Appendix for 15.247

1. Bandwidth

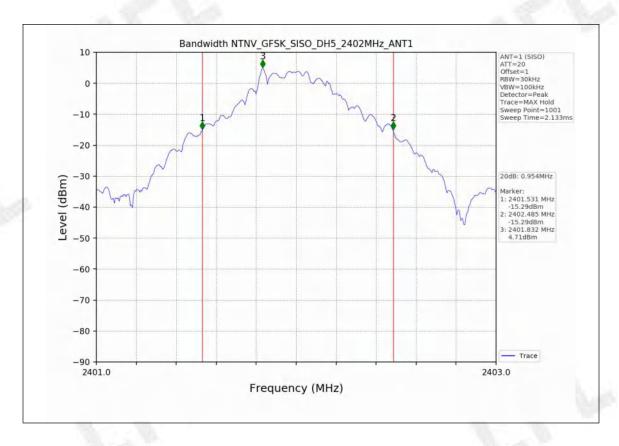
1.1 Test Result

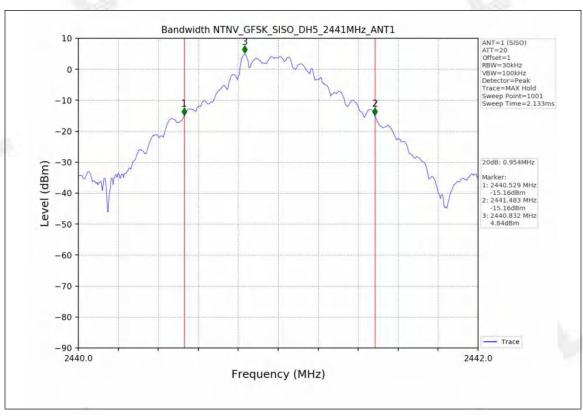
Test Mode	Frequency (MHz)	TX Type	ANT No.	20dB Bandwidth Test Result (MHz)	Verdict
	2402	SISO	1	0.954	PASS
GFSK	2441	SISO	1	0.954	PASS
Co.	2480	SISO	1	0.955	PASS
	2402	SISO	1	1.290	PASS
Pi/4DQPSK	2441	SISO	1	1.308	PASS
	2480	SISO	1	1.310	PASS
	2402	SISO	1	1.302	PASS
8DPSK	2441	SISO	1	1.293	PASS
	2480	SISO	1	1.298	PASS

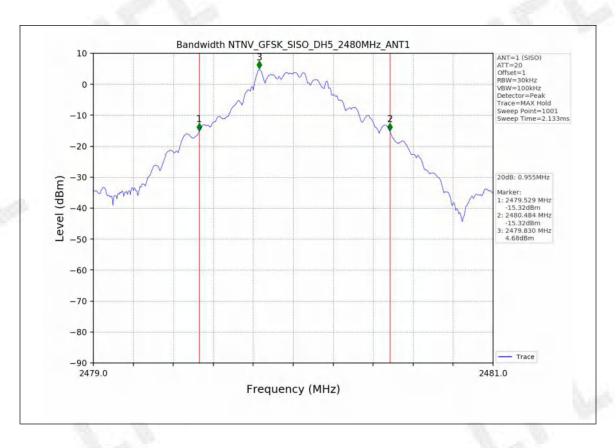
Test Mode	Frequency (MHz)	TX Type	ANT No.		ed Bandwidth		
Toolivious	r requerity (Wir IZ)	17. 1900	7111110.	Test Res	Test Result (MHz)		
	2402	SISO	1	0.888	Only for Report Use		
GFSK	2441	SISO	1	0.890	Only for Report Use		
	2480	SISO	1	0.887	Only for Report Use		
- 19	2402	SISO	1	1.180	Only for Report Use		
Pi/4DQPSK	2441	SISO	1	1.181	Only for Report Use		
	2480	SISO	1	1.183	Only for Report Use		
	2402	SISO	1	1.197	Only for Report Use		
8DPSK	2441	SISO	1	1.197	Only for Report Use		
	2480	SISO	1	1.199	Only for Report Use		

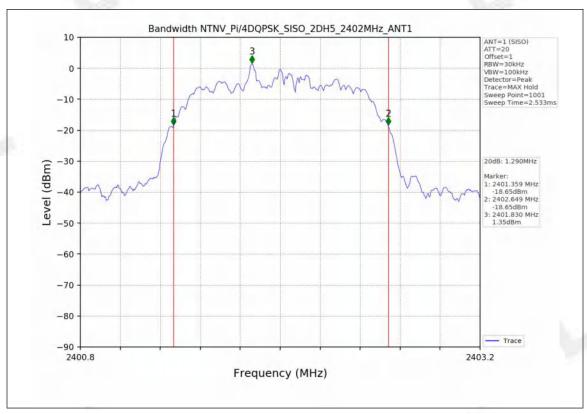
1.2 Test Graph - 20dB Bandwidth

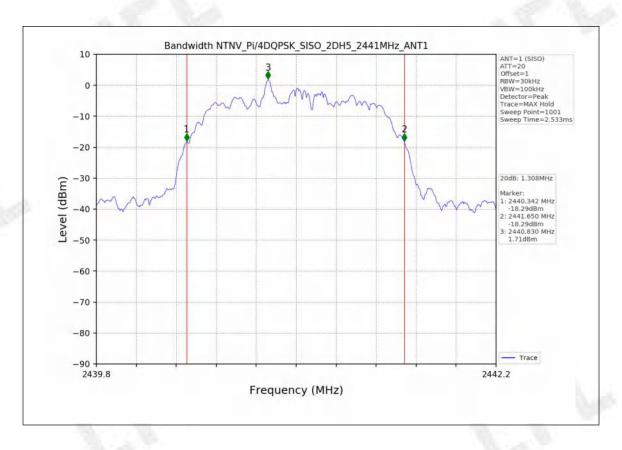
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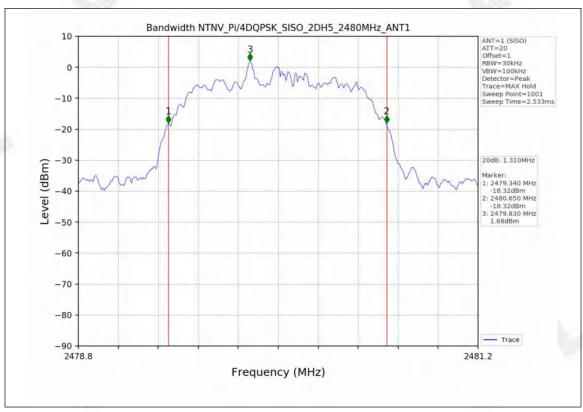


