

Appendix for 15.247

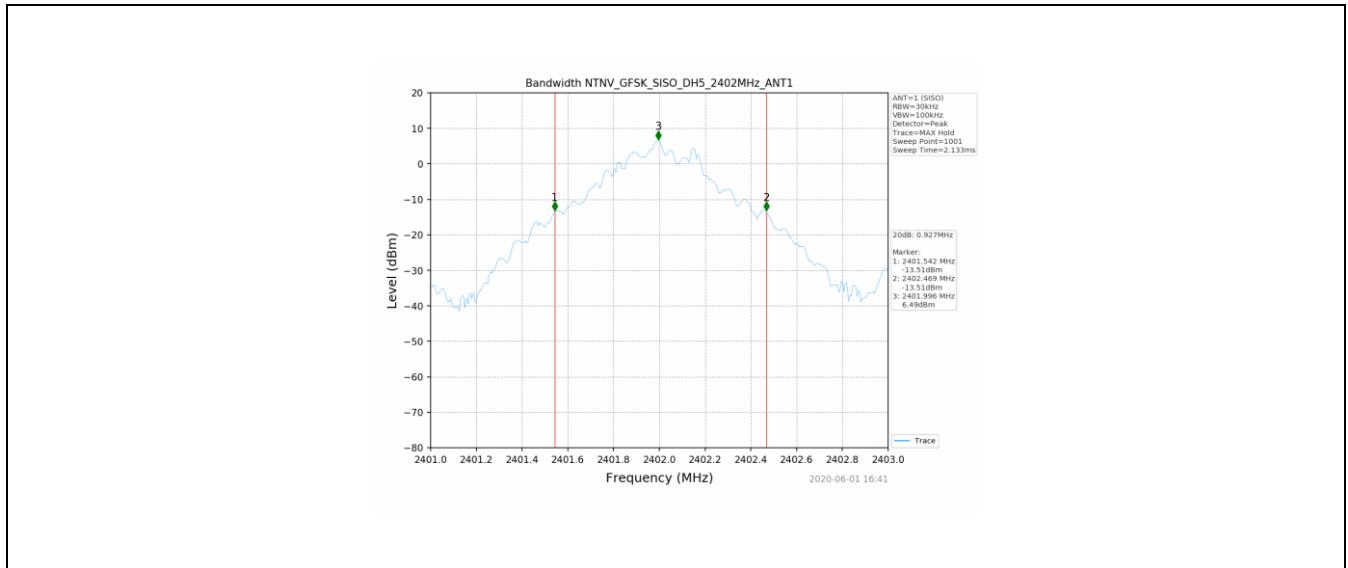
1. Bandwidth

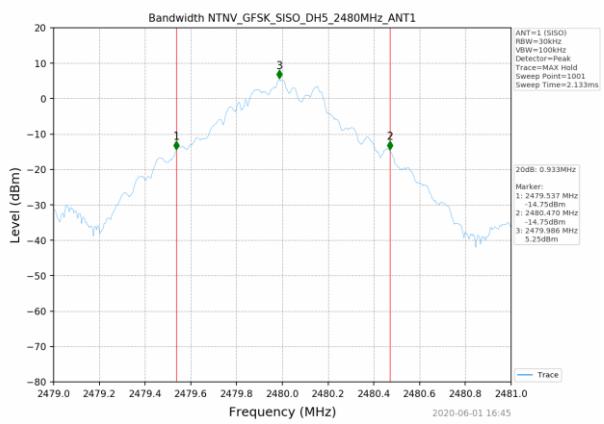
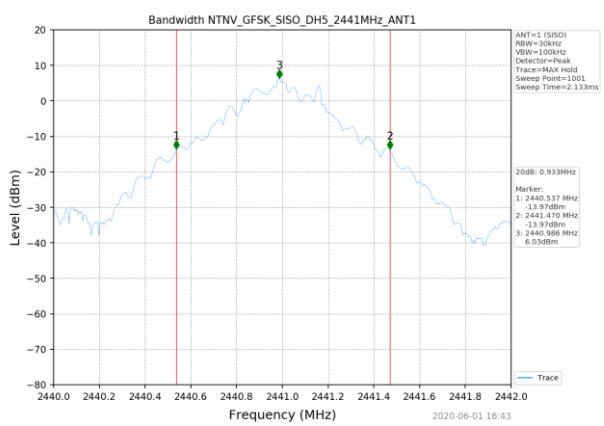
1.1 Test Result

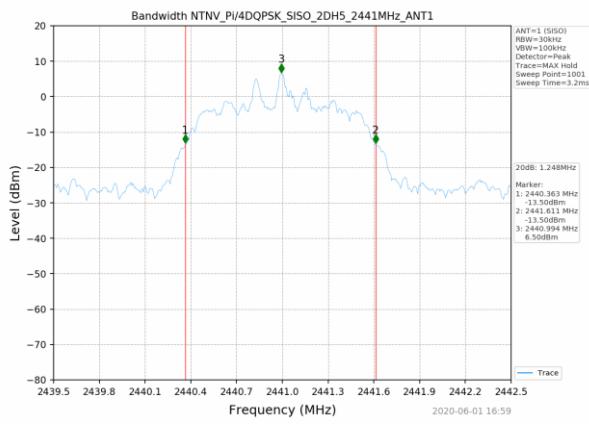
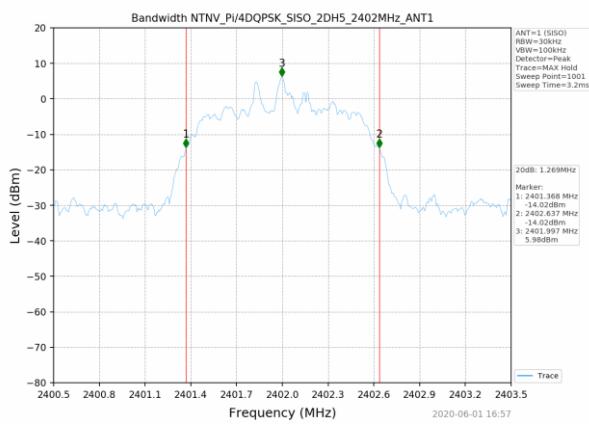
Test Mode	Frequency (MHz)	TX Type	ANT No.	20dB Bandwidth	Verdict
				Test Result (MHz)	
GFSK	2402	SISO	1	0.927	PASS
	2441	SISO	1	0.933	PASS
	2480	SISO	1	0.933	PASS
Pi/4DQPSK	2402	SISO	1	1.269	PASS
	2441	SISO	1	1.248	PASS
	2480	SISO	1	1.267	PASS
8DPSK	2402	SISO	1	1.281	PASS
	2441	SISO	1	1.324	PASS
	2480	SISO	1	1.269	PASS

