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Appendix 9

Appendix 15.247

1. Bandwidth

1.1 Test Result

1.1 100(11000)							
Test Mode	Frequenc	TX Type	ANT No.	20dB Bandwidth	Verdict		
	y (MHz)			Test Result (MHz)	v 3. diot		
	2402	SISO	1	1.021	PASS		
GFSK	2441	SISO	1	1.021	PASS		
	2480	SISO	1	0.966	PASS		
	2402	SISO	1	1.375	PASS		
Pi/4DQPSK	2441	SISO	1	1.373	PASS		
	2480	SISO	1	1.374	PASS		
	2402	SISO	1	1.356	PASS		
8DPSK	2441	SISO	1	1.355	PASS		
	2480	SISO	1	1.354	PASS		



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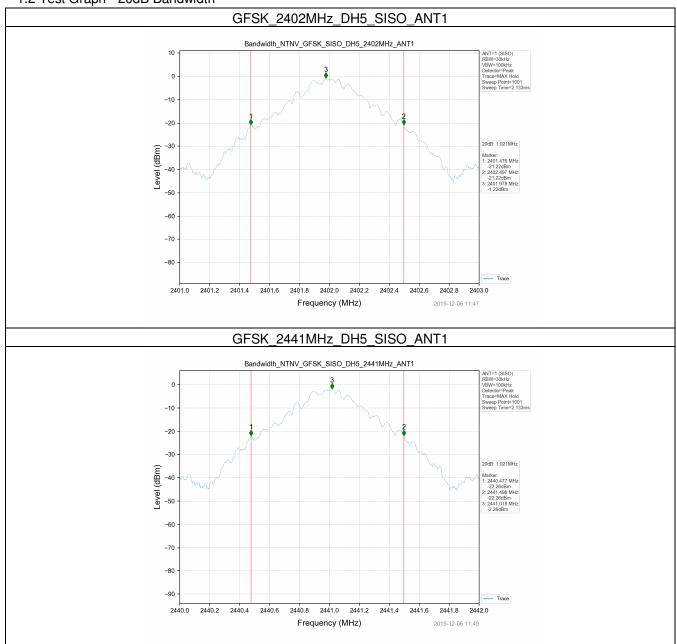
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1.2 Test Graph - 20dB Bandwidth





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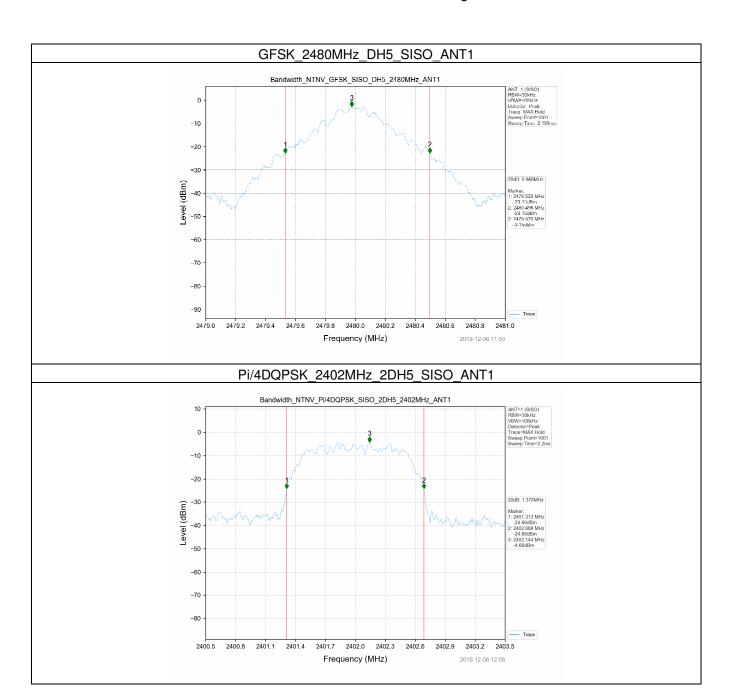
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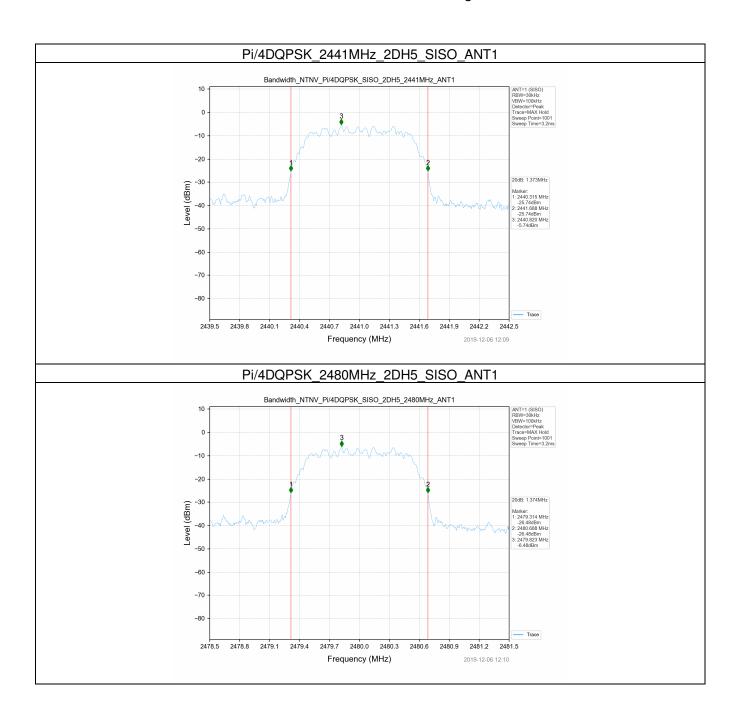
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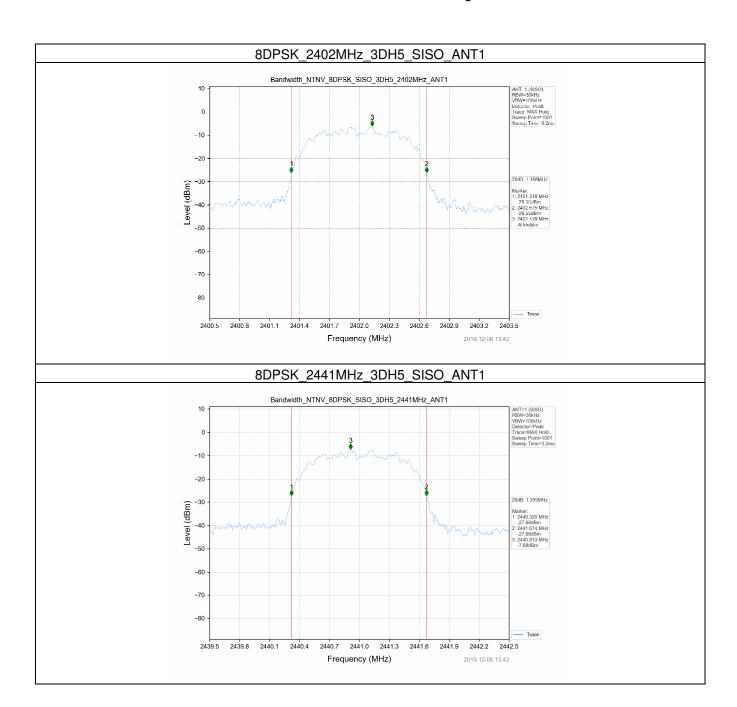
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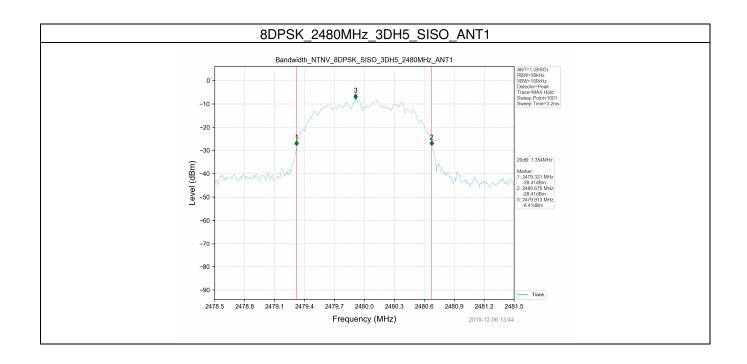
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2. Maximum Conducted Output Power