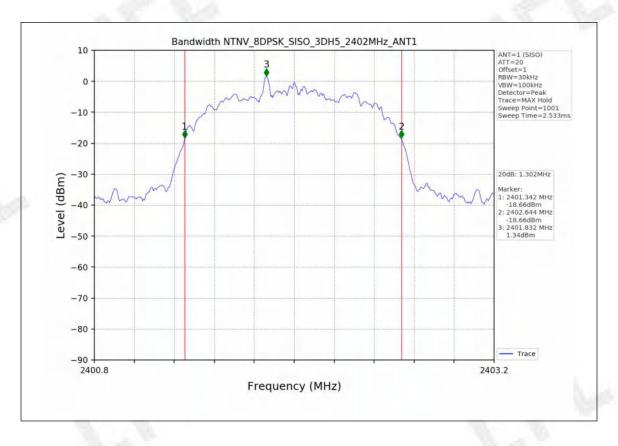


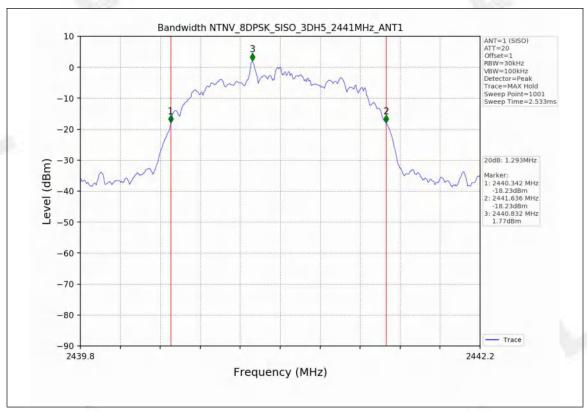


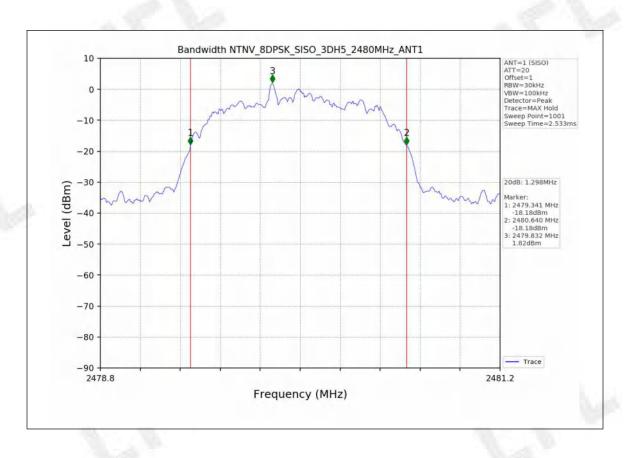




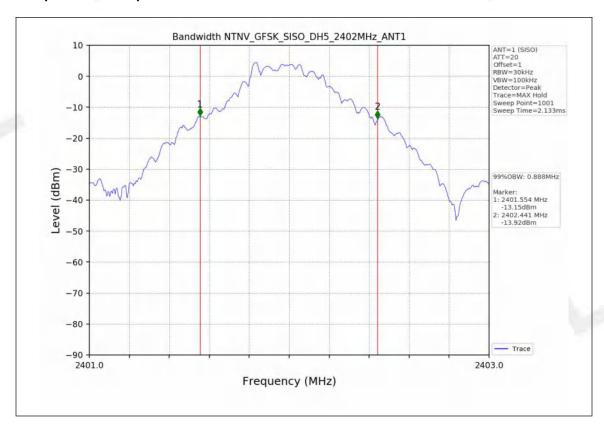




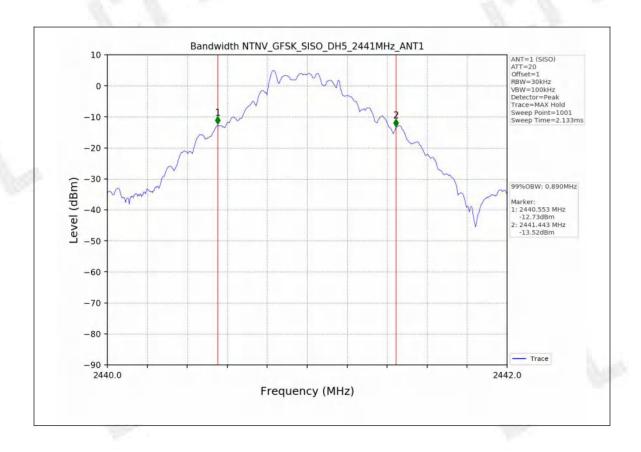


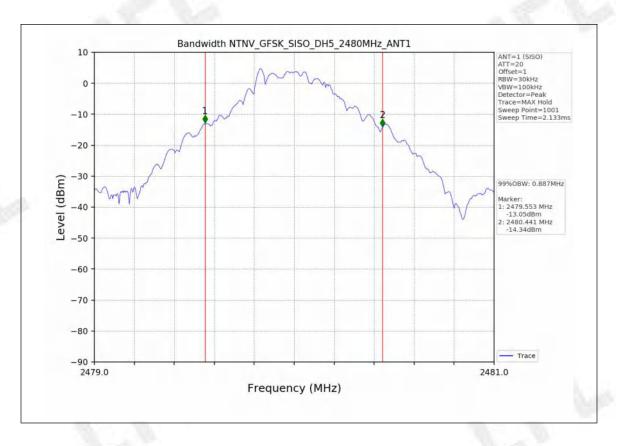


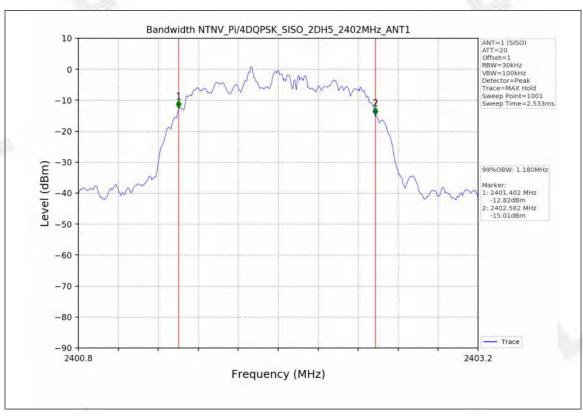
1.3 Test Graph - 99% Occupied Bandwidth

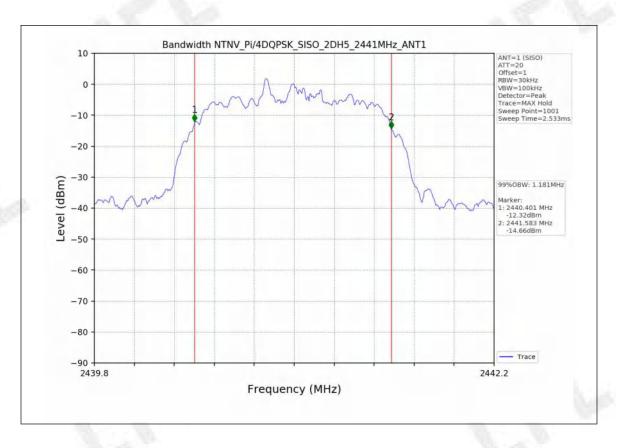


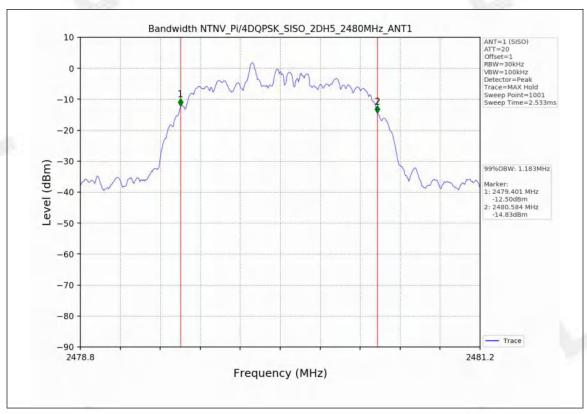
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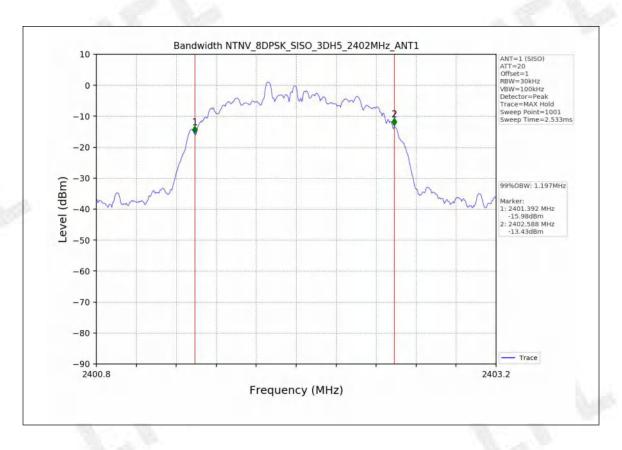


