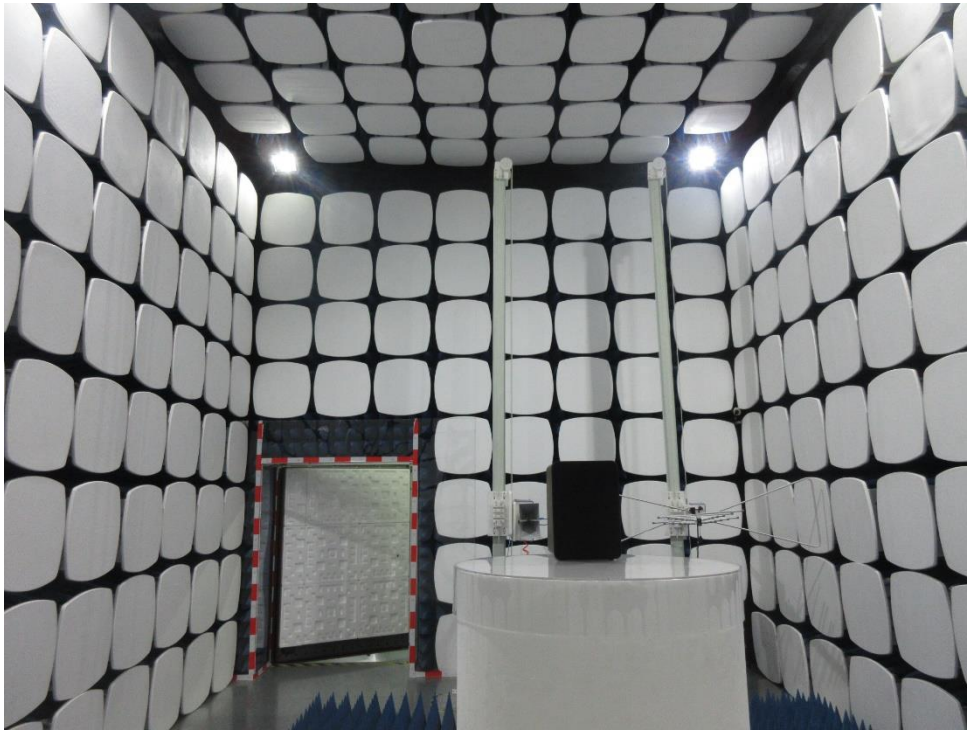


Radiated Spurious Emissions (Above 1GHz)



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9 EUT Constructional Details (EUT Photos)

Refer to external and internal photos for GZCR2107020545AT



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10 Appendix

1. Bandwidth

1.1 20dB BW

1.1.1 Test Result

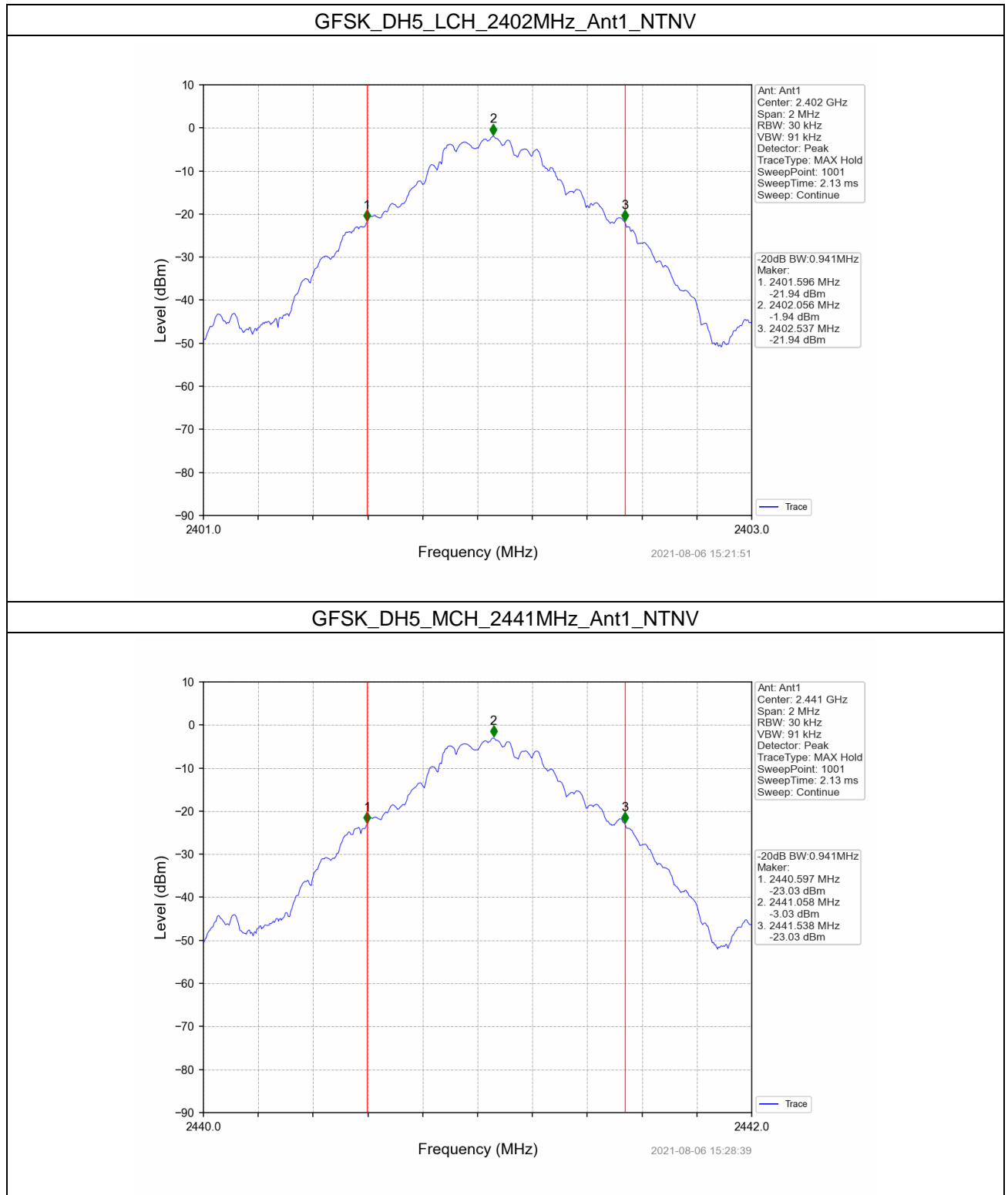
Mode	TX Type	Frequency (MHz)	Packet Type	Ant	20dB Bandwidth (MHz)	Verdict
					Result	
GFSK	SISO	2402	DH5	1	0.941	Pass
		2441	DH5	1	0.941	Pass
		2480	DH5	1	0.942	Pass
Pi/4DQPSK	SISO	2402	2DH5	1	1.319	Pass
		2441	2DH5	1	1.319	Pass
		2480	2DH5	1	1.316	Pass
8DPSK	SISO	2402	3DH5	1	1.304	Pass
		2441	3DH5	1	1.306	Pass
		2480	3DH5	1	1.309	Pass



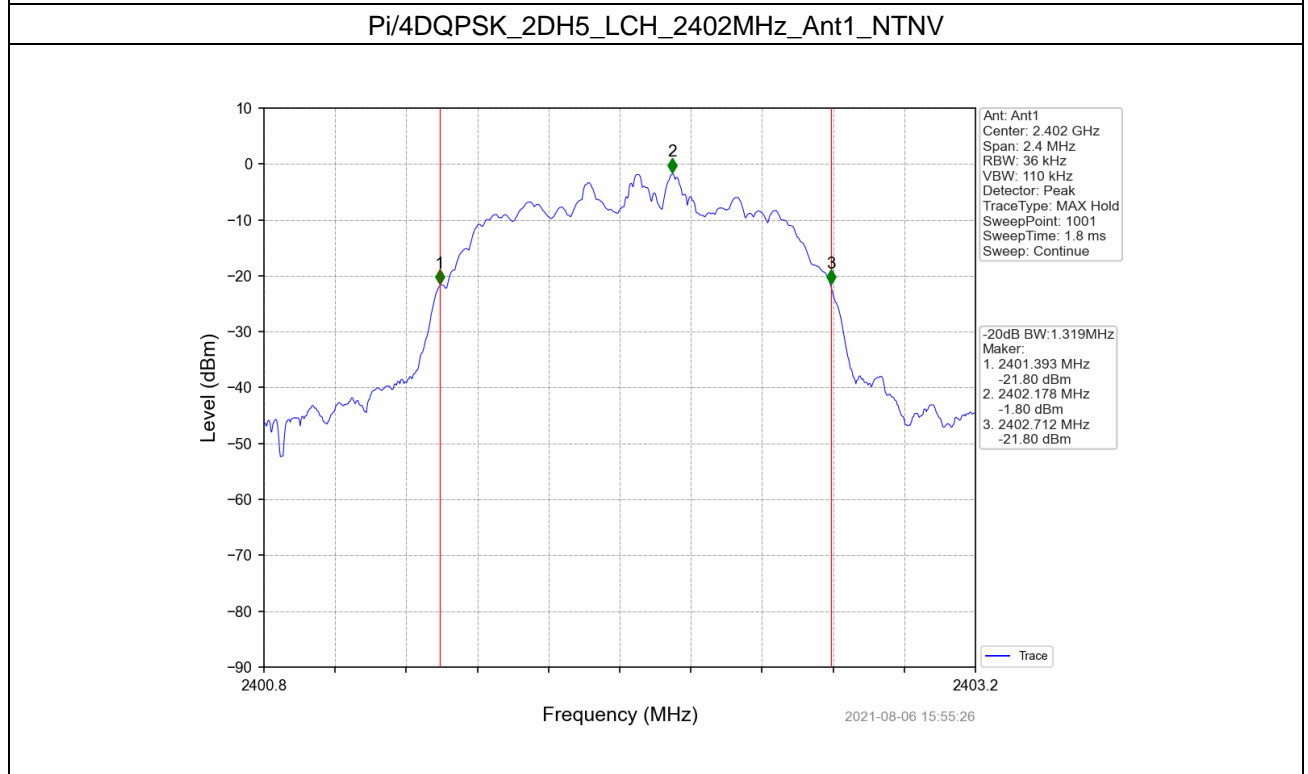
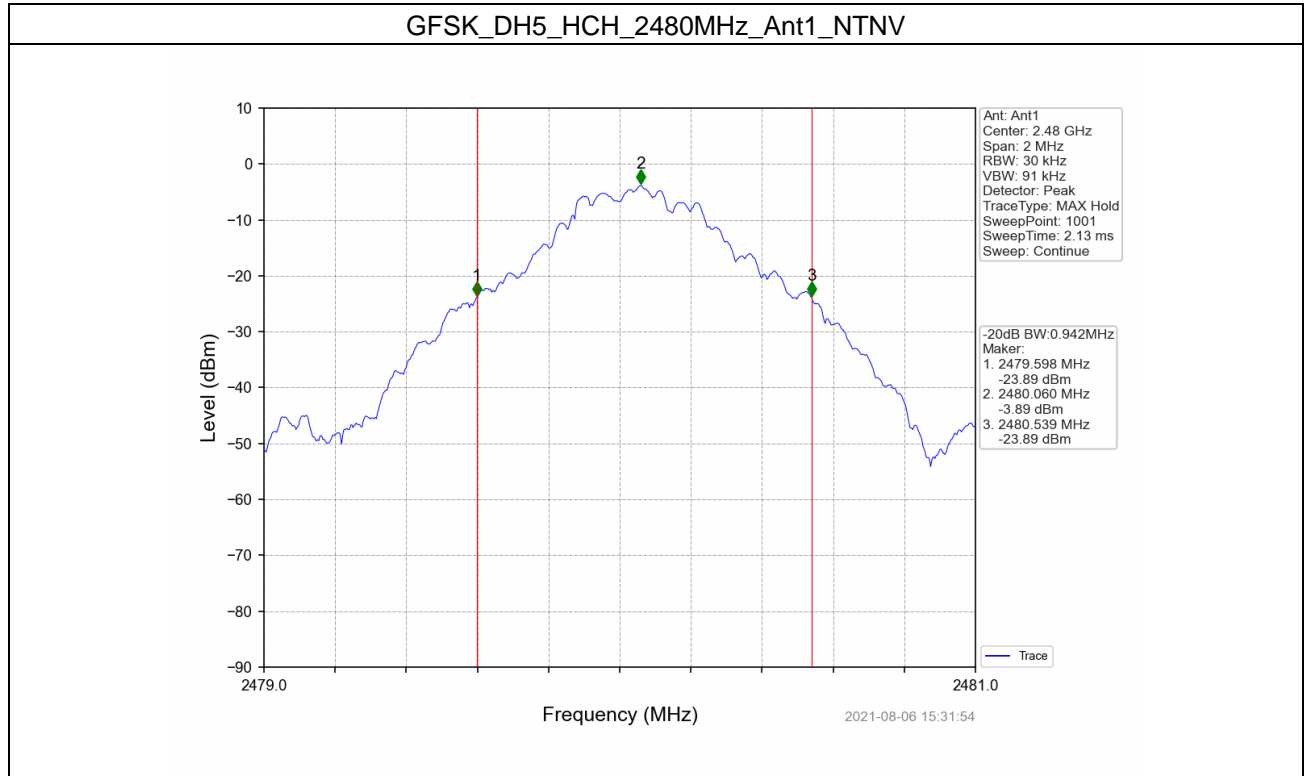
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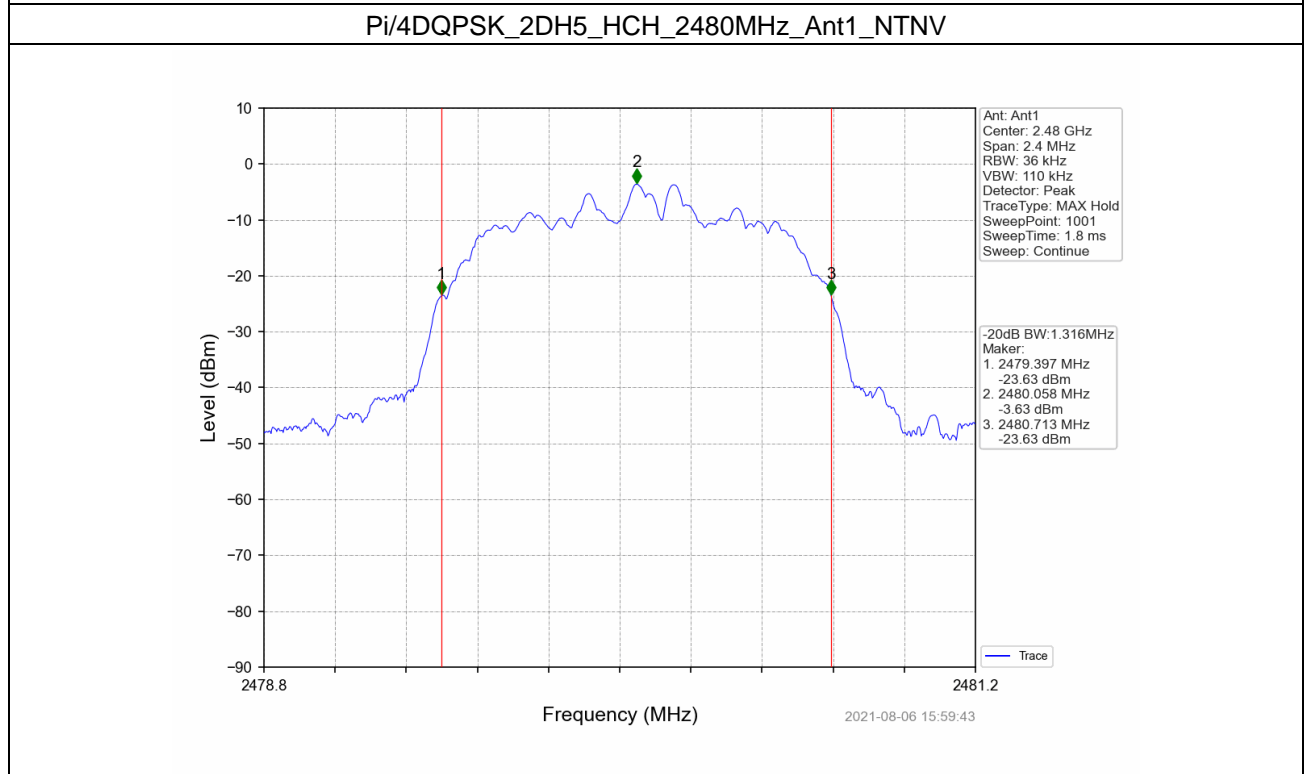
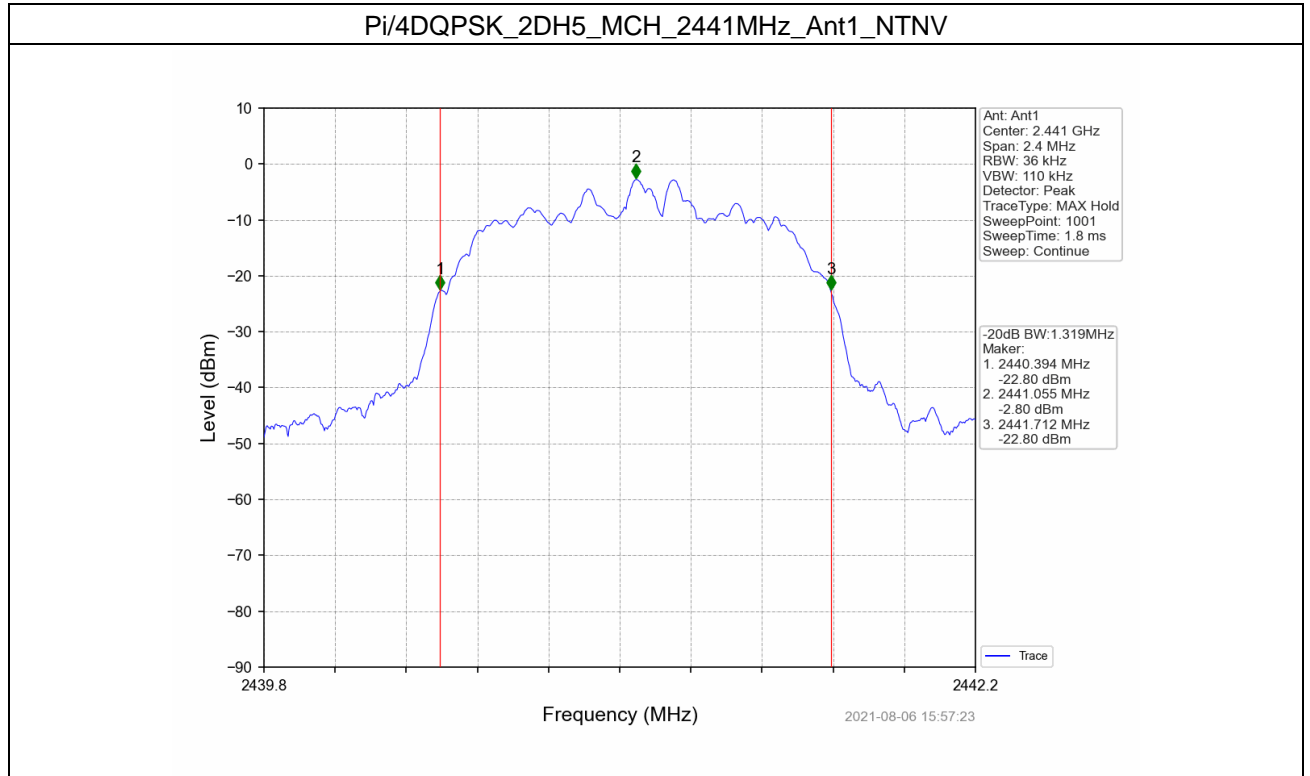
1.2.2 Test Graph