2.1 Test Result

Test Mode Freque y (MHz		Тх Туре	Measured Peak Output Power (dBm) Ant 1	Limits (dBm)	Verdict
	2402	SISO	1.52	≤20.97	PASS
GFSK	2441	SISO	0.51	≤20.97	PASS
	2480	SISO	-0.40	≤20.97	PASS
	2402	SISO	4.11	≤20.97	PASS
Pi/4DQPSK	2441	SISO	3.07	≤20.97	PASS
	2480	SISO	2.46	≤20.97	PASS
	2402	SISO	2.12	≤20.97	PASS
8DPSK	2441	SISO	1.09	≤20.97	PASS
	2480	SISO	0.43	≤20.97	PASS



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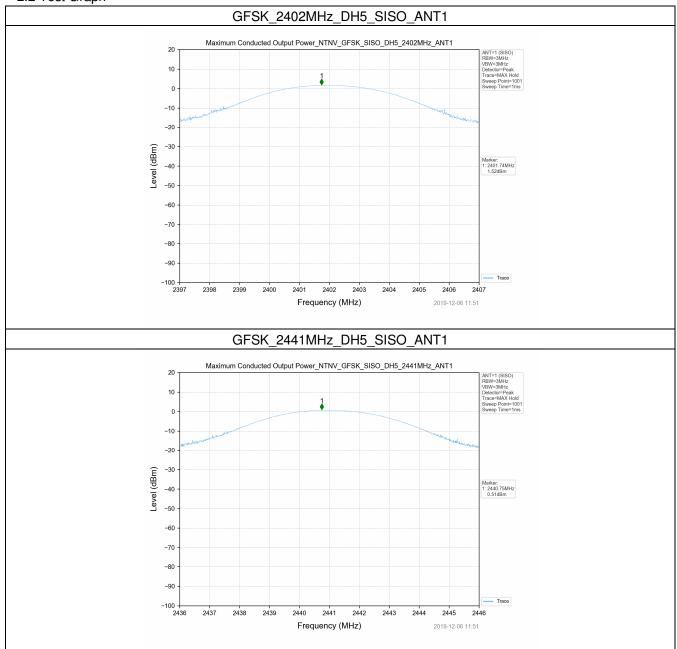
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2.2 Test Graph





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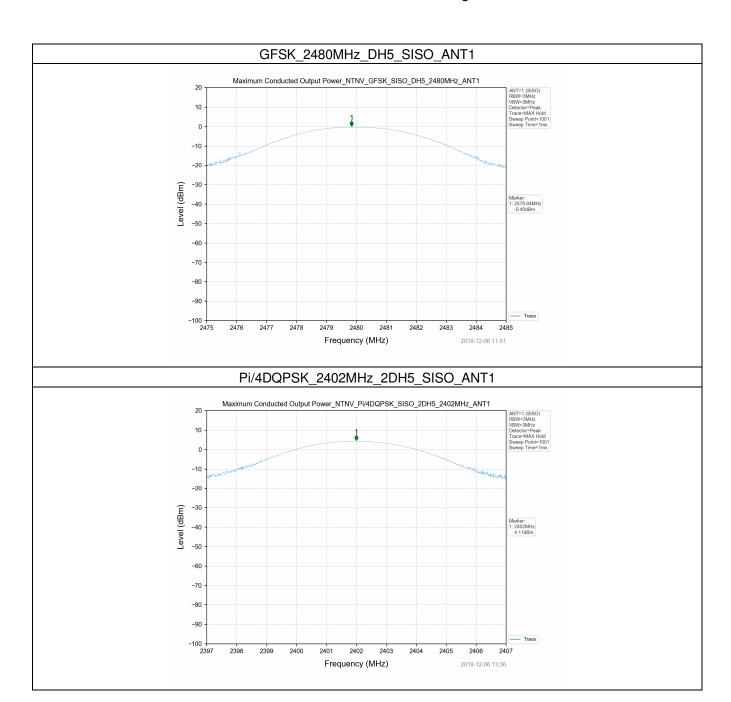
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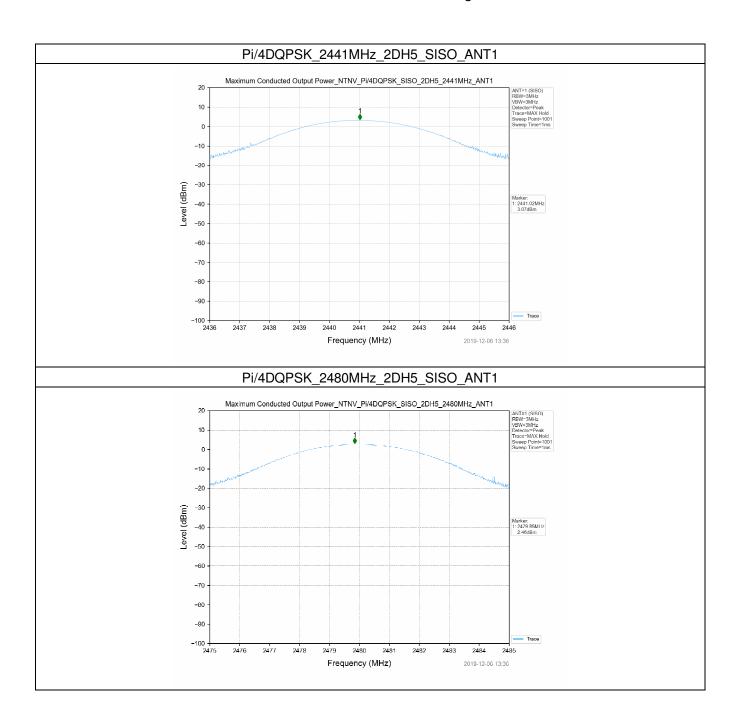
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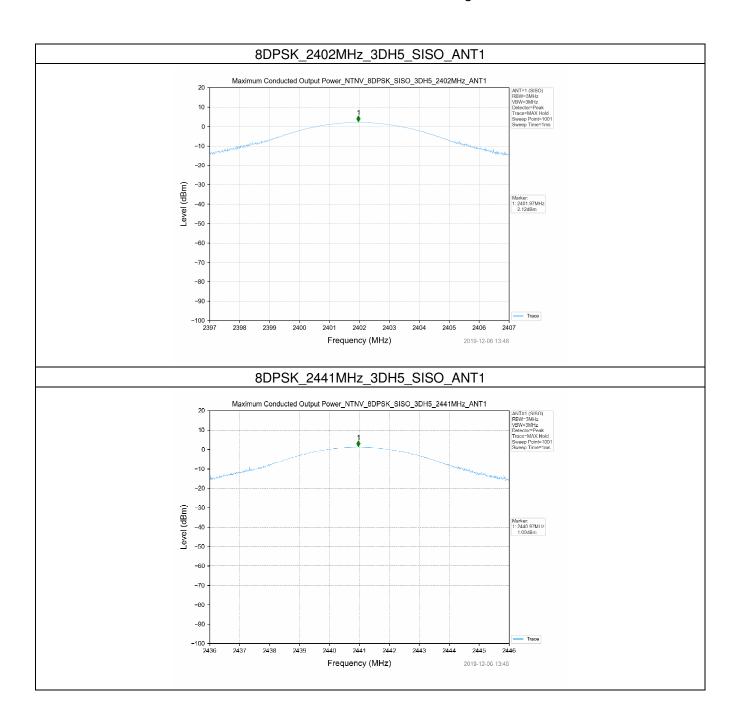
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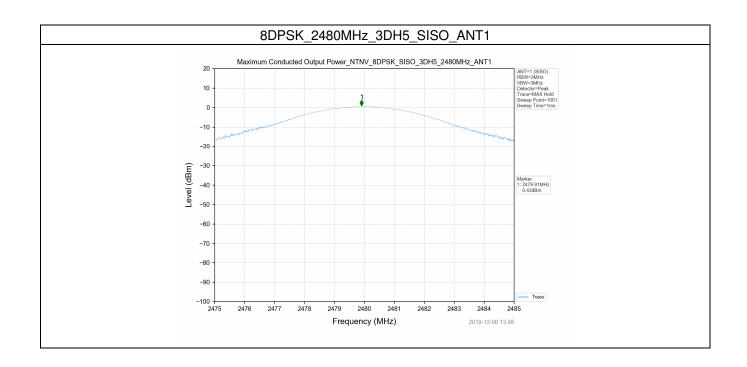
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3. Carrier frequency separation