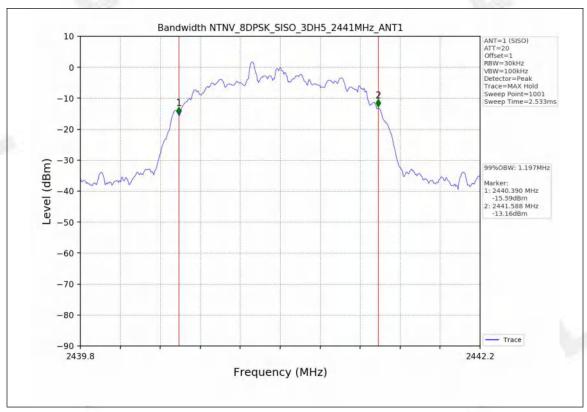


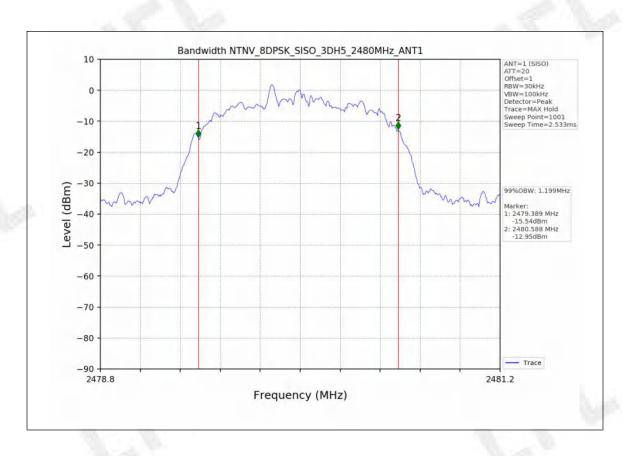








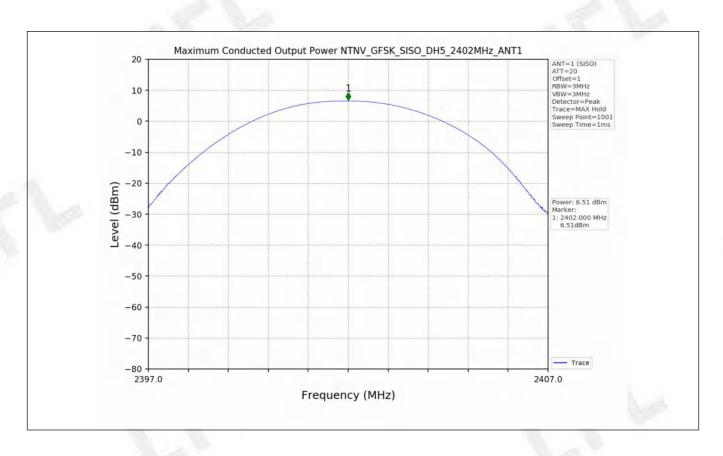


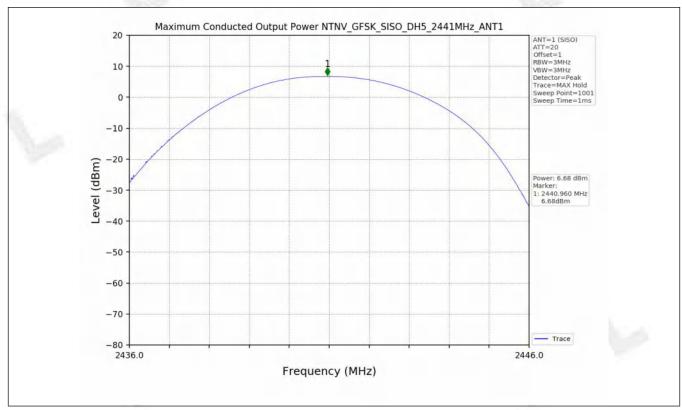


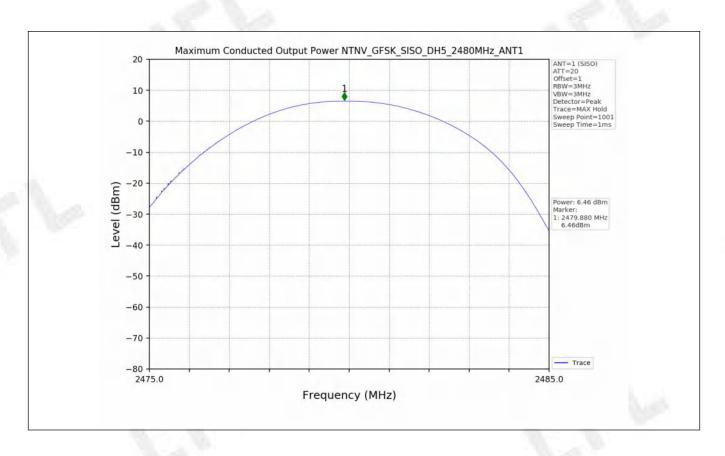
2. Maximum Conducted Output Power

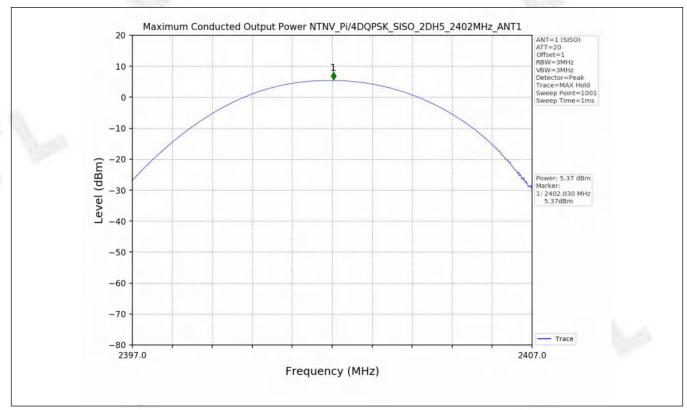
2.1 Test Result

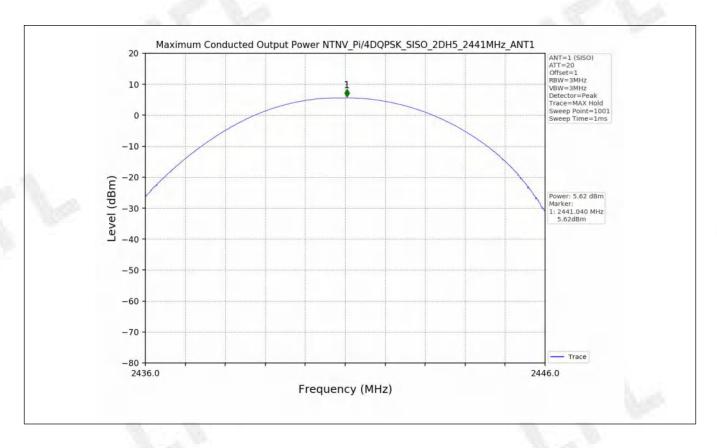
Test Mode	Frequency (MHz)	Тх Туре	Measured Peak Output Power (dBm) Ant 1	Limits (dBm)	Verdict
	2402	SISO	6.51	30	PASS
GFSK	2441	SISO	6.68	30	PASS
	2480	SISO	6.46	30	PASS
	2402	SISO	5.37	20.97	PASS
Pi/4DQPSK	2441	SISO	5.62	20.97	PASS
	2480	SISO	5.49	20.97	PASS
	2402	SISO	5.84	20.97	PASS
8DPSK	2441	SISO	6.04	20.97	PASS
	2480	SISO	5.89	20.97	PASS