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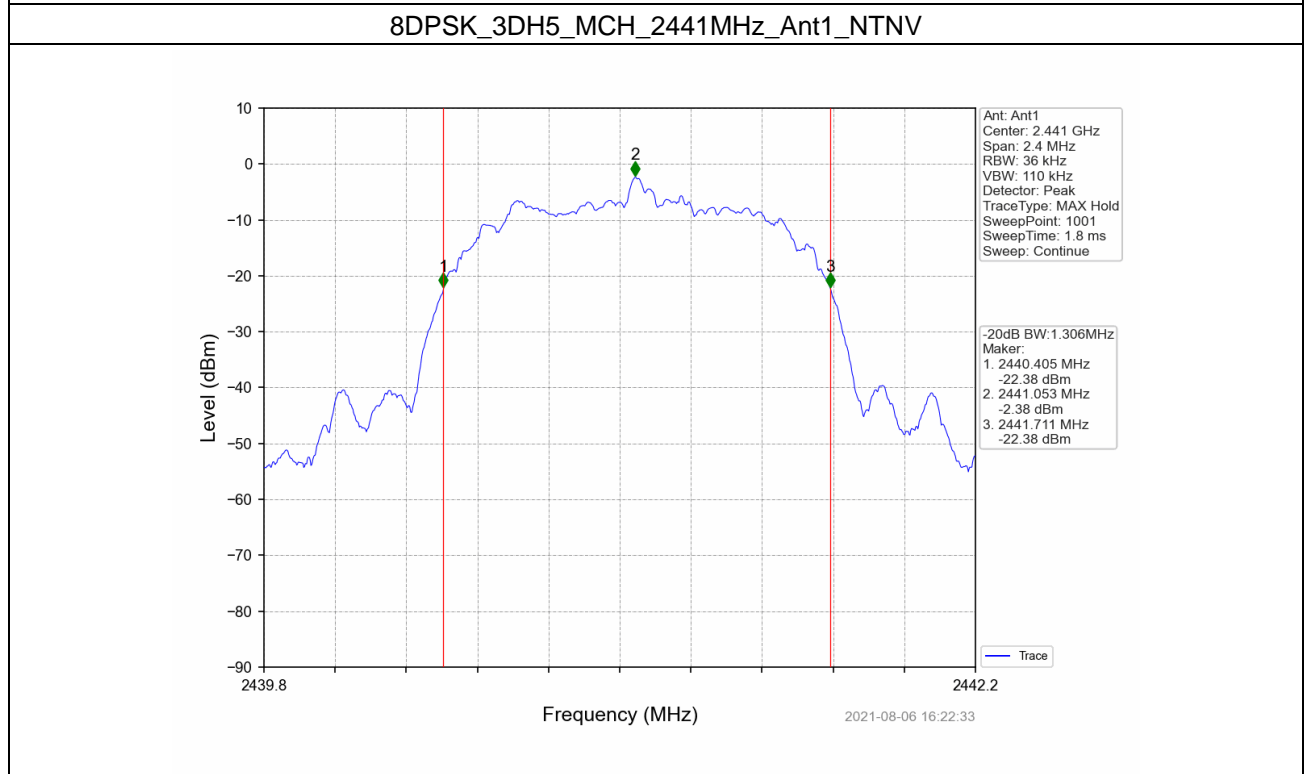
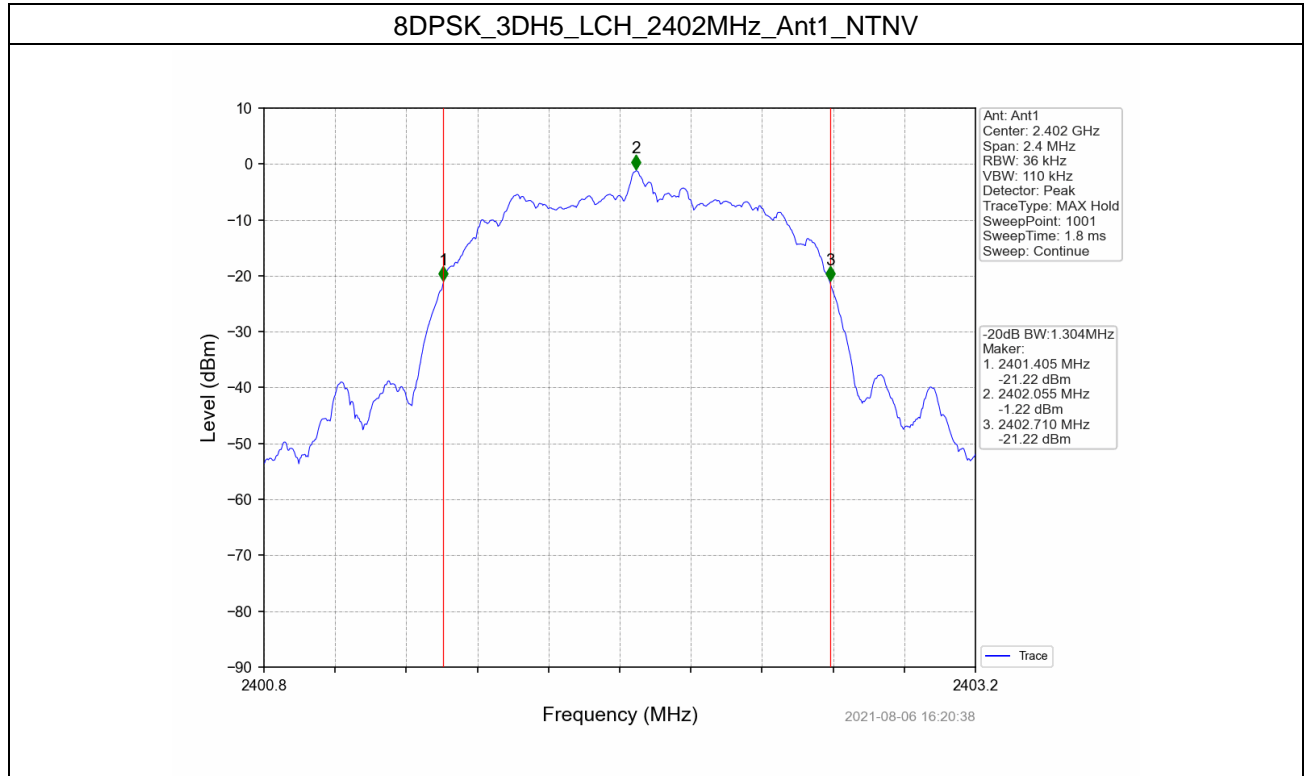


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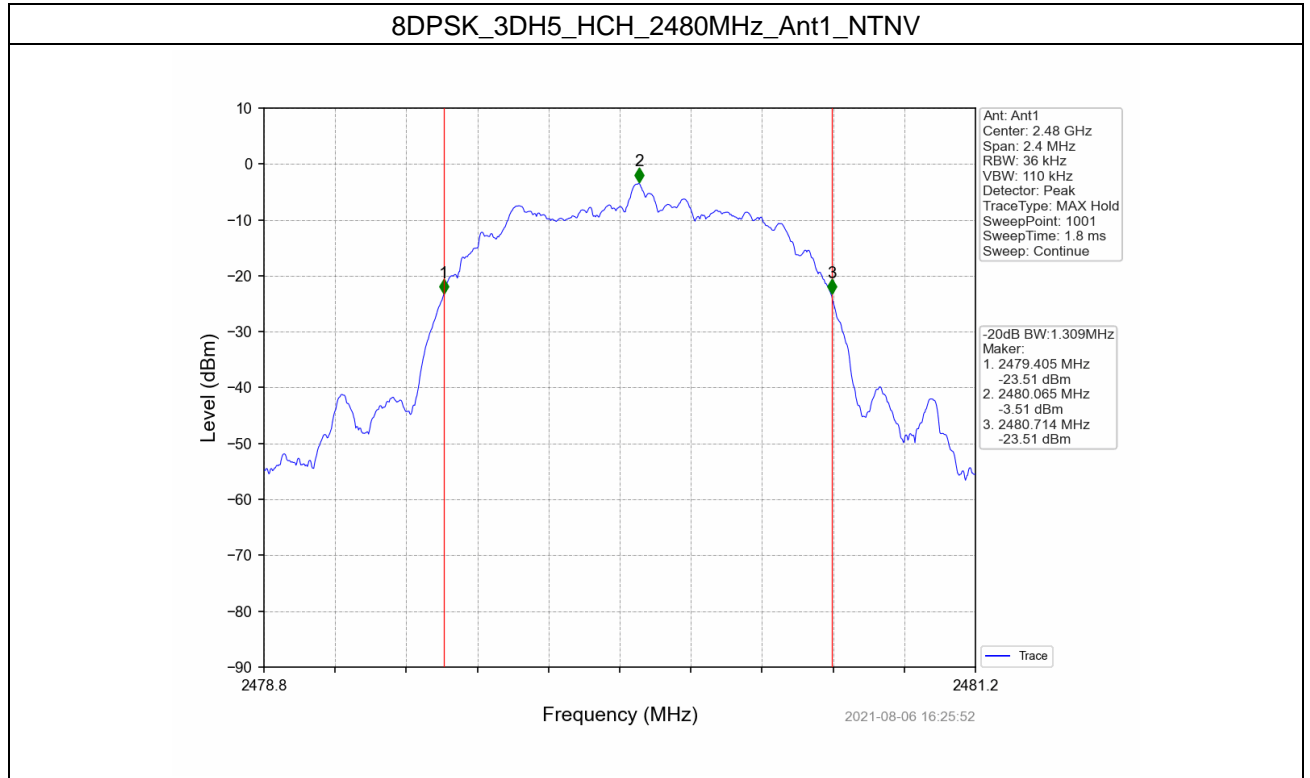
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2. Maximum Conducted Output Power

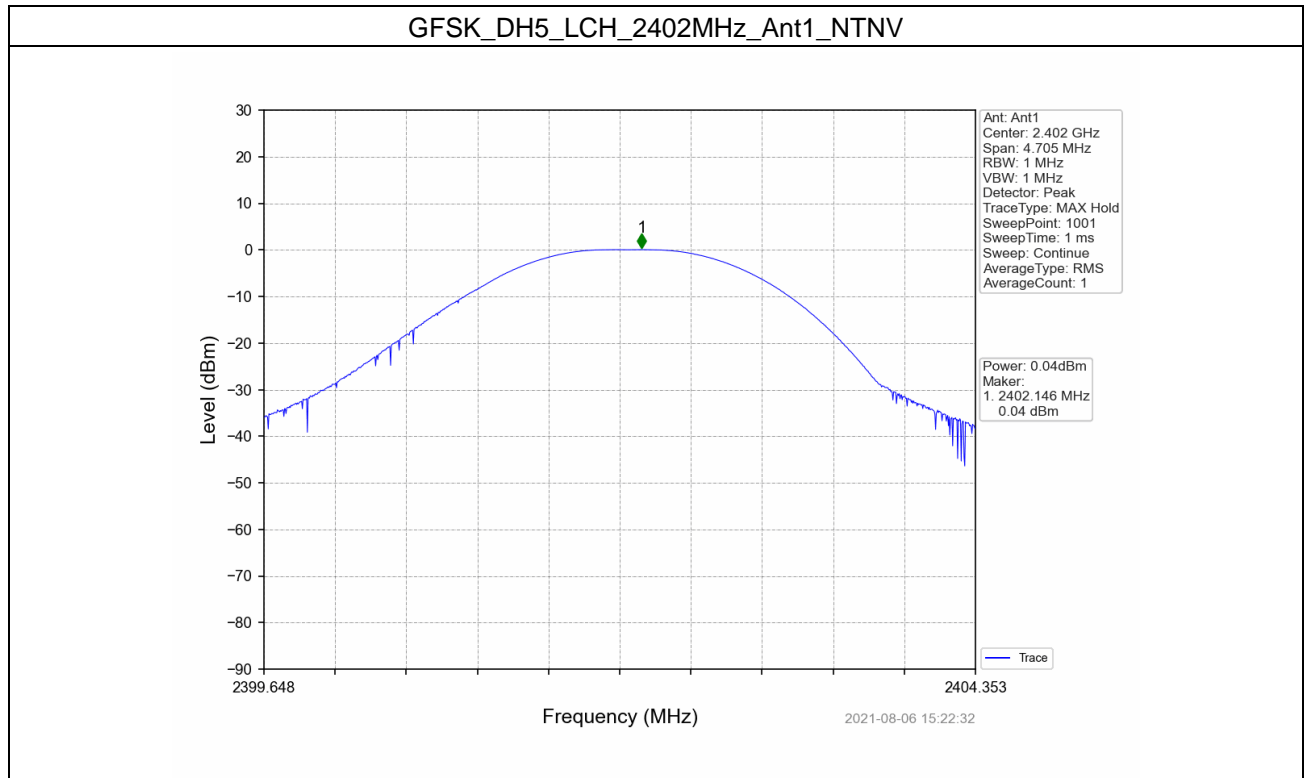
2.1 Power

2.1.1 Test Result

Mode	TX Type	Frequency (MHz)	Packet Type	Maximum Peak Conducted Output Power (dBm)		Verdict
				Ant1	Limit	
GFSK	SISO	2402	DH5	0.04	<=30	Pass
		2441	DH5	-1.03	<=30	Pass
		2480	DH5	-1.92	<=30	Pass
Pi/4DQPSK	SISO	2402	2DH5	2.46	<=20.97	Pass
		2441	2DH5	1.32	<=20.97	Pass
		2480	2DH5	0.47	<=20.97	Pass
8DPSK	SISO	2402	3DH5	2.97	<=20.97	Pass
		2441	3DH5	1.84	<=20.97	Pass
		2480	3DH5	0.99	<=20.97	Pass

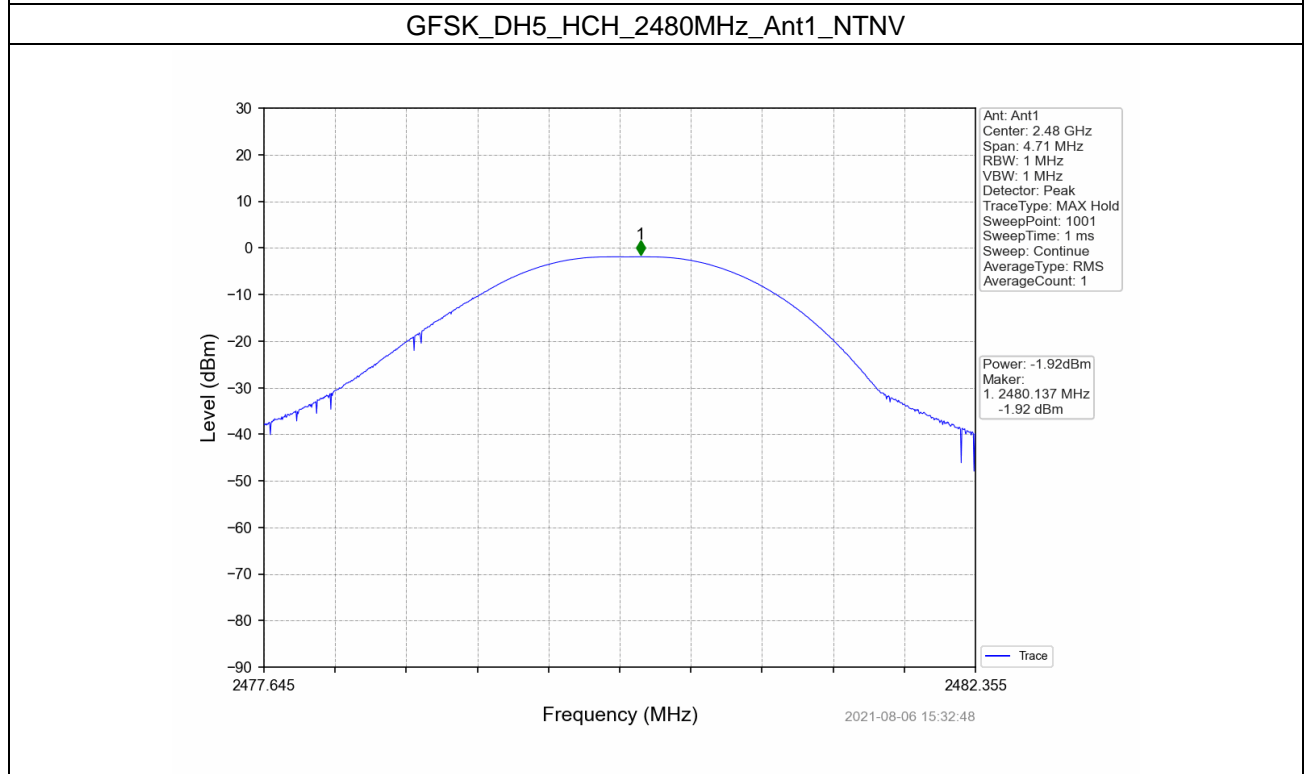
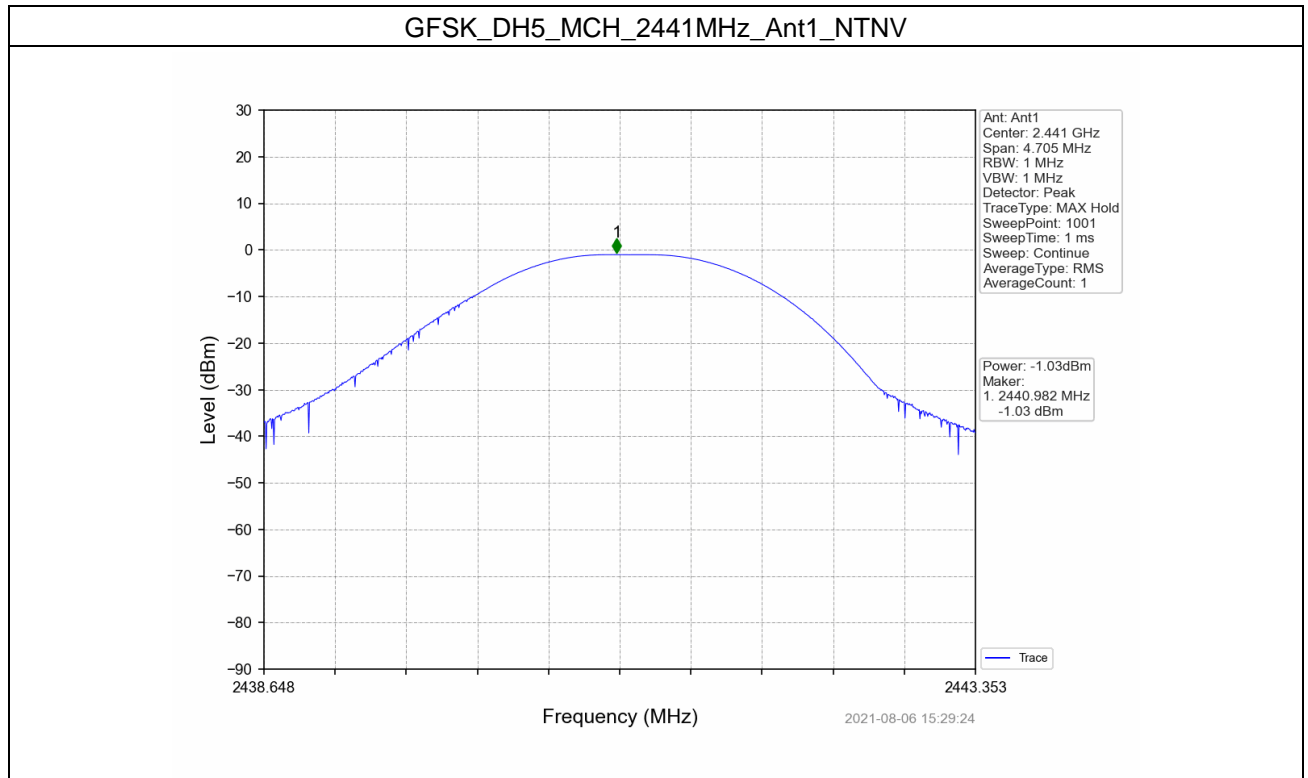
Note1: Antenna Gain: Ant1: 0.00dBi;

