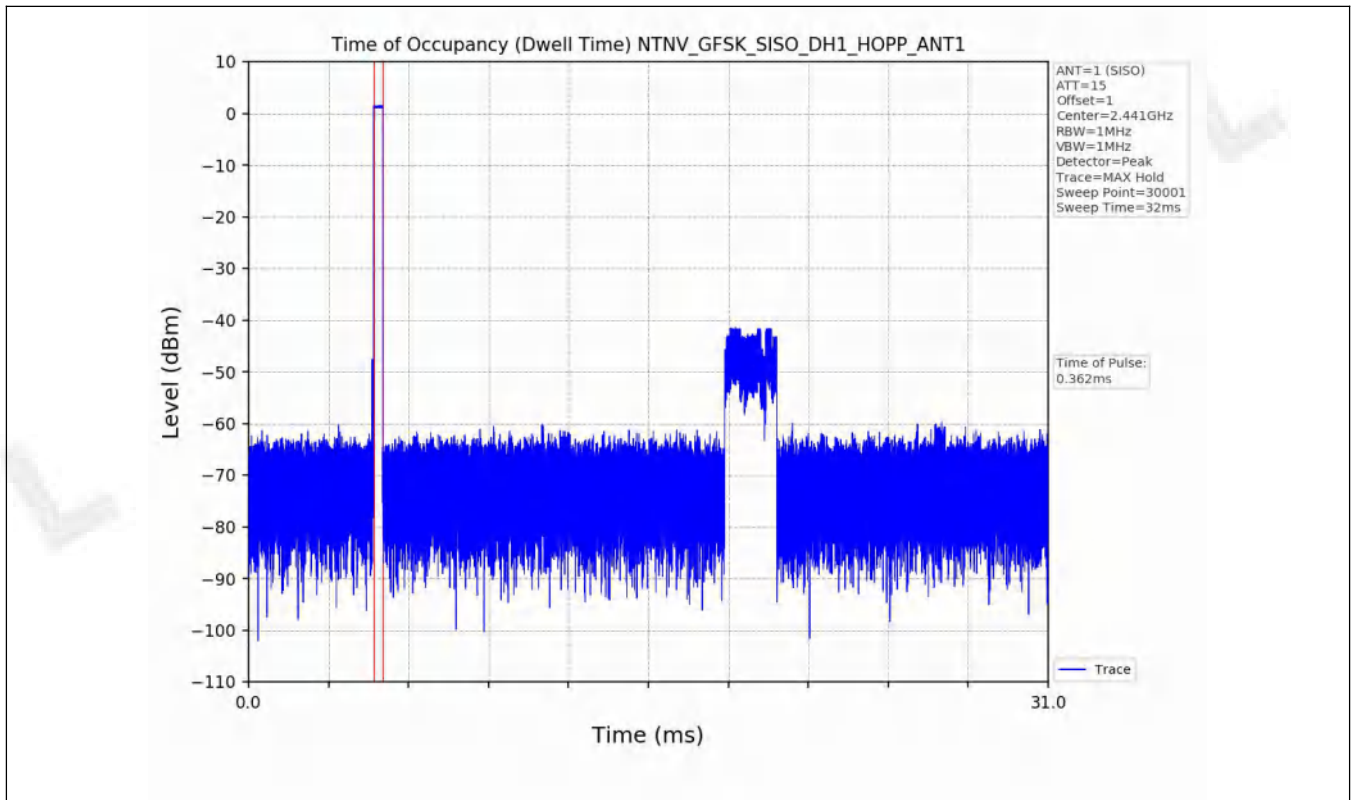


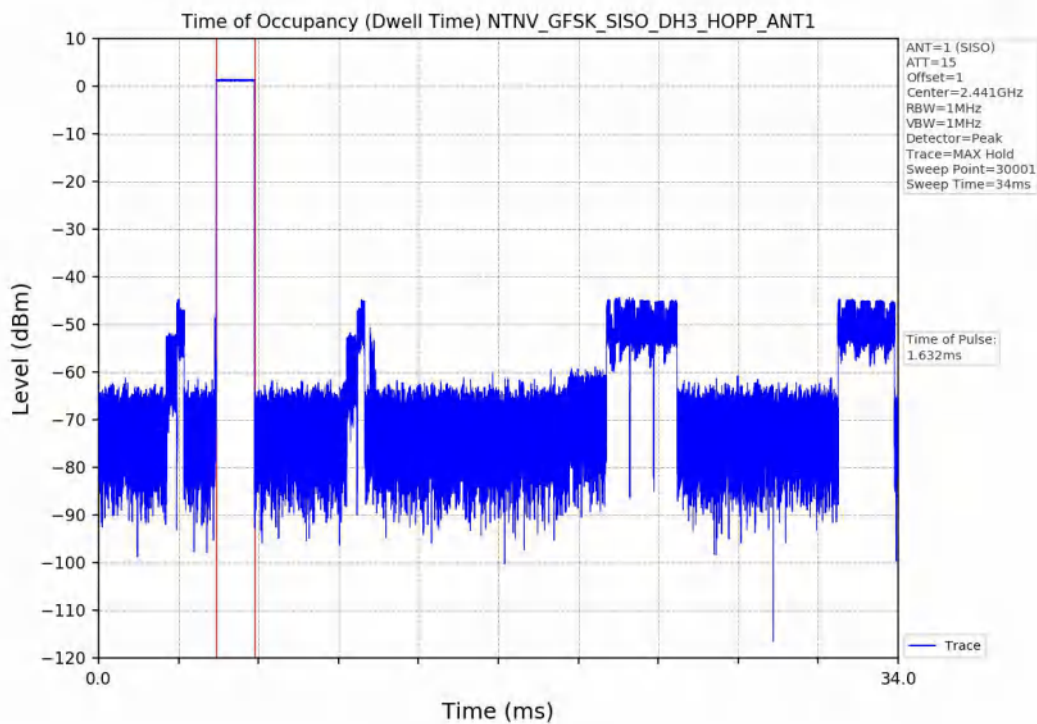
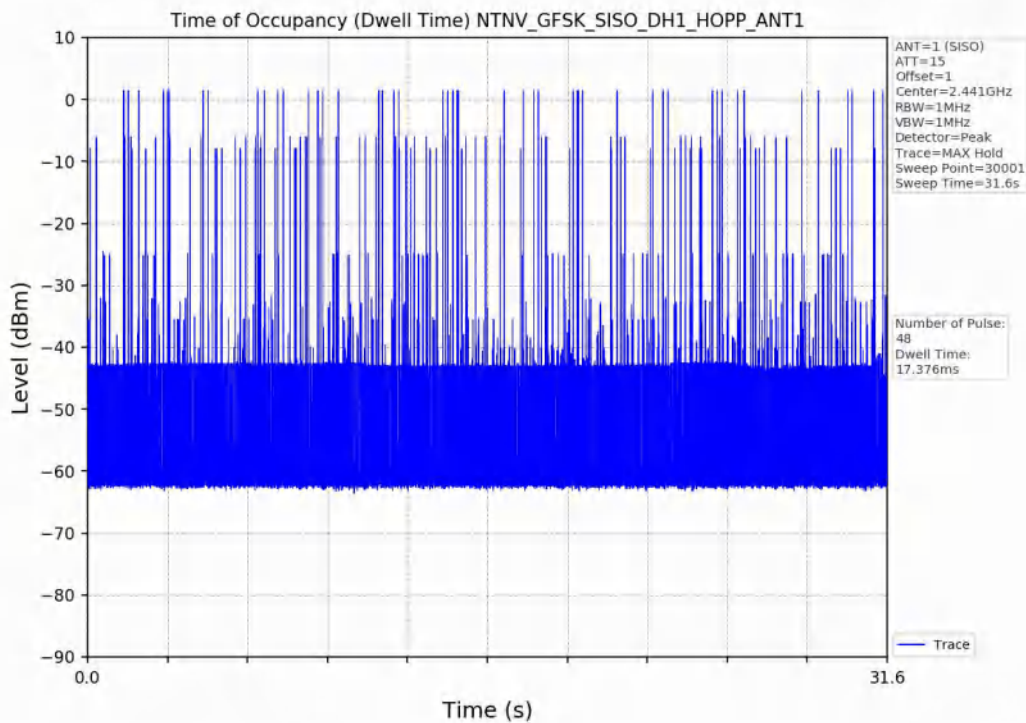
5. Time of Occupancy (Dwell Time)

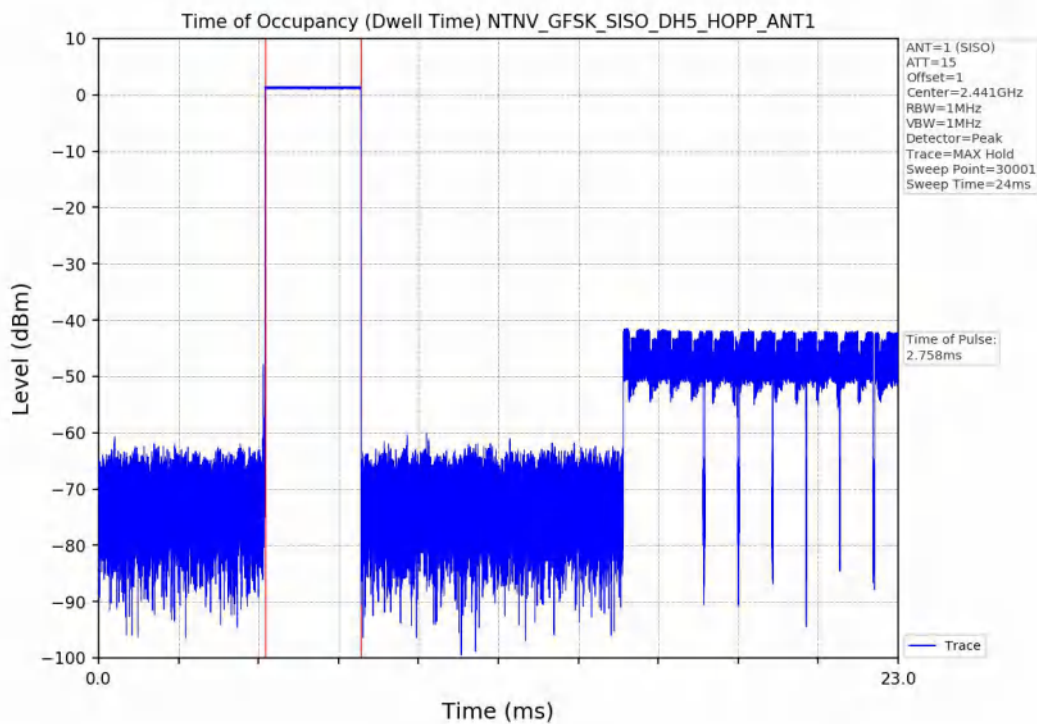
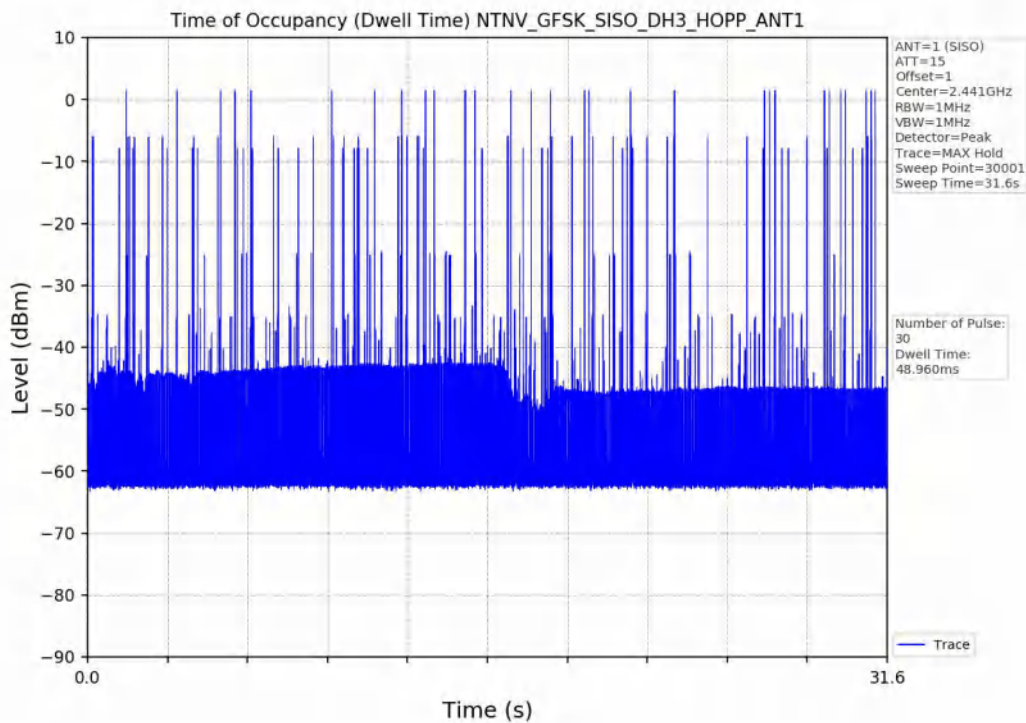
5.1 Test Result

