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10 Appendix

1. Bandwidth

1.1 20dB BW

1.1.1 Test Result

Mode	TX	Frequency	Packet	ANT	20dB Bandwidth (MHz)	Verdict
	Type	(MHz)	Type		Result	verdict
		2402	DH5	1	0.956	Pass
GFSK	SISO	2441	DH5	1	0.956	Pass
		2480	DH5	1	0.955	Pass
	SISO	2402	2DH5	1	1.284	Pass
Pi/4DQPSK		2441	2DH5	1	1.284	Pass
		2480	2DH5	1	1.284	Pass
8DPSK	SISO	2402	3DH5	1	1.309	Pass
		2441	3DH5	1	1.309	Pass
		2480	3DH5	1	1.310	Pass



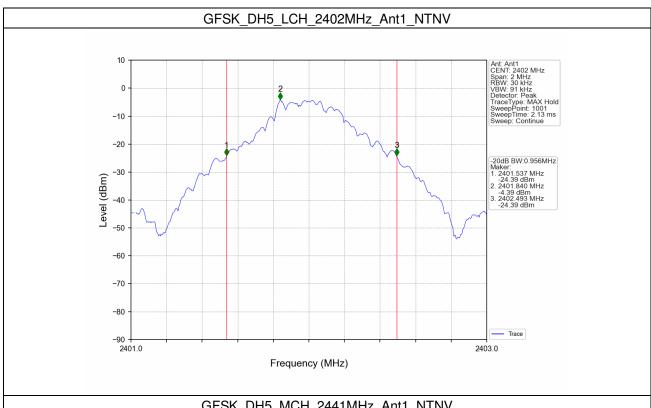


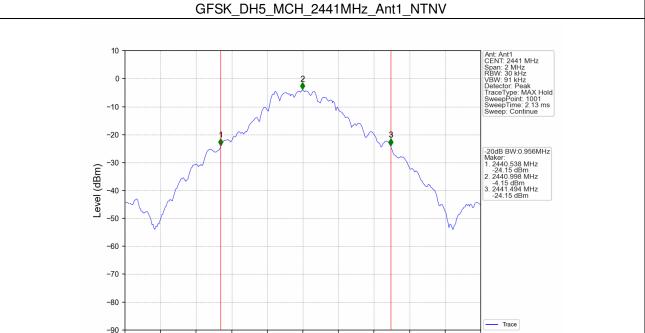
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1.1.2 Test Graph





Frequency (MHz)



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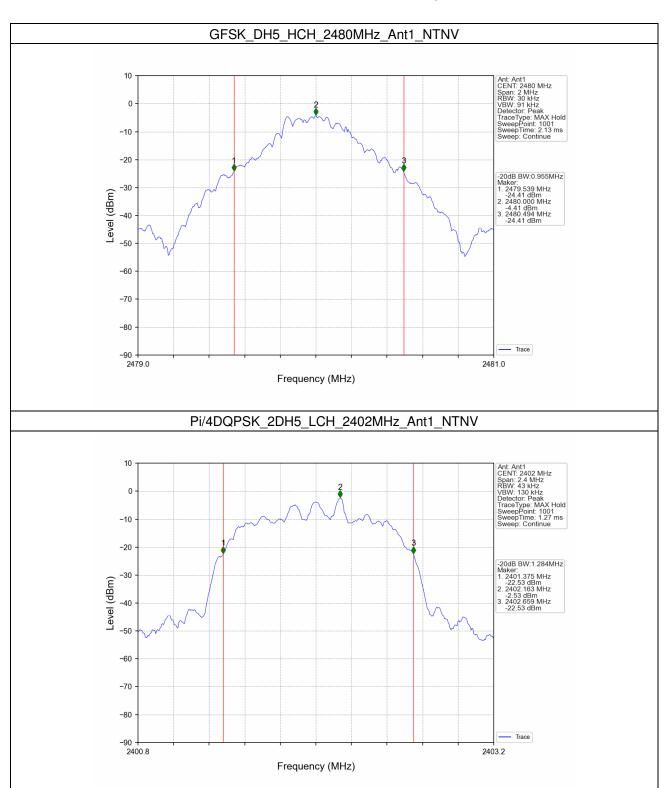
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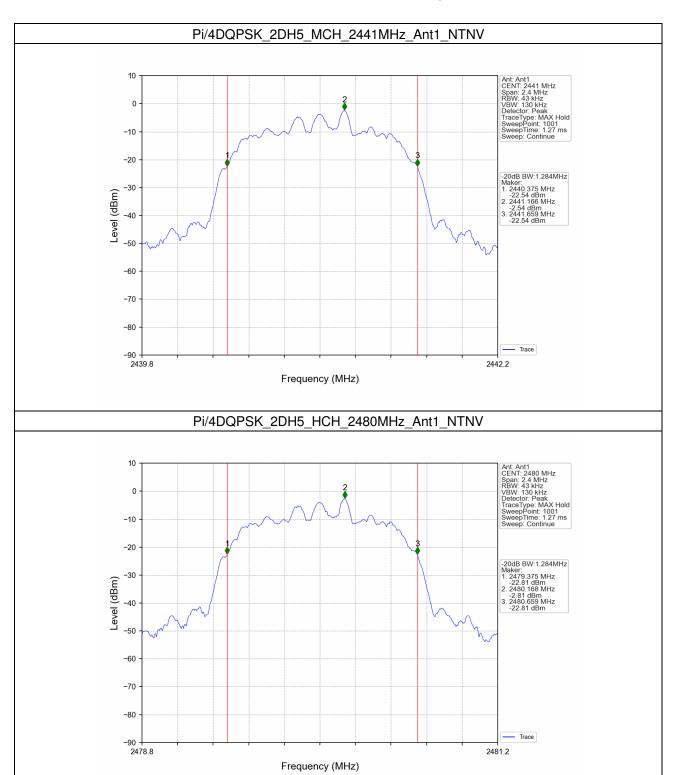
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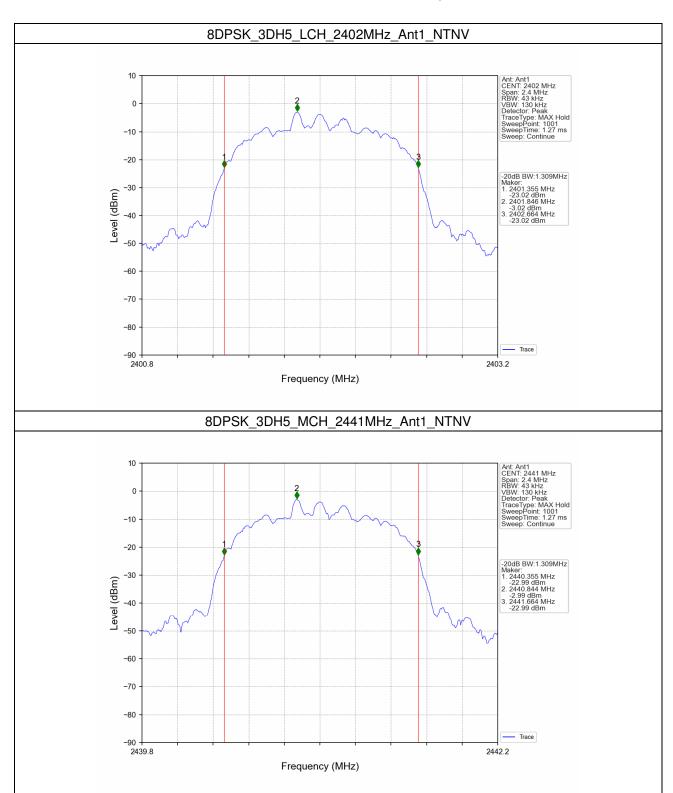
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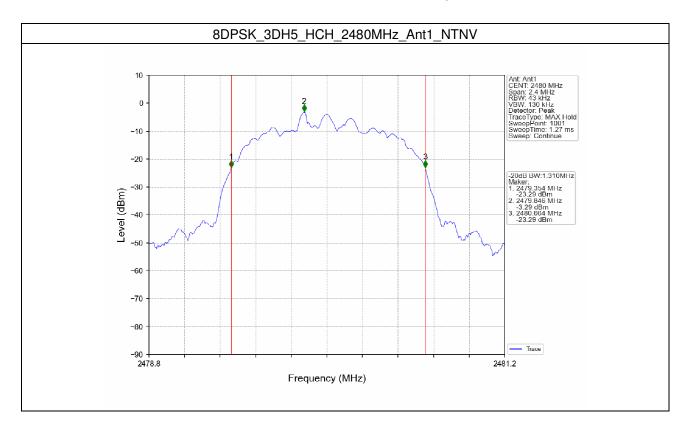
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2. Maximum Conducted Output Power