3.1 Test Result

Test Mode	ТХ Туре	ANT No.	Channel Separation (MHz)	20dB Bandwidth (MHz)	Limits (MHz)	Verdict
GFSK	SISO	1	1.008	1.021	≥0.681	PASS
Pi/4DQPSK	SISO	1	0.975	1.375	≥0.917	PASS
8DPSK	SISO	1	1.011	1.356	≥0.904	PASS



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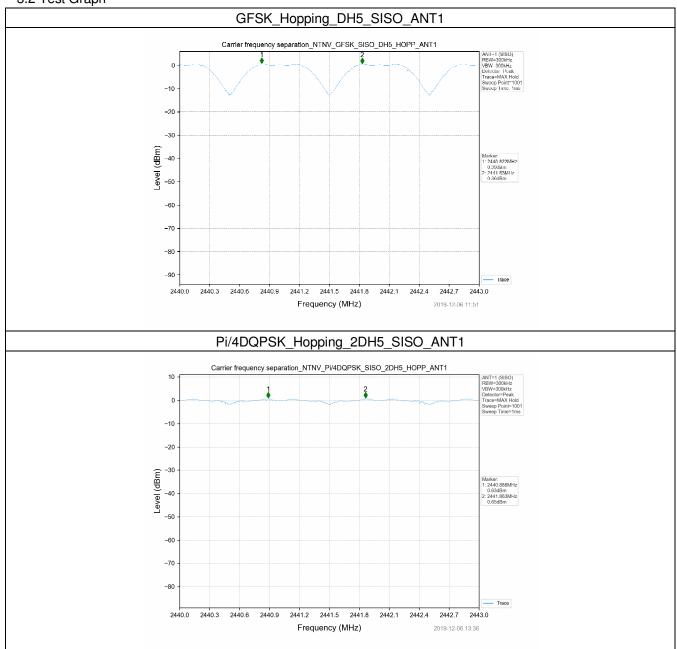
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3.2 Test Graph





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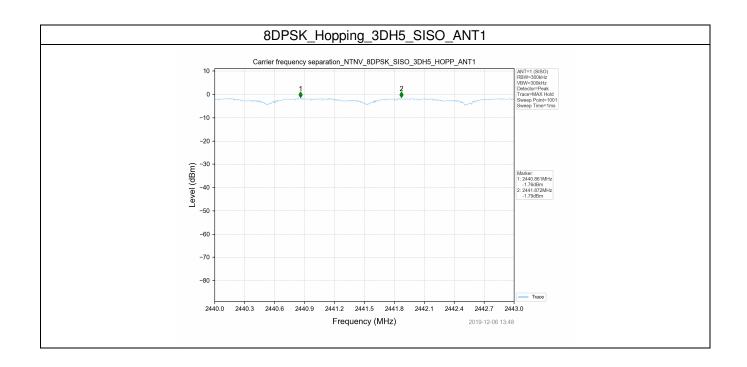
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4. Number of hopping frequencies

4.1 Test Result

Test Mode	ТХ Туре	ANT No.	Num of Hopping Frequencies	Limits	Verdict
GFSK	SISO	1	79	≥15	PASS
Pi/4DQPS K	SISO	1	79	≥15	PASS
8DPSK	SISO	1	79	≥15	PASS



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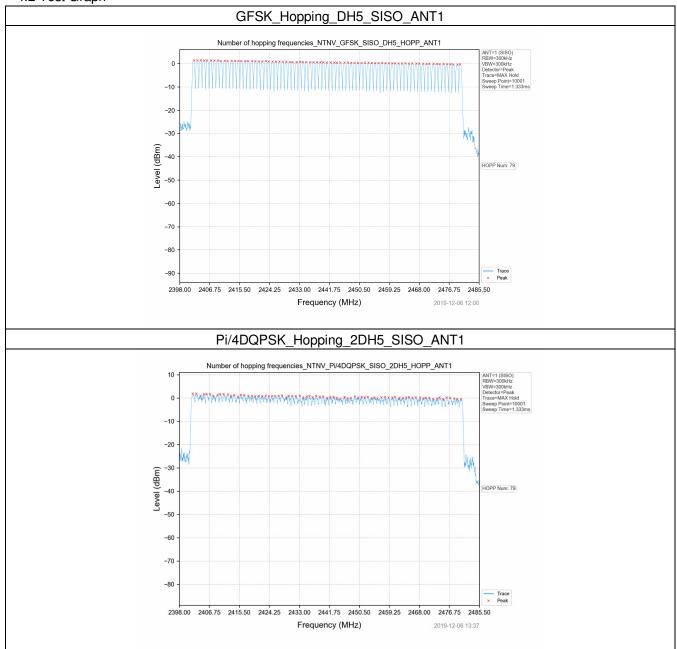
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4.2 Test Graph





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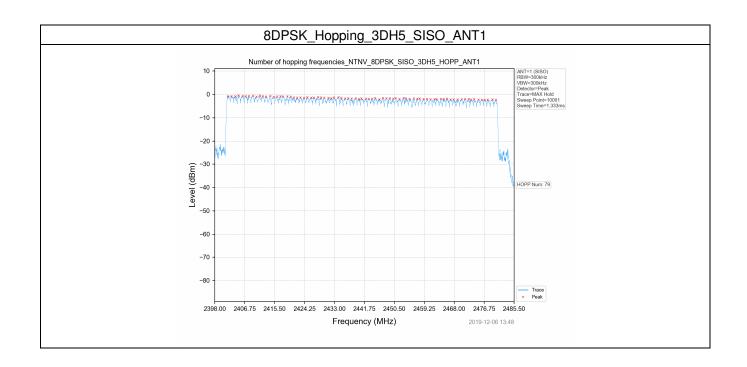
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5. Time of occupancy (dwell time)