2.1.2 Test Graph



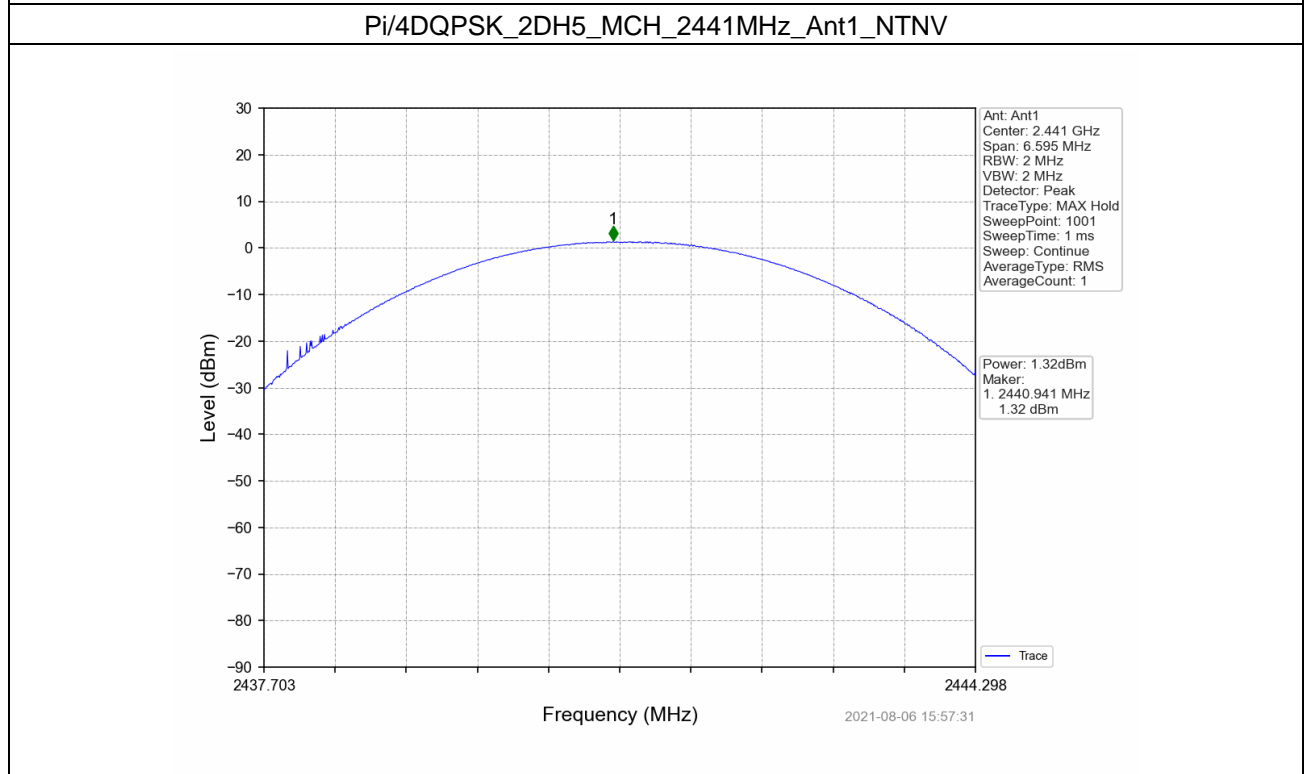
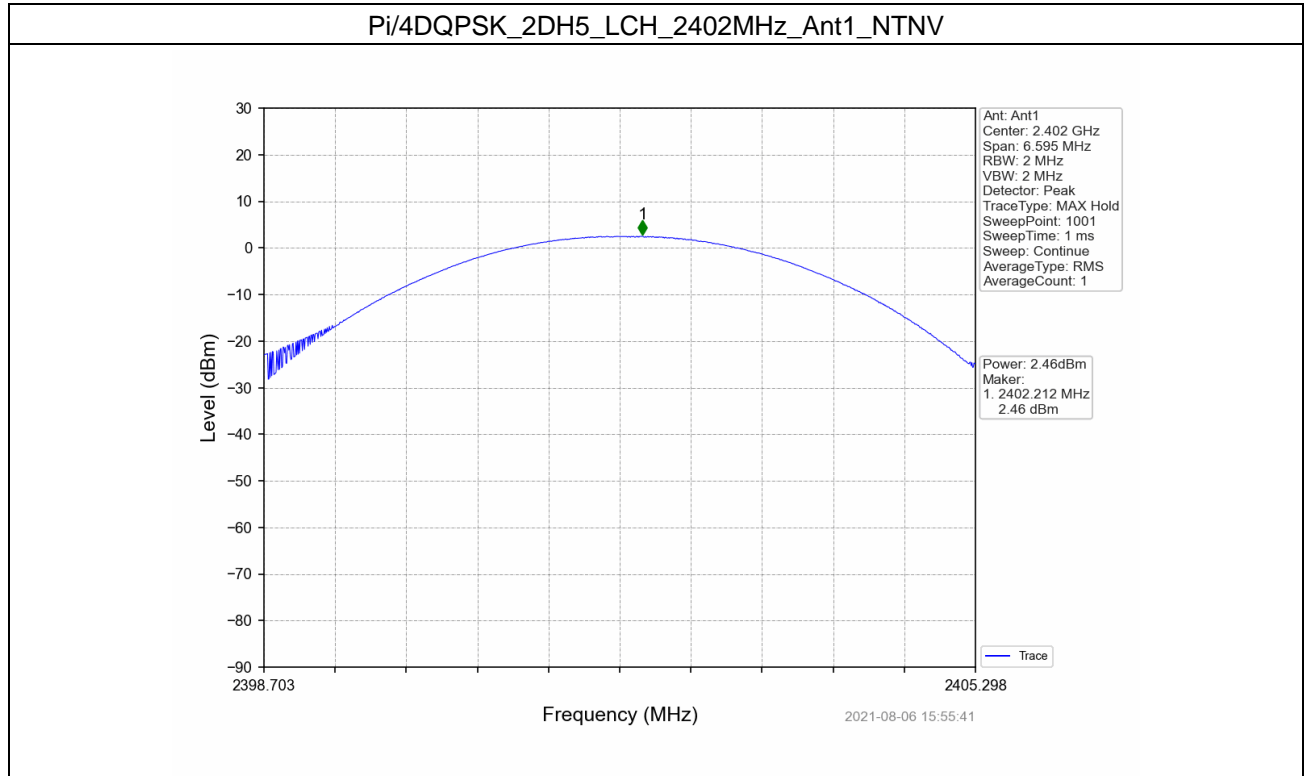
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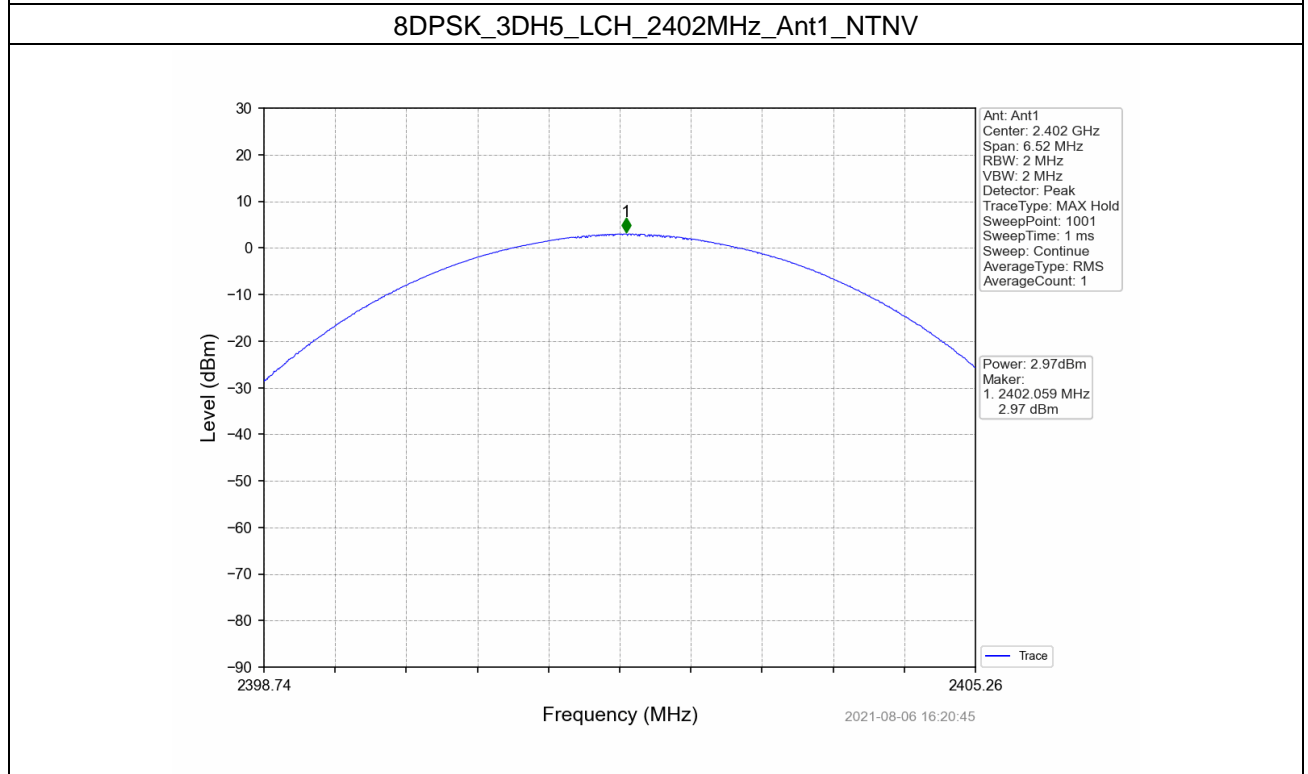
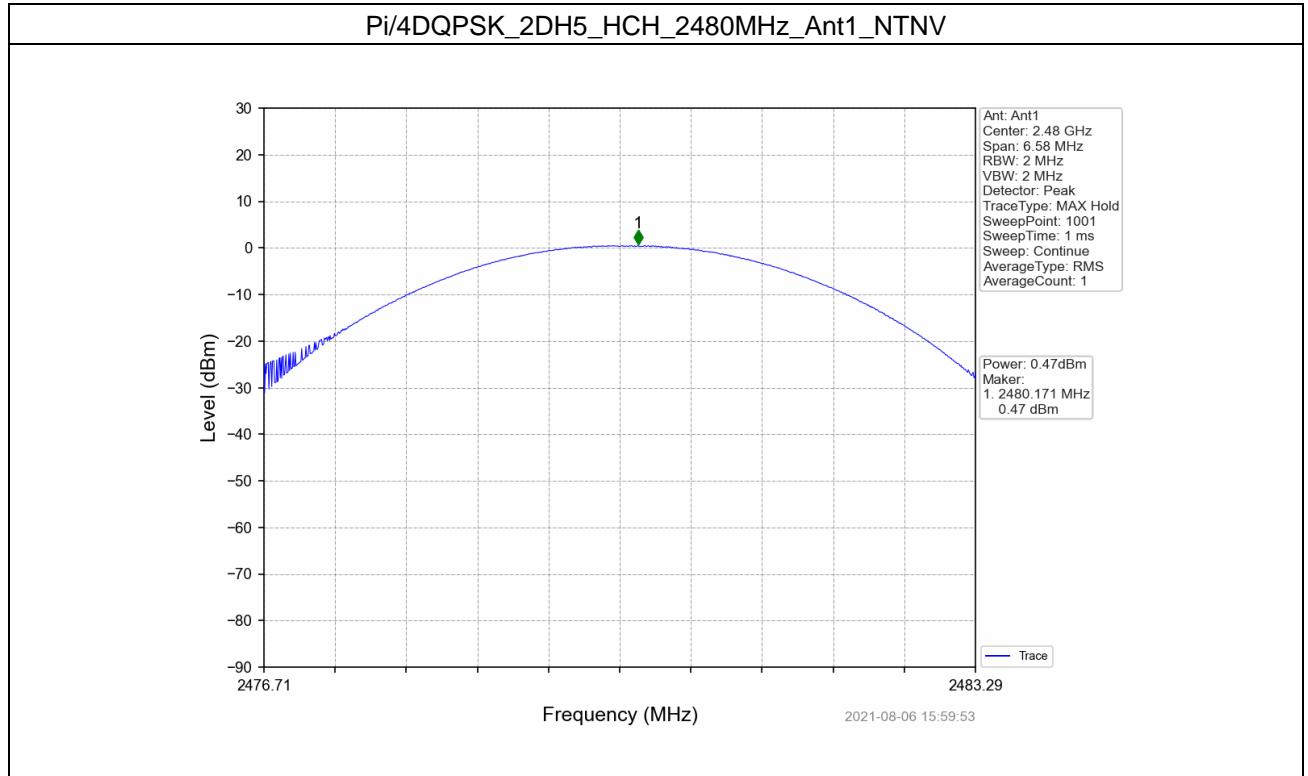
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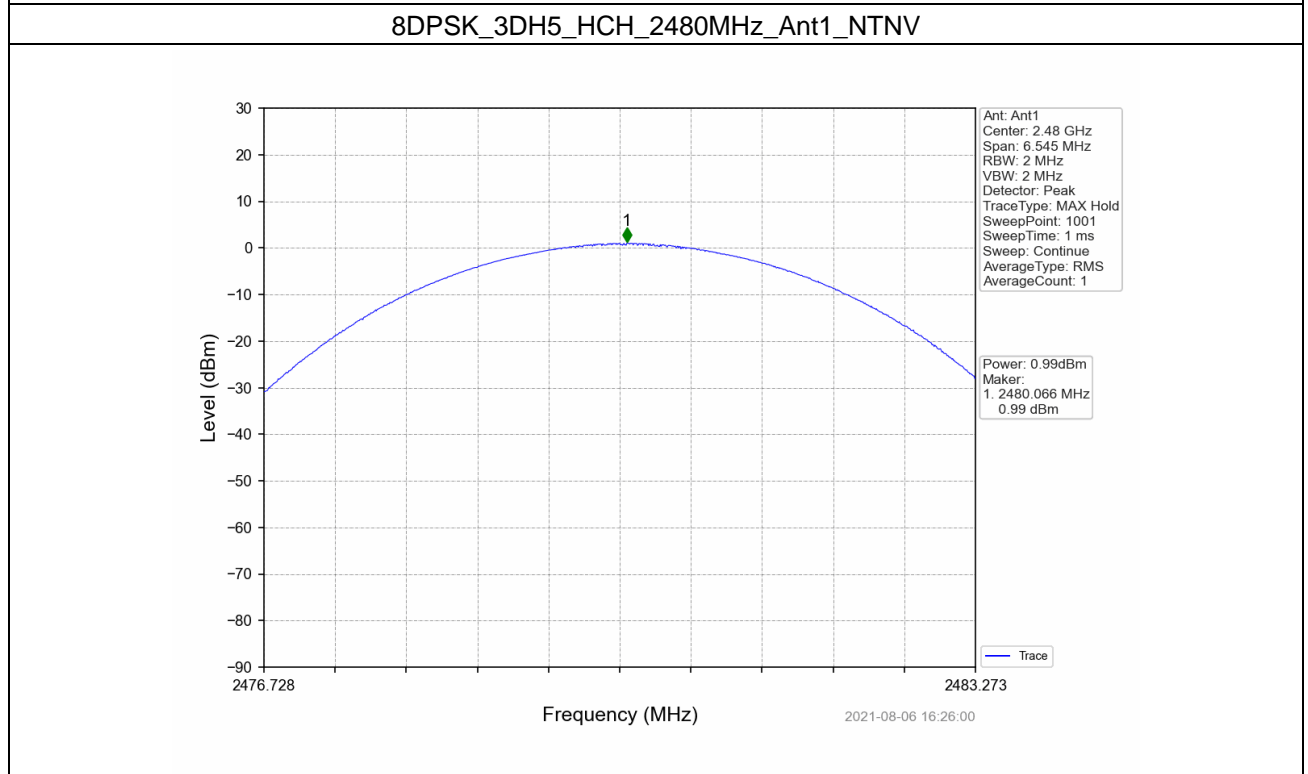
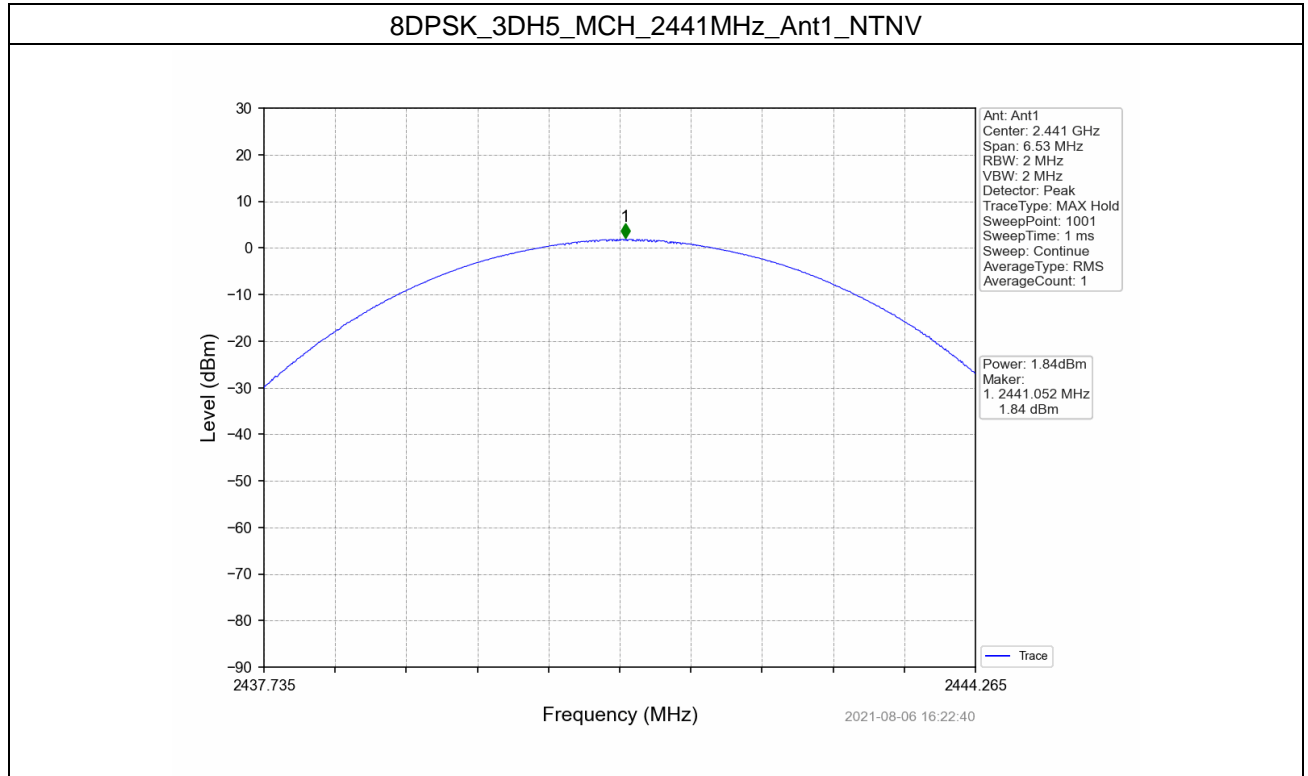
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3. Unwanted Emissions In Non-restricted Frequency Bands