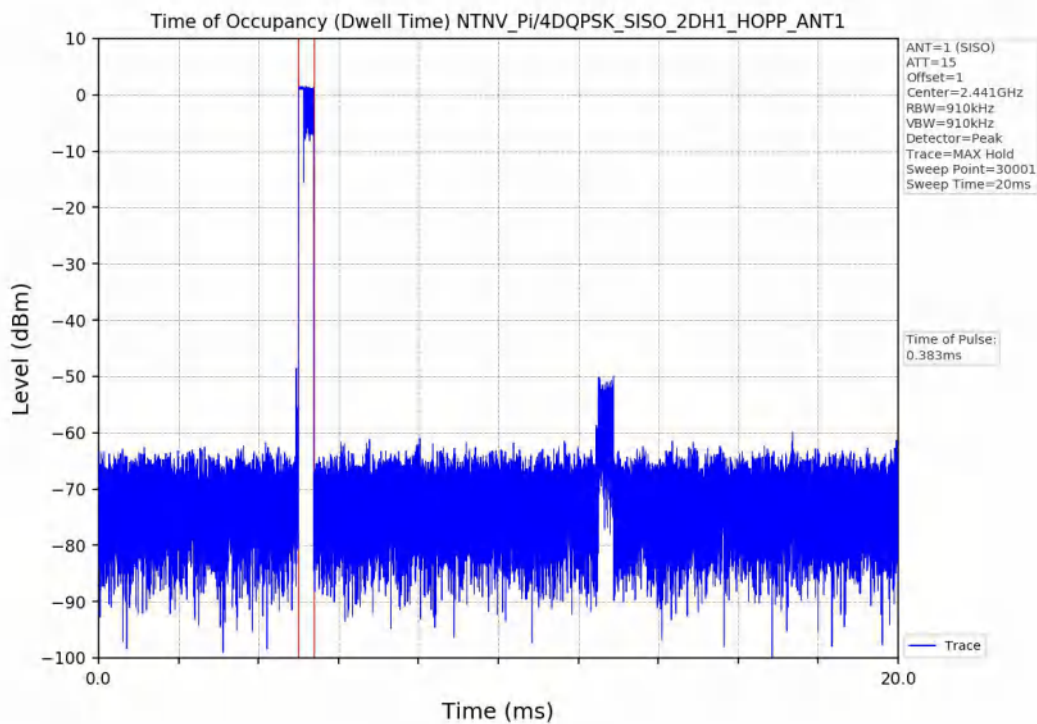
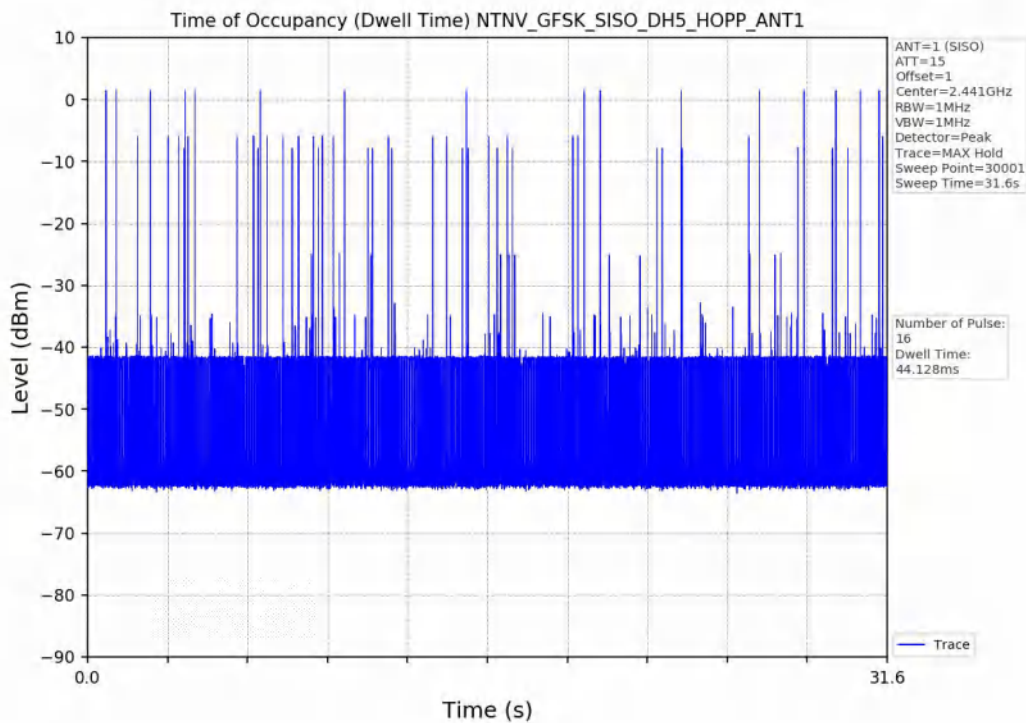
Test Mode	Packet Type	TX Type	ANT No.	Duration of Single Pulse (ms)	Observation Period (s)	Num of Pulse in Observation Period	Dwell Time (ms)	Limits (ms)	Verdict
GFSK	DH1	SISO	1	0.362	31.6	48	17.376	≤400	PASS