5.1 Test Result

Test Mod e	Packet Type	TX Type	ANT No.	Duration of Single Pulse (ms)	Obese rvation Period (s)	Num of Pulse in Observatio n Period	Dwell Time (ms)	Limits (ms)	Verdict
050	DH1	SISO	1	0.405	31.6	373	151.065	≤400	PASS
GFS K	DH3	SISO	1	1.677	31.6	169	283.413	≤400	PASS
	DH5	SISO	1	2.892	31.6	109	315.228	≤400	PASS
Pi/4D	2DH1	SISO	1	0.404	31.6	364	147.056	≤400	PASS
QPS	2DH3	SISO	1	1.652	31.6	166	274.232	≤400	PASS
K	2DH5	SISO	1	2.938	31.6	107	314.366	≤400	PASS
000	3DH1	SISO	1	0.404	31.6	373	150.692	≤400	PASS
8DP SK	3DH3	SISO	1	1.689	31.6	170	287.130	≤400	PASS
JIV.	3DH5	SISO	1	2.909	31.6	110	319.990	≤400	PASS



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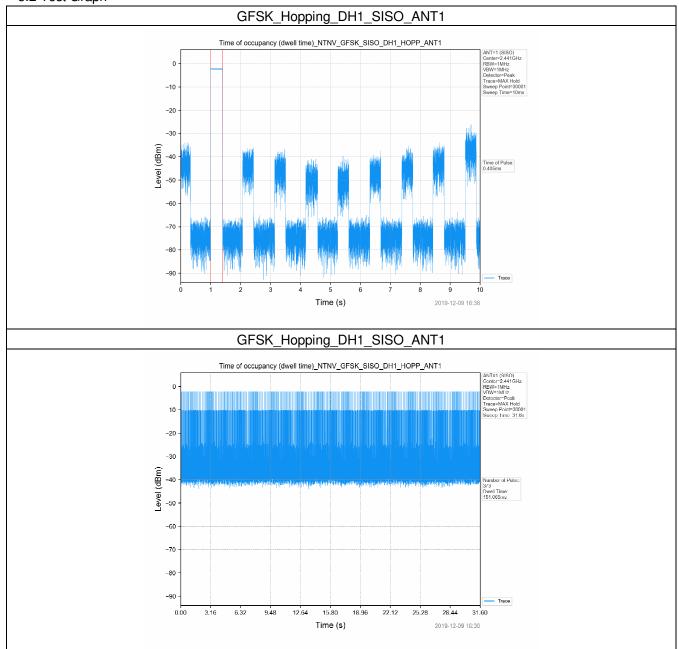
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5.2 Test Graph