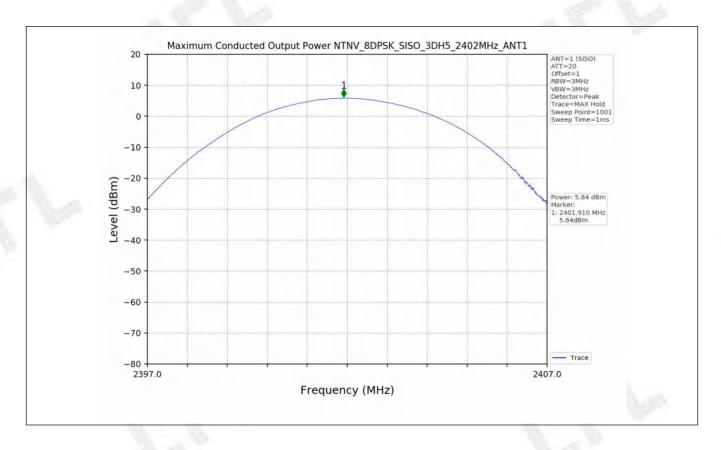


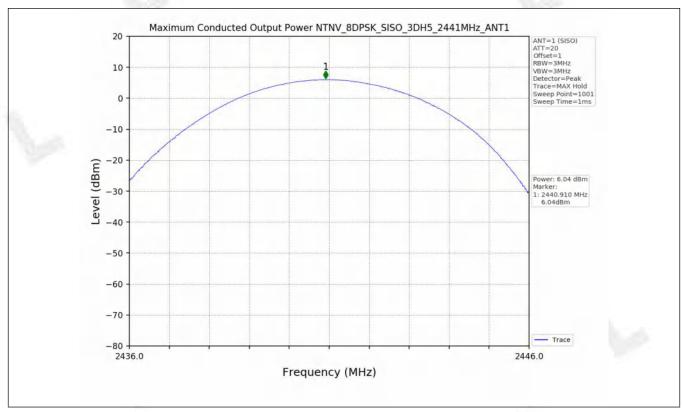


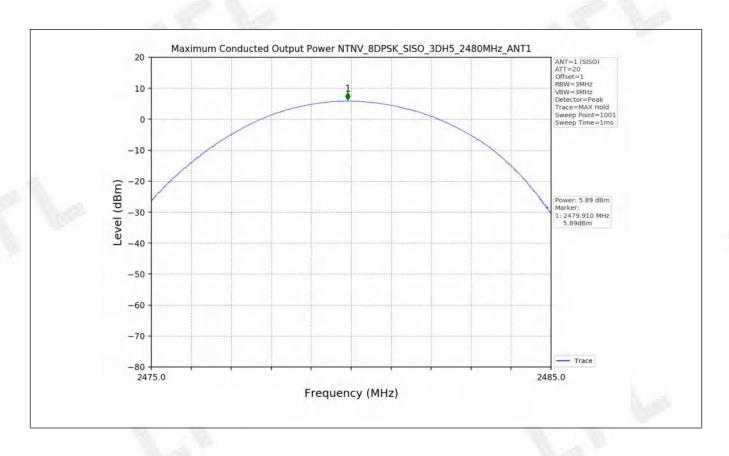








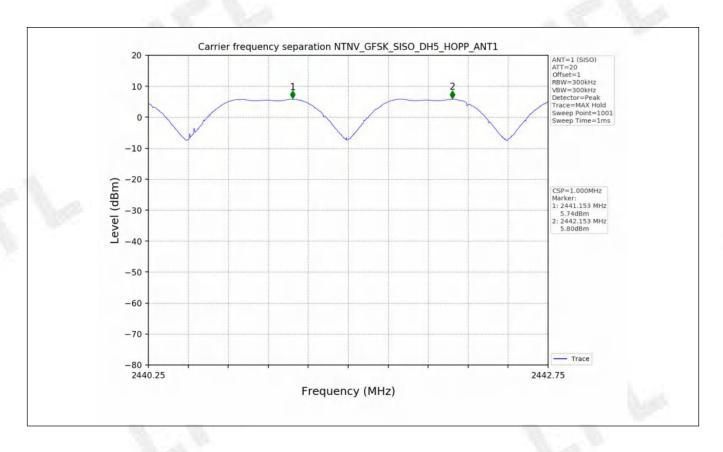


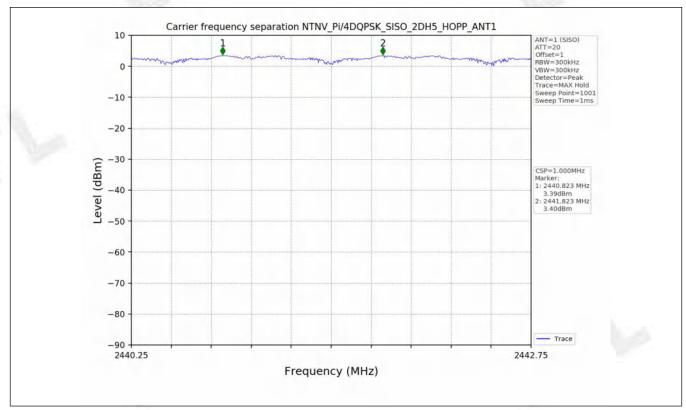


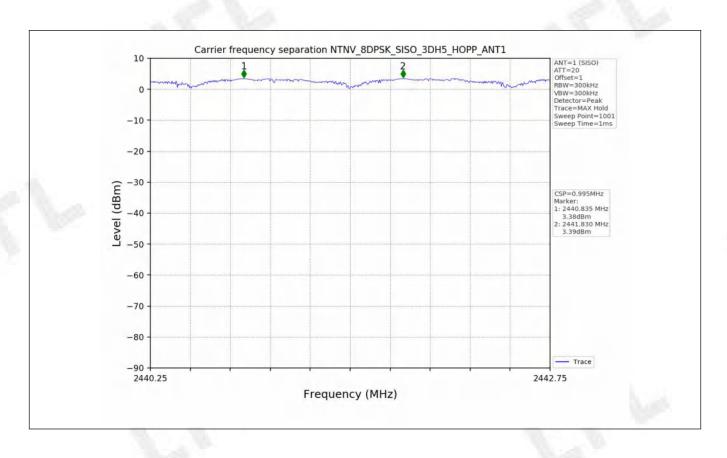
3. Carrier frequency separation

3.1 Test Result

Test Mode	TX Type	ANT No.	Channel Separation (MHz)	20dB Bandwidth (MHz)	Limits (MHz)	Verdict
GFSK	SISO	1	1.000	0.955	≥0.955	PASS
Pi/4DQPSK	SISO	1	1.000	1.310	≥0.873	PASS
8DPSK	SISO	1	0.995	1.302	≥0.868	PASS