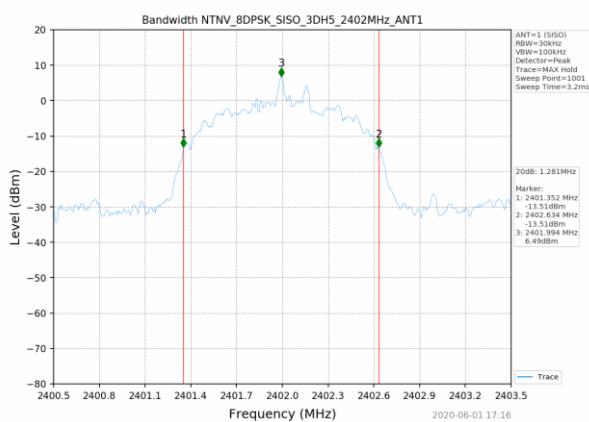
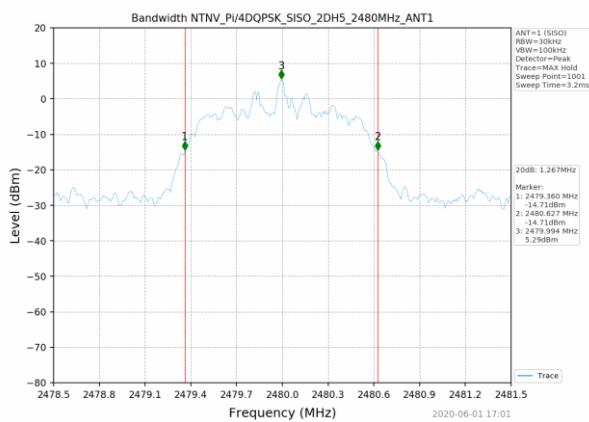
Test Mode	Frequency (MHz)	TX Type	ANT No.	99% Occupied Bandwidth	Test Result (MHz)
				Test Result (MHz)	
GFSK	2402	SISO	1	0.870	Only for Report Use
	2441	SISO	1	0.868	Only for Report Use
	2480	SISO	1	0.866	Only for Report Use
Pi/4DQPSK	2402	SISO	1	1.197	Only for Report Use
	2441	SISO	1	1.258	Only for Report Use
	2480	SISO	1	1.236	Only for Report Use
8DPSK	2402	SISO	1	1.216	Only for Report Use
	2441	SISO	1	1.258	Only for Report Use
	2480	SISO	1	1.240	Only for Report Use

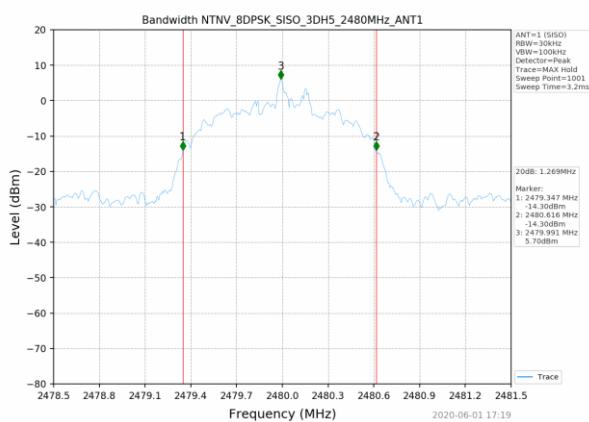
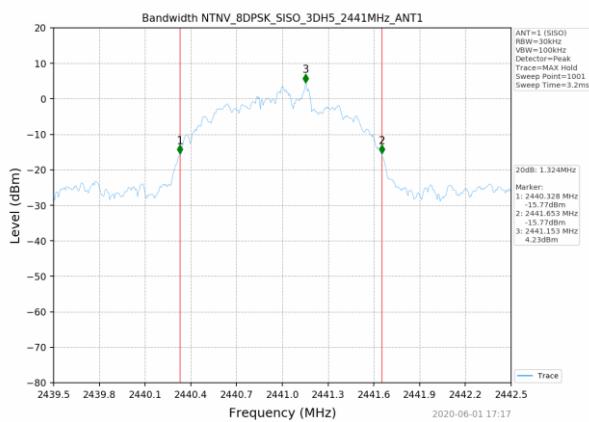
1.2 Test Graph - 20dB Bandwidth



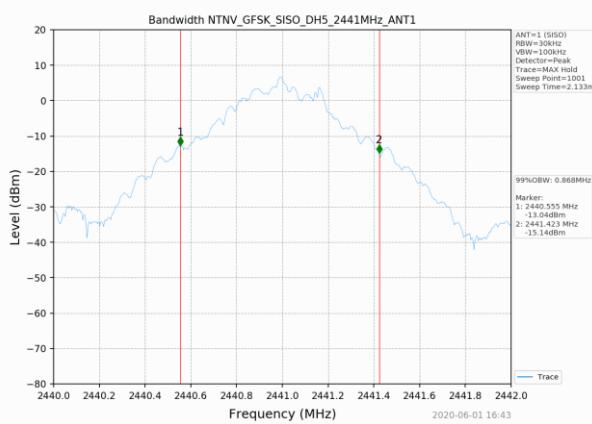
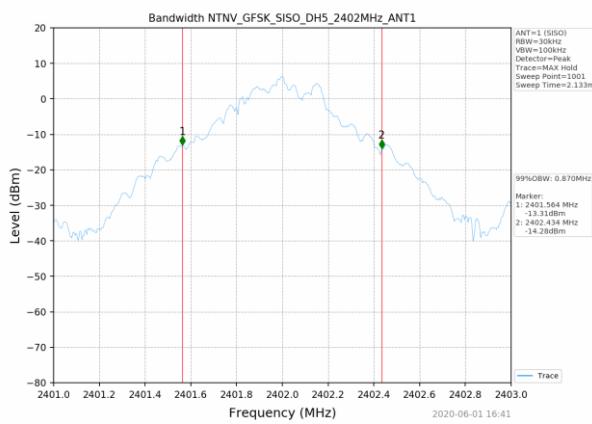