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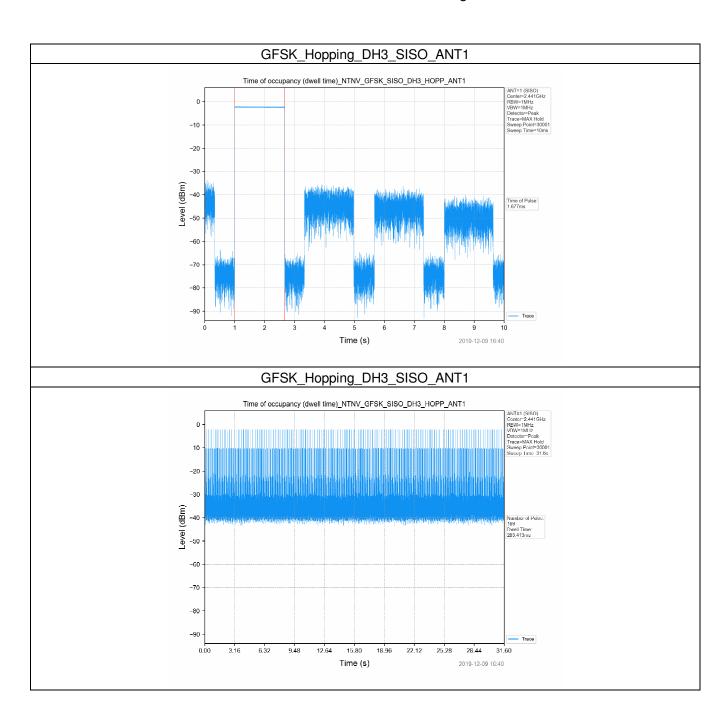
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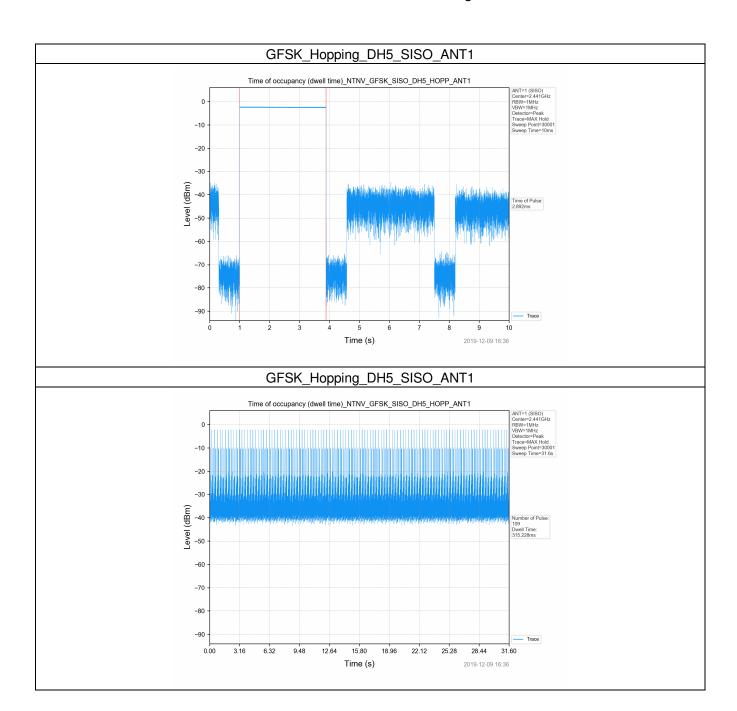
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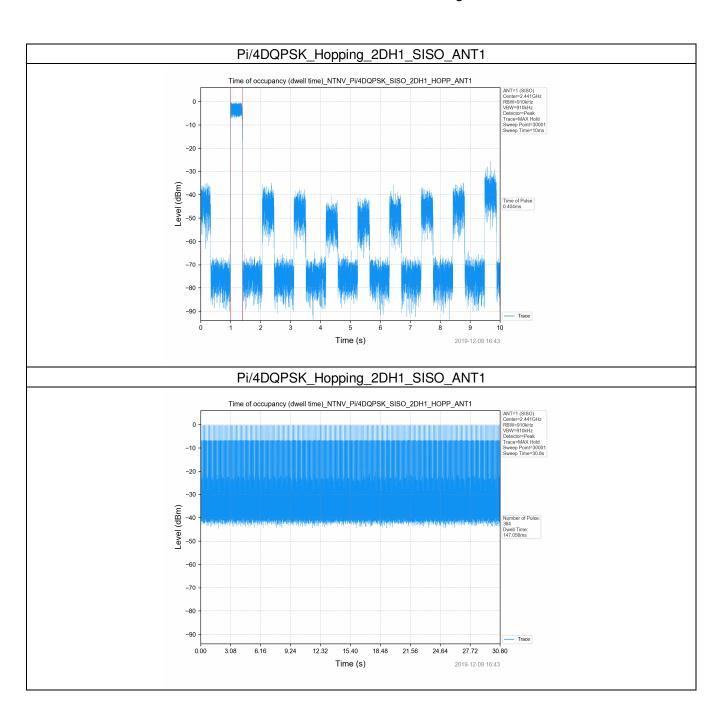
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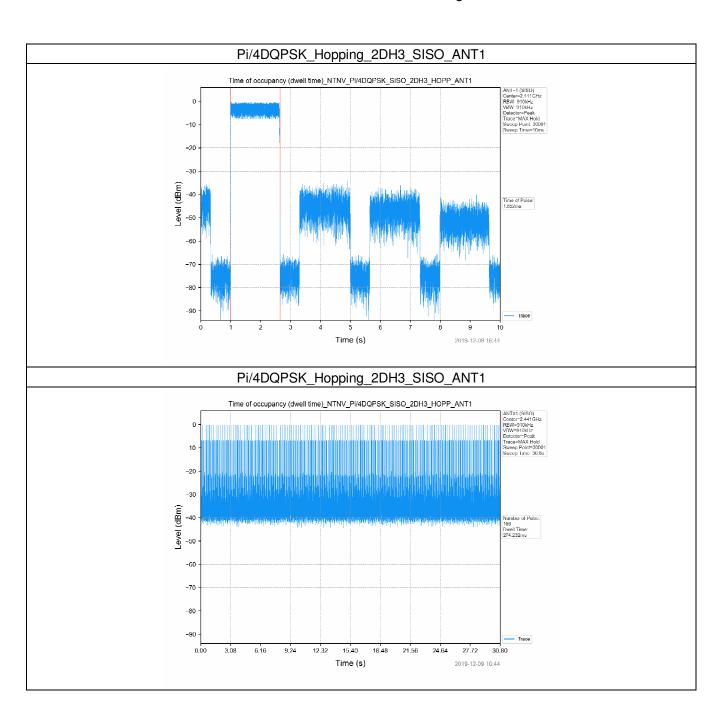
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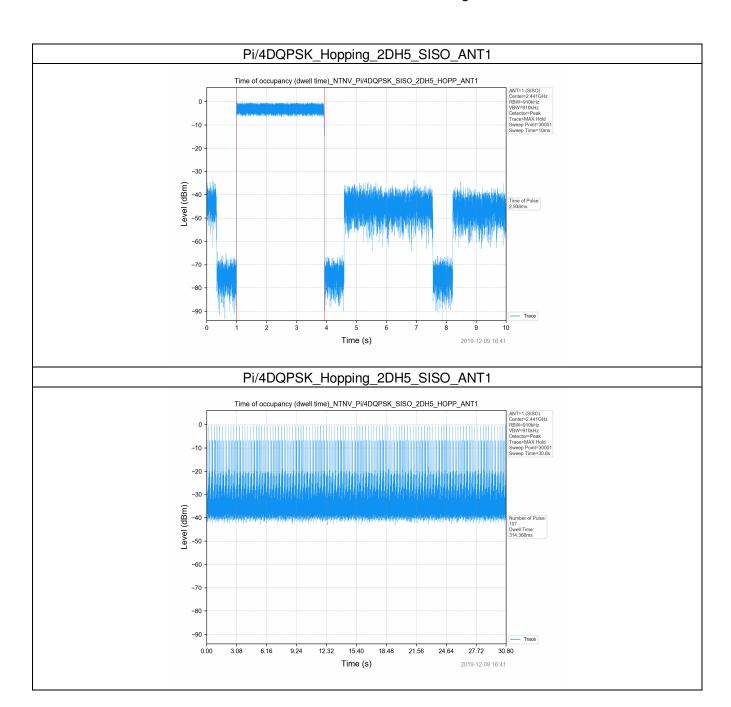
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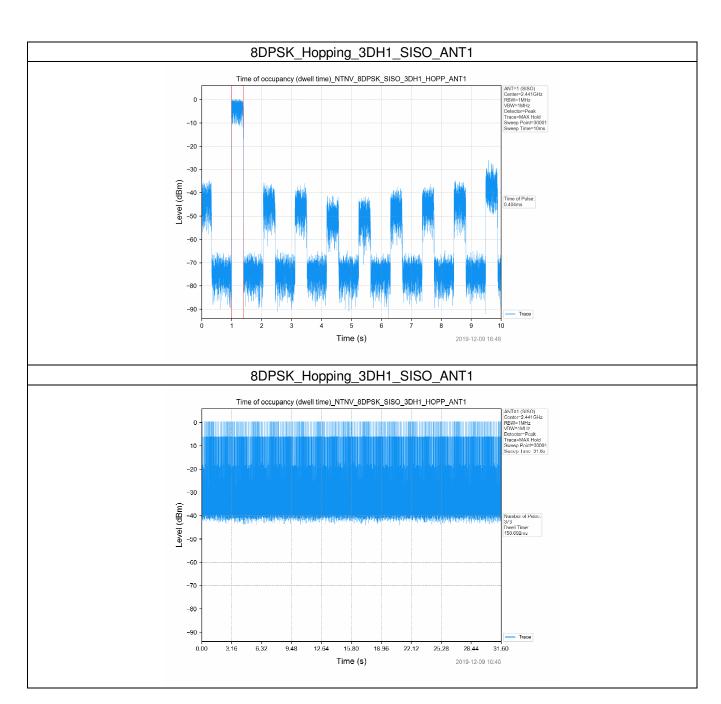
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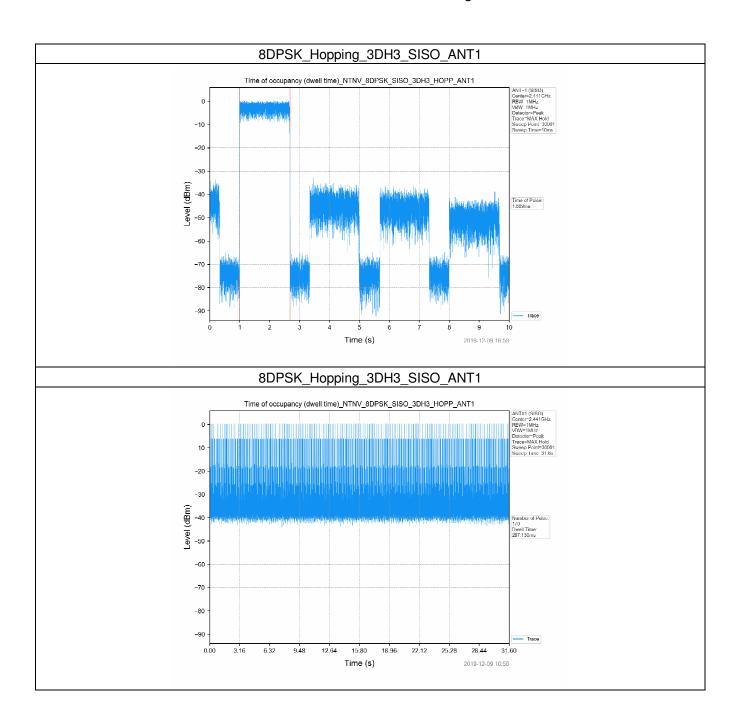
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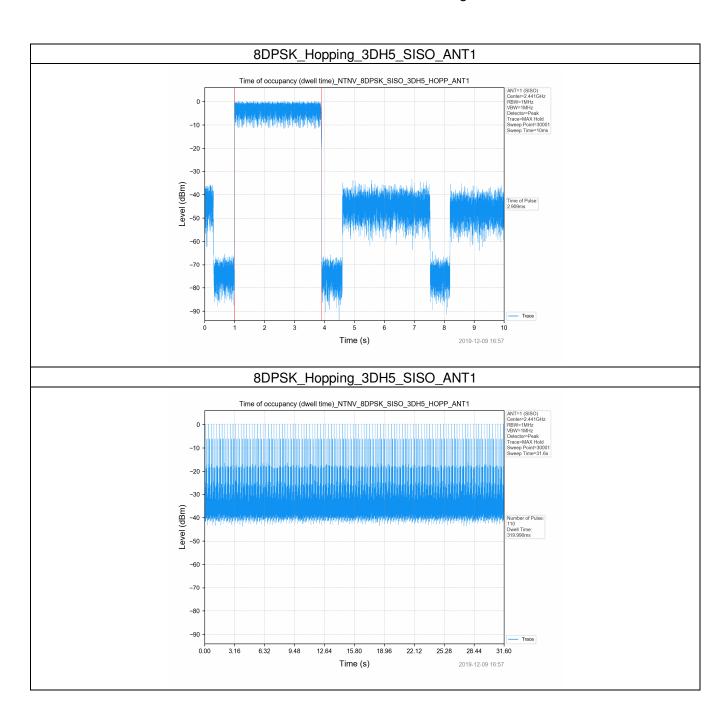
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6. Unwanted Emissions in Non-restricted Frequency Bands