2.1 Power

2.1.1 Test Result

Mode	TX	' '	Packet		Maximum Peak Conducted Output Power (dBm)		
	Type	(MHz)	Type	ANT1	Limit		
		2402	DH5	-1.85	<=30	Pass	
GFSK	SISO	2441	DH5	-1.83	<=30	Pass	
		2480	DH5	-2.09	<=30	Pass	
	SISO	2402	2DH5	-0.93	<=20.97	Pass	
Pi/4DQPSK		2441	2DH5	-0.94	<=20.97	Pass	
		2480	2DH5	-1.17	<=20.97	Pass	
	SISO	2402	3DH5	-0.52	<=20.97	Pass	
8DPSK		2441	3DH5	-0.51	<=20.97	Pass	
		2480	3DH5	-0.77	<=20.97	Pass	
Note1: Antenna Gain: Ant1: 1.22 dBi;							



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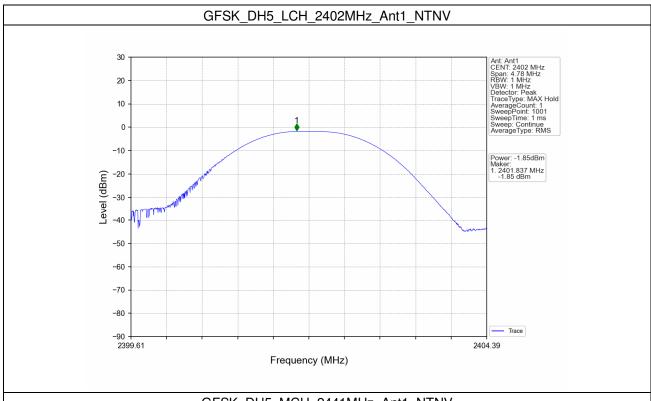


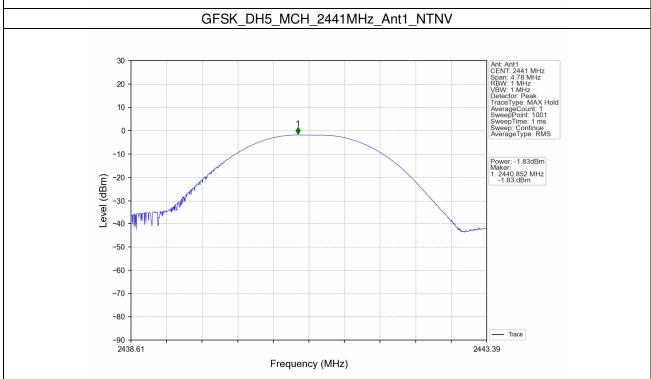
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2.1.2 Test Graph







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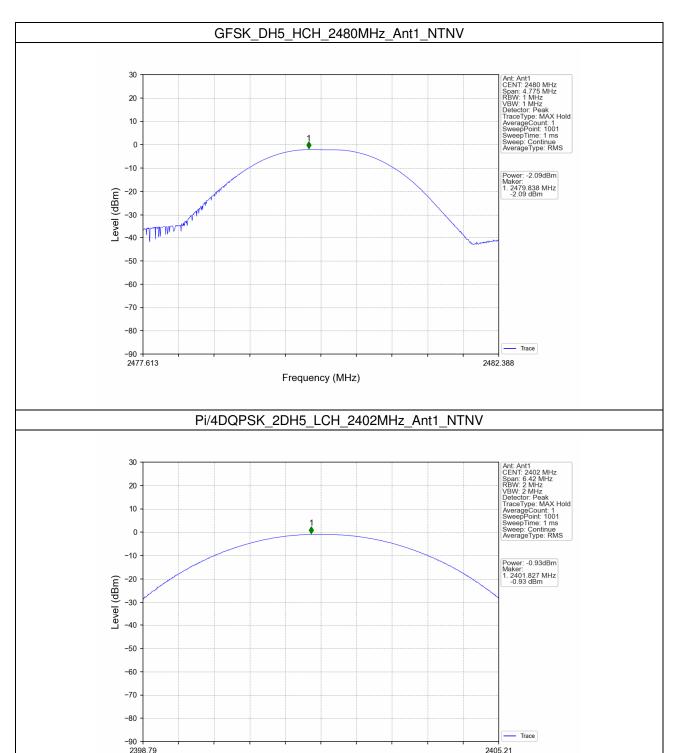
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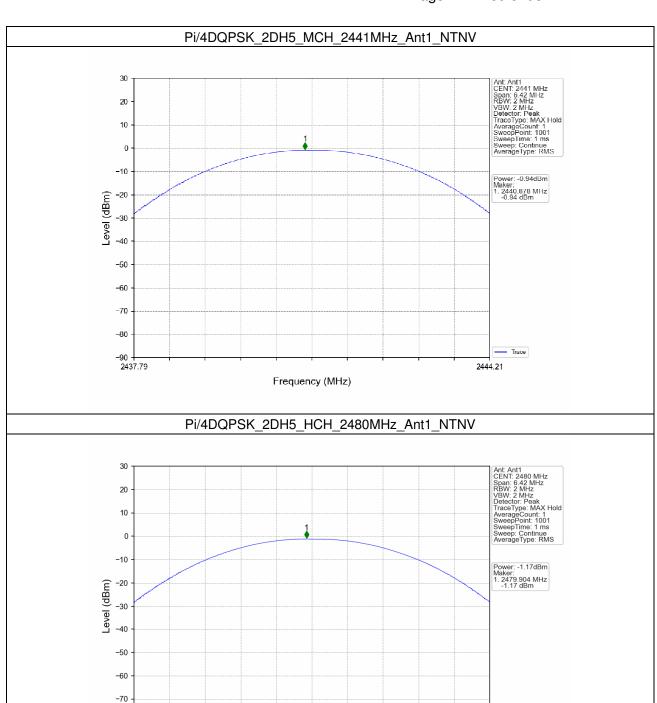
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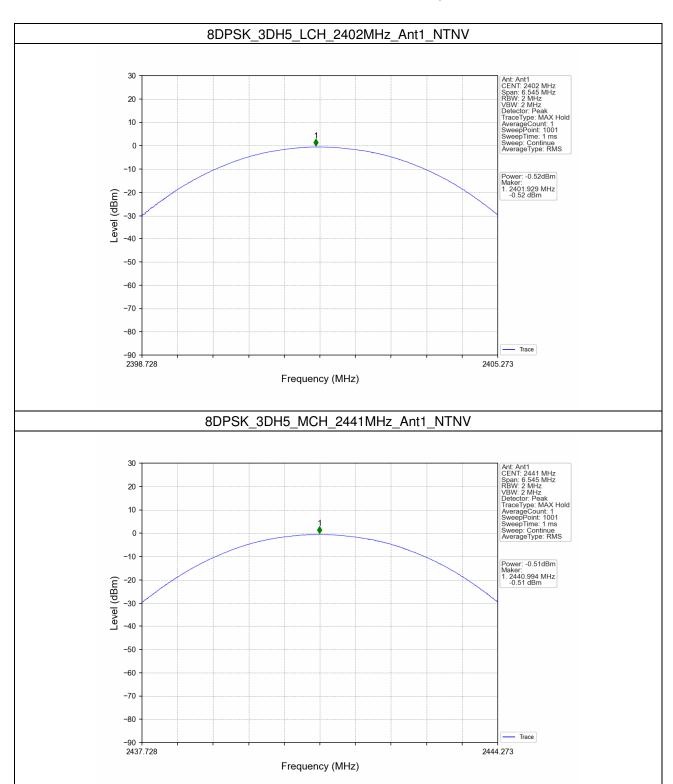
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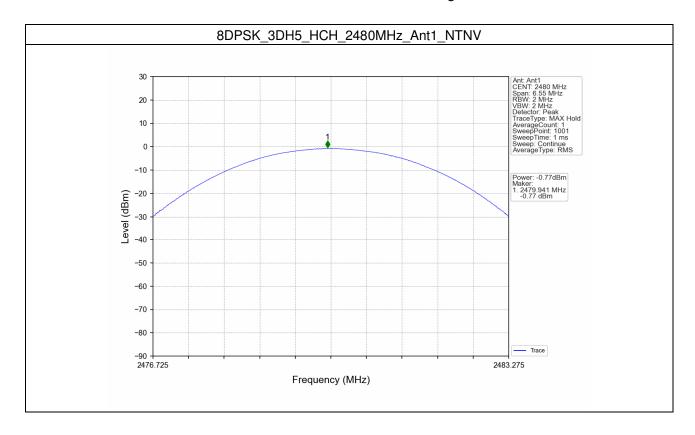
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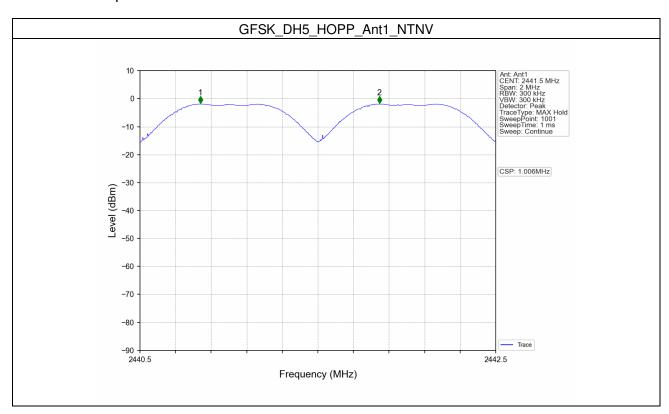
3. Carrier Frequency Separation