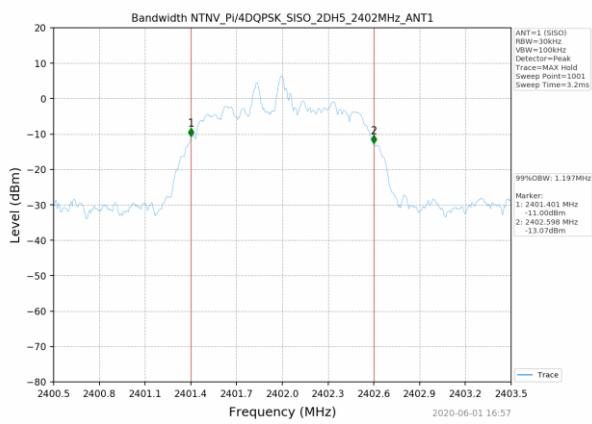
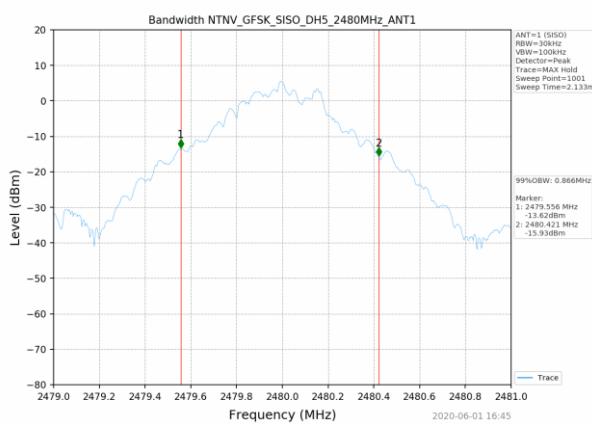


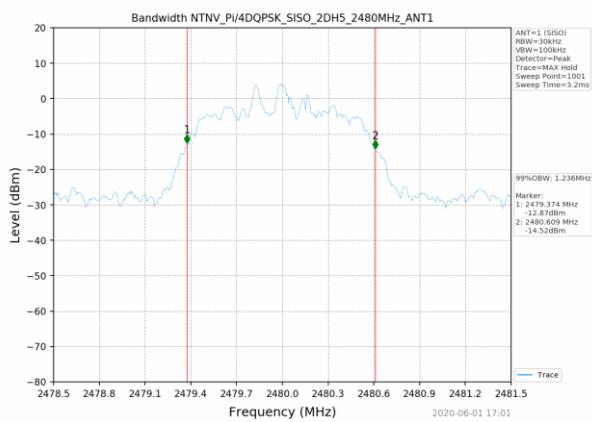
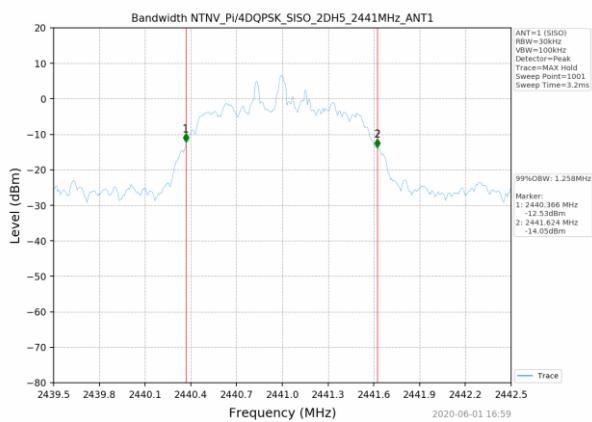


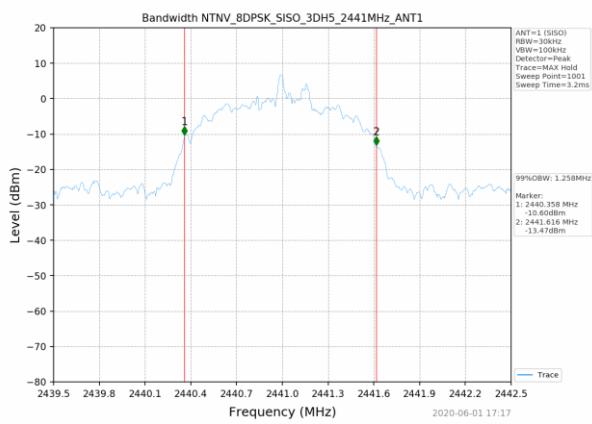
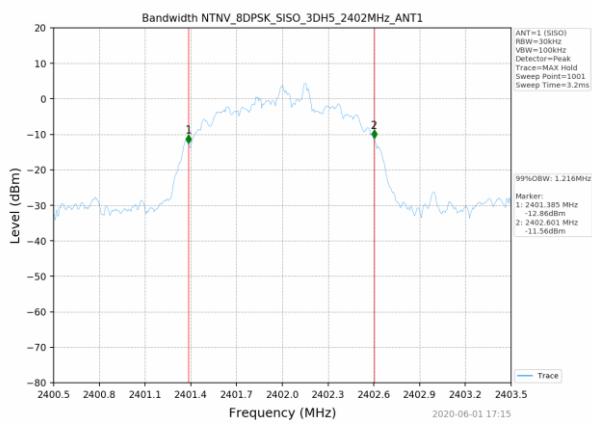