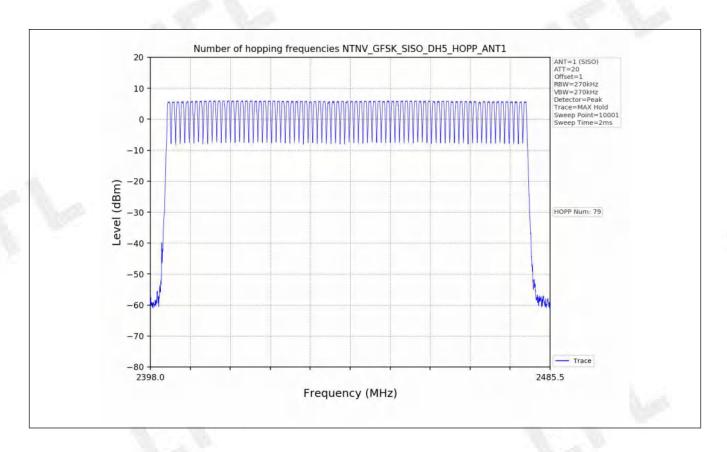


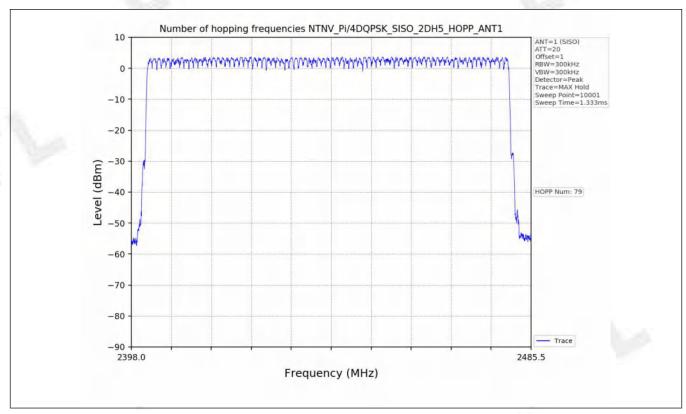


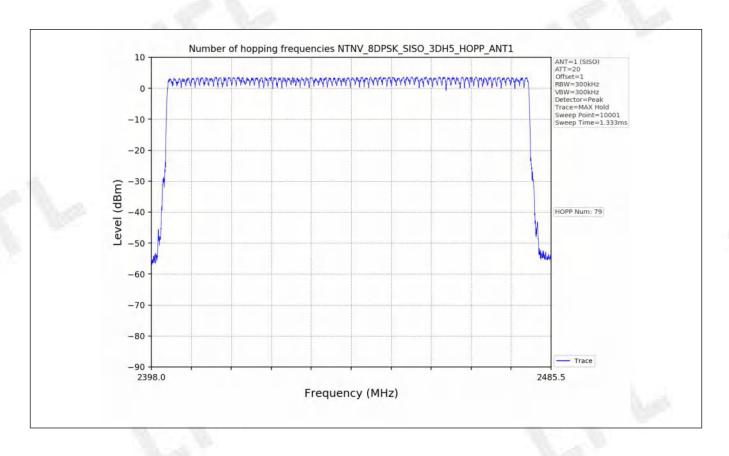
4. Number of hopping frequencies

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



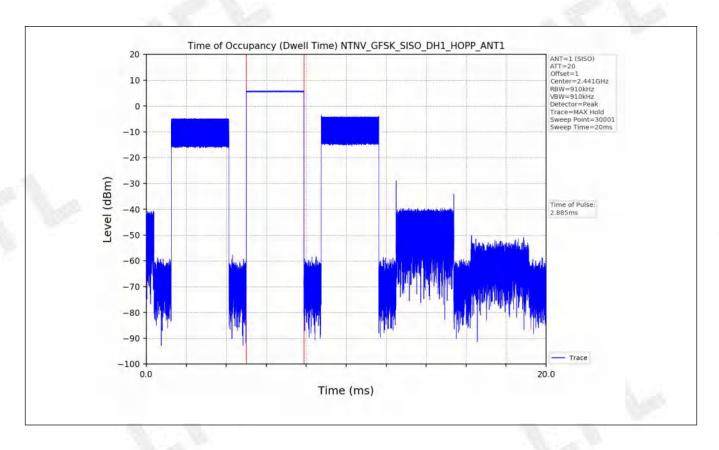


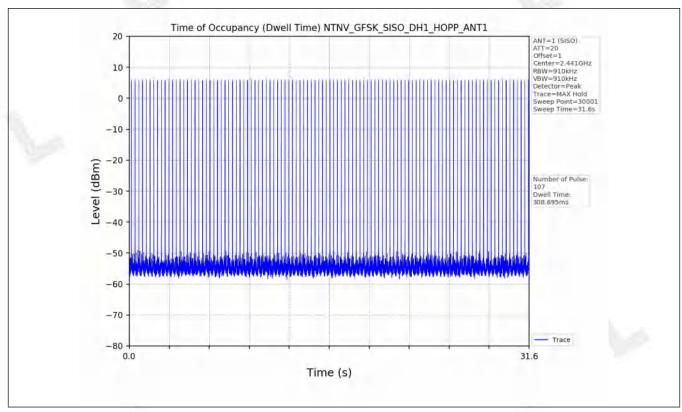


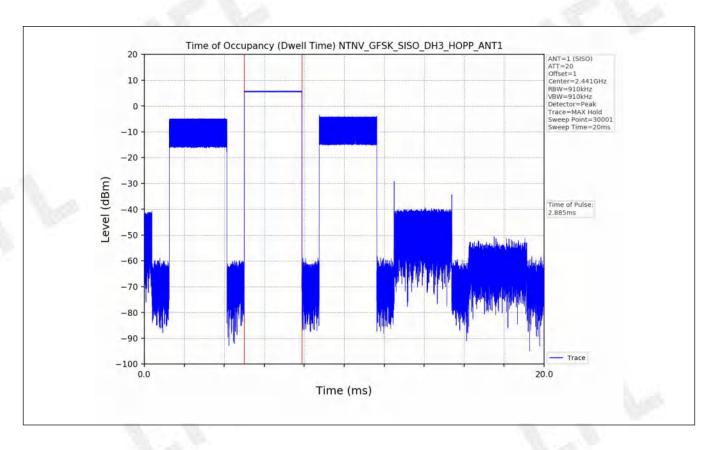
5. Time of Occupancy (Dwell Time)

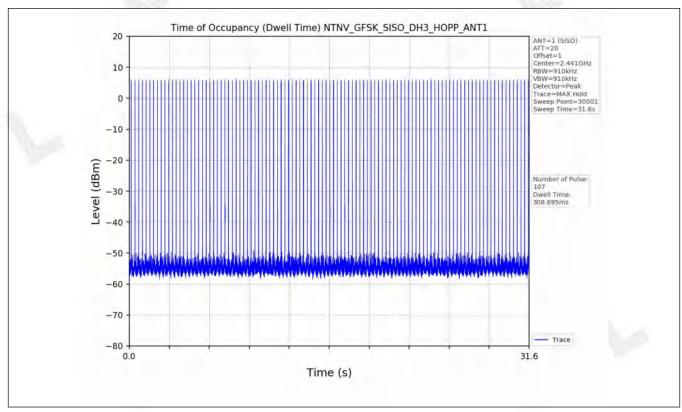
5.1 Test Result

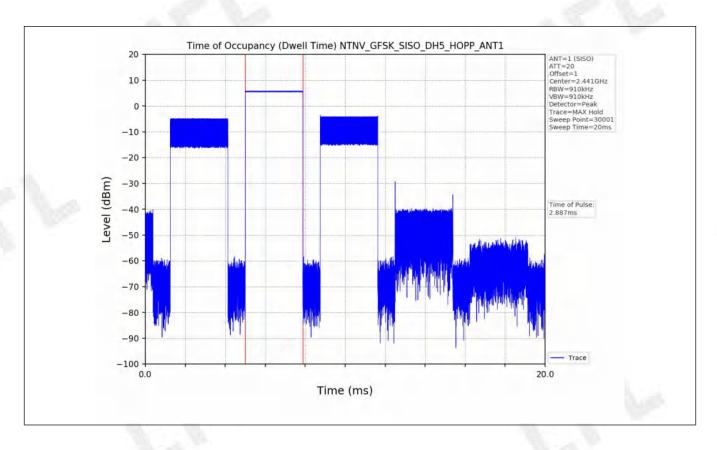
Test Mode	Packet Type	ТХ Туре	ANT No.	Duration of Single Pulse (ms)	Obeservation Period (s)	Num of Pulse in Observation Period	Dwell Time (ms)	Limits (ms)	Verdict
	DH1	SISO	1	2.885	31.6	107	308.695	≤400	PASS
GFSK	DH3	SISO	1	2.885	31.6	107	308.695	≤400	PASS
	DH5	SISO	1	2.887	31.6	107	308.909	≤400	PASS
	2DH1	SISO	1	2.889	31.6	107	309.123	≤400	PASS
Pi/4DQPSK	2DH3	SISO	1	2.889	31.6	107	309.123	≤400	PASS
	2DH5	SISO	1	2.889	31.6	106	306.234	≤400	PASS
	3DH1	SISO	1	2.891	31.6	107	309.337	≤400	PASS
8DPSK	3DH3	SISO	1	2.891	31.6	107	309.337	≤400	PASS
	3DH5	SISO	1	2.891	31.6	106	306.446	≤400	PASS