3.1 Ant1

3.1.1 Test Result

	Ant1									
Mode	TX Type	Frequency (MHz)	Packet Type	Channel Separation (MHz)	20dB Bandwidth (MHz)	Limit (MHz)	Verdict			
GFSK	SISO	HOPP	DH5	1.006	0.956	>=0.956	Pass			
Pi/4DQPSK	SISO	HOPP	2DH5	1.003	1.284	>=0.856	Pass			
8DPSK	SISO	HOPP	3DH5	0.996	1.310	>=0.873	Pass			

3.1.2 Test Graph





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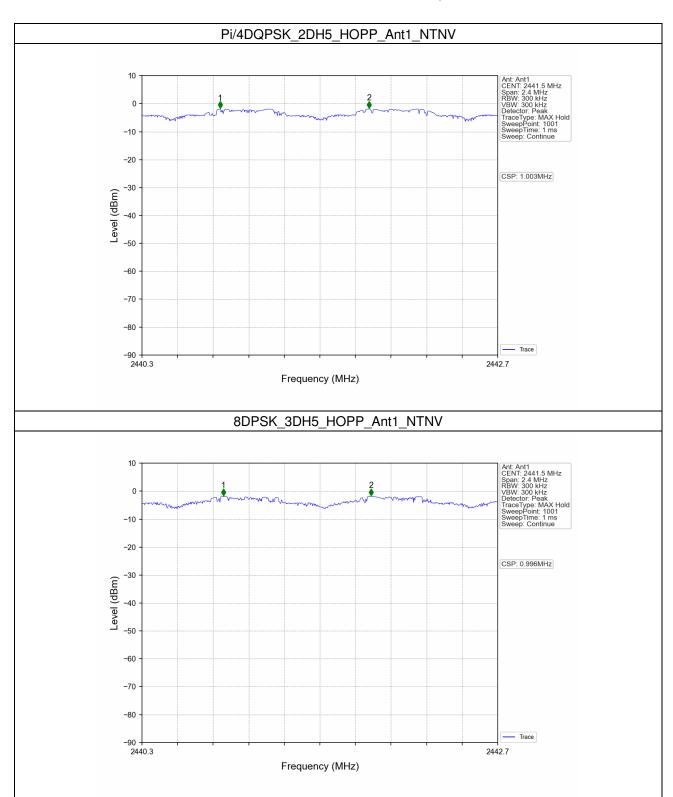
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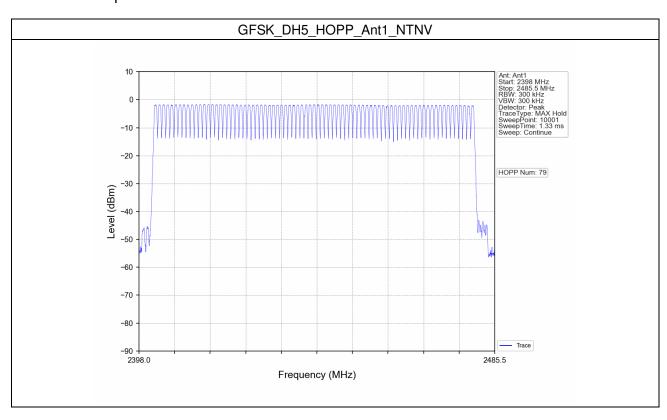
4. Number of Hopping Frequencies

4.1 HoppNum

4.1.1 Test Result

Mode	TX Frequency		Packet	Num of Hoppir	Verdict	
Mode	Type	(MHz)	Type	ANT1	Limit	verdict
GFSK	SISO	HOPP	DH5	79	>=15	Pass
Pi/4DQPSK	SISO	HOPP	2DH5	79	>=15	Pass
8DPSK	SISO	HOPP	3DH5	79	>=15	Pass

4.1.2 Test Graph





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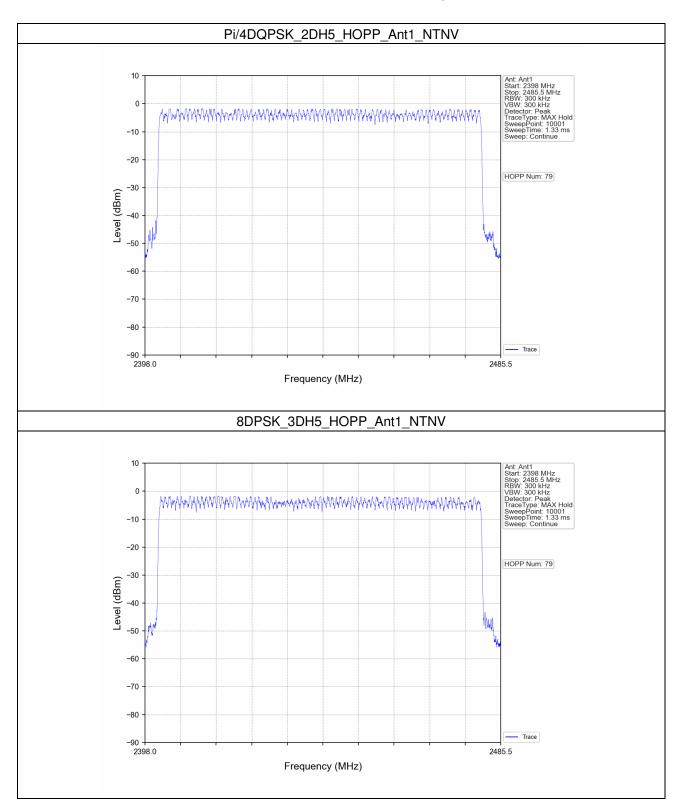
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5. Time of Occupancy (Dwell Time)

5.1 Ant1

5.1.1 Test Result

	Ant1									
Mode	TX Type	Frequency (MHz)	Packet Type	Duration of Single Pulse (ms)	Observation Period (s)	Num of Pulse in Observation Period	Dwell Time (ms)	Limit (ms)	Verdict	
			DH1	0.380	31.600	320	121.600	<=400	Pass	
GFSK	SISO	SISO HOPP	DH3	1.640	31.600	161	264.040	<=400	Pass	
			DH5	2.888	31.600	114	329.232	<=400	Pass	
		SISO HOPP	2DH1	0.388	31.600	320	124.160	<=400	Pass	
Pi/4DQPSK	SISO		2DH3	1.646	31.600	162	266.652	<=400	Pass	
			2DH5	2.894	31.600	98	283.612	<=400	Pass	
		SISO HOPP	3DH1	0.390	31.600	318	124.020	<=400	Pass	
8DPSK	SISO		3DH3	1.642	31.600	159	261.078	<=400	Pass	
			3DH5	2.890	31.600	101	291.890	<=400	Pass	



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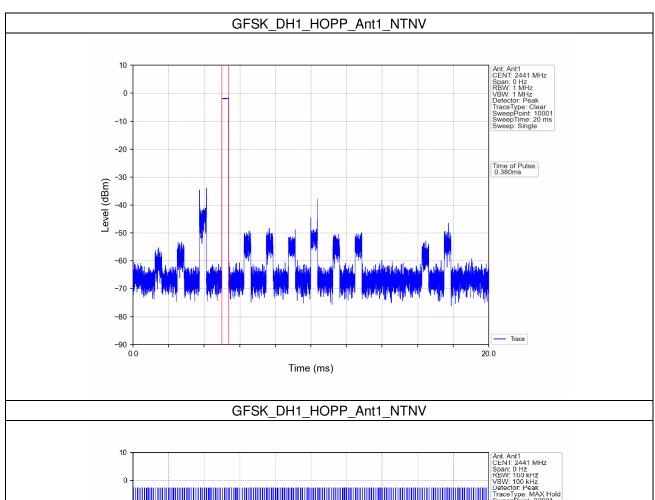