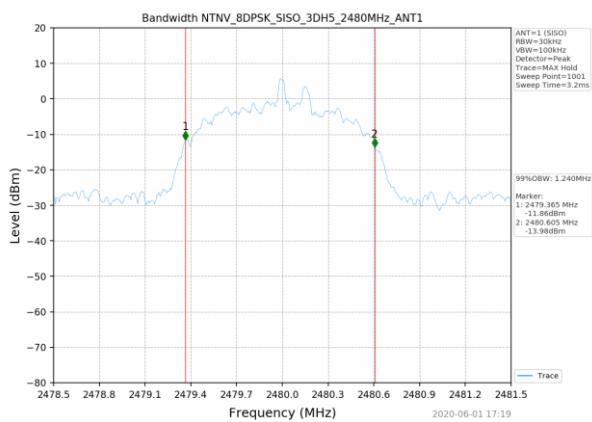
1.3 Test Graph - 99% Occupied Bandwidth









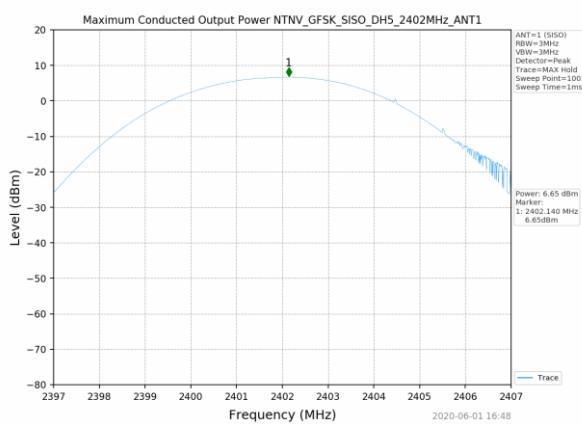


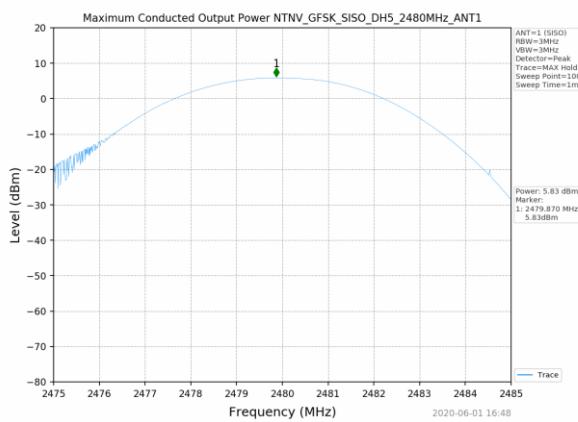
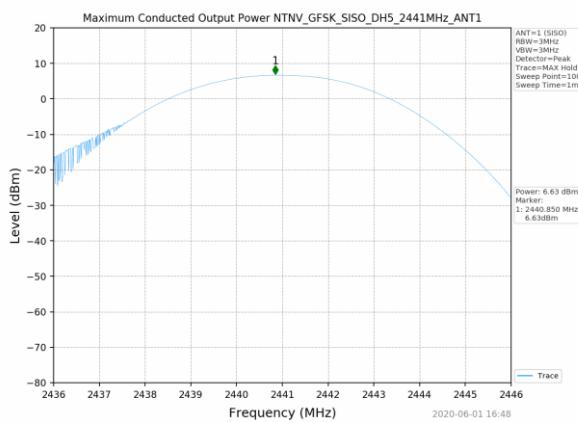
2. Maximum Conducted Output Power

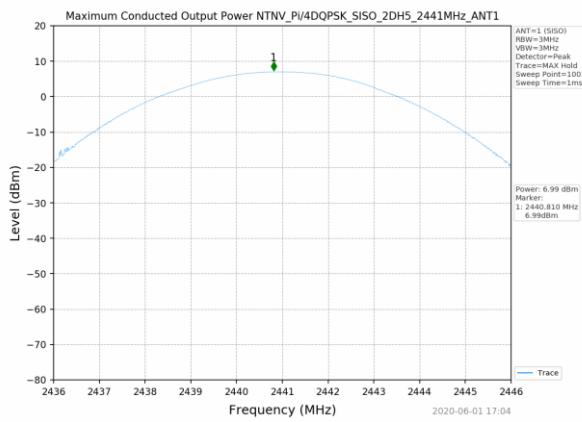
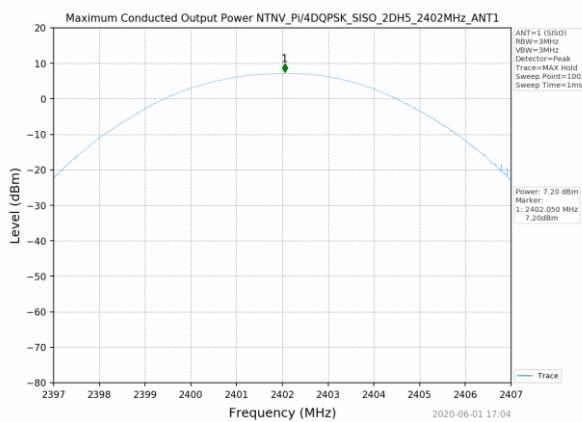
2.1 Test Result

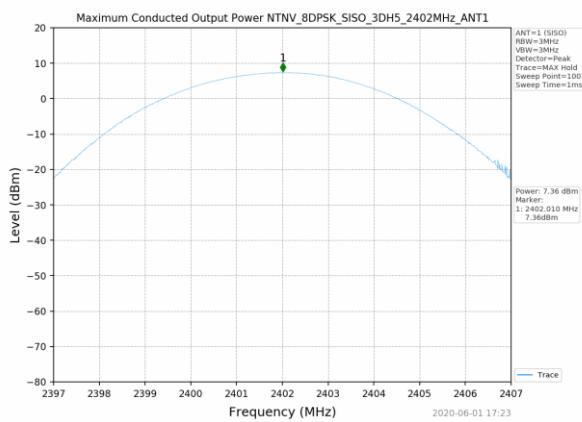
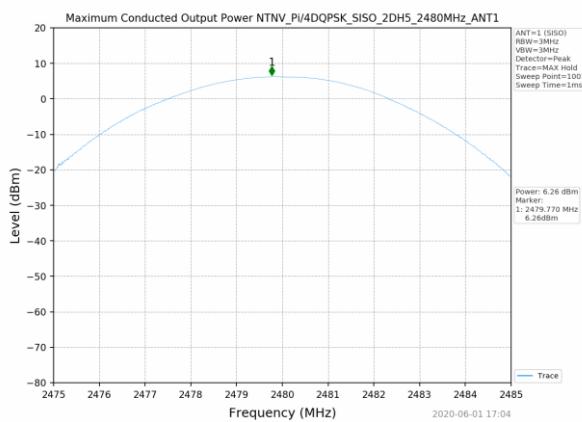
Test Mode	Frequency (MHz)	Tx Type	Measured Peak Output Power (dBm)	Limits (dBm)	Verdict
			Ant 1		
GFSK	2402	SISO	6.65	30	PASS
	2441	SISO	6.63	30	PASS
	2480	SISO	5.83	30	PASS
Pi/4DQPSK	2402	SISO	7.20	20.97	PASS
	2441	SISO	6.99	20.97	PASS
	2480	SISO	6.26	20.97	PASS
8DPSK	2402	SISO	7.36	20.97	PASS
	2441	SISO	7.12	20.97	PASS
	2480	SISO	6.45	20.97	PASS

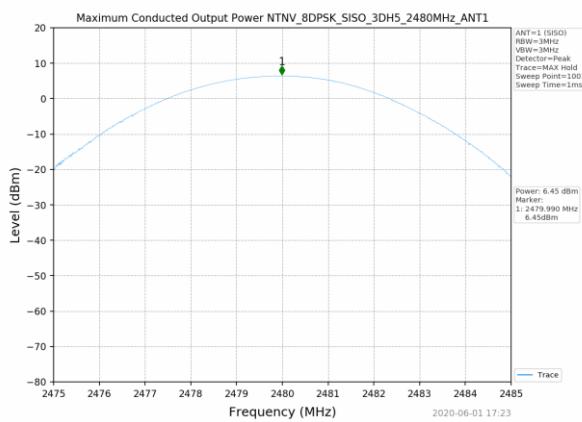
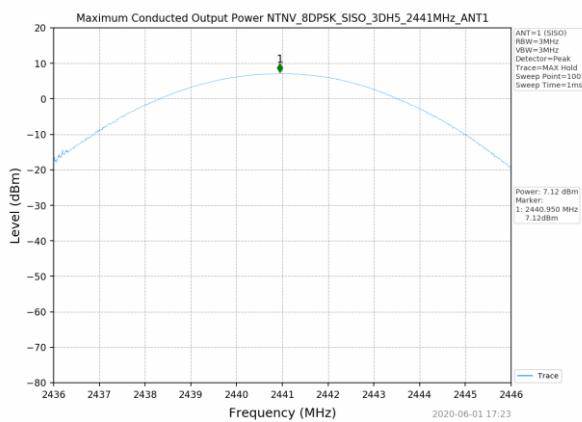
2.2 Test Graph