	DH3	SISO	1	1.632	31.6	30	48.960	≤400	PASS
	DH5	SISO	1	2.758	31.6	16	44.128	≤400	PASS
Pi/4DQPSK	2DH1	SISO	1	0.383	31.6	58	22.214	≤400	PASS
	2DH3	SISO	1	1.635	31.6	26	42.510	≤400	PASS
	2DH5	SISO	1	2.884	31.6	15	43.260	≤400	PASS
8DPSK	3DH1	SISO	1	0.383	31.6	56	21.448	≤400	PASS
	3DH3	SISO	1	1.635	31.6	29	47.415	≤400	PASS
	3DH5	SISO	1	2.884	31.6	19	54.796	≤400	PASS

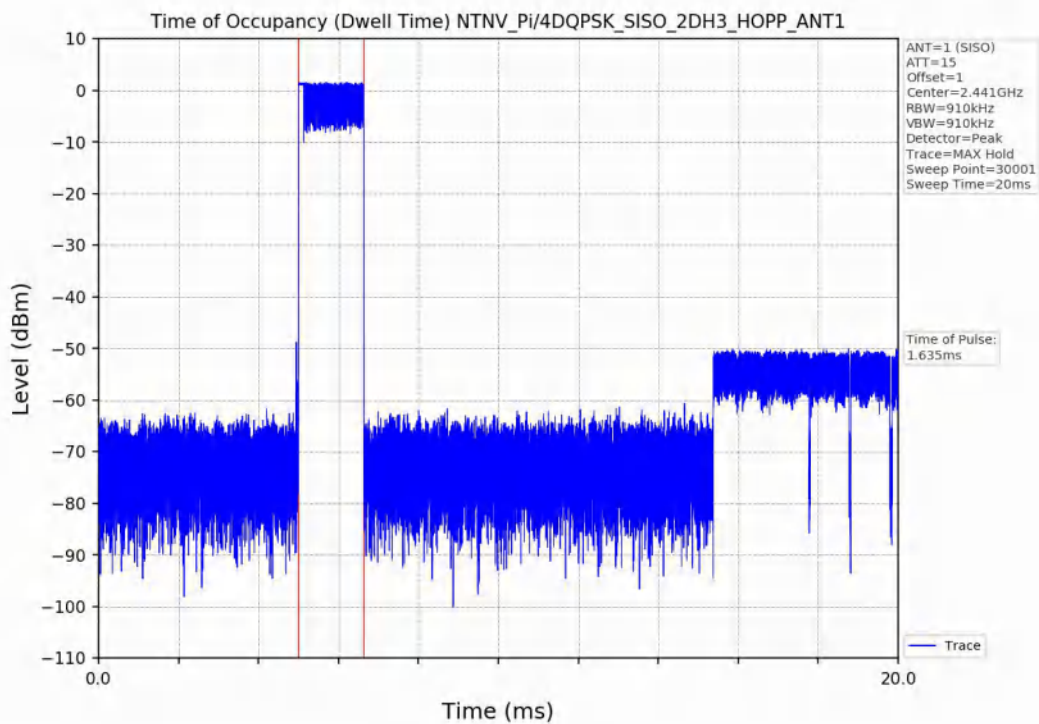
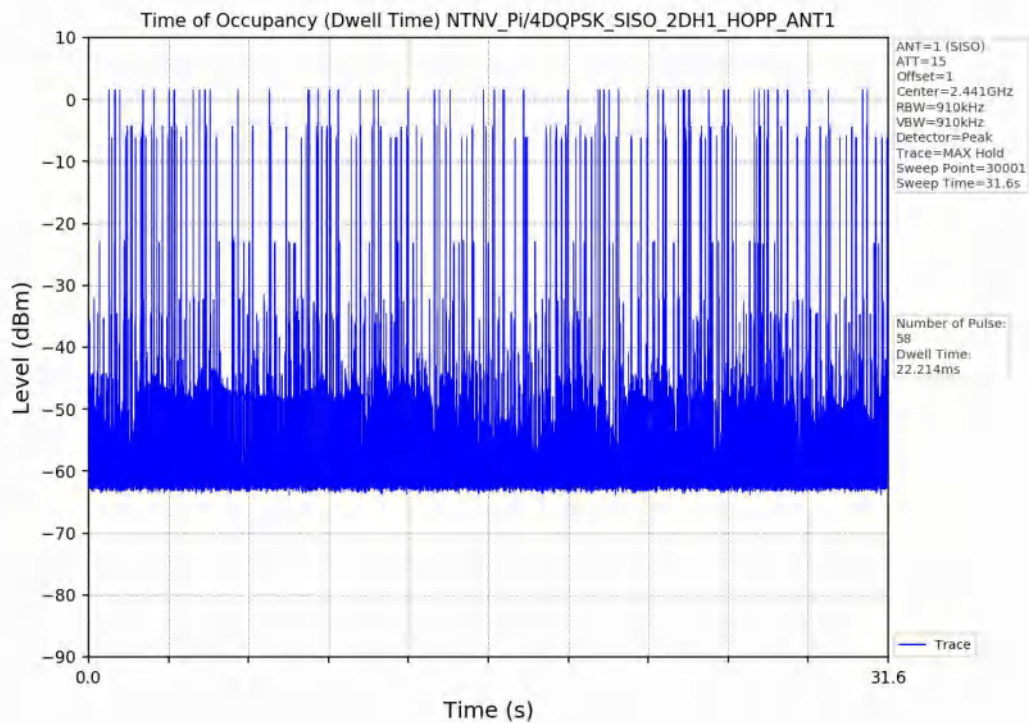
5.2 Test Graph

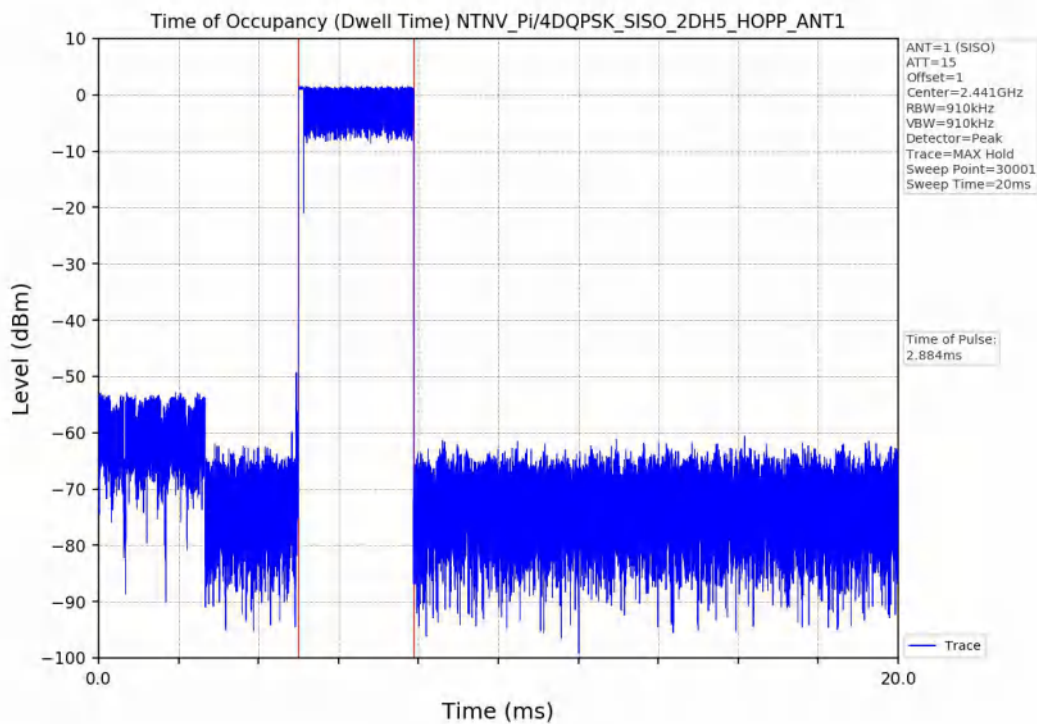