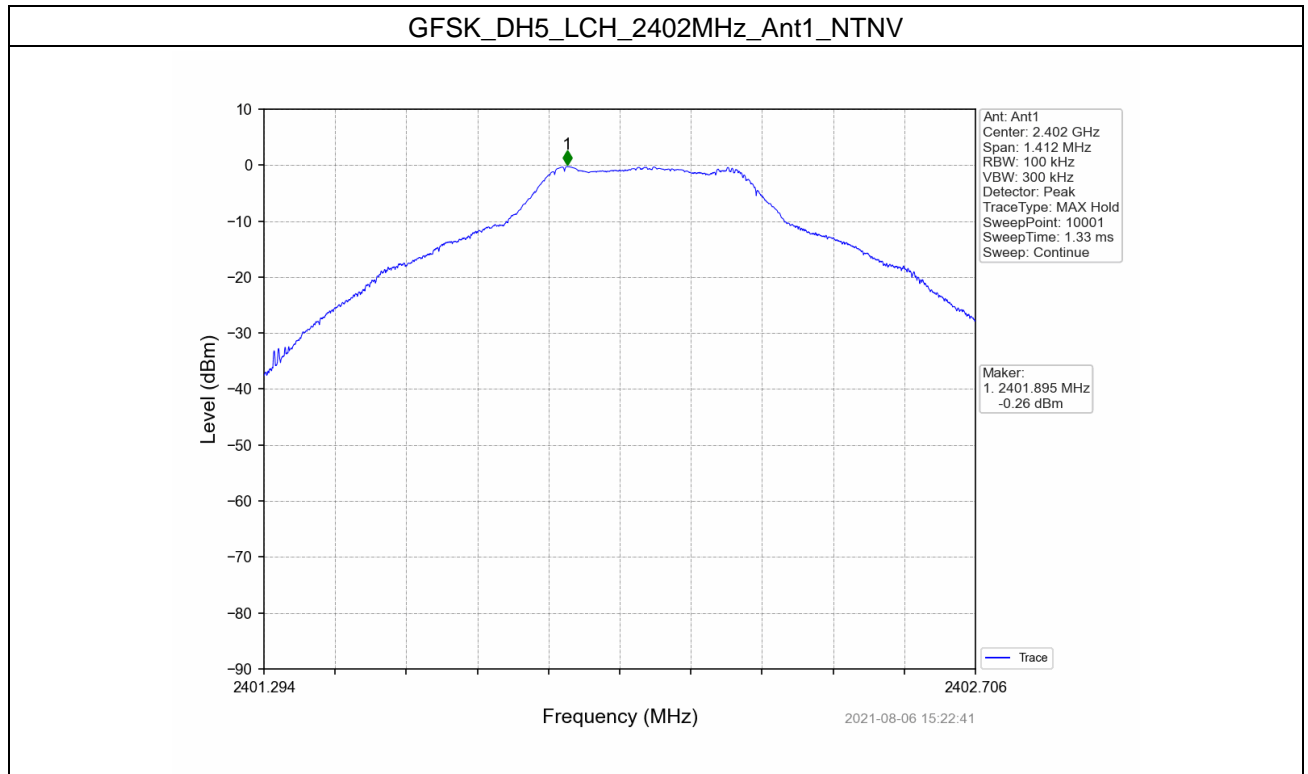
3.1 Ref

3.1.1 Test Result

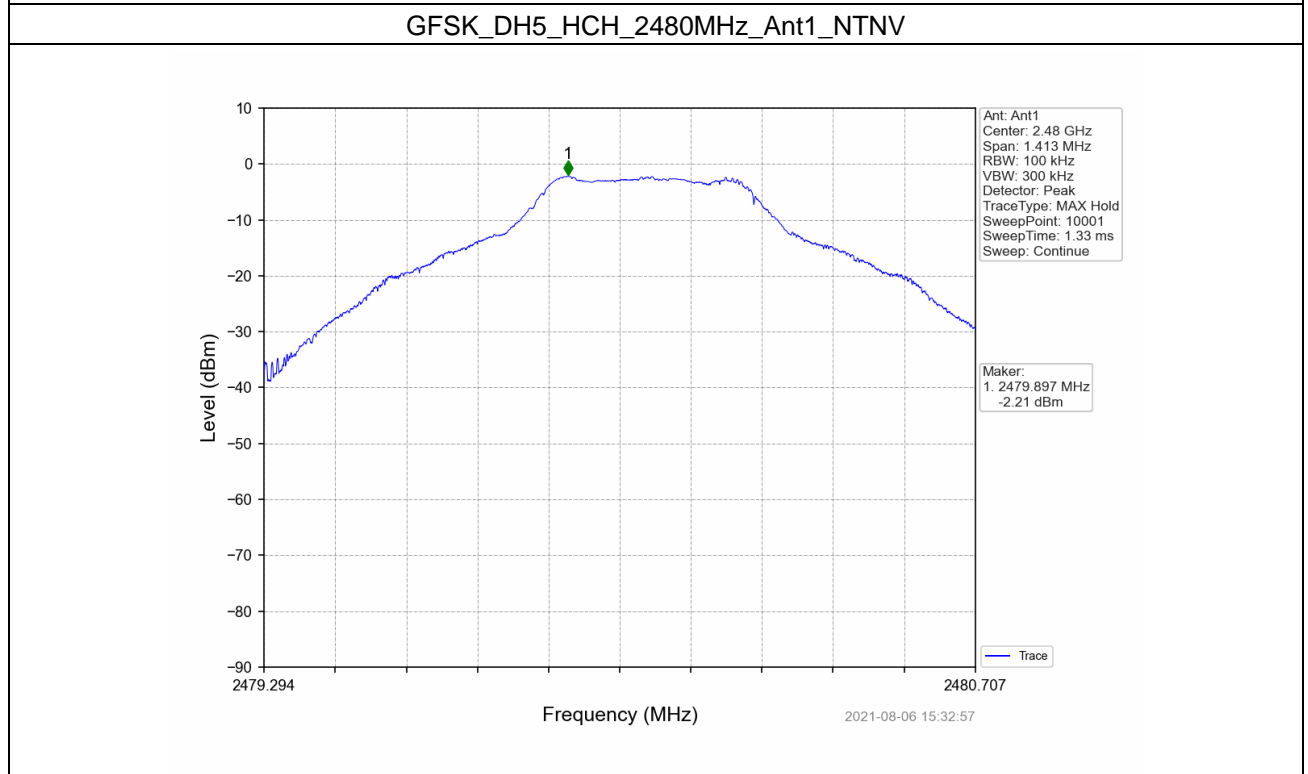
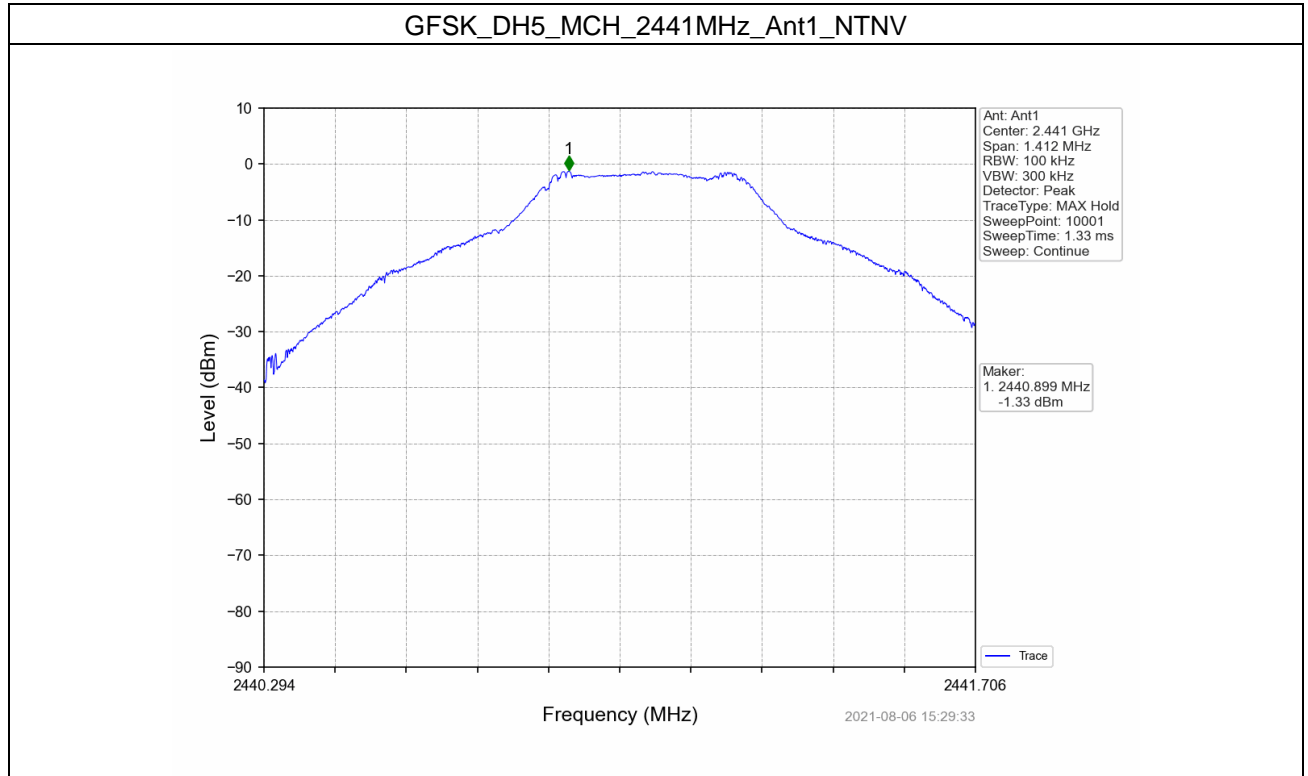
Mode	TX Type	Frequency (MHz)	Packet Type	Ant	Level of Reference (dBm)
GFSK	SISO	2402	DH5	1	-0.26
		2441	DH5	1	-1.33
		2480	DH5	1	-2.21
Pi/4DQPSK	SISO	2402	2DH5	1	-0.25
		2441	2DH5	1	-1.43
		2480	2DH5	1	-2.18
8DPSK	SISO	2402	3DH5	1	-0.26
		2441	3DH5	1	-1.30
		2480	3DH5	1	-2.16

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.

3.1.2 Test Graph



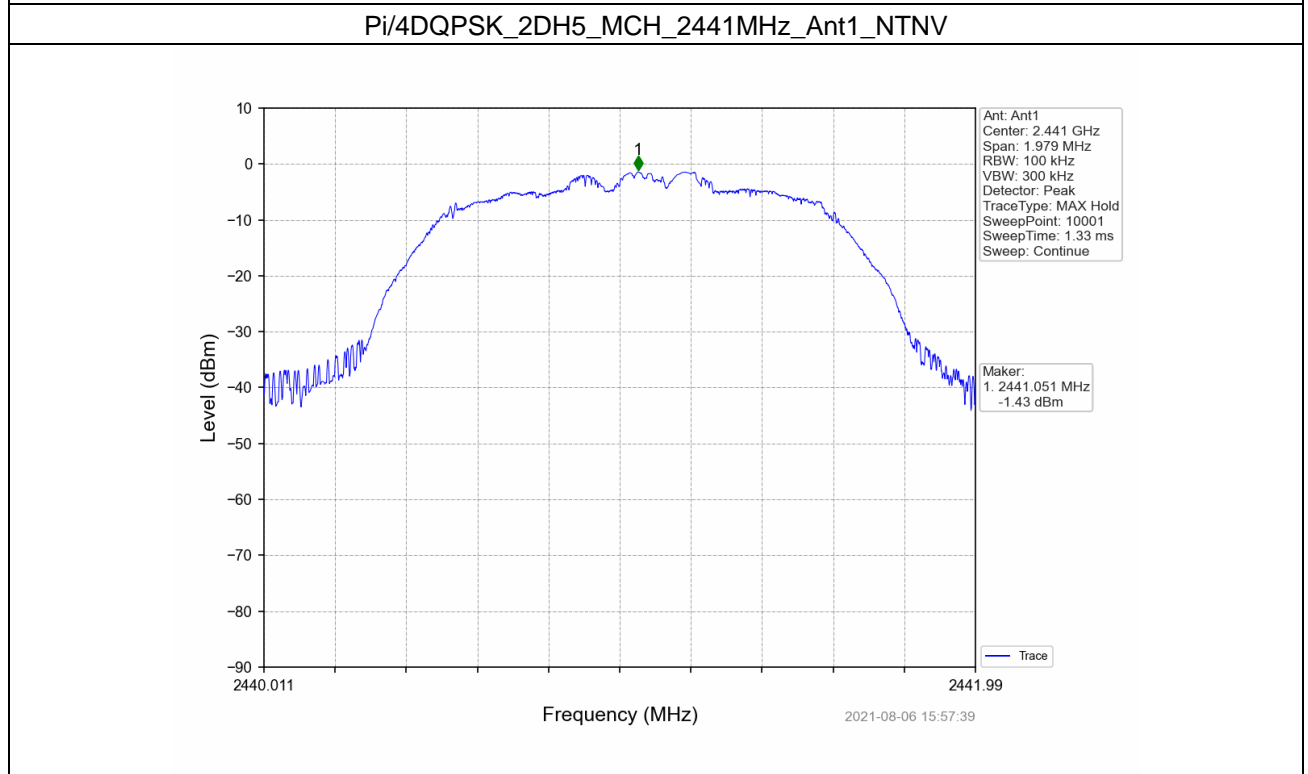
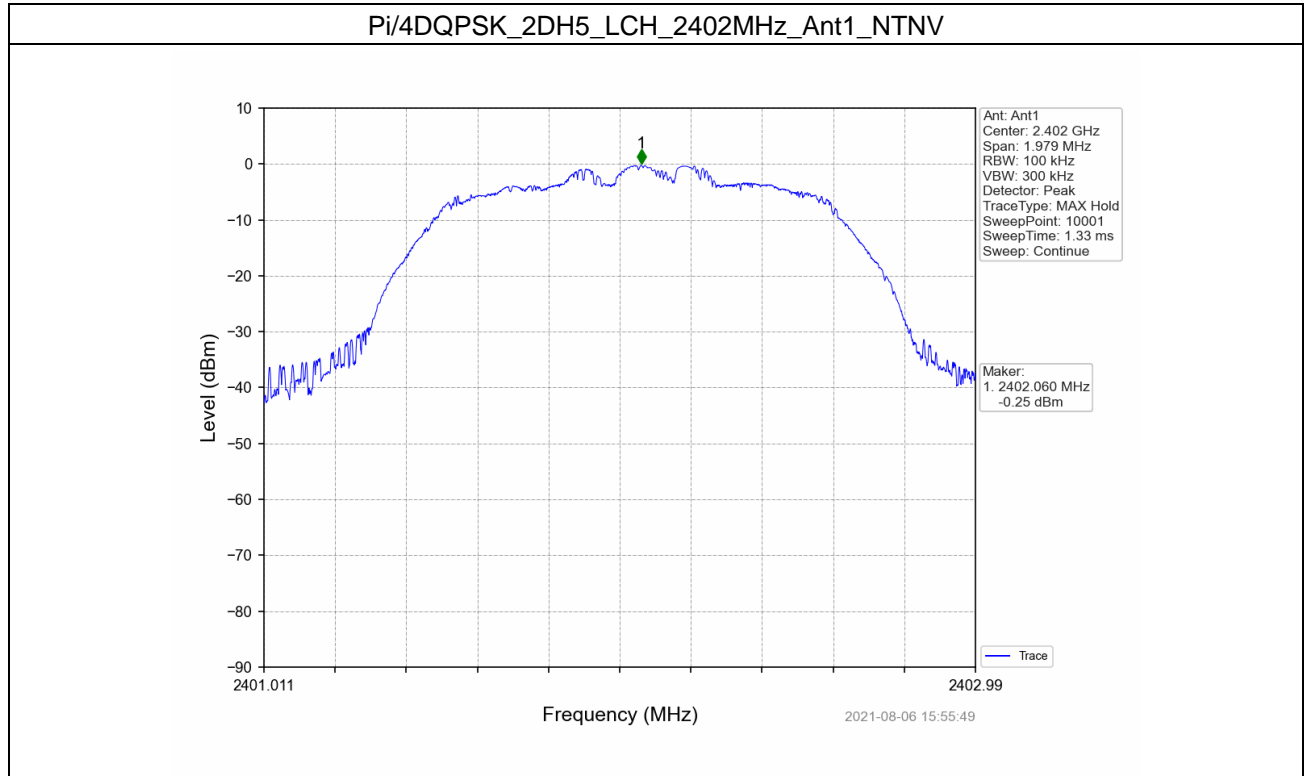
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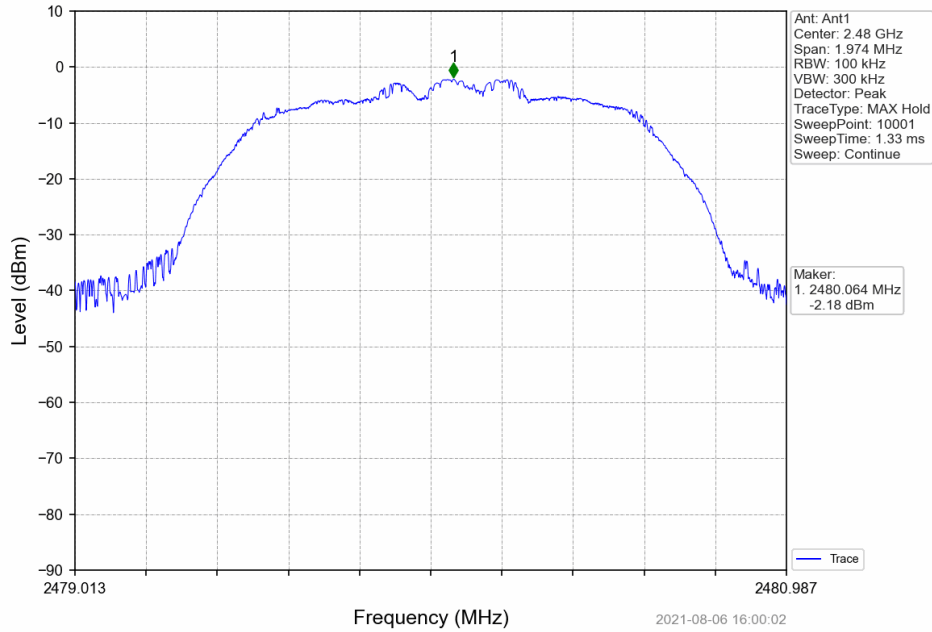
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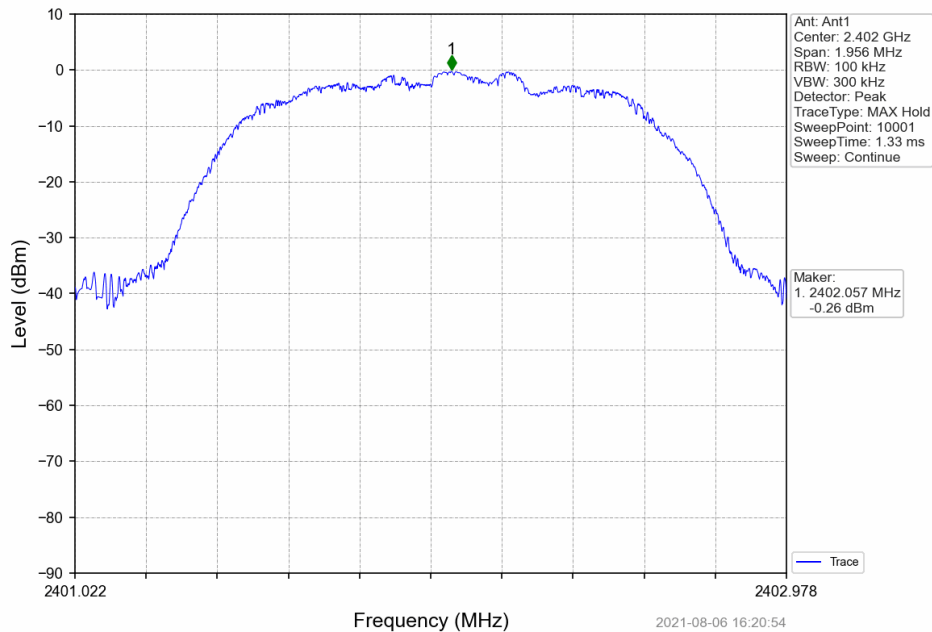