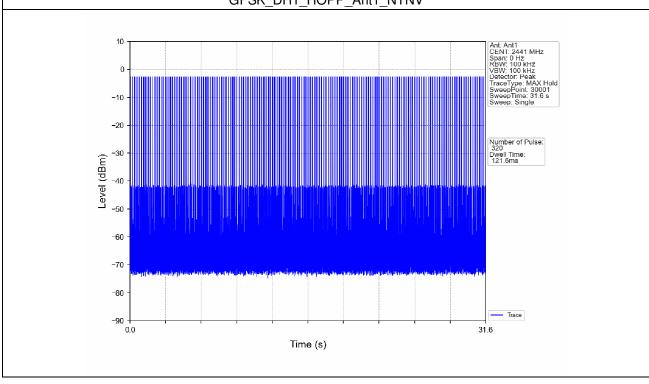
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5.1.2 Test Graph







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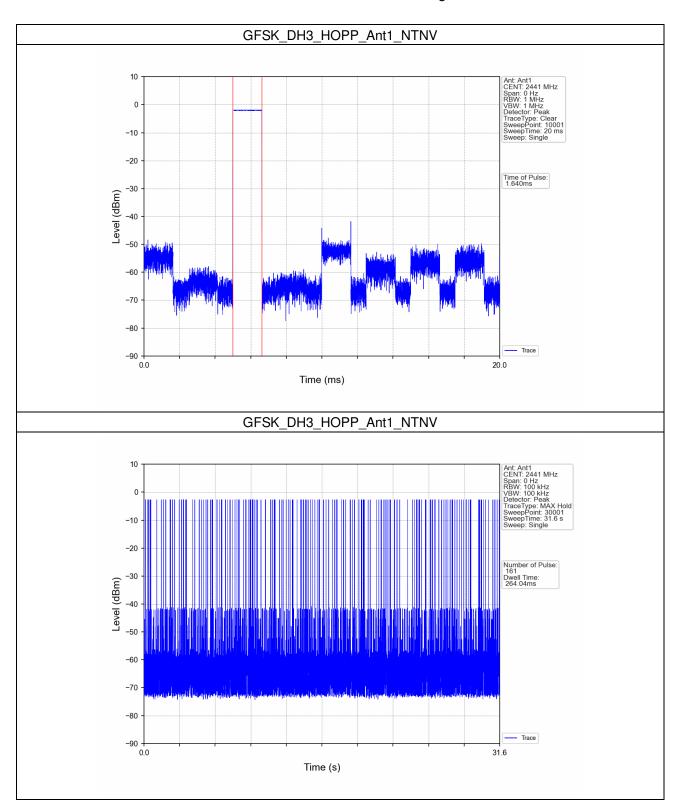
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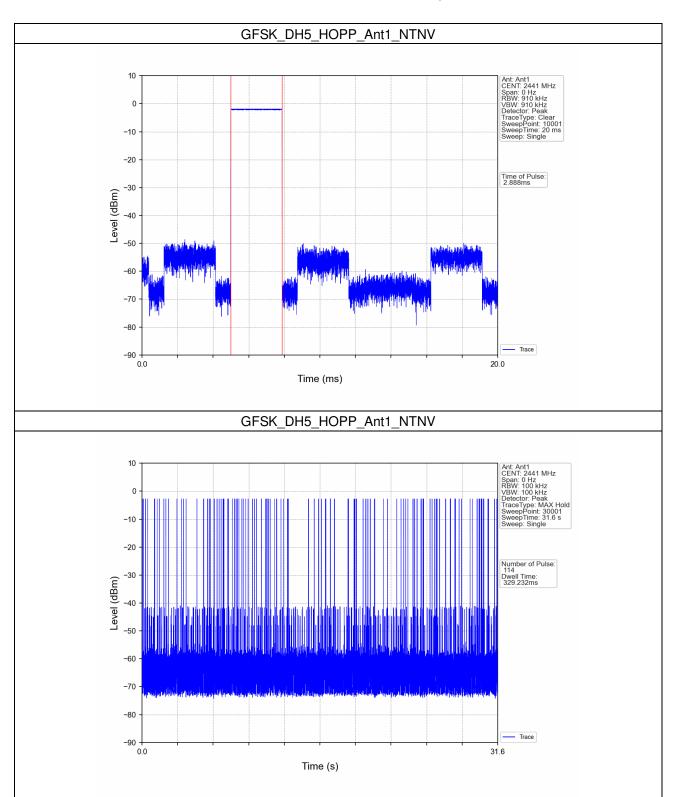
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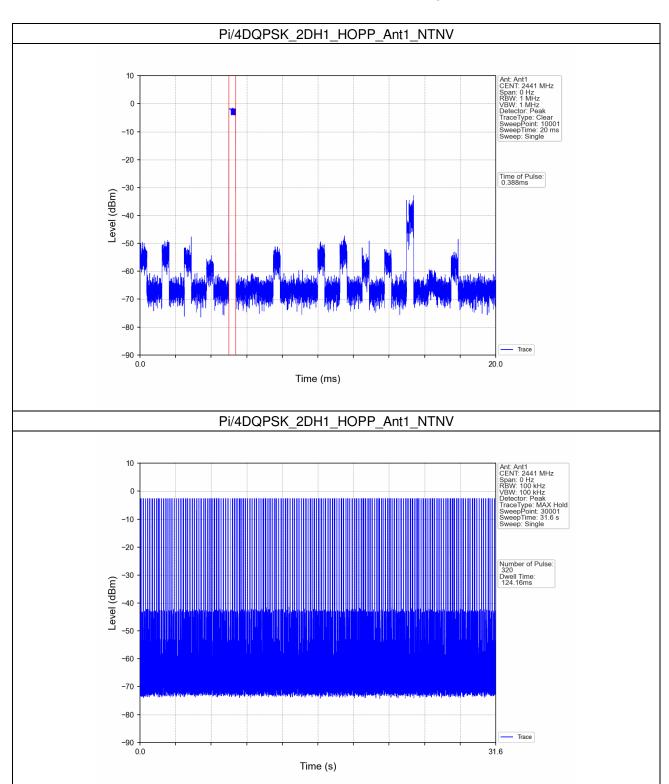
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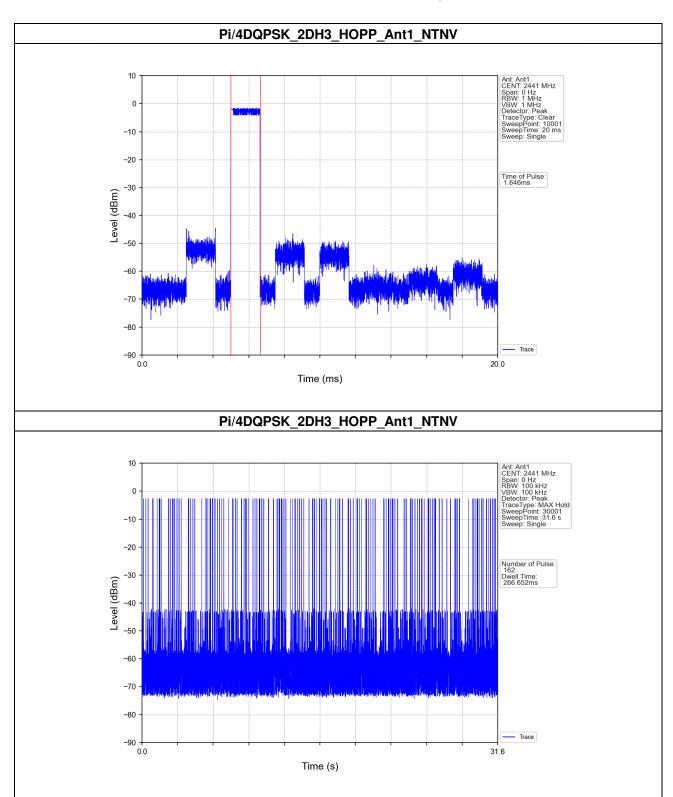
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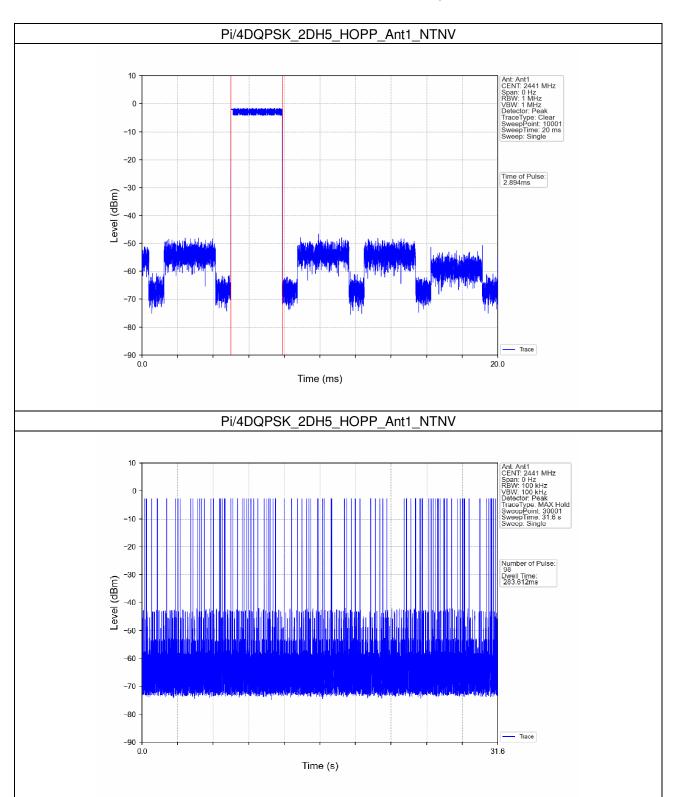
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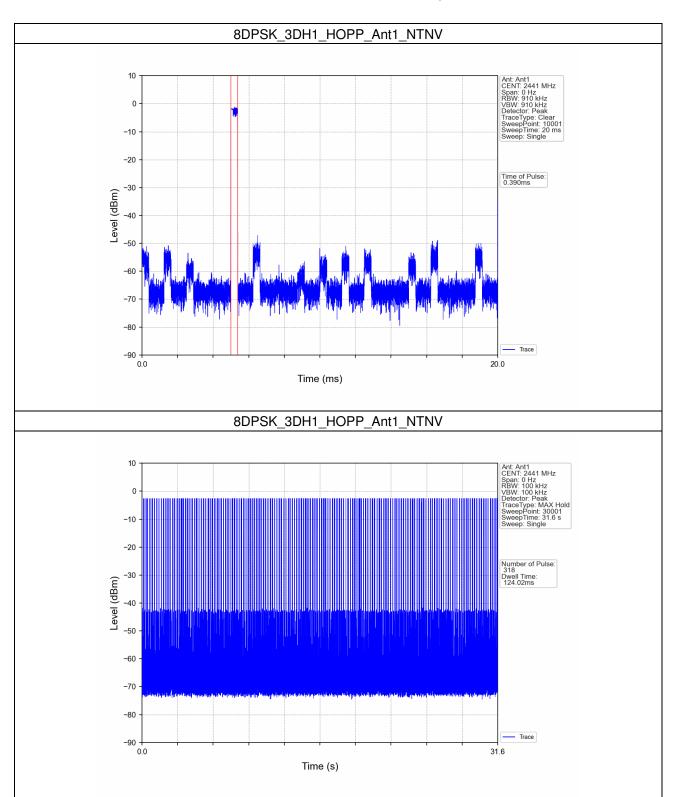
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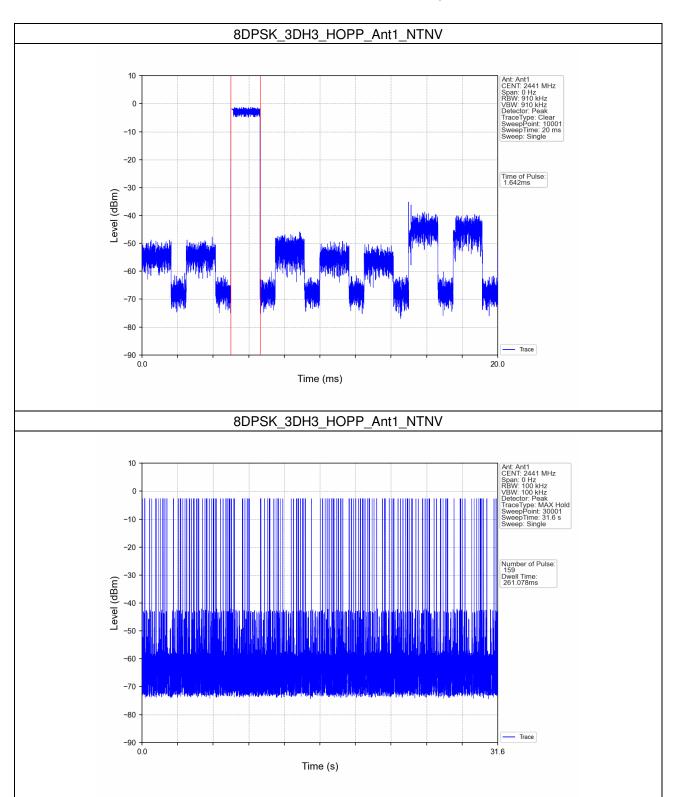
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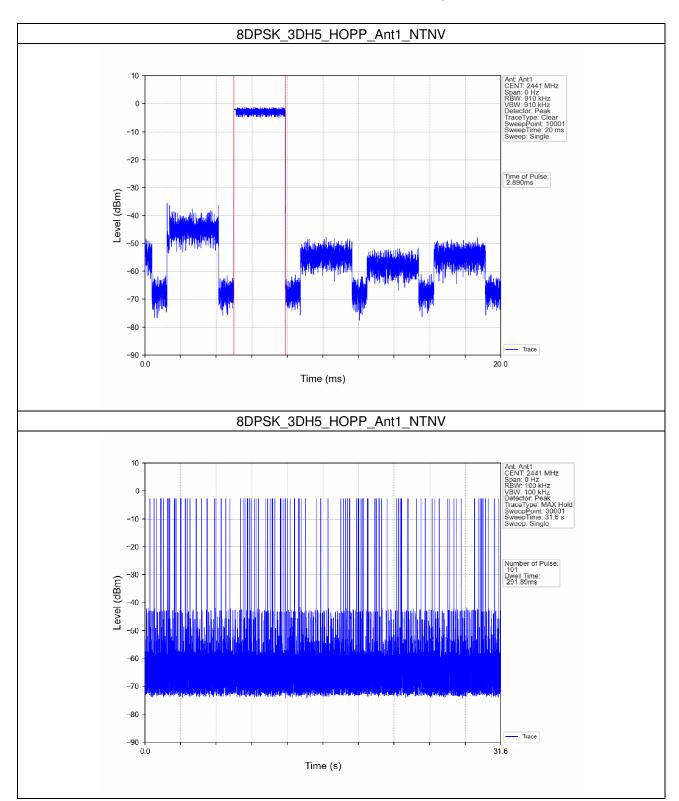
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6. Unwanted Emissions In Non-restricted Frequency Bands