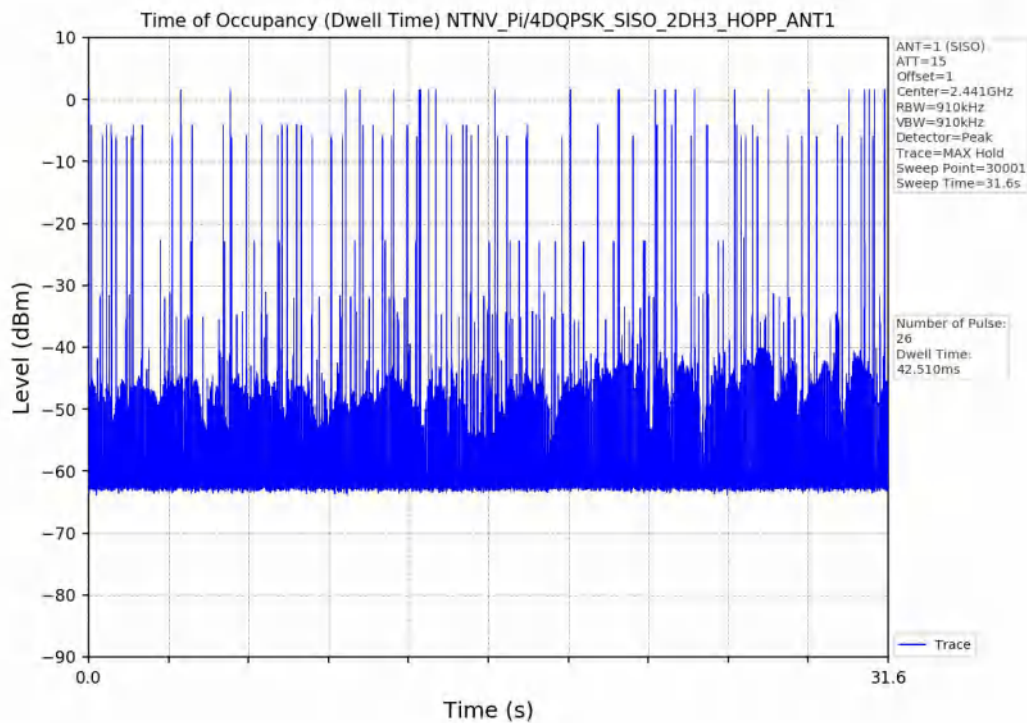


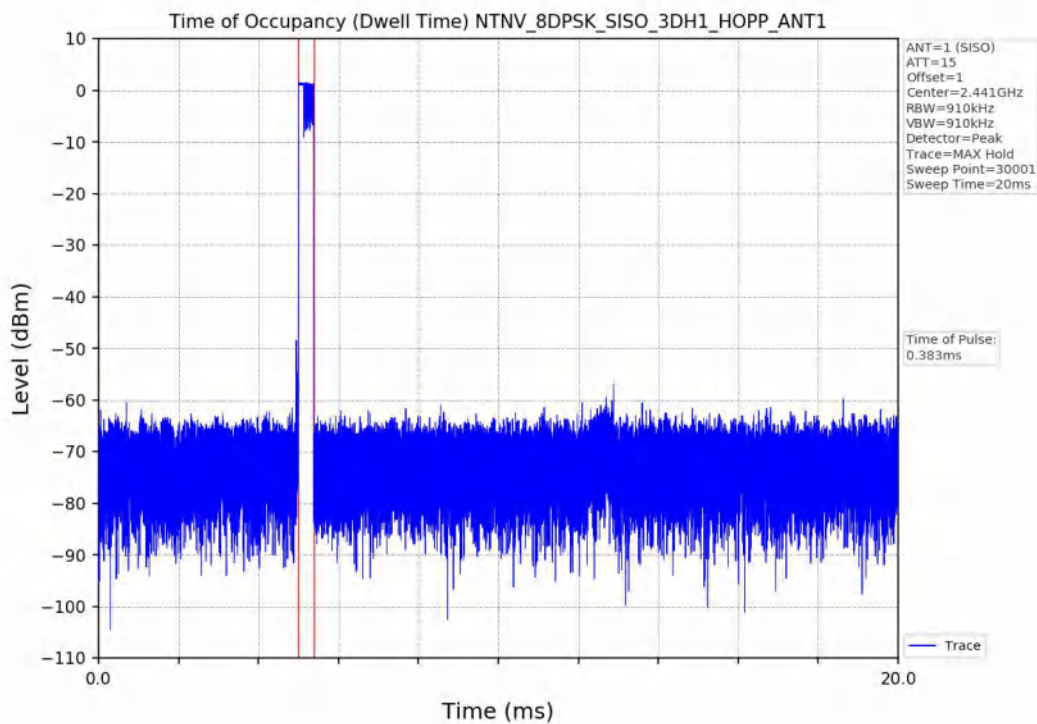
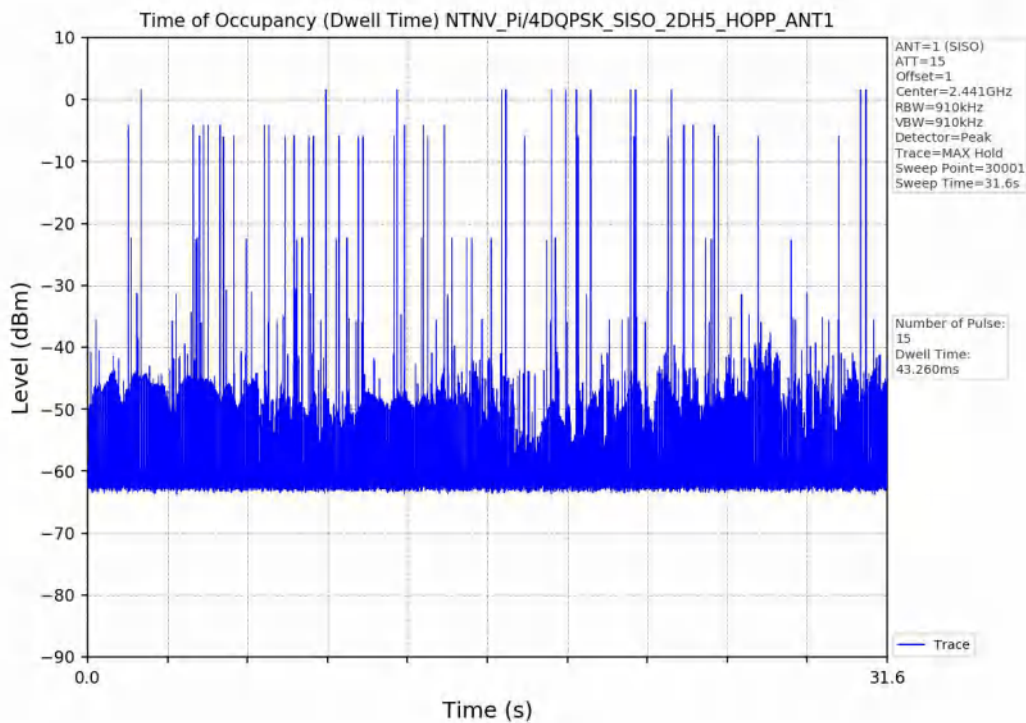


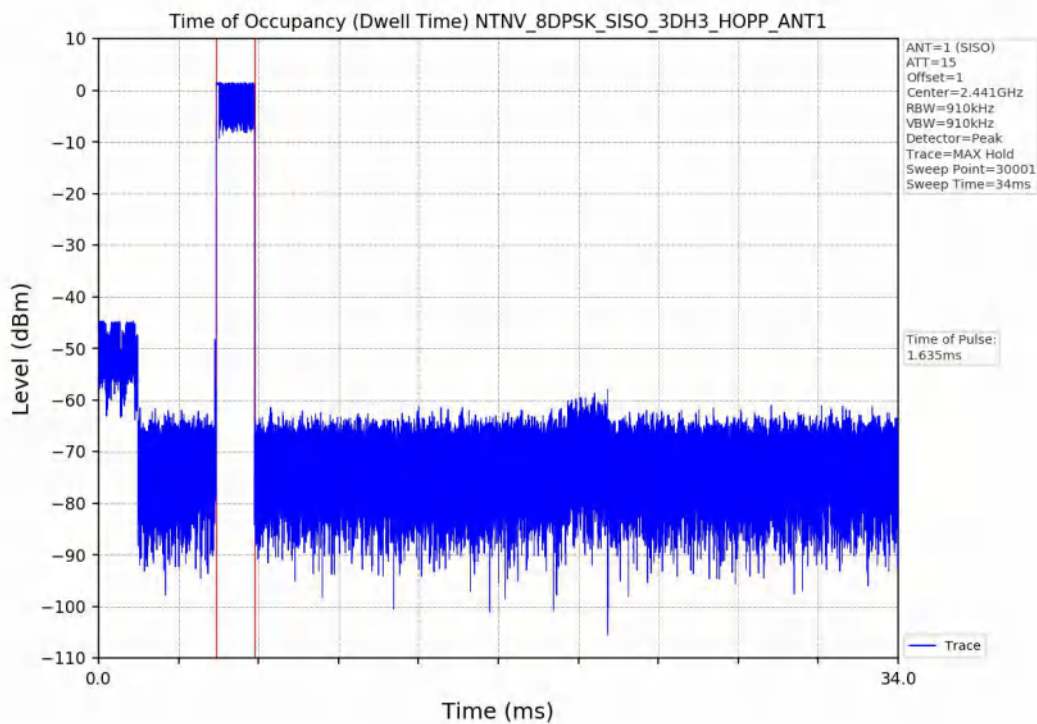
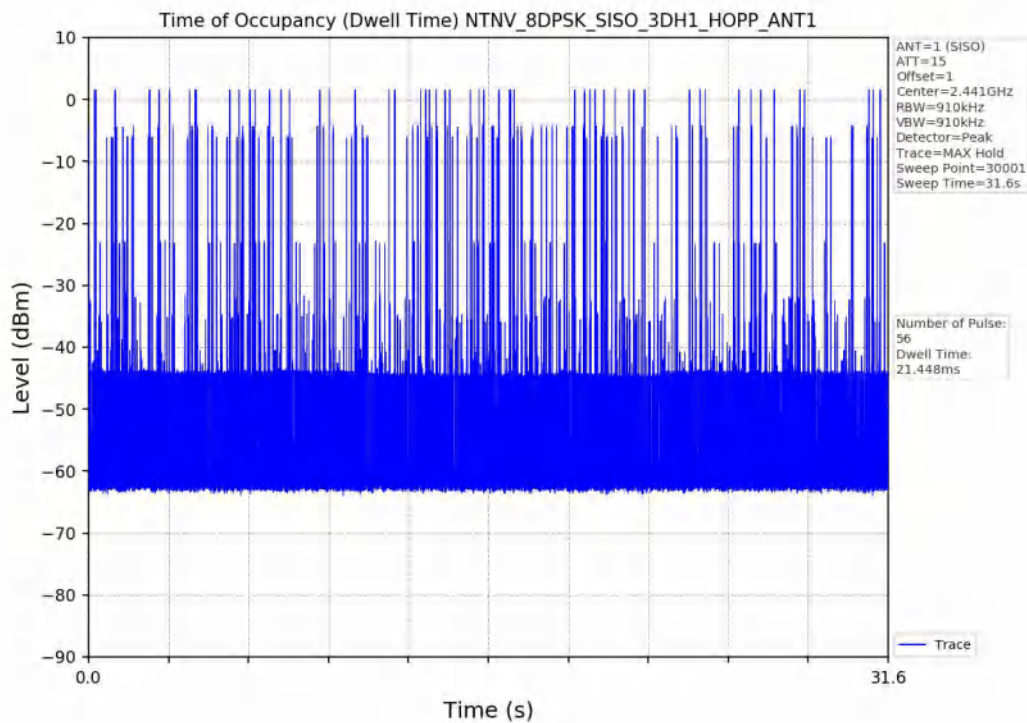


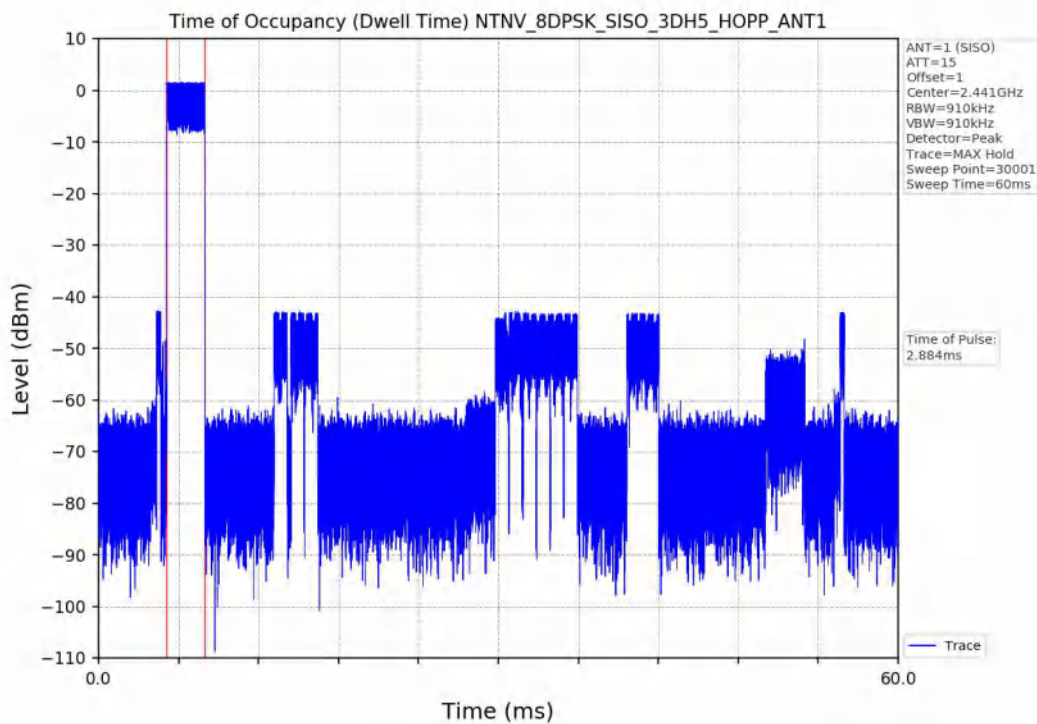