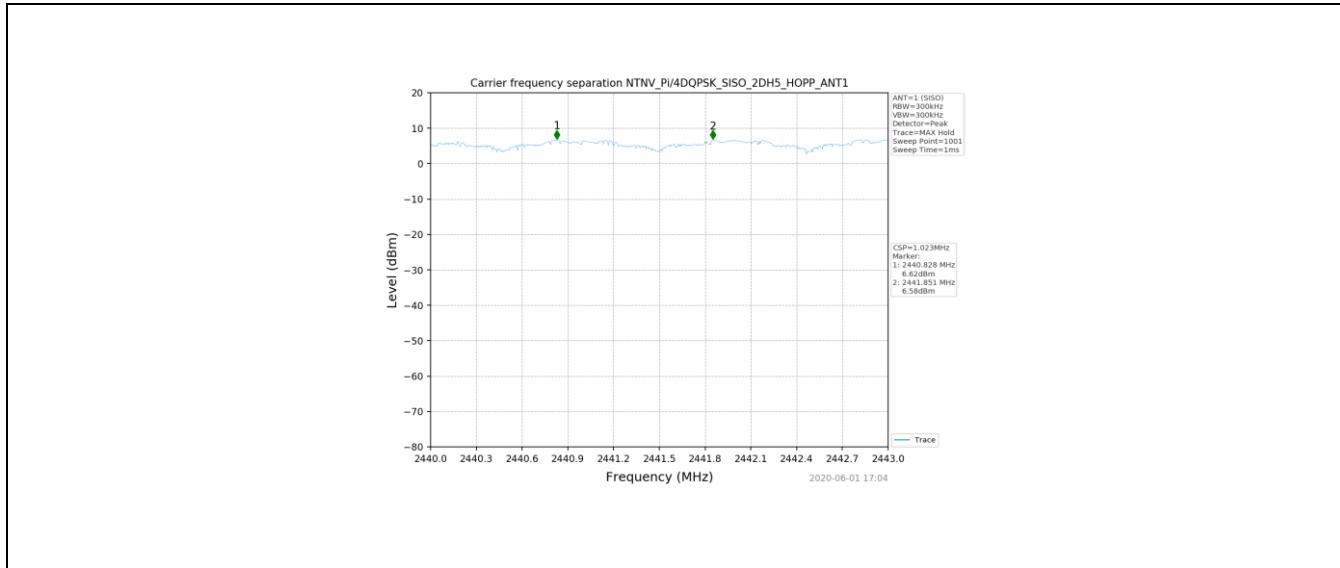
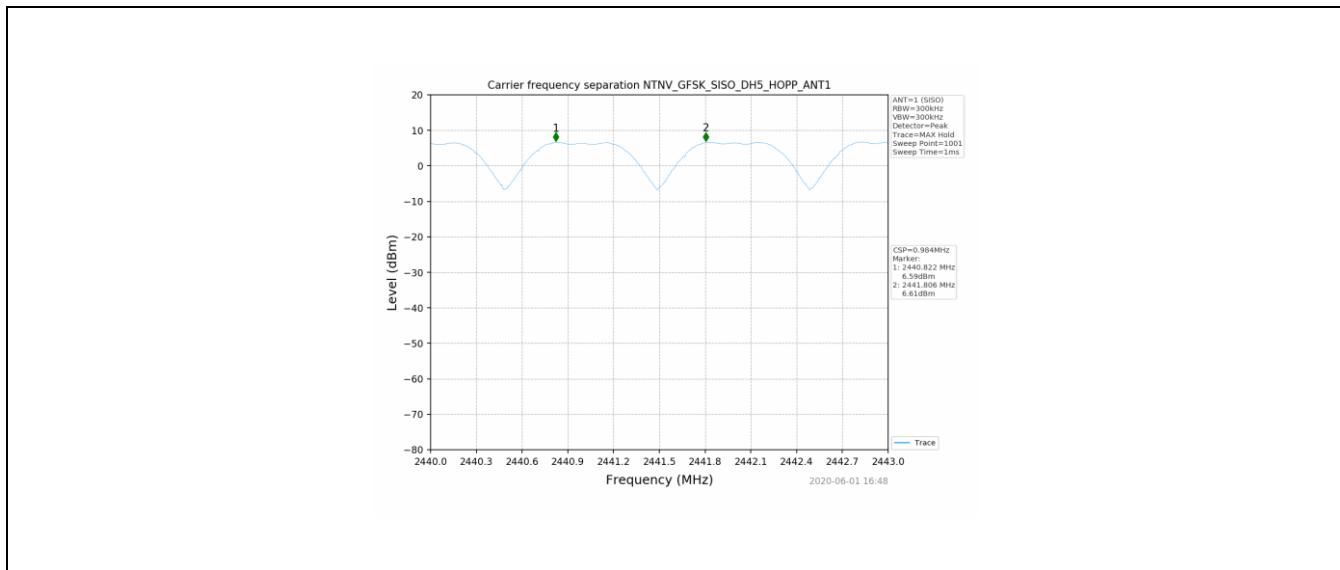


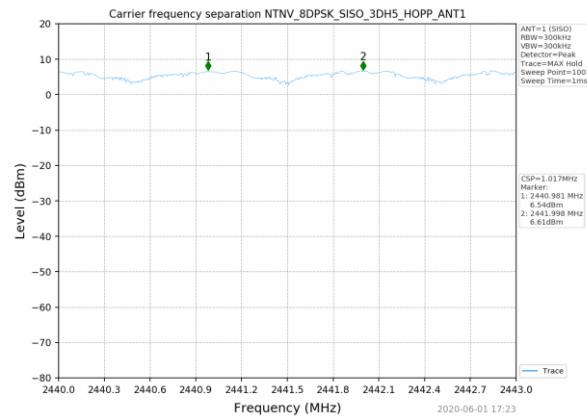
3. Carrier frequency separation

3.1 Test Result

Test Mode	TX Type	ANT No.	Channel Separation (MHz)	20dB Bandwidth (MHz)	Limits (MHz)	Verdict
GFSK	SISO	1	0.984	0.933	≥ 0.933	PASS
Pi/4DQPSK	SISO	1	1.023	1.269	≥ 0.846	PASS
8DPSK	SISO	1	1.017	1.324	≥ 0.883	PASS