6.1 Ref

6.1.1 Test Result

Mode	TX Type	Frequency (MHz)	Packet Type	ANT	Level of Reference (dBm)
		2402	DH5	1	-1.99
GFSK	SISO	2441	DH5	1	-1.95
		2480	DH5	1	-2.43
	SISO	2402	2DH5	1	-2.07
Pi/4DQPSK		2441	2DH5	1	-2.00
		2480	2DH5	1	-2.27
8DPSK	SISO	2402	3DH5	1	-1.96
		2441	3DH5	1	-1.93
		2480	3DH5	1	-2.19

Note1: Refer to FCC Part 15.247 (d) and ANSI C63.10-2013, the channel contains the maximum PSD level was used to establish the reference level.



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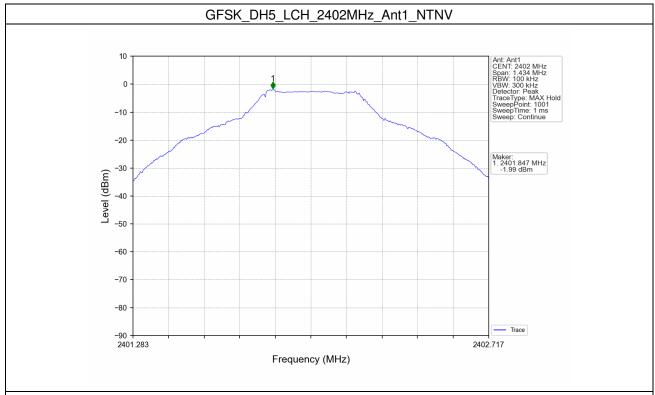
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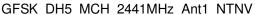


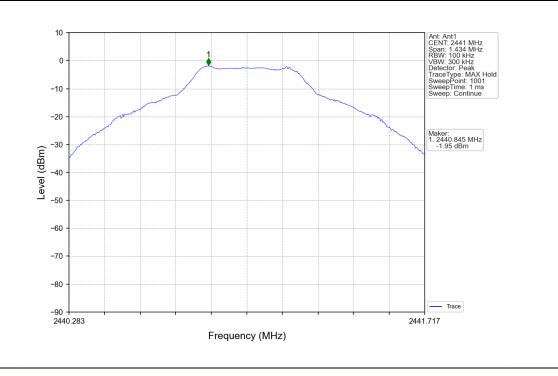
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6.1.2 Test Graph