6.1 Test Result

Test Mode	Frequenc y (MHz)	TX Type	ANT No.	Spurious Conducted Emission (dBc)	Limits (dBc)	Verdict
	2402	SISO	1	Refer to test graph	≤-20	PASS
GFSK	2441	SISO	1	Refer to test graph	≤-20	PASS
GFSK	2480	SISO	1	Refer to test graph	≤-20	PASS
	Hopping	SISO	1	Refer to test graph	≤-20	PASS
	2402	SISO	1	Refer to test graph	≤-20	PASS
Pi/4DQPSK	2441	SISO	1	Refer to test graph	≤-20	PASS
PI/4DQPSK	2480	SISO	1	Refer to test graph	≤-20	PASS
	Hopping	SISO	1	Refer to test graph	≤-20	PASS
8DPSK	2402	SISO	1	Refer to test graph	≤-20	PASS
	2441	SISO	1	Refer to test graph	≤-20	PASS
	2480	SISO	1	Refer to test graph	≤-20	PASS
	Hopping	SISO	1	Refer to test graph	≤-20	PASS



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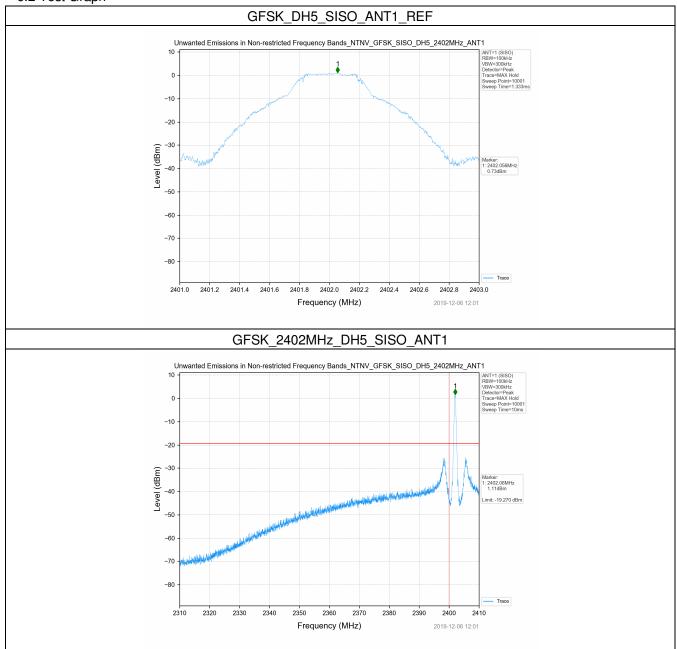
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6.2 Test Graph