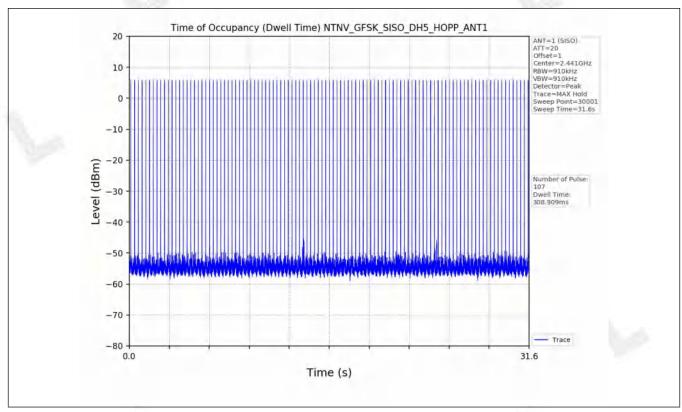


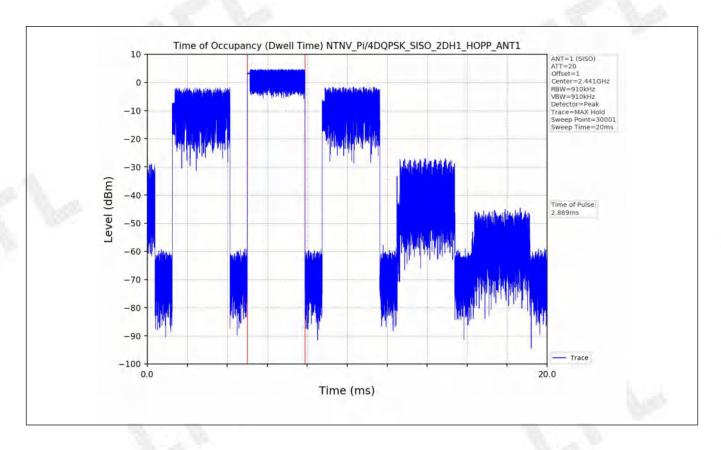


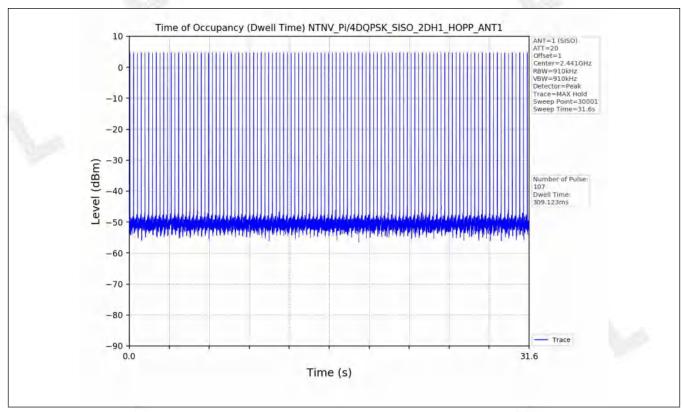


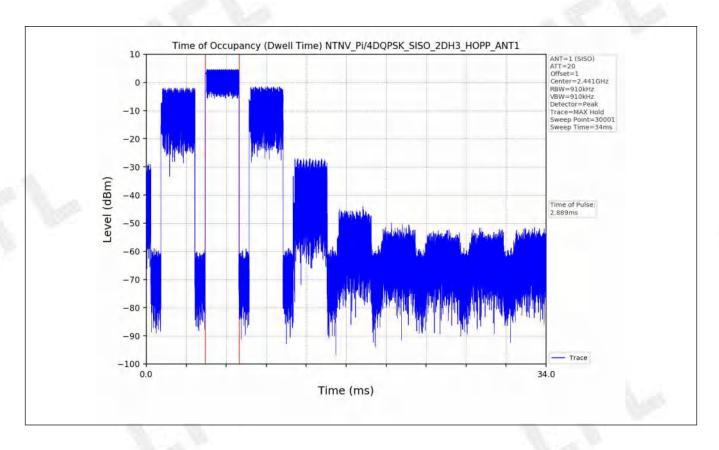


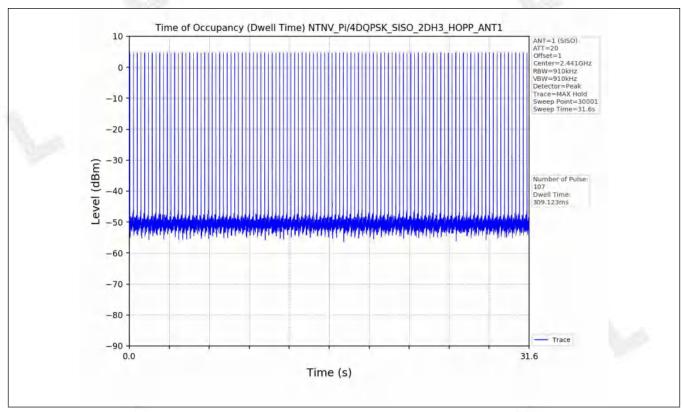


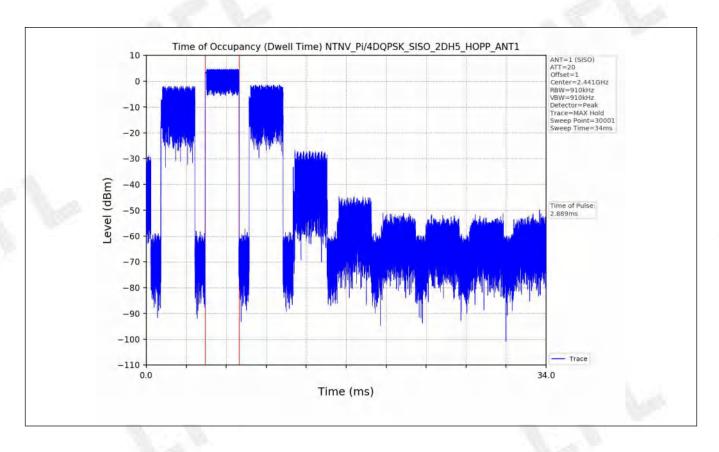


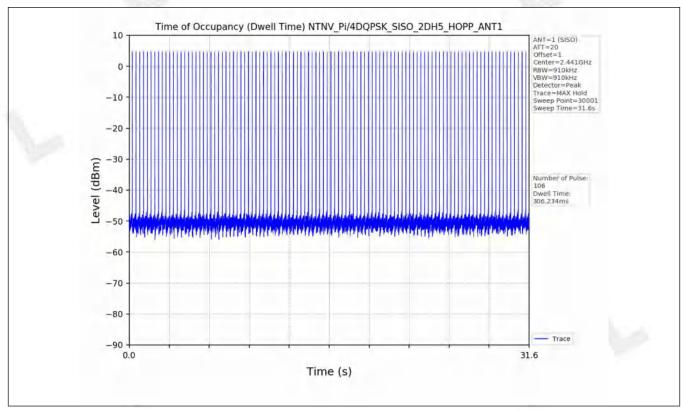


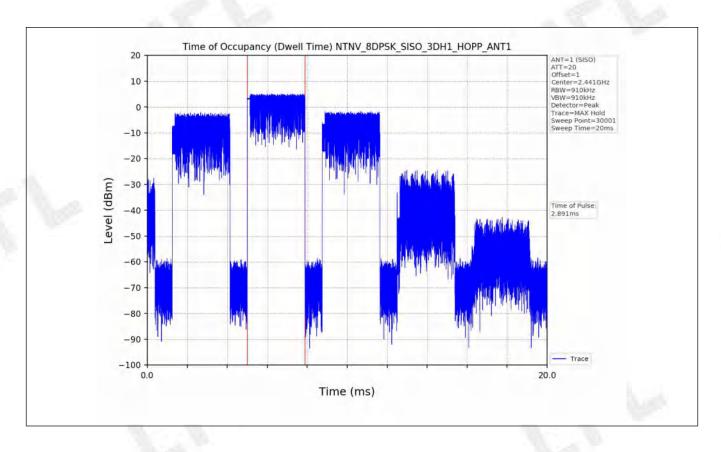


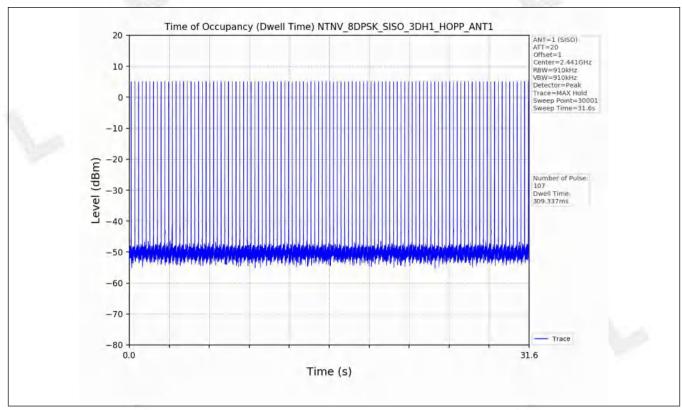


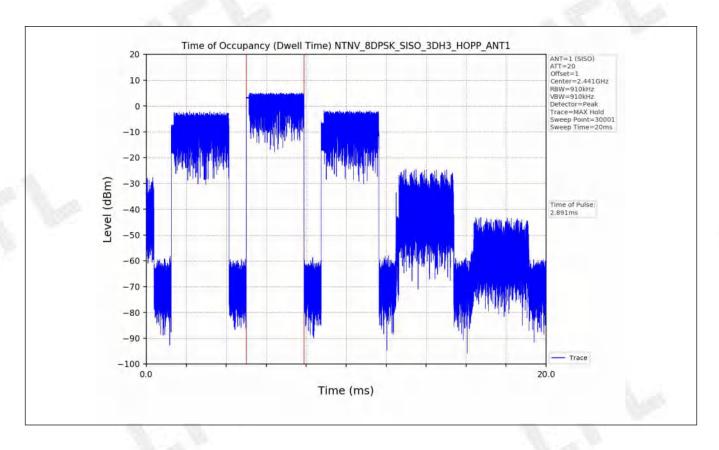


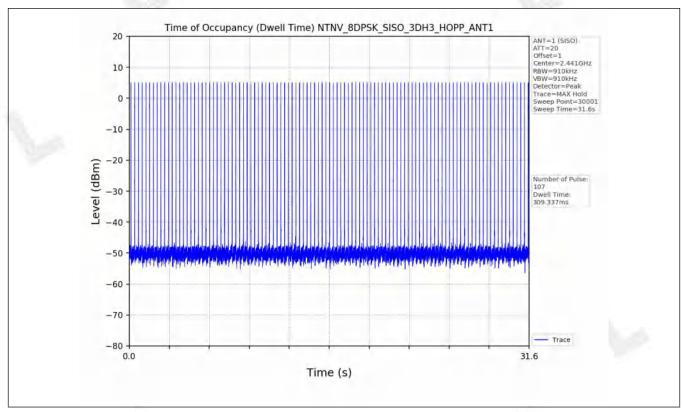


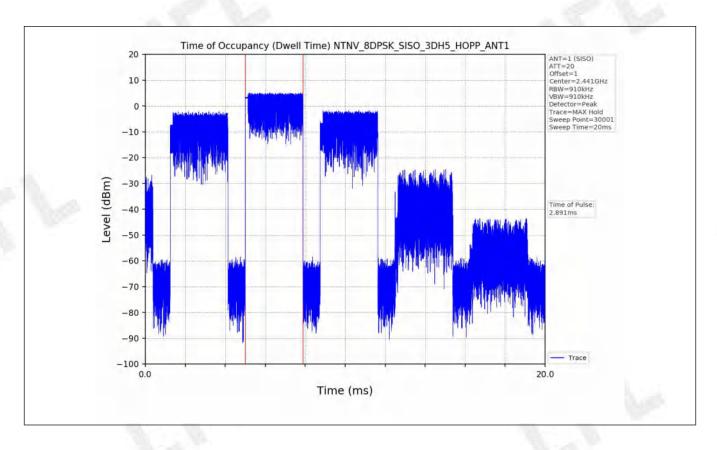


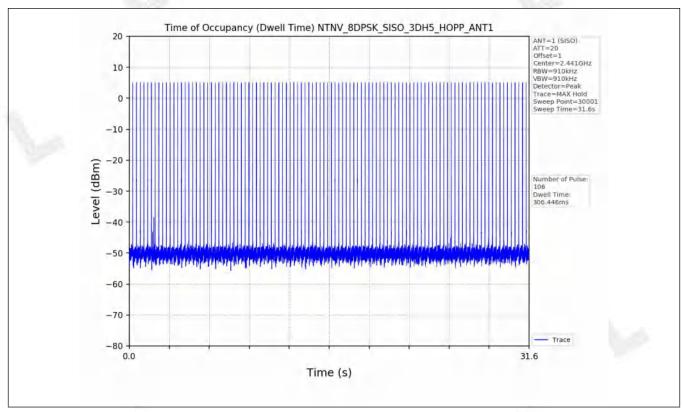












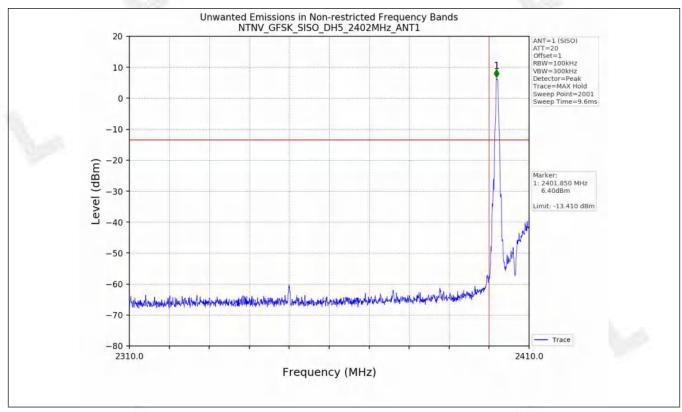
6. Unwanted Emissions in Non-restricted Frequency Bands

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6.1 Test Result

Test Mode	Frequency (MHz)	TX Type	ANT No.	Spurious Conducted Emission (dBm)	Limits (dBm)	Verdict
	2402	SISO	1	Refer to test graph	-13.41	PASS
GFSK	2441	SISO	1	Refer to test graph	-13.41	PASS
GFSK	2480	SISO	1	Refer to test graph	-13.41	PASS
	Hopping	SISO	1	Refer to test graph	-13.41	PASS
	2402	SISO	1	Refer to test graph	-16.57	PASS
	2441	SISO	1	Refer to test graph	-16.57	PASS
Pi/4DQPSK	2480	SISO	1	Refer to test graph	-16.57	PASS
	Hopping	SISO	1	Refer to test graph	-16.57	PASS
	2402	SISO	1	Refer to test graph	-16.56	PASS
8DPSK	2441	SISO	1	Refer to test graph	-16.56	PASS
	2480	SISO	1	Refer to test graph	-16.56	PASS
	Hopping	SISO	1	Refer to test graph	-16.56	PASS





V1.0