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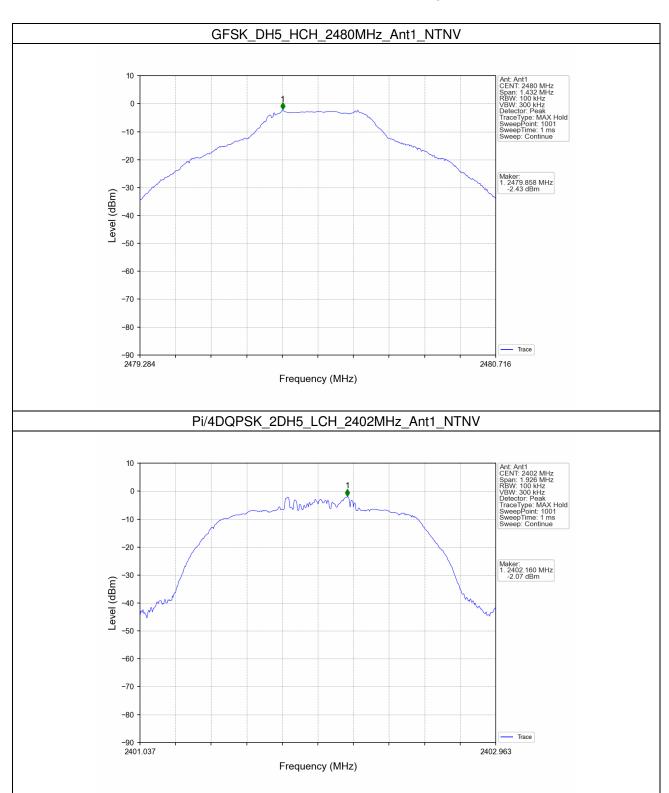
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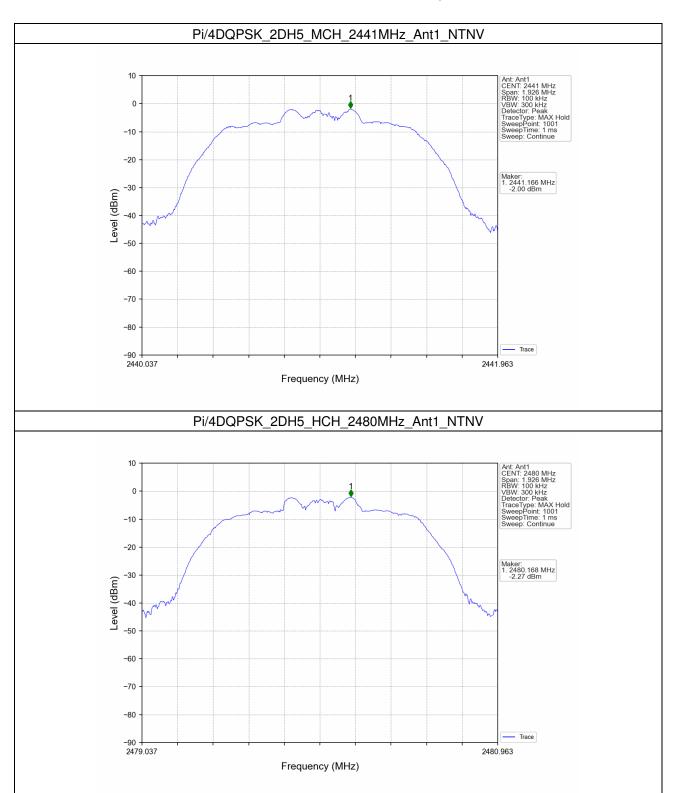
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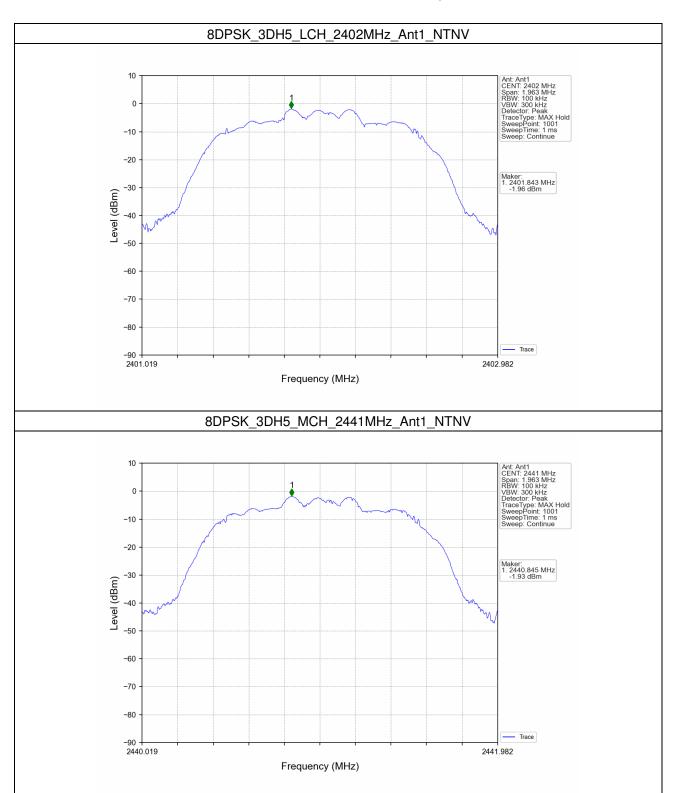
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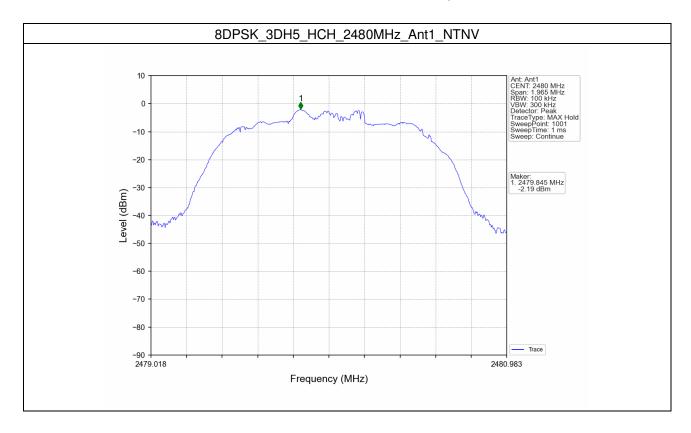
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6.2 CSE and Band Edges

6.2.1 Test Result

Mode	TX Type	Frequency (MHz)	Packet Type	ANT	Level of Reference (dBm)	Limit (dBm)	Verdict
		2402	DH5	1	-1.95	-21.95	Pass
OFOK	CICO	2441	DH5	1	-1.95	-21.95	Pass
GFSK	SISO	2480	DH5	1	-1.95	-21.95	Pass
		HOPP	DH5	1	-1.95	-21.95	Pass
	SISO	2402	2DH5	1	-2.00	-22.00	Pass
D:/ADODOK		2441	2DH5	1	-2.00	-22.00	Pass
Pi/4DQPSK		2480	2DH5	1	-2.00	-22.00	Pass
		HOPP	2DH5	1	-2.00	-22.00	Pass
		2402	3DH5	1	-1.93	-21.93	Pass
8DPSK	CICO	2441	3DH5	1	-1.93	-21.93	Pass
	SISO	2480	3DH5	1	-1.93	-21.93	Pass
	_	HOPP	3DH5	1	-1.93	-21.93	Pass

Note1: Refer to FCC Part 15.247 (d) and ANSI C63.10-2013, the channel contains the maximum PSD level was used to establish the reference level.