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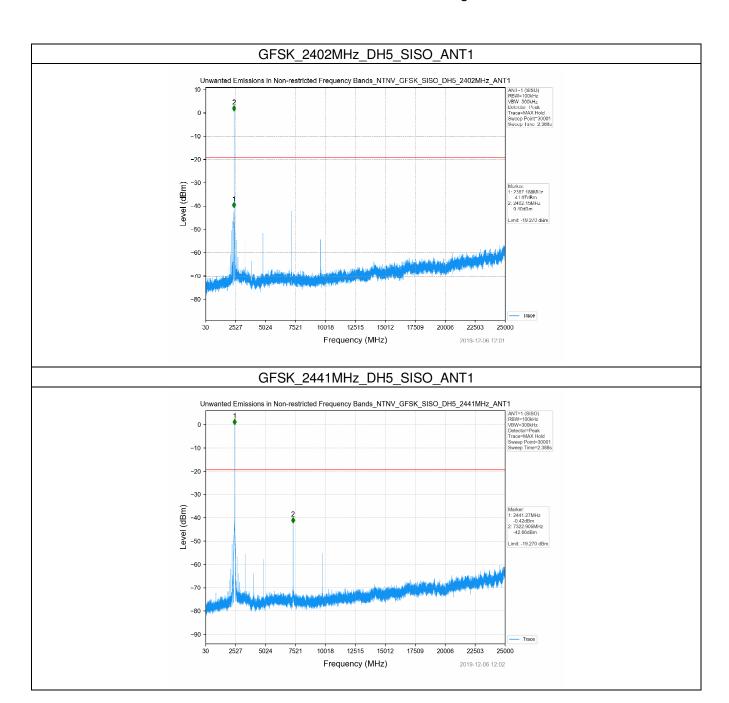
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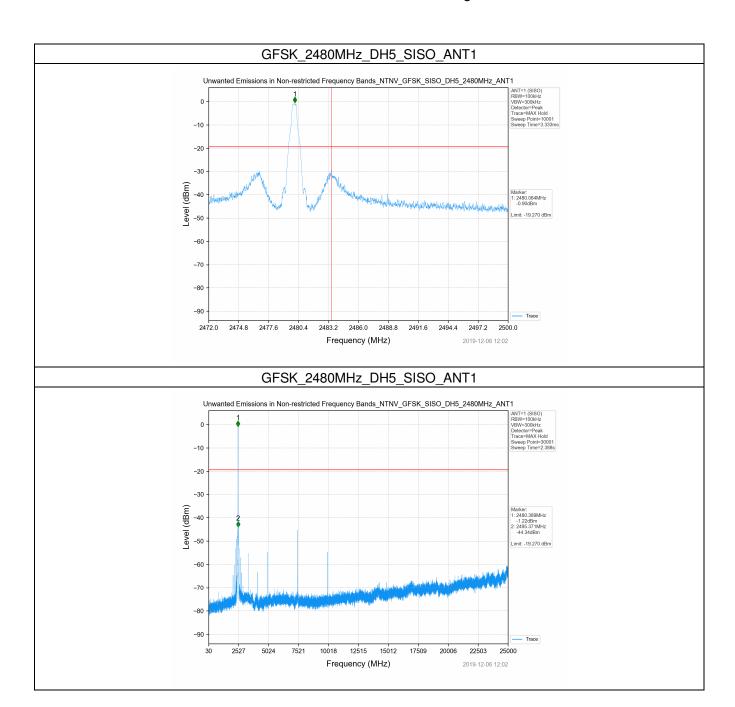
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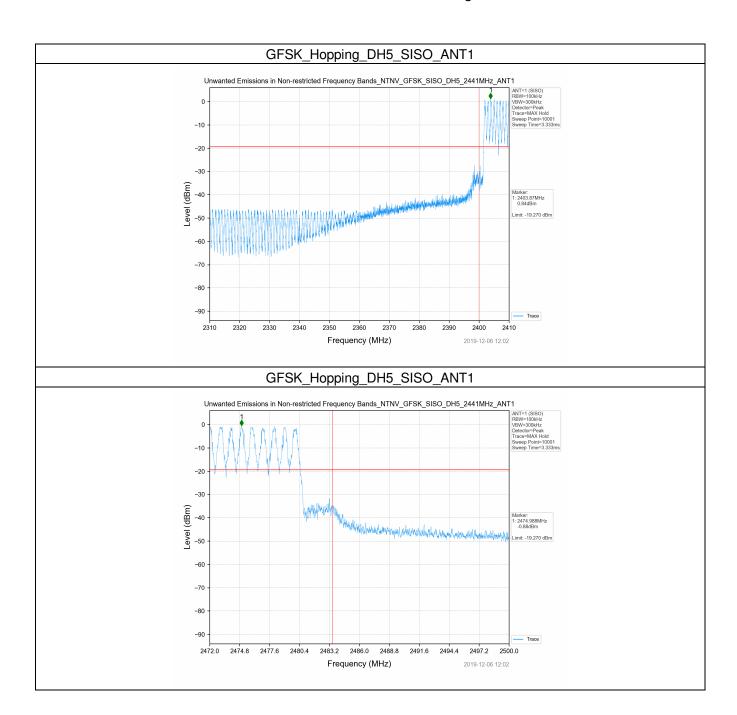
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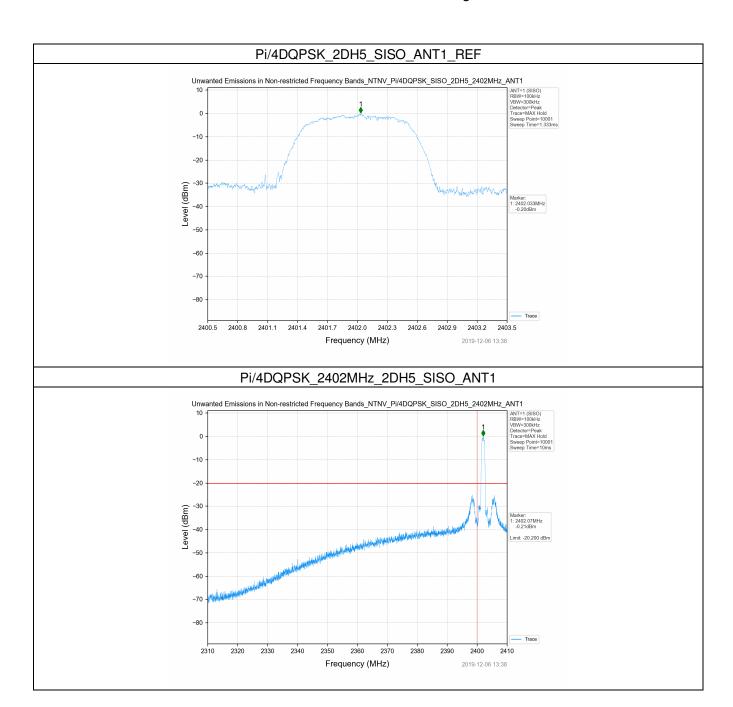
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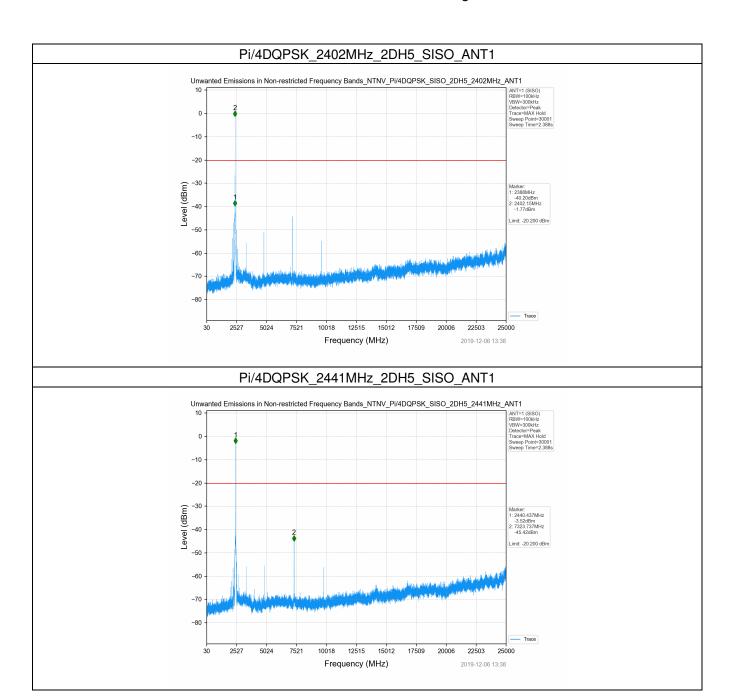
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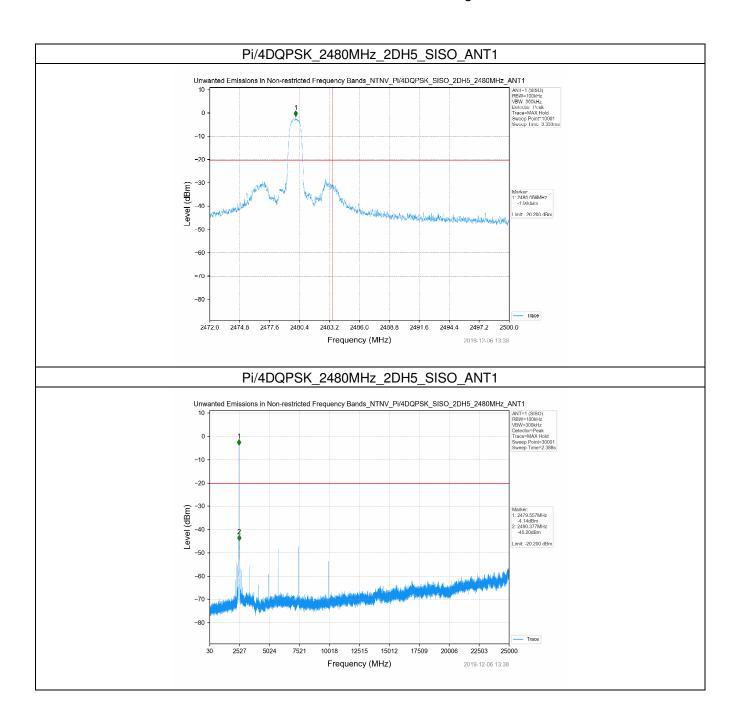