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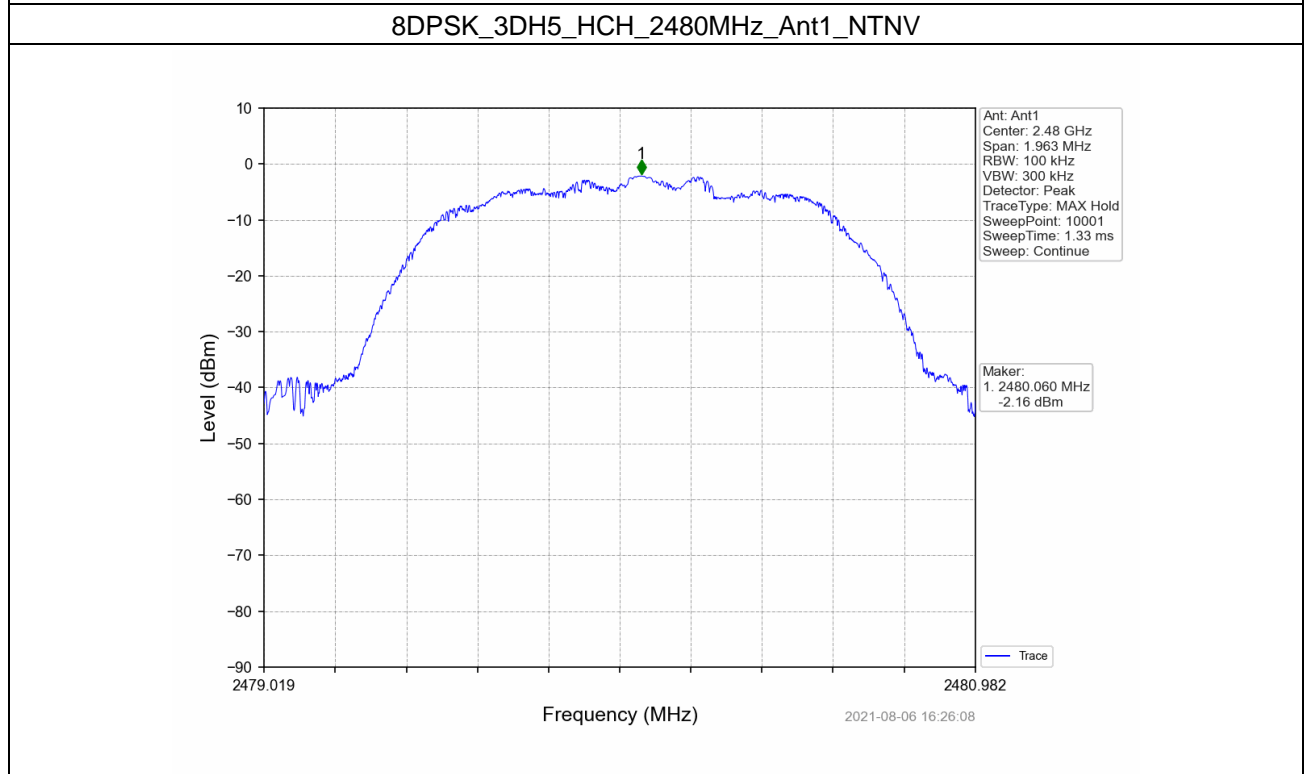
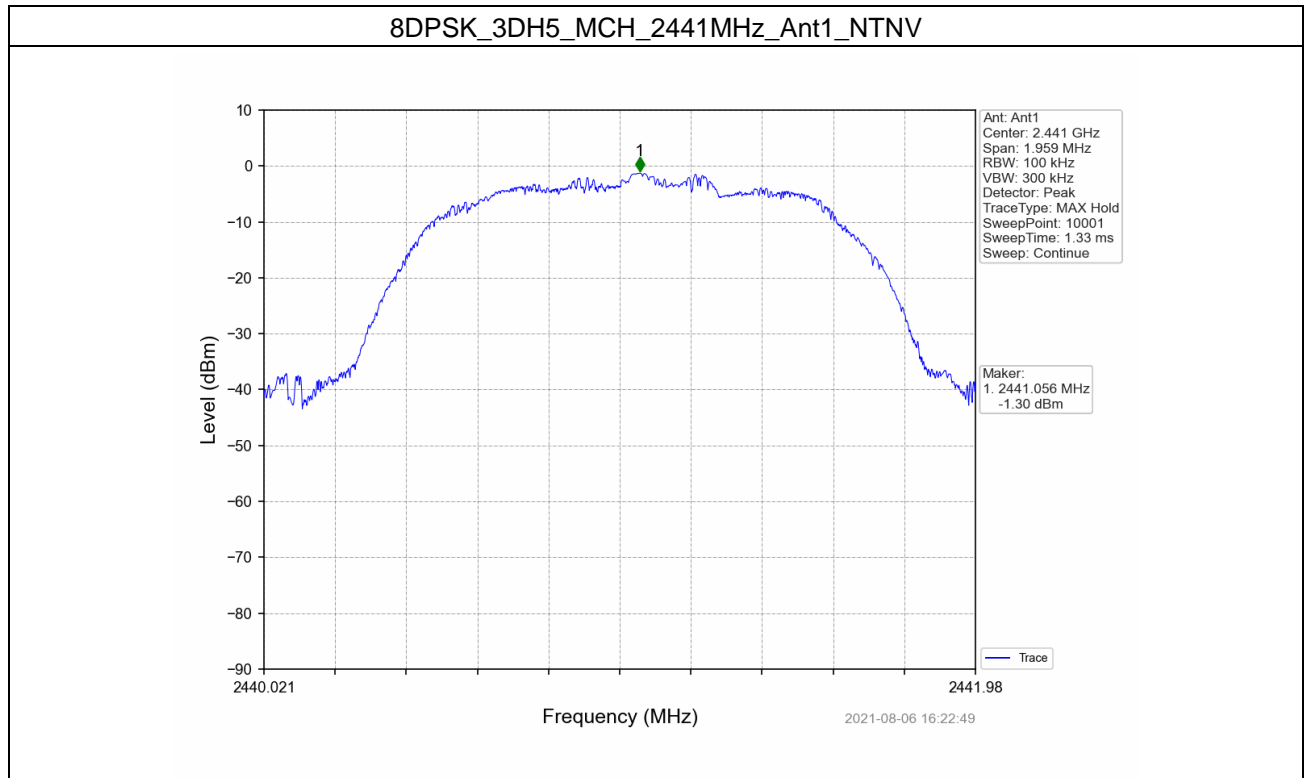
Pi/4DQPSK_2DH5_HCH_2480MHz_Ant1_NTNV



8DPSK_3DH5_LCH_2402MHz_Ant1_NTNV



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3.2 CSE

3.2.1 Test Result

Mode	TX Type	Frequency (MHz)	Packet Type	Ant	Level of Reference (dBm)	Limit (dBm)	Verdict
GFSK	SISO	2402	DH5	1	-0.26	-20.26	Pass
		2441	DH5	1	-0.26	-20.26	Pass
		2480	DH5	1	-0.26	-20.26	Pass
		HOPP	DH5	1	-0.26	-20.26	Pass
Pi/4DQPSK	SISO	2402	2DH5	1	-0.25	-20.25	Pass
		2441	2DH5	1	-0.25	-20.25	Pass
		2480	2DH5	1	-0.25	-20.25	Pass
		HOPP	2DH5	1	-0.25	-20.25	Pass
8DPSK	SISO	2402	3DH5	1	-0.26	-20.26	Pass
		2441	3DH5	1	-0.26	-20.26	Pass
		2480	3DH5	1	-0.26	-20.26	Pass
		HOPP	3DH5	1	-0.26	-20.26	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.

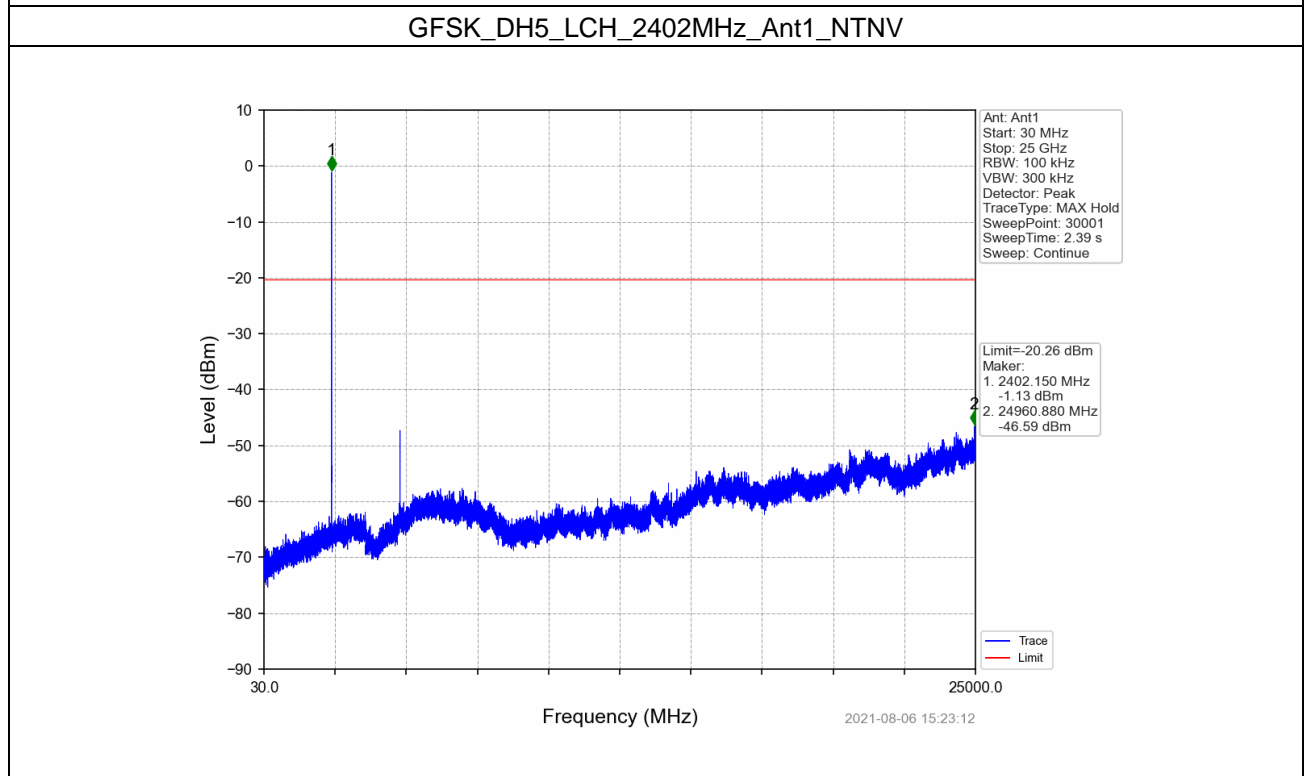
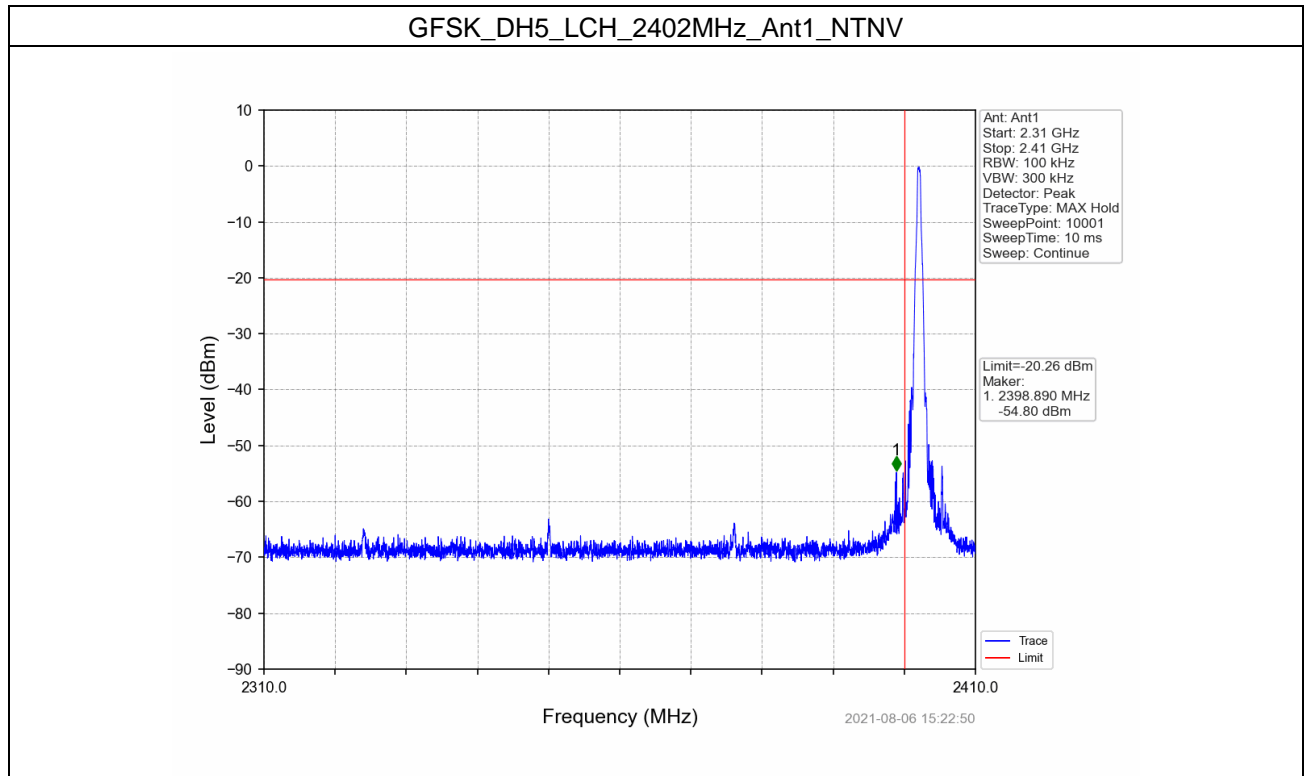


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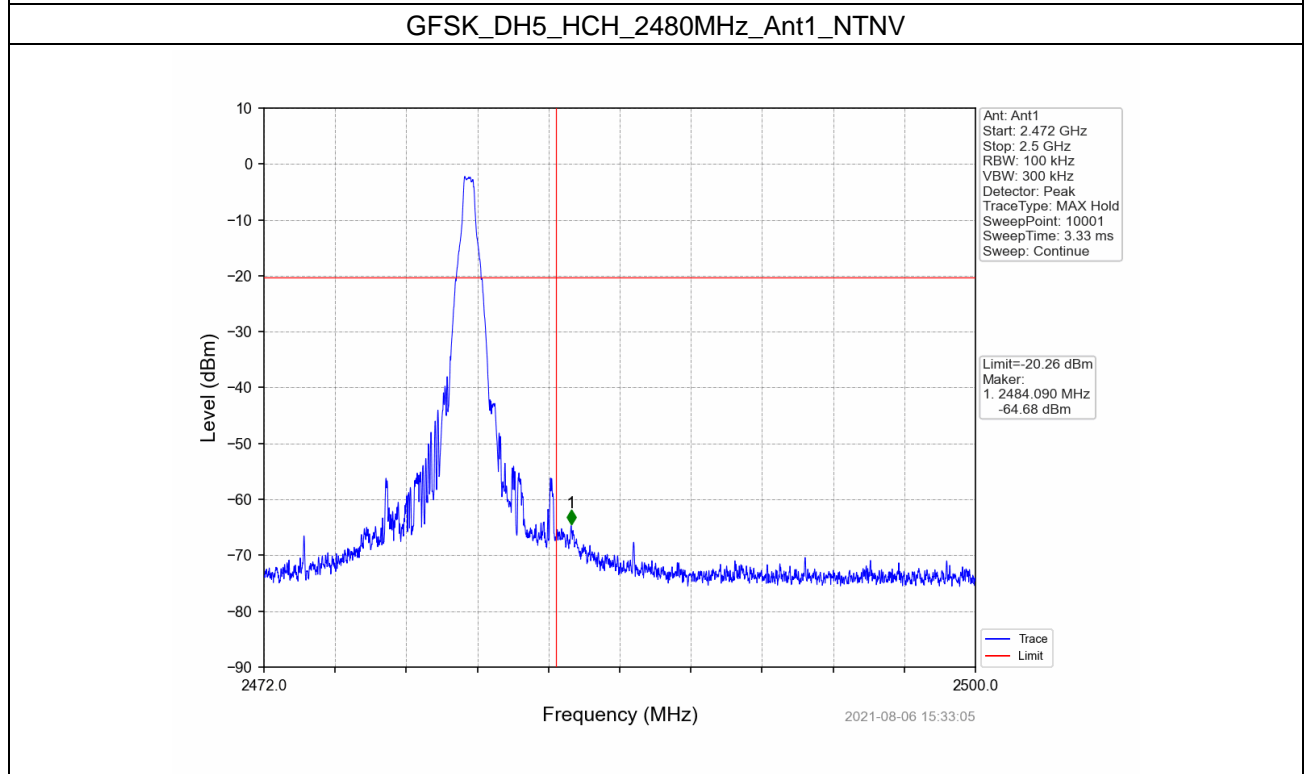
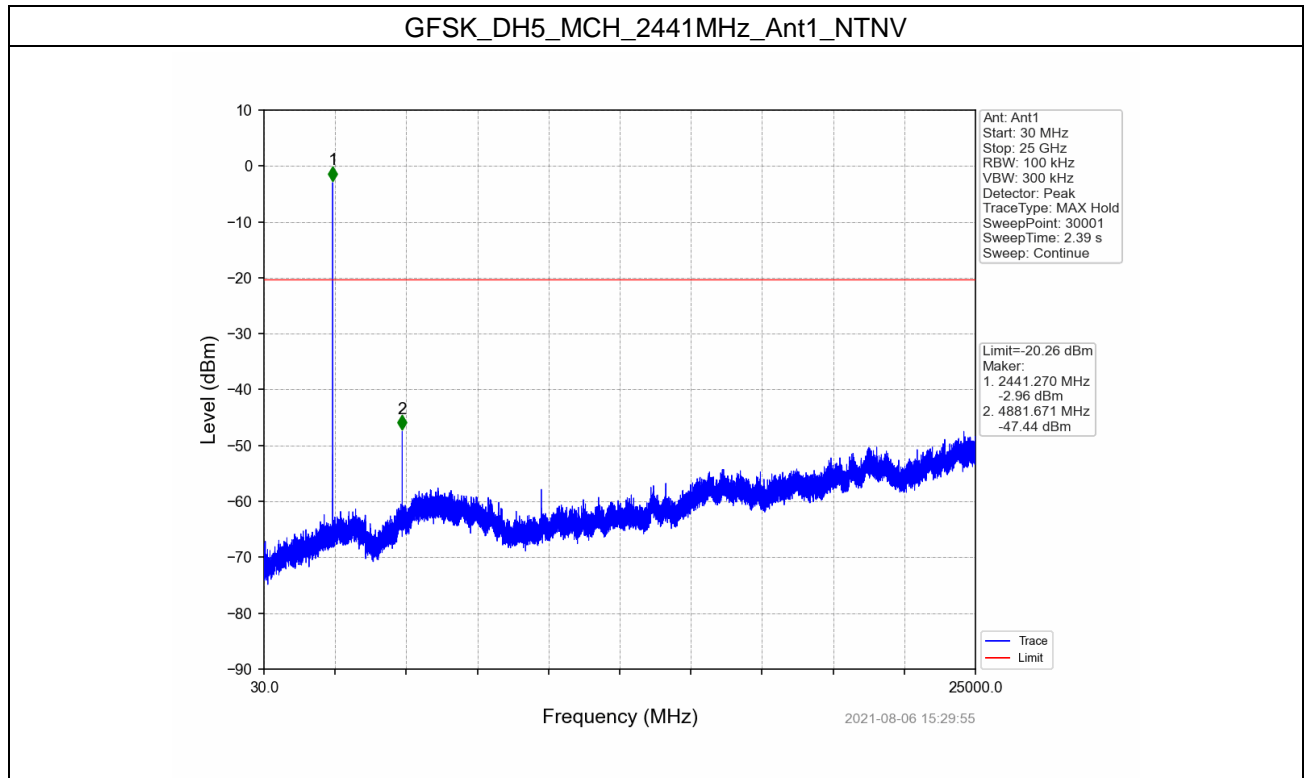
3.2.2 Test Graph