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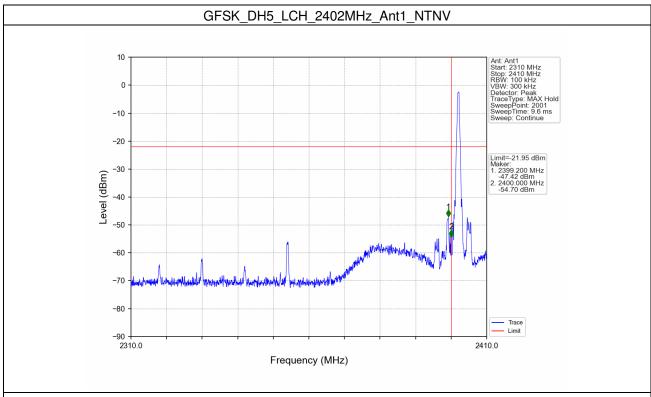


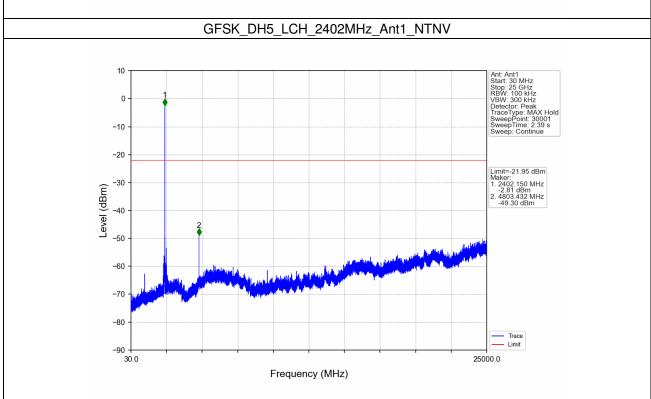
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6.2.2 Test Graph