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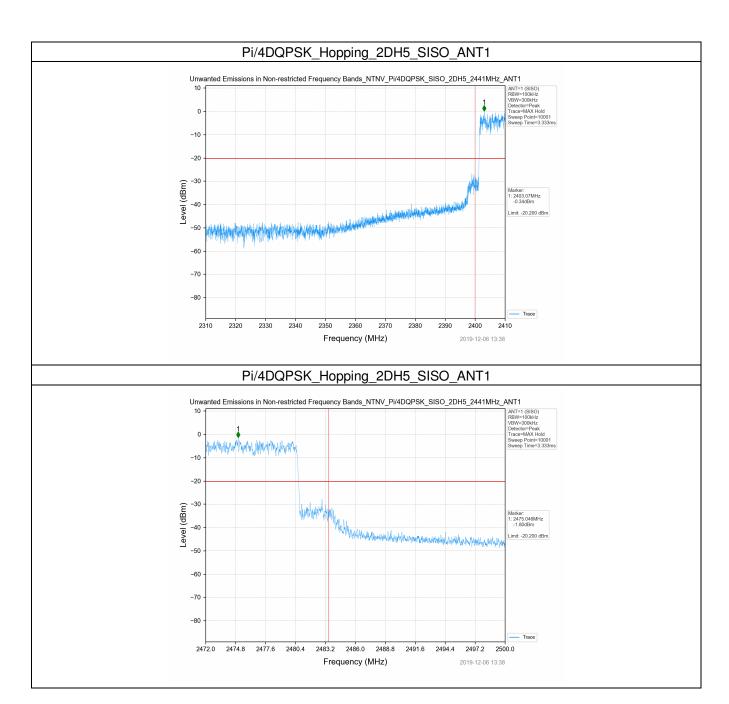
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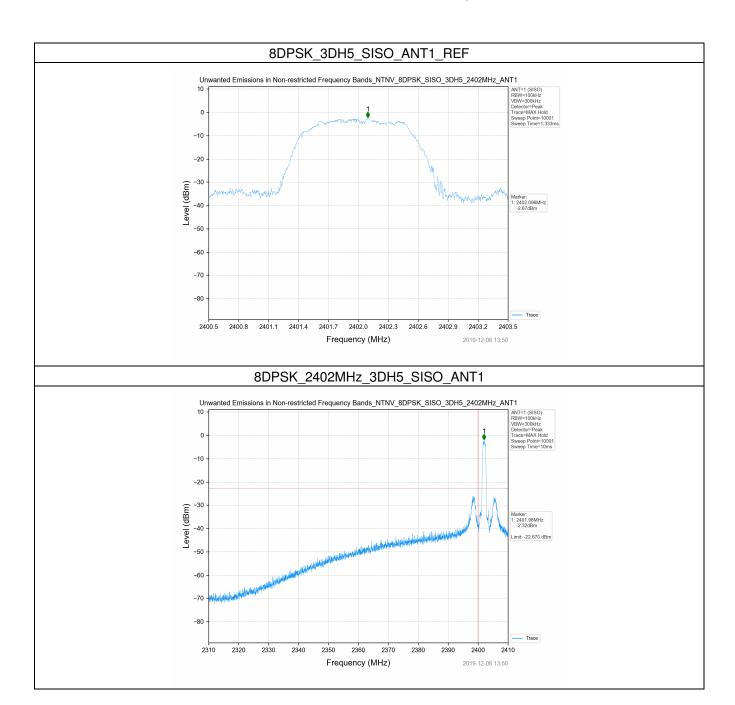
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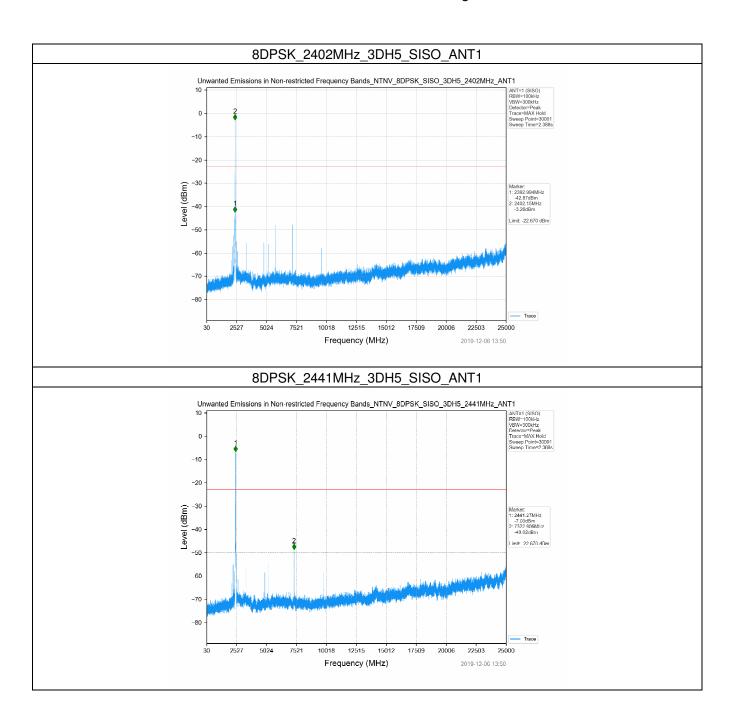
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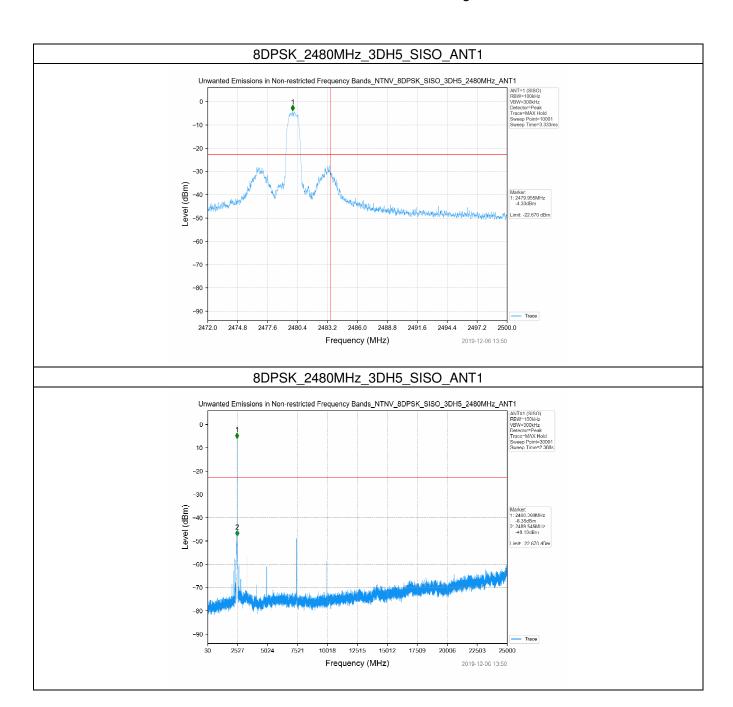
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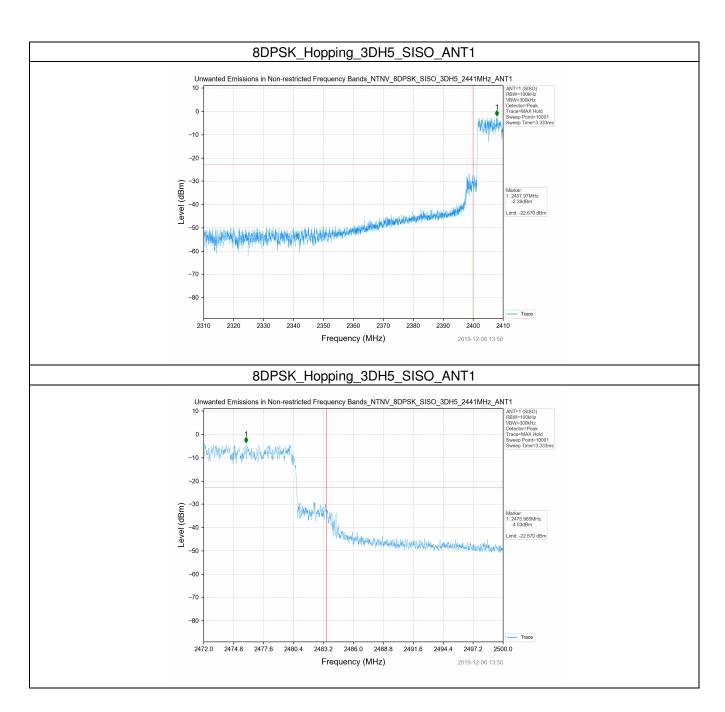
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