3.2 Test Graph



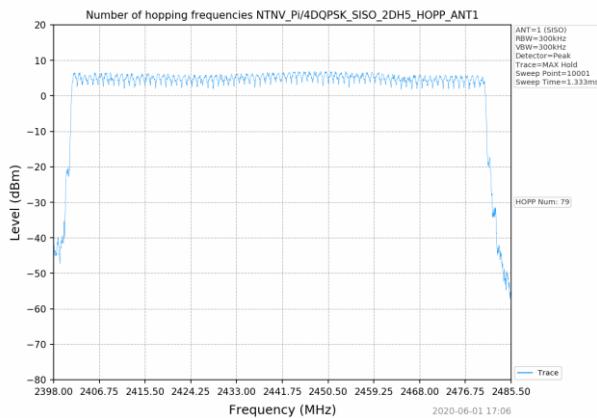
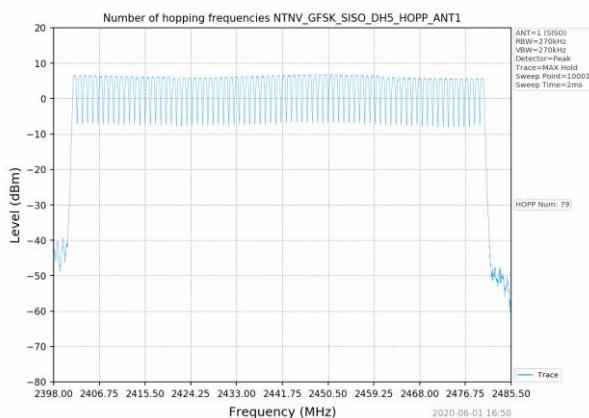


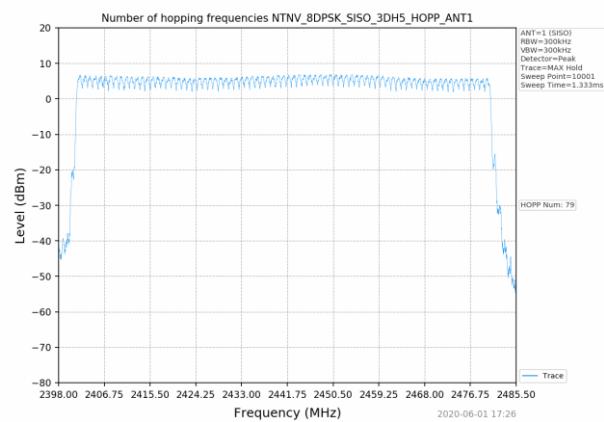
4. Number of hopping frequencies

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



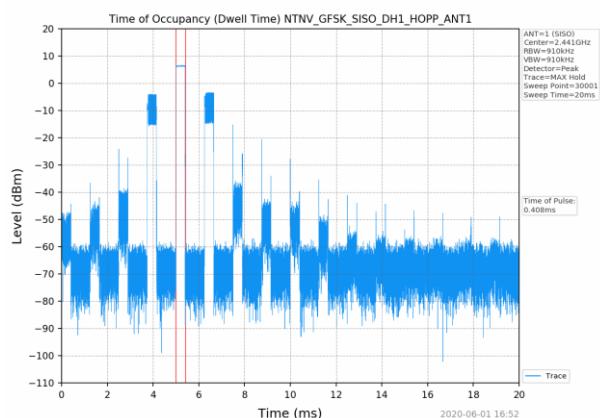


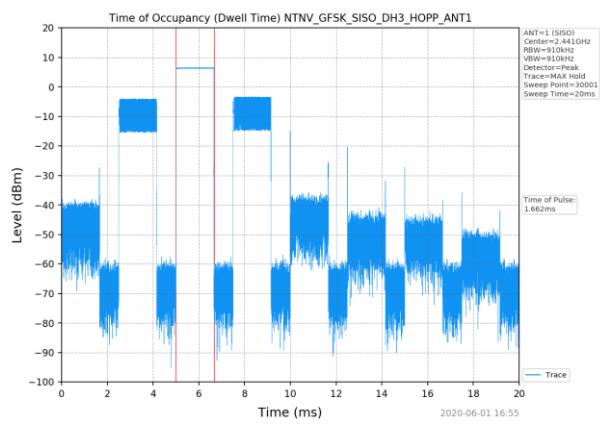
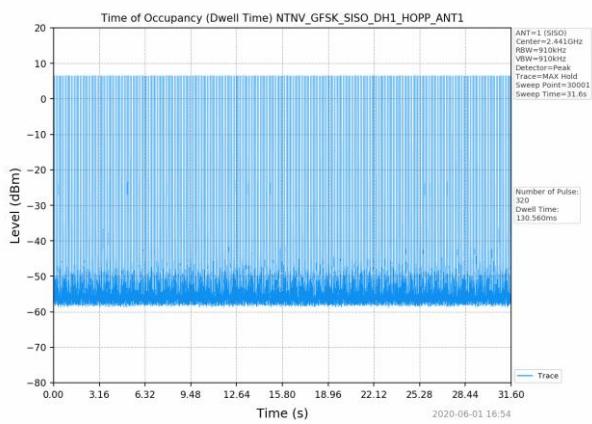
5. Time of Occupancy (Dwell Time)

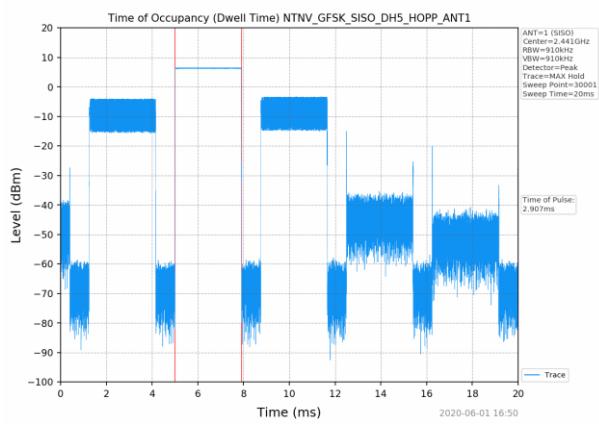
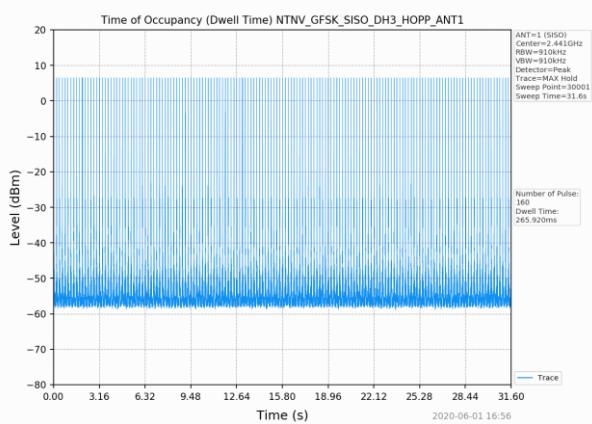
5.1 Test Result