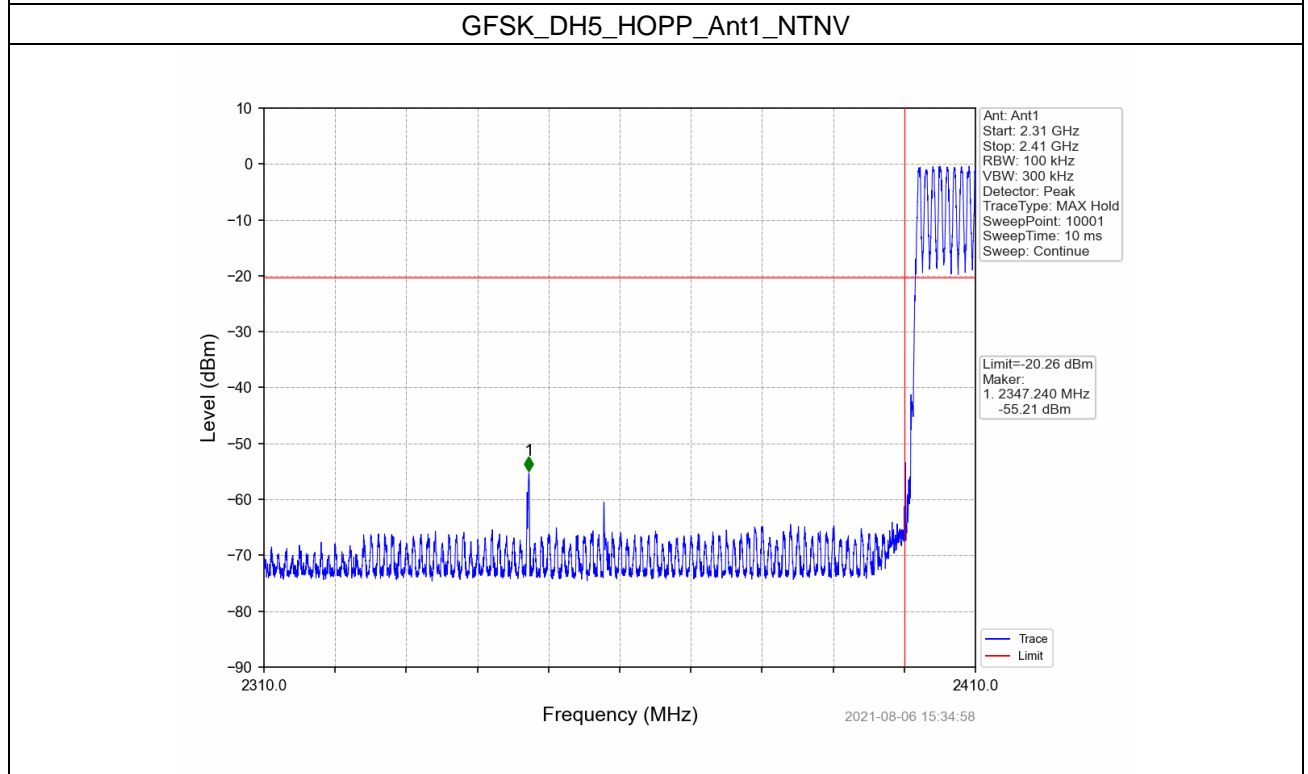
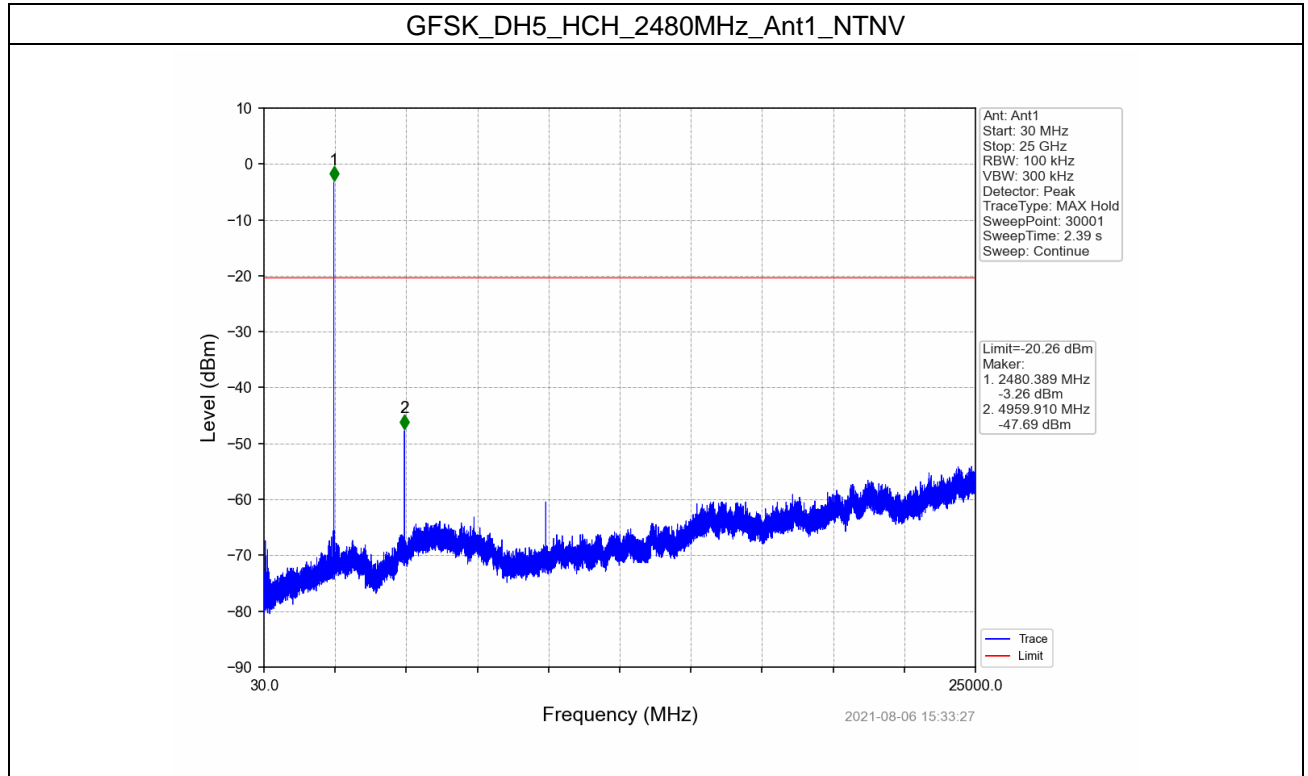
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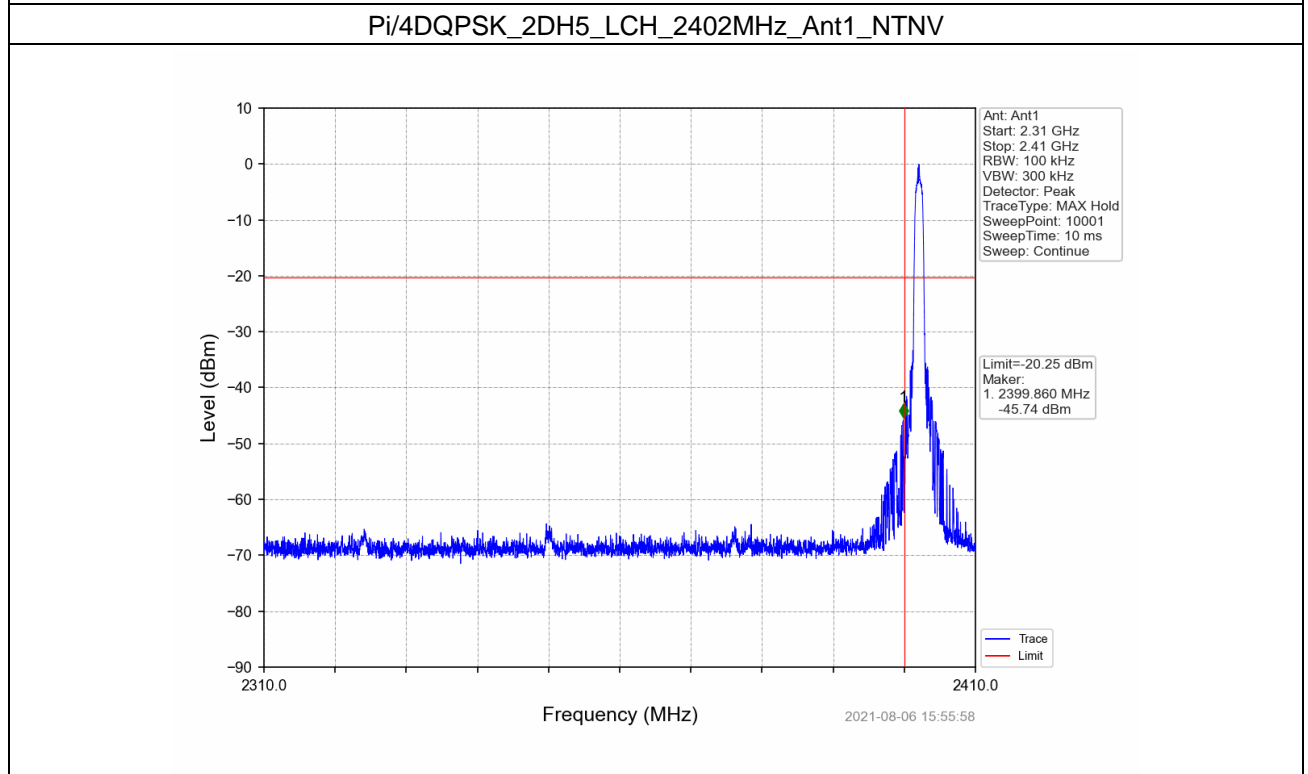
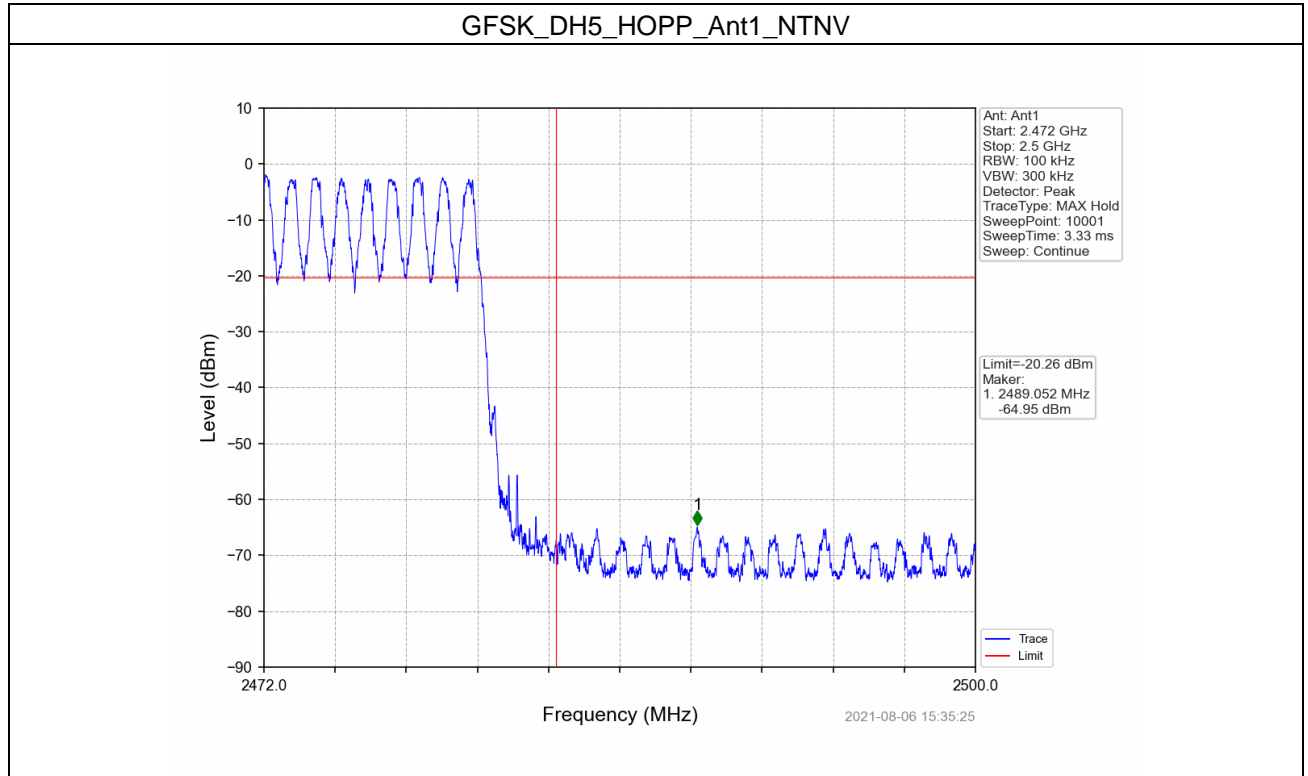
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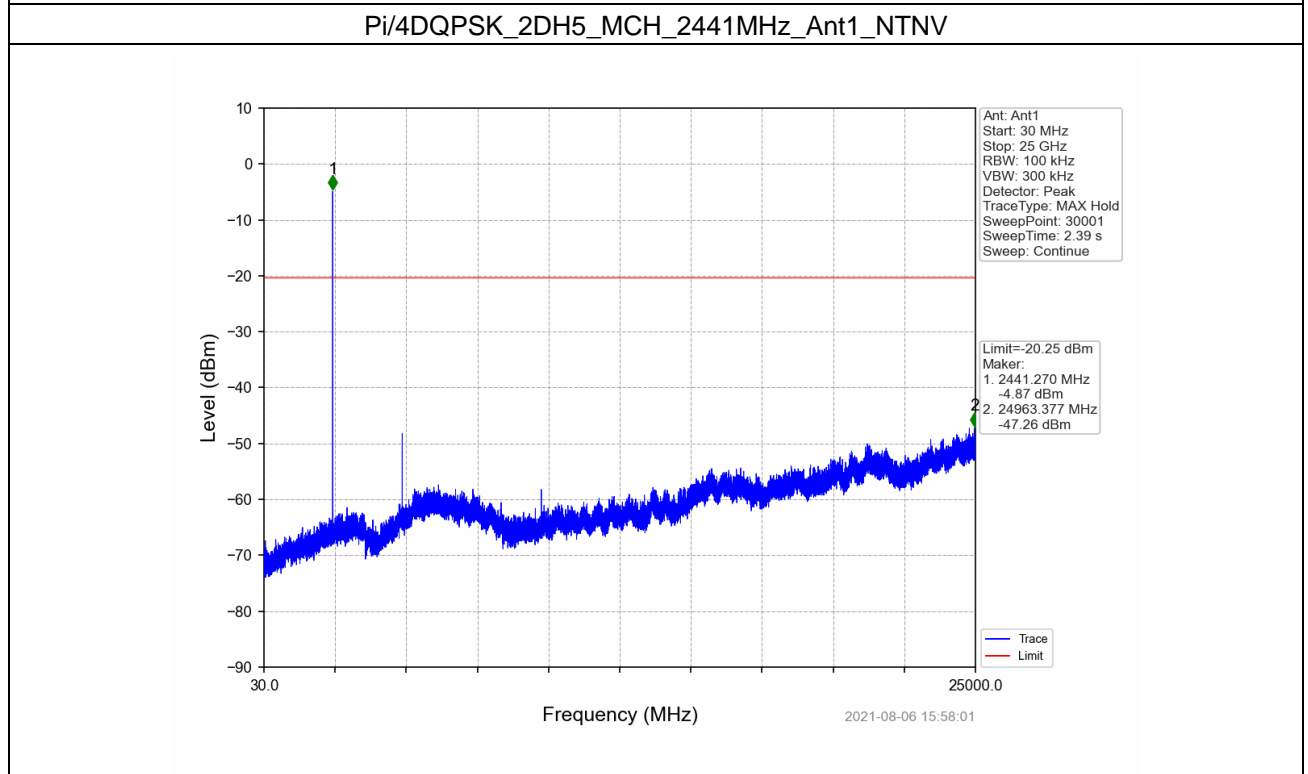
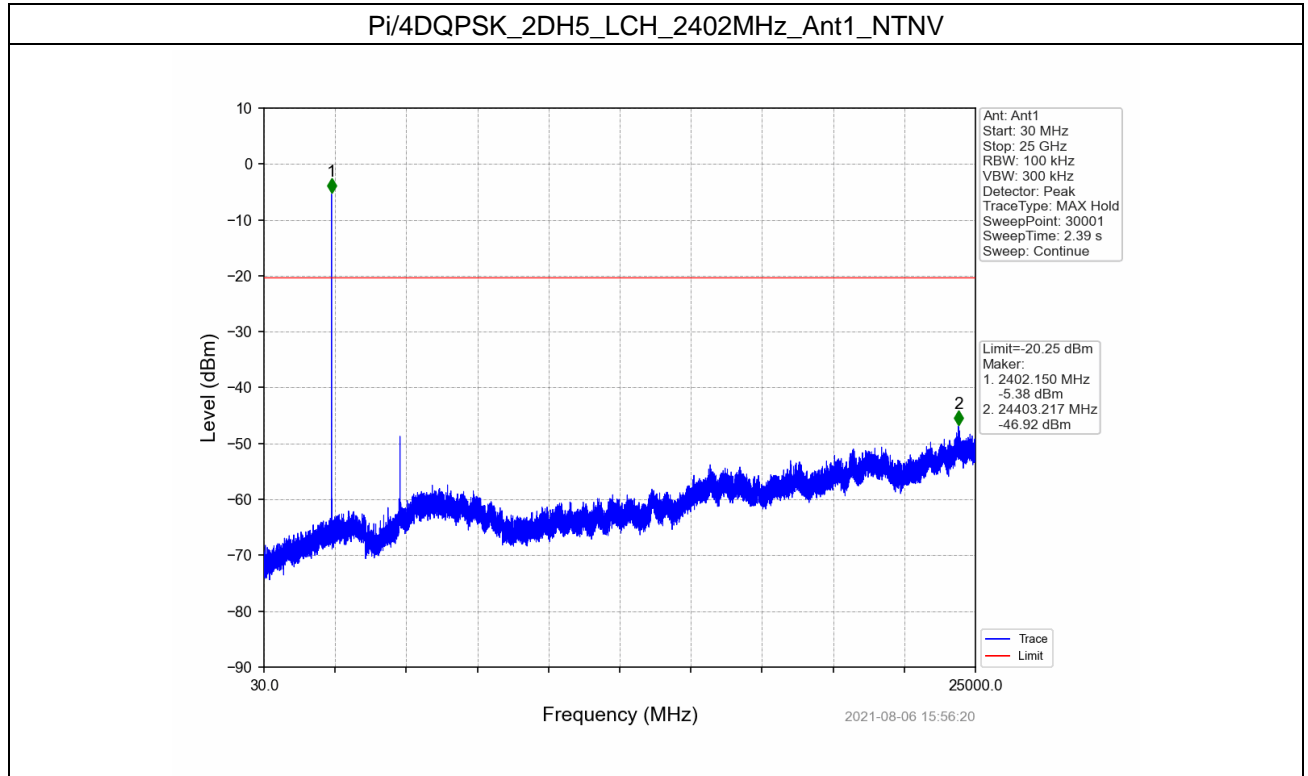
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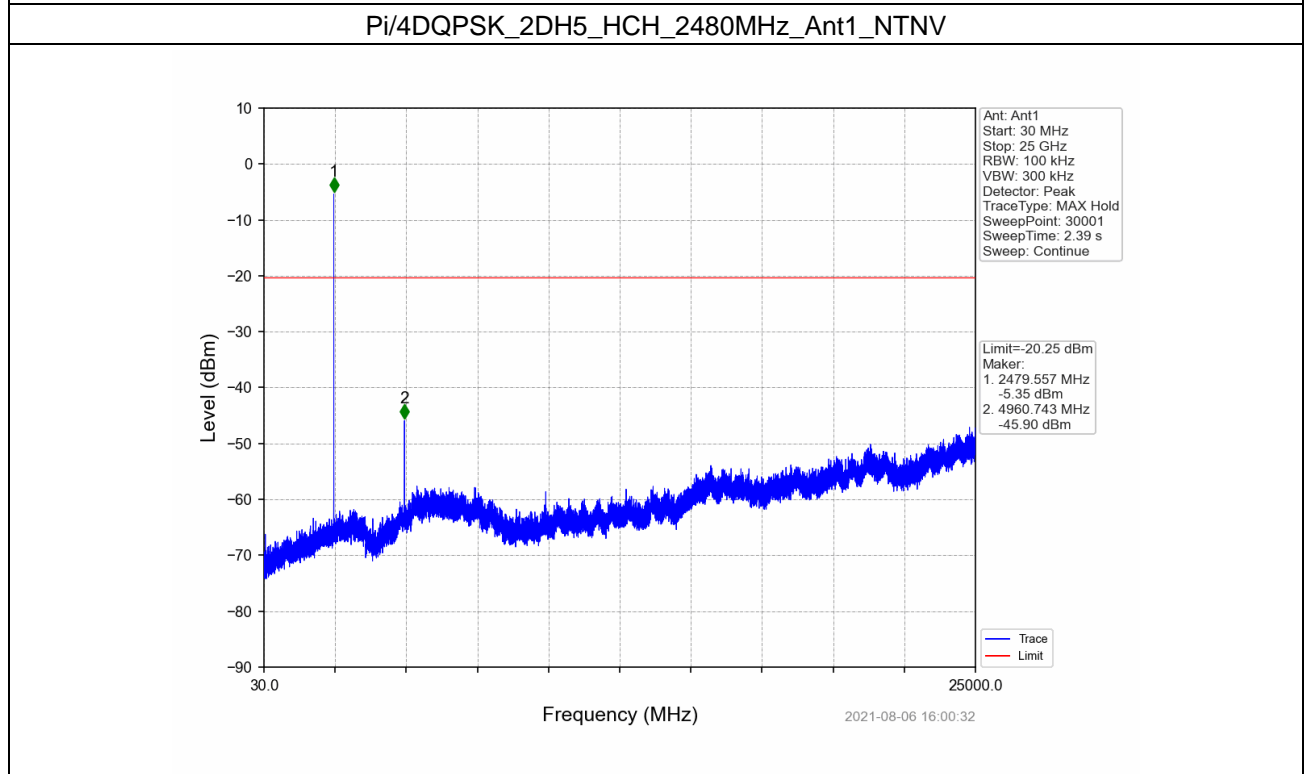
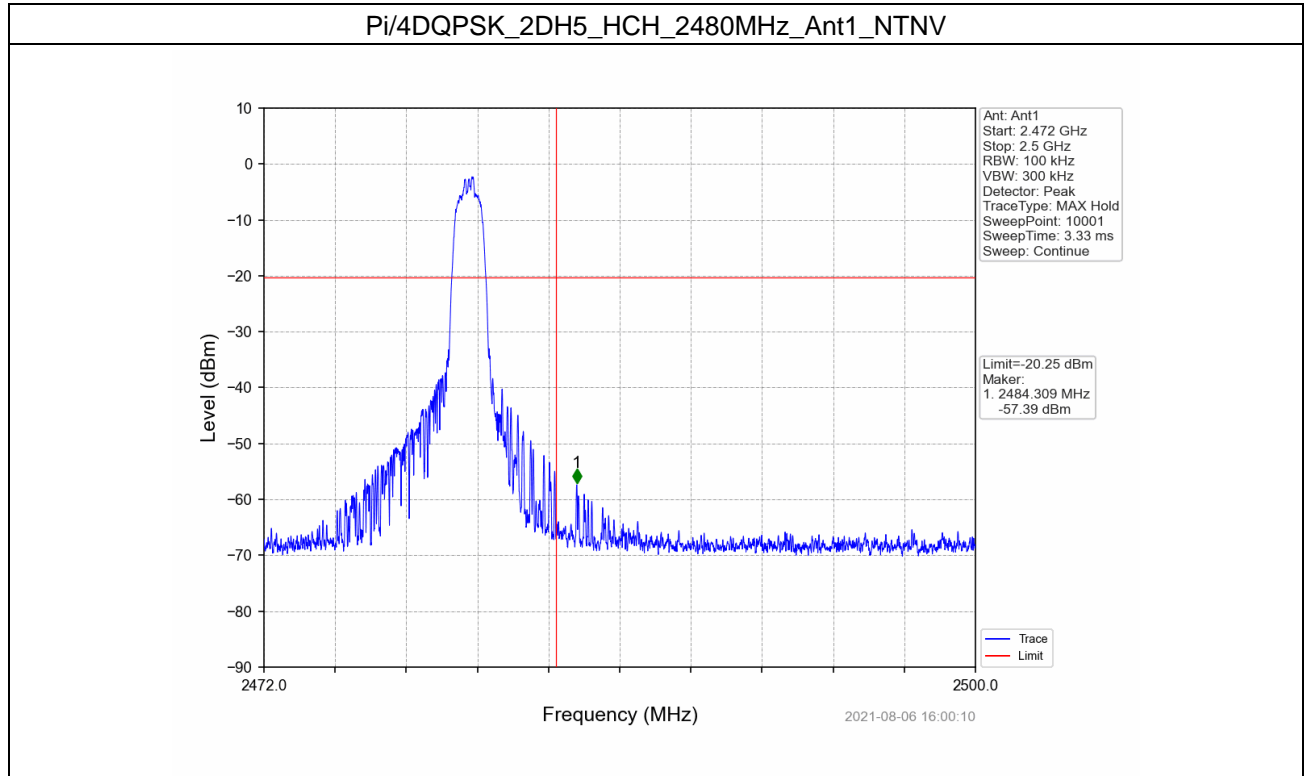