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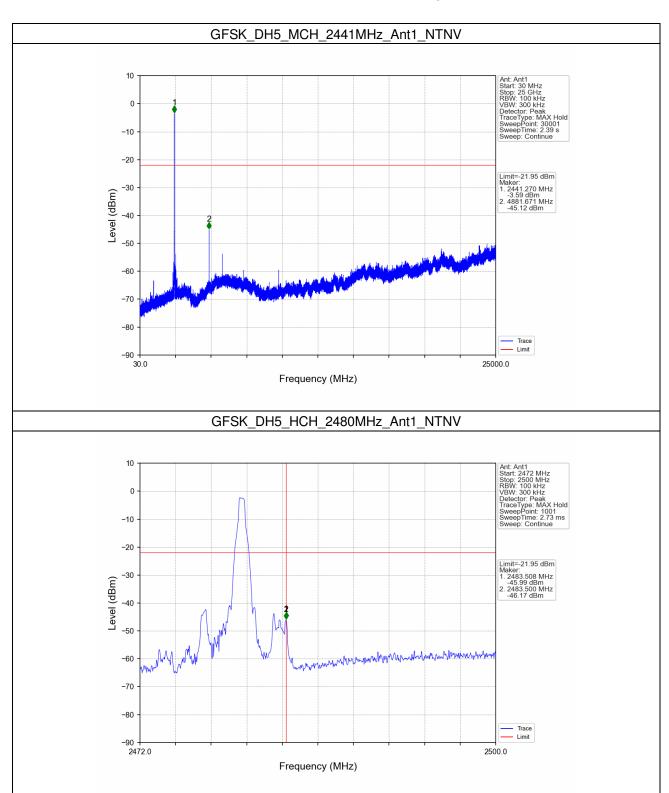
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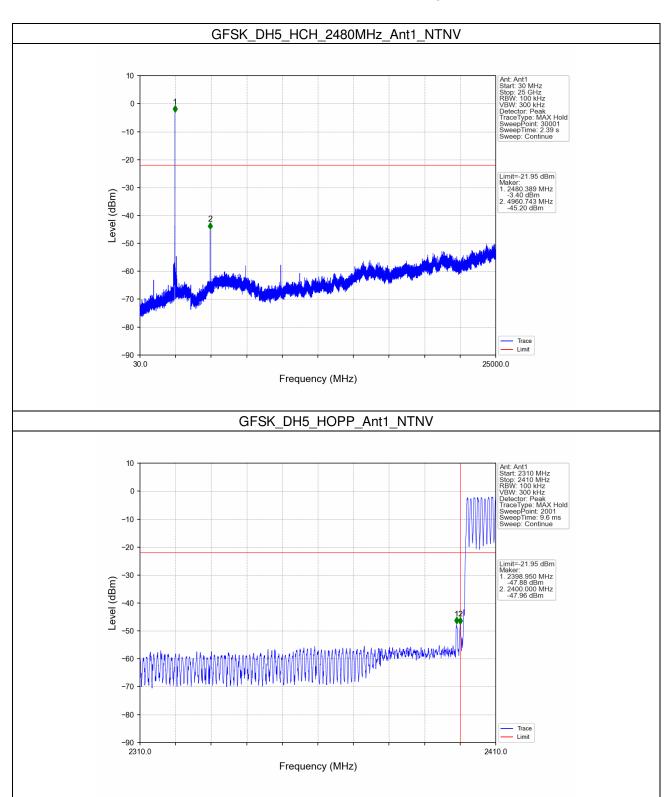
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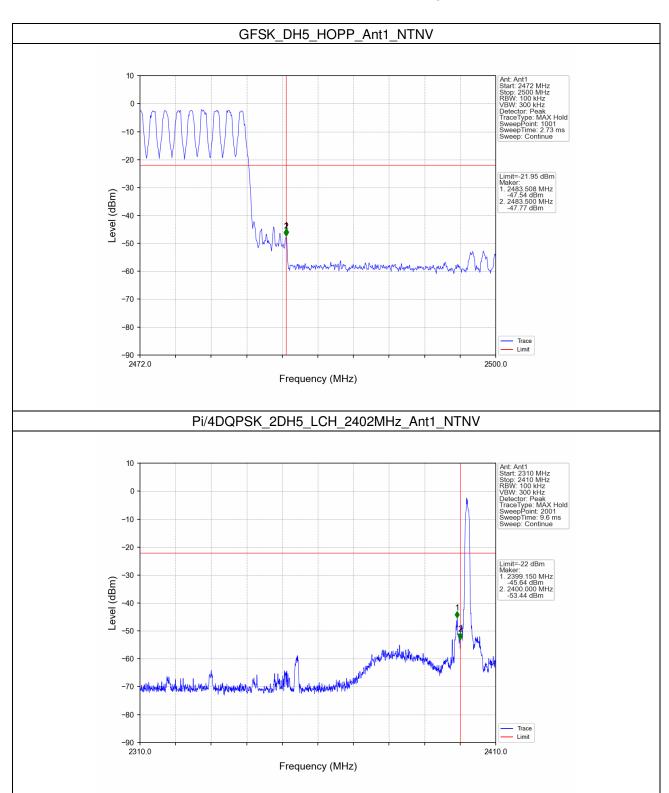
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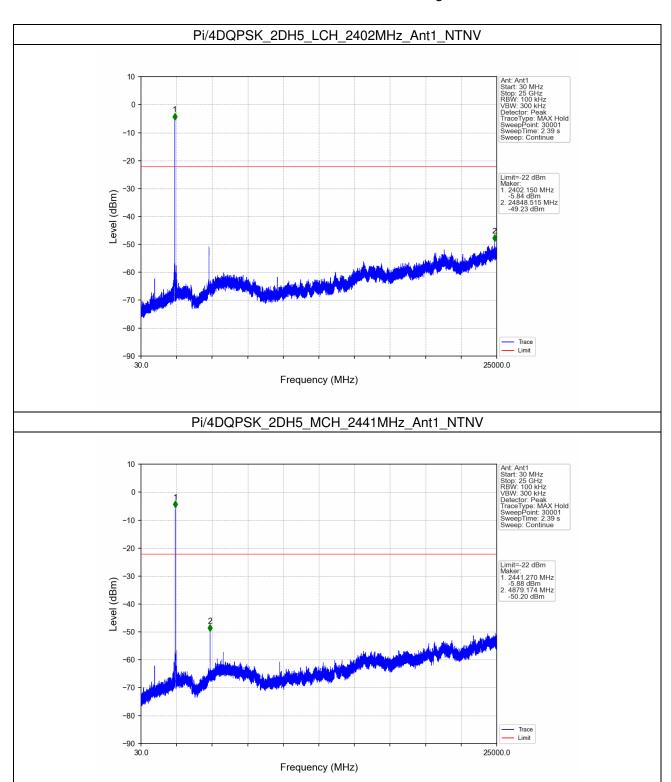
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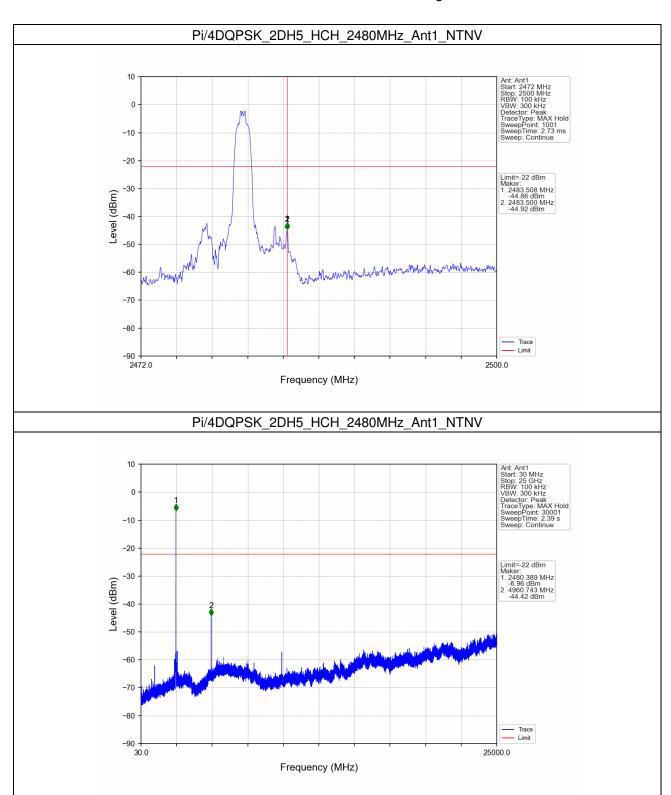
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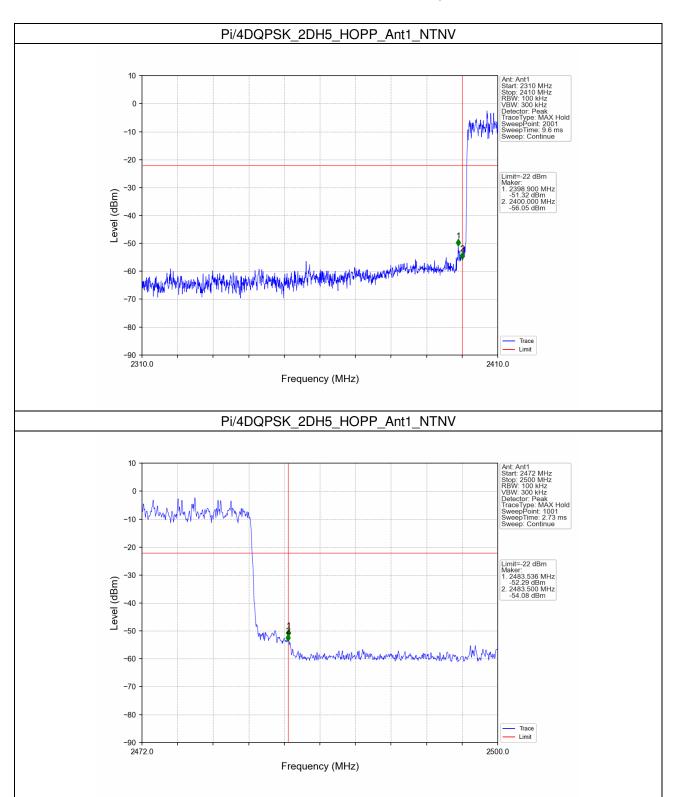
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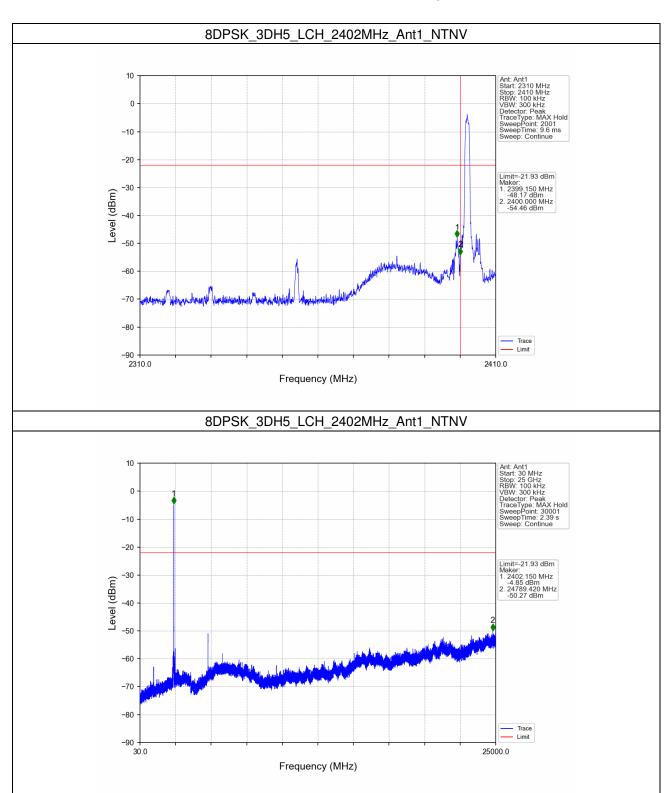
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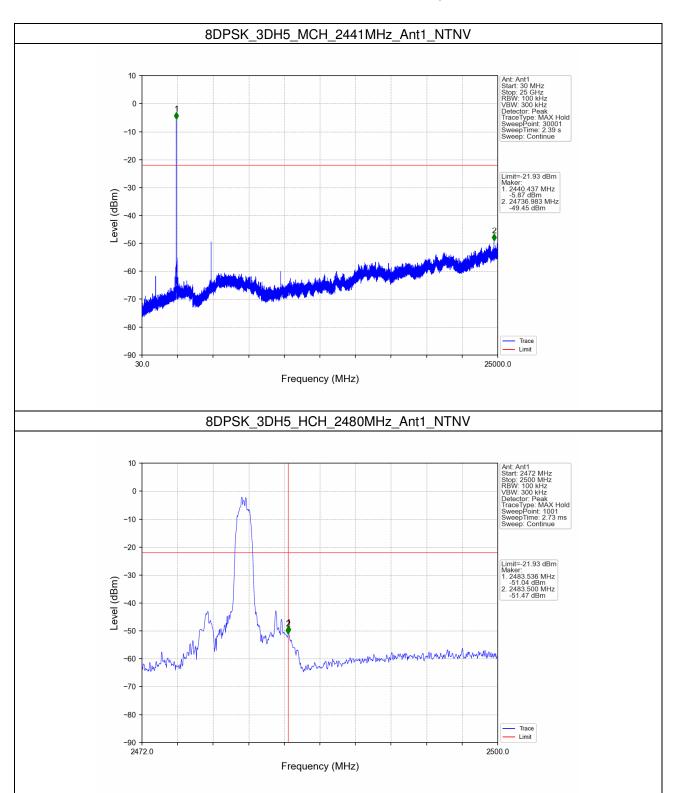
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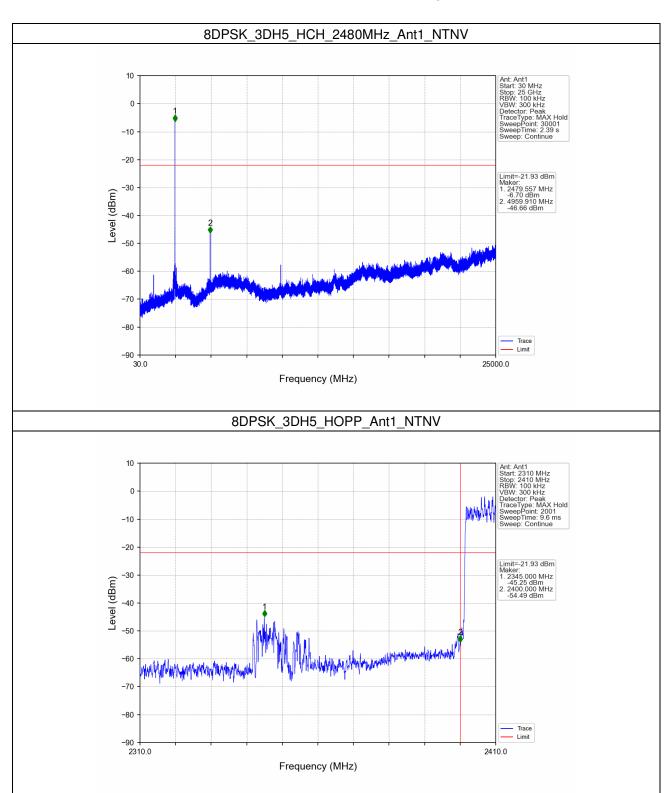
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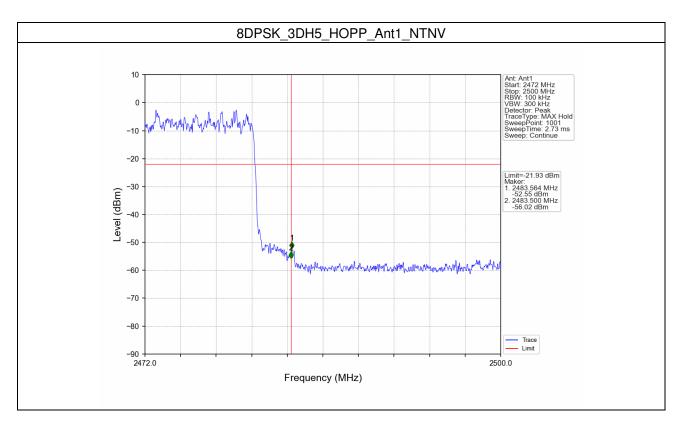
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