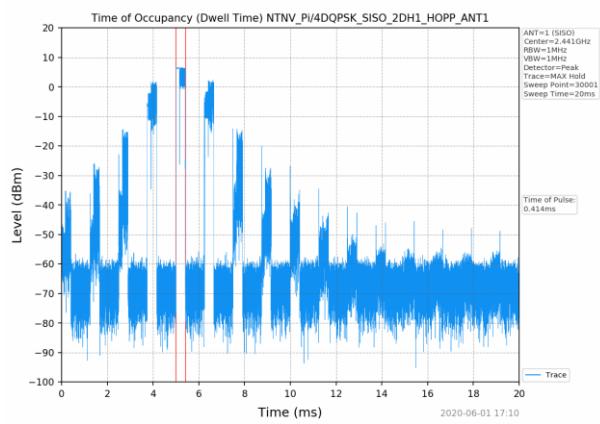
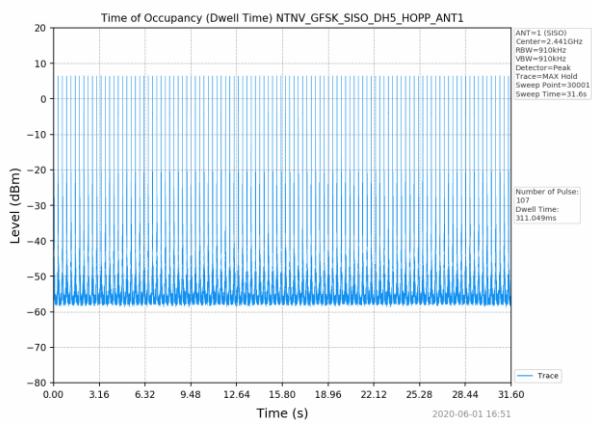
Test Mode	Packet Type	TX Type	ANT No.	Duration of Single Pulse (ms)	Observation Period (s)	Num of Pulse in Observation Period	Dwell Time (ms)	Limits (ms)	Verdict
GFSK	DH1	SISO	1	0.408	31.6	320	130.560	≤400	PASS
	DH3	SISO	1	1.662	31.6	160	265.920	≤400	PASS
	DH5	SISO	1	2.907	31.6	107	311.049	≤400	PASS
Pi/4D QPSK	2DH1	SISO	1	0.414	31.6	320	132.480	≤400	PASS
	2DH3	SISO	1	1.667	31.6	160	266.720	≤400	PASS
	2DH5	SISO	1	2.914	31.6	107	311.798	≤400	PASS
8DPSK	3DH1	SISO	1	0.414	31.6	320	132.480	≤400	PASS
	3DH3	SISO	1	1.666	31.6	160	266.560	≤400	PASS
	3DH5	SISO	1	2.917	31.6	107	312.119	≤400	PASS

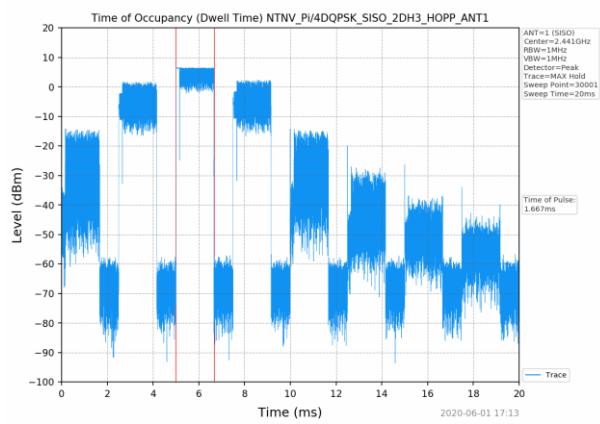
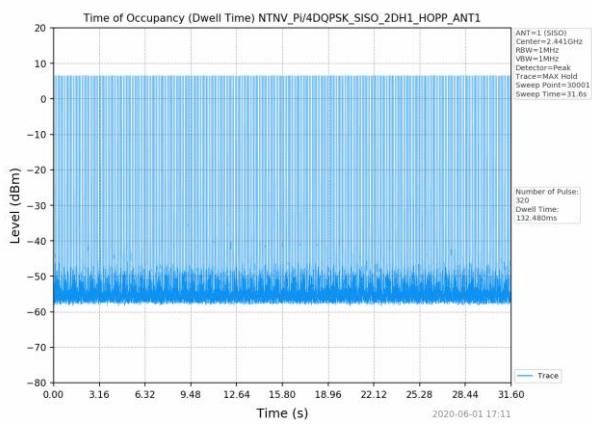
5.2 Test Graph

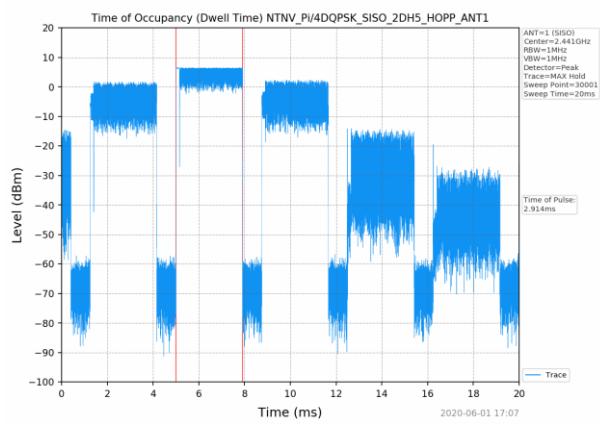
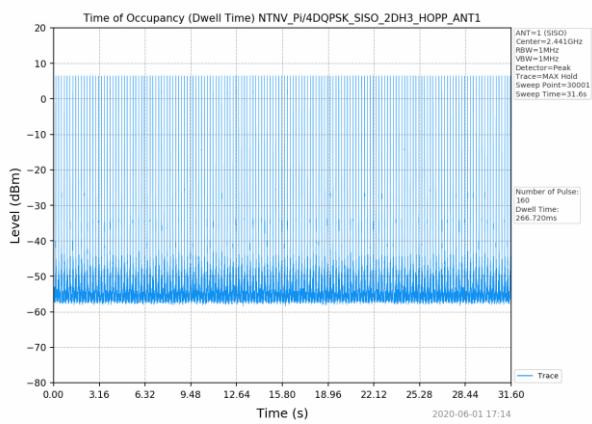