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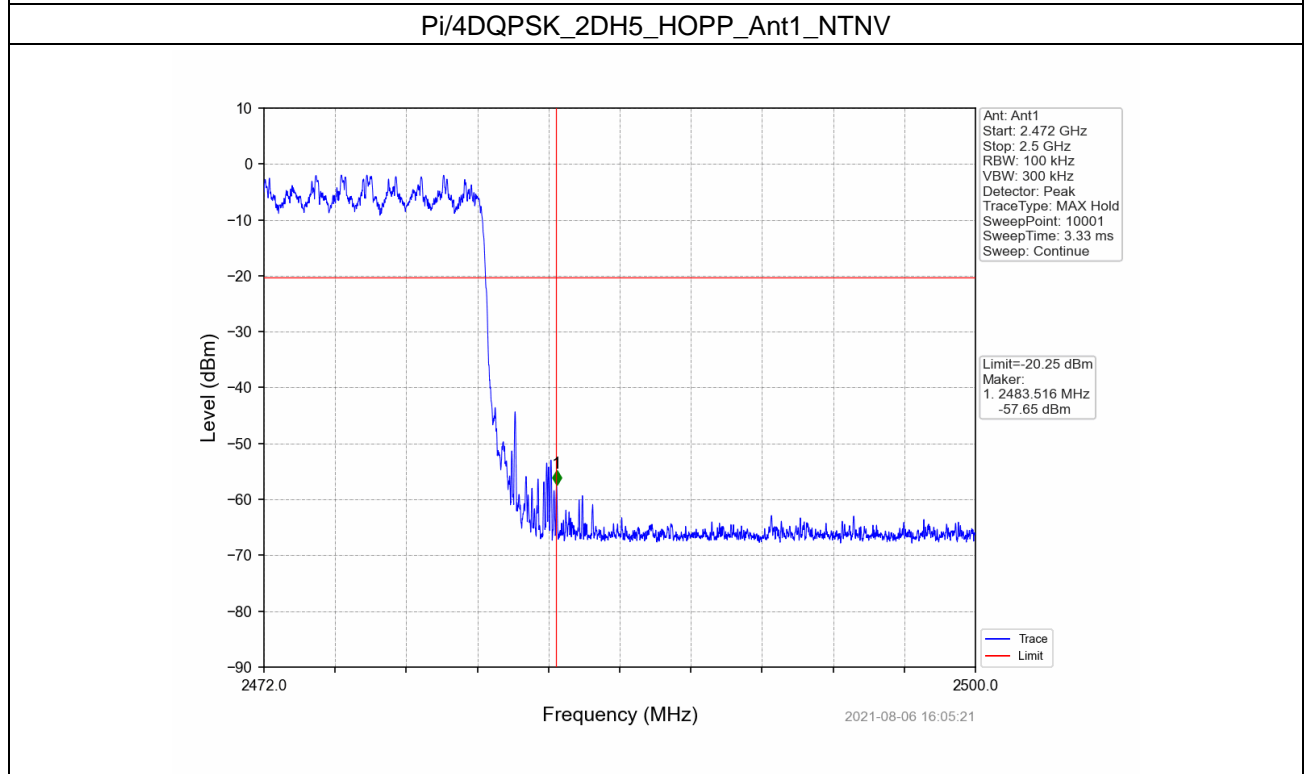
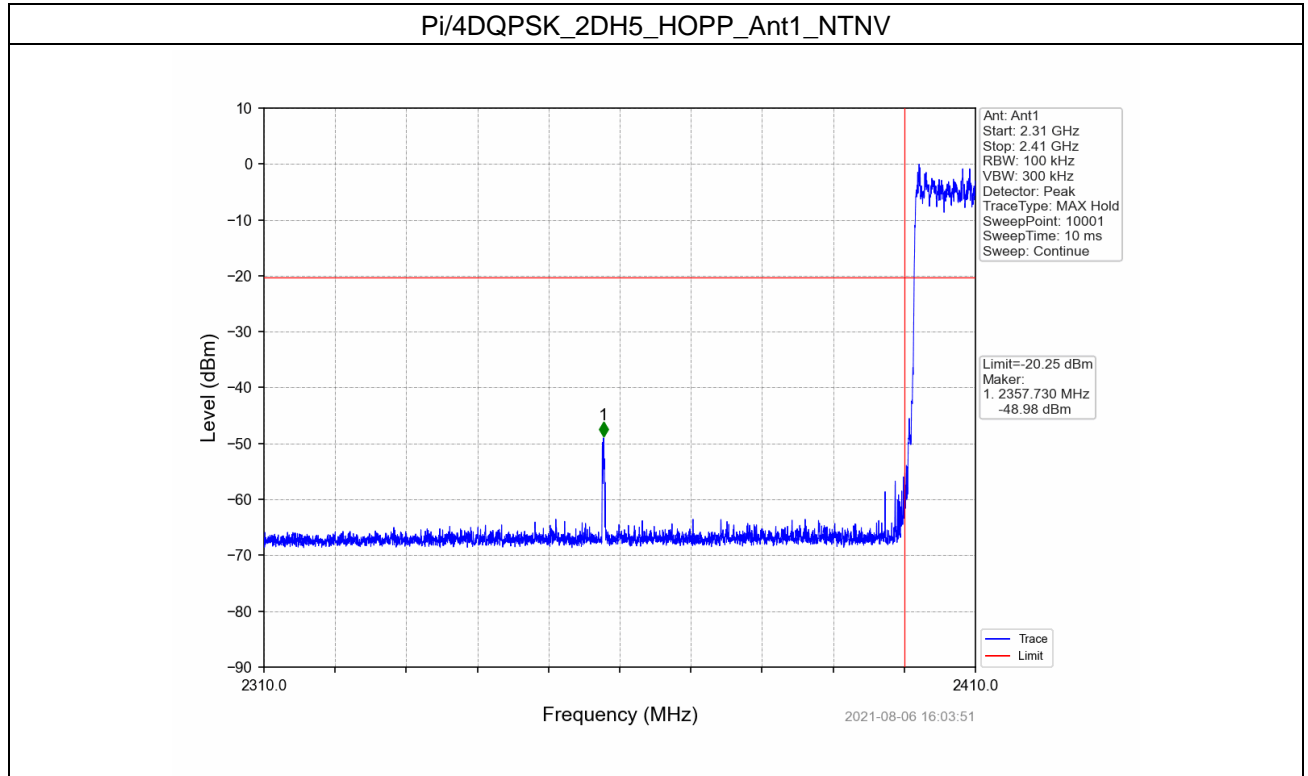
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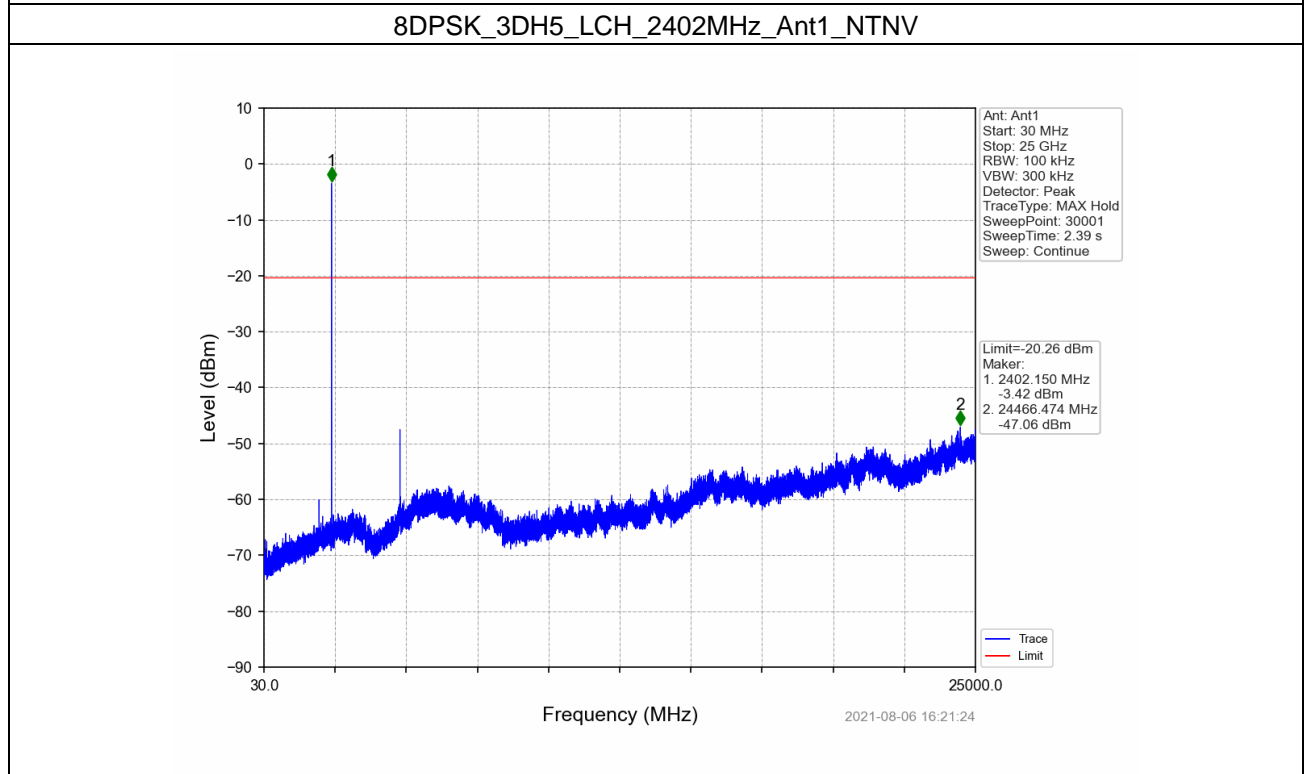
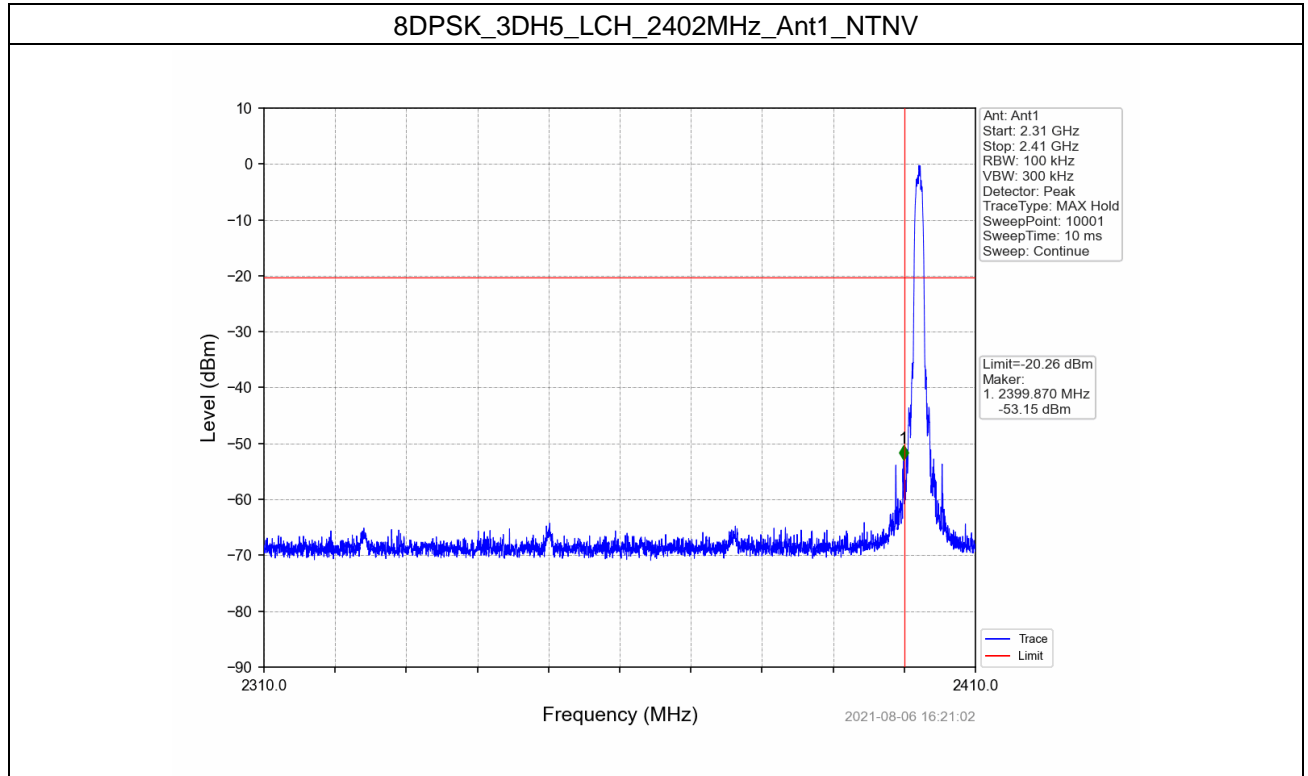
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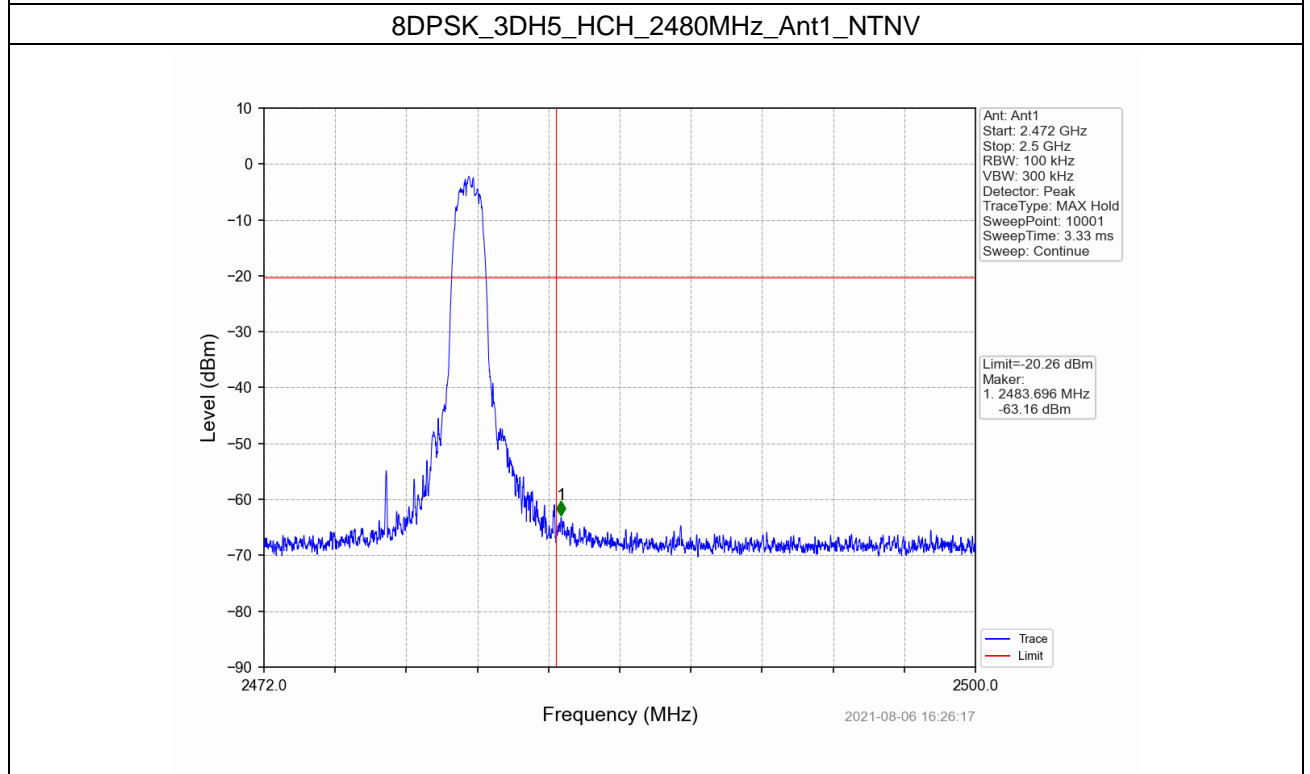
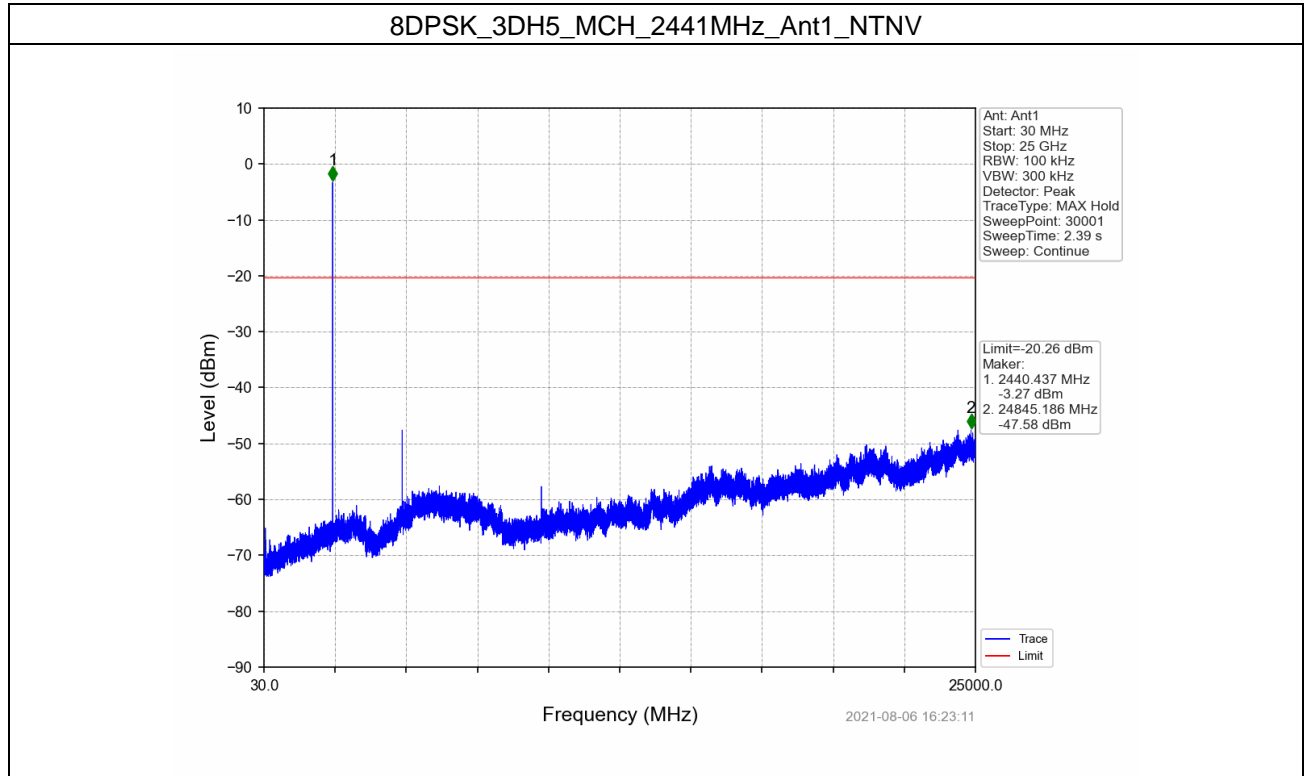