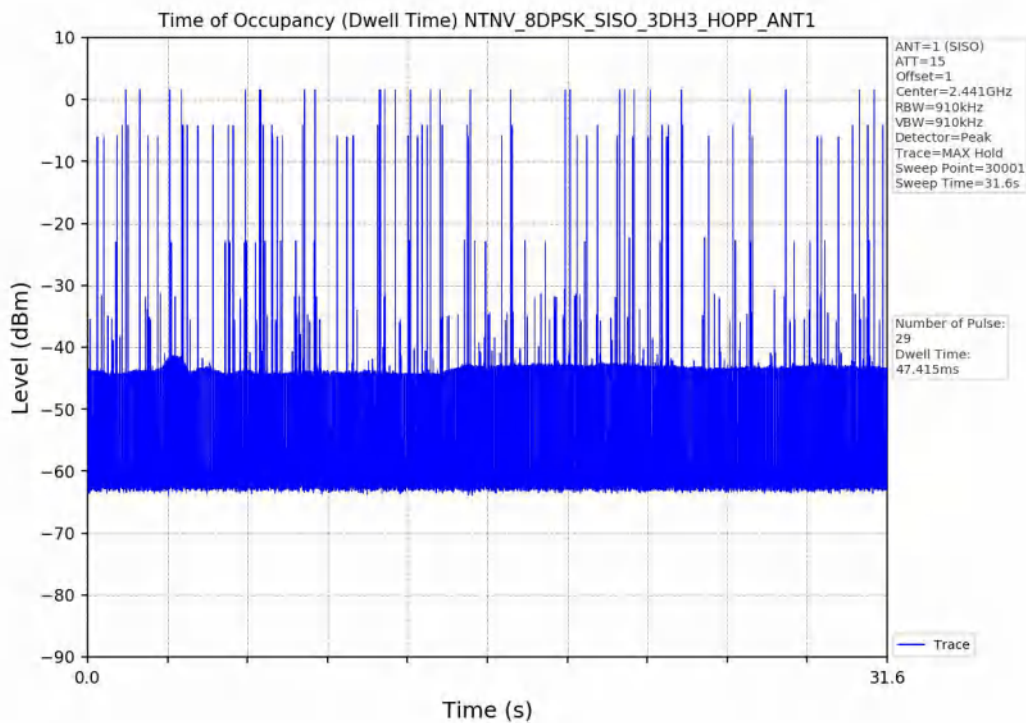


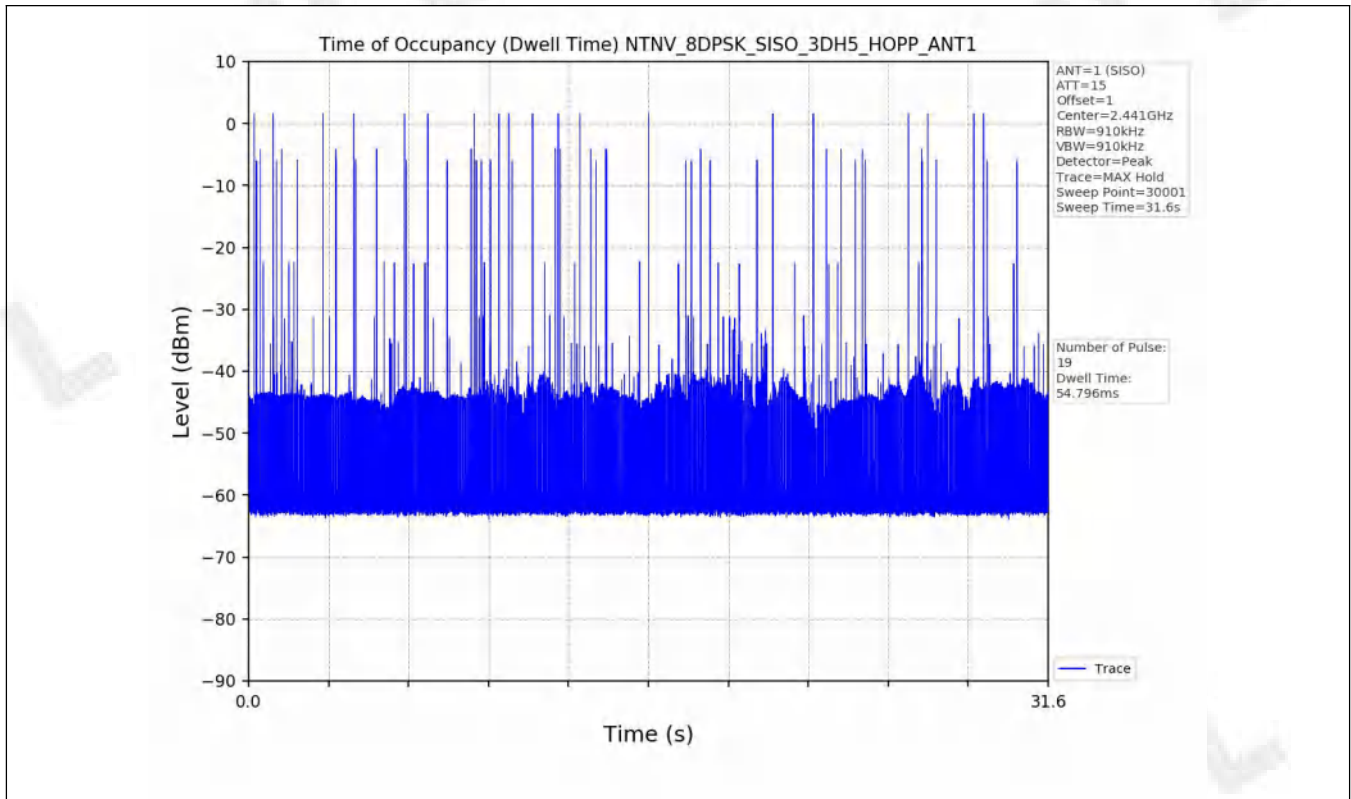












6. Unwanted Emissions in Non-restricted Frequency Bands

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	-18.58	PASS
	2441	SISO	1	Refer to test graph	-18.58	PASS
	2480	SISO	1	Refer to test graph	-18.58	PASS
	Hopping	SISO	1	Refer to test graph	-18.58	PASS
Pi/4DQPSK	2402	SISO	1	Refer to test graph	-18.55	PASS
	2441	SISO	1	Refer to test graph	-18.55	PASS
	2480	SISO	1	Refer to test graph	-18.55	PASS
	Hopping	SISO	1	Refer to test graph	-18.55	PASS
8DPSK	2402	SISO	1	Refer to test graph	-18.56	PASS
	2441	SISO	1	Refer to test graph	-18.56	PASS
	2480	SISO	1	Refer to test graph	-18.56	PASS

	Hopping	SISO	1	Refer to test graph	-18.56	PASS
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6.2 Test Graph