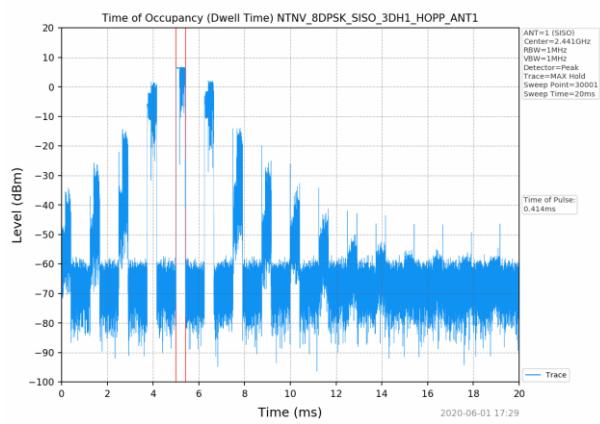
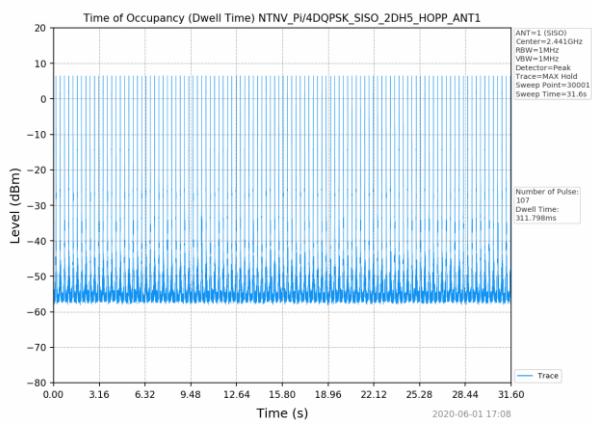


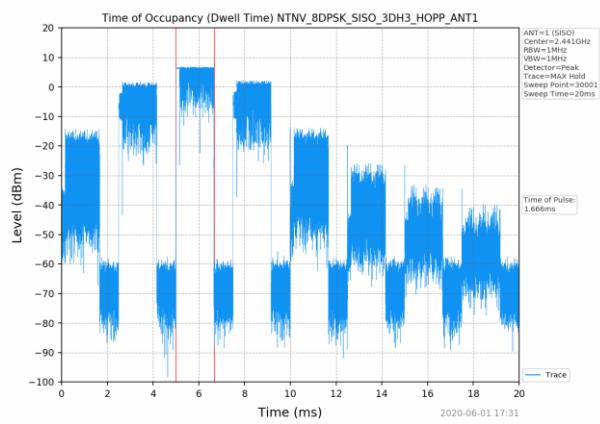
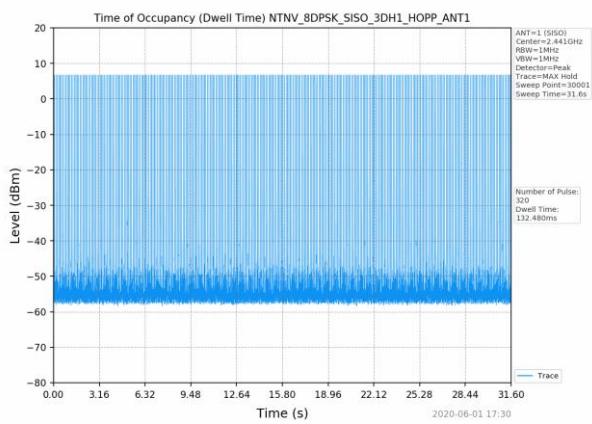


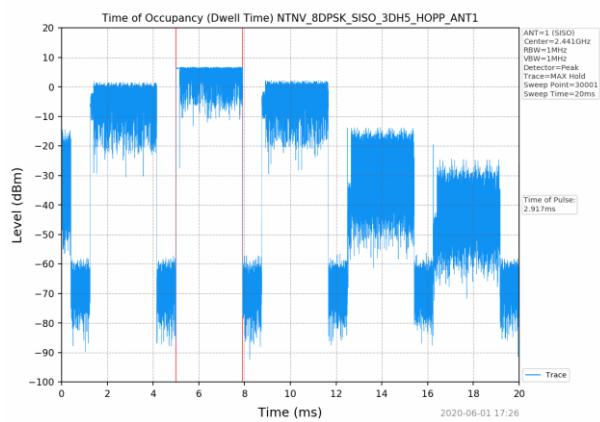
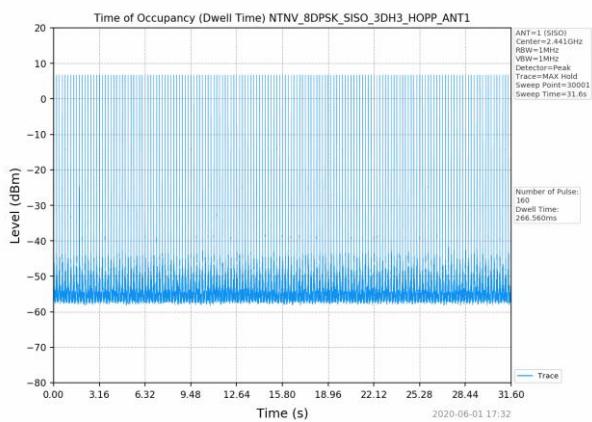


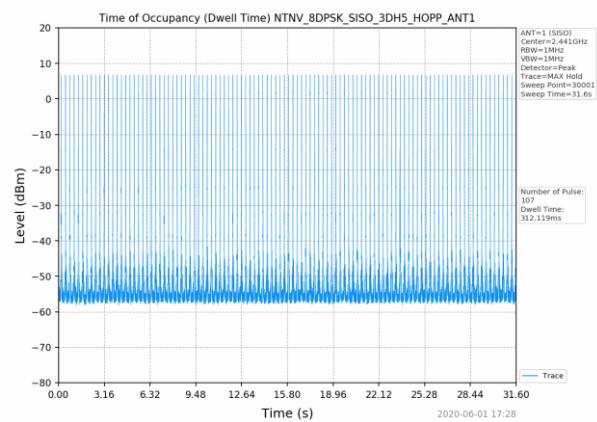












6. Unwanted Emissions in Non-restricted Frequency Bands

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	-13.44	PASS
	2441	SISO	1	Refer to test graph	-13.44	PASS
	2480	SISO	1	Refer to test graph	-13.44	PASS
	Hopping	SISO	1	Refer to test graph	-13.44	PASS
Pi/4DQPSK	2402	SISO	1	Refer to test graph	-13.41	PASS
	2441	SISO	1	Refer to test graph	-13.41	PASS
	2480	SISO	1	Refer to test graph	-13.41	PASS
	Hopping	SISO	1	Refer to test graph	-13.41	PASS
8DPSK	2402	SISO	1	Refer to test graph	-13.44	PASS
	2441	SISO	1	Refer to test graph	-13.44	PASS
	2480	SISO	1	Refer to test graph	-13.44	PASS
	Hopping	SISO	1	Refer to test graph	-13.44	PASS

6.2 Test Graph