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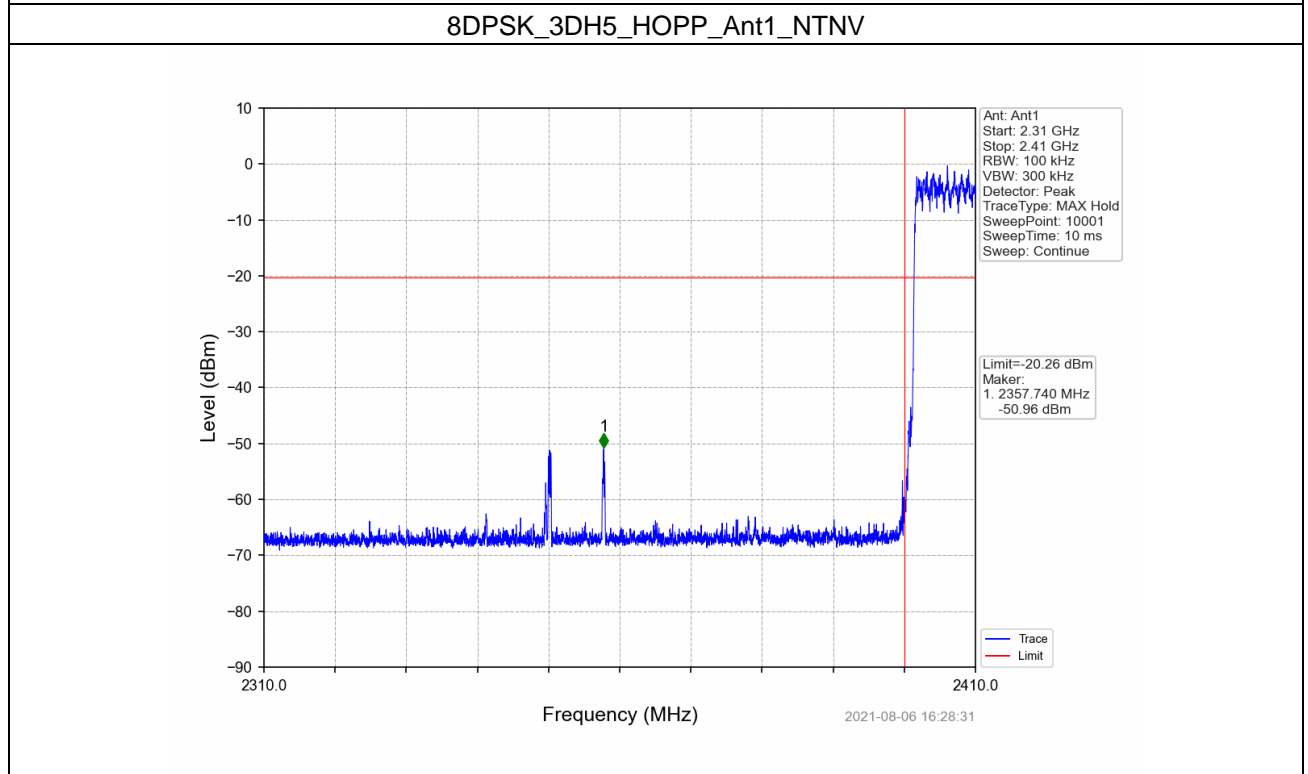
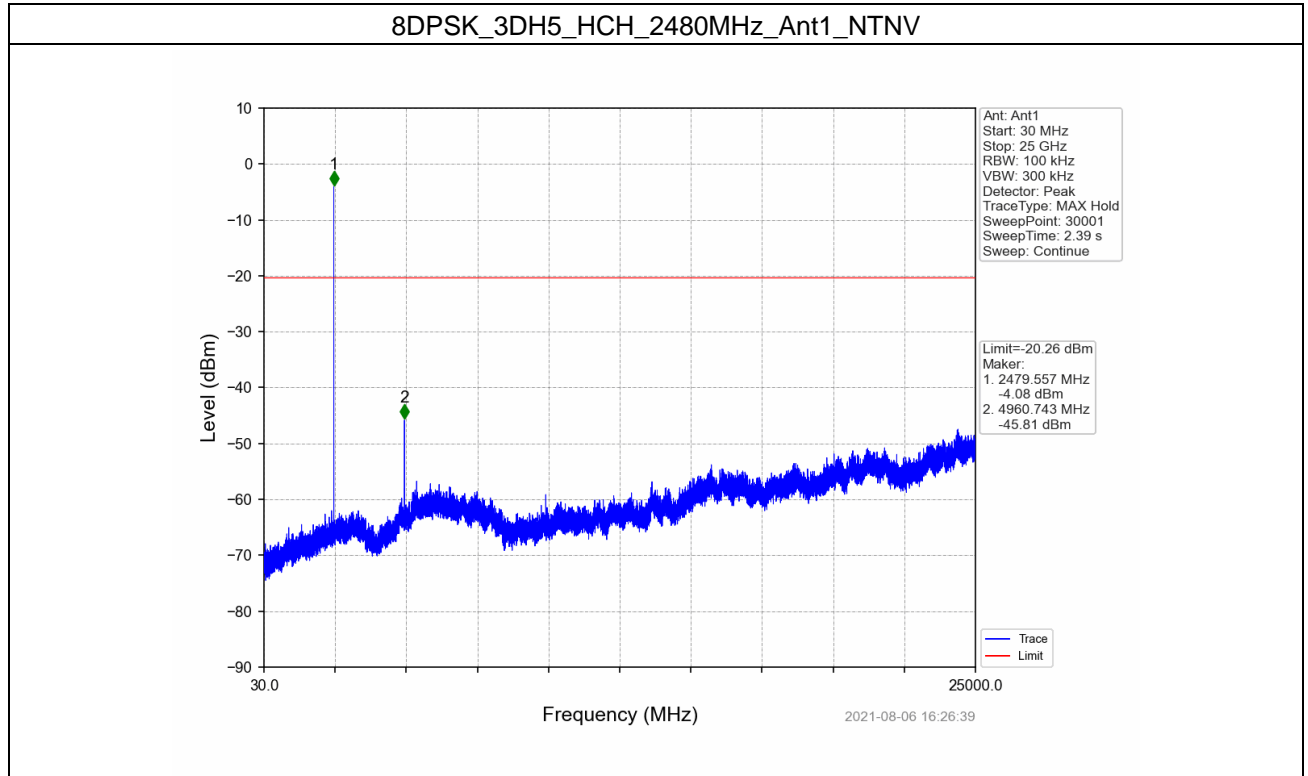
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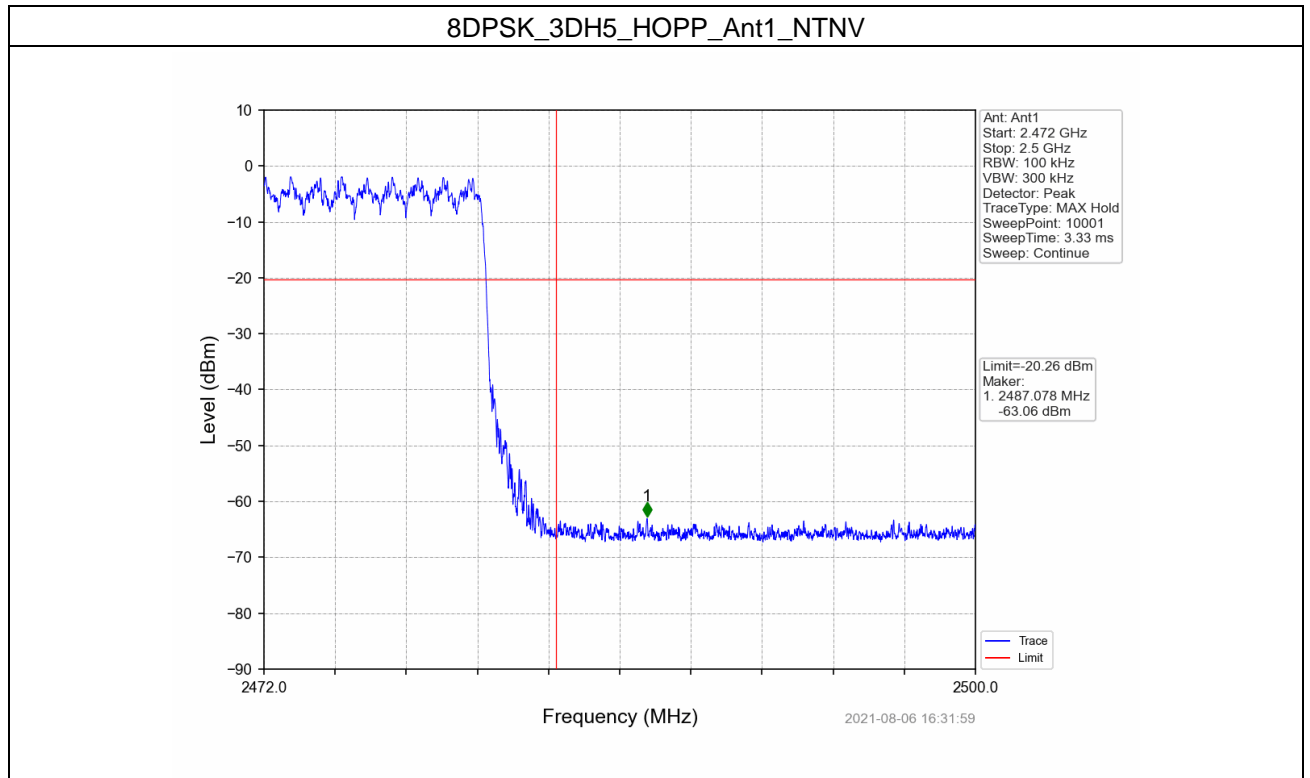
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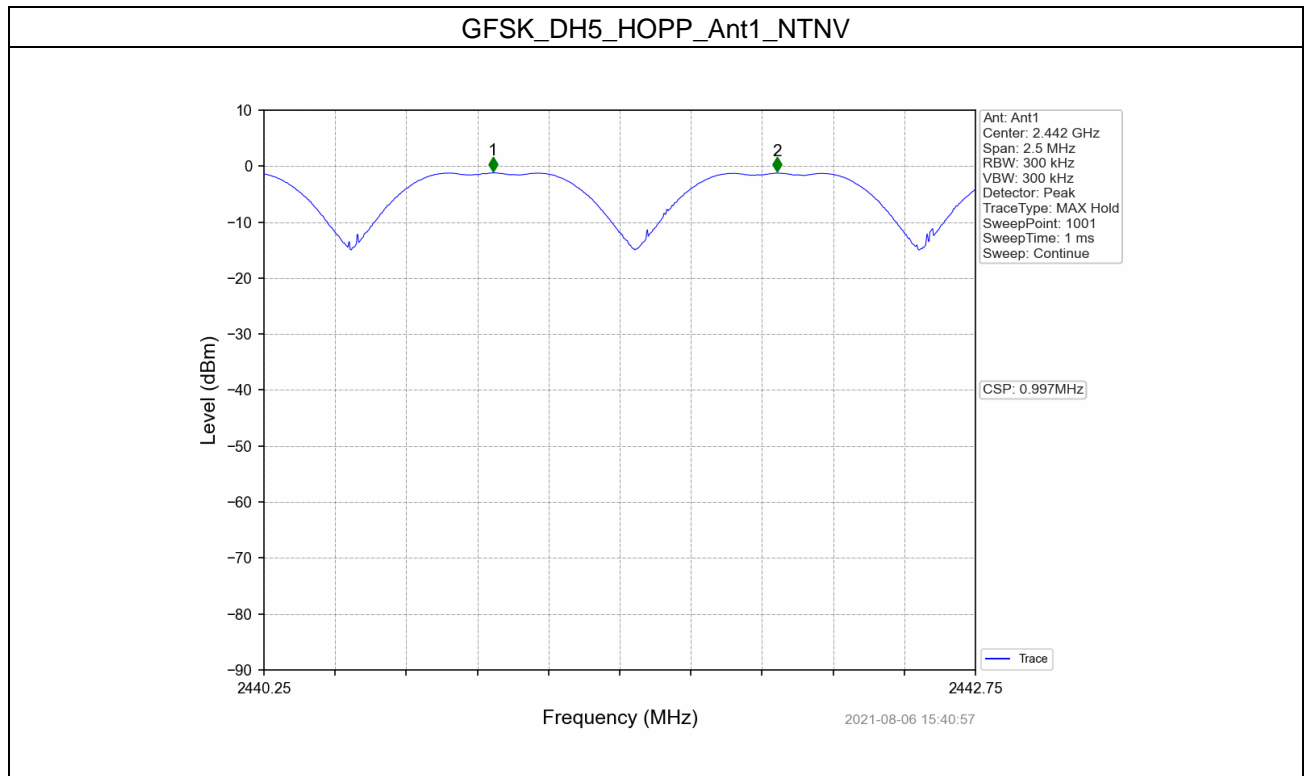
4. Carrier Frequency Separation

4.1 Ant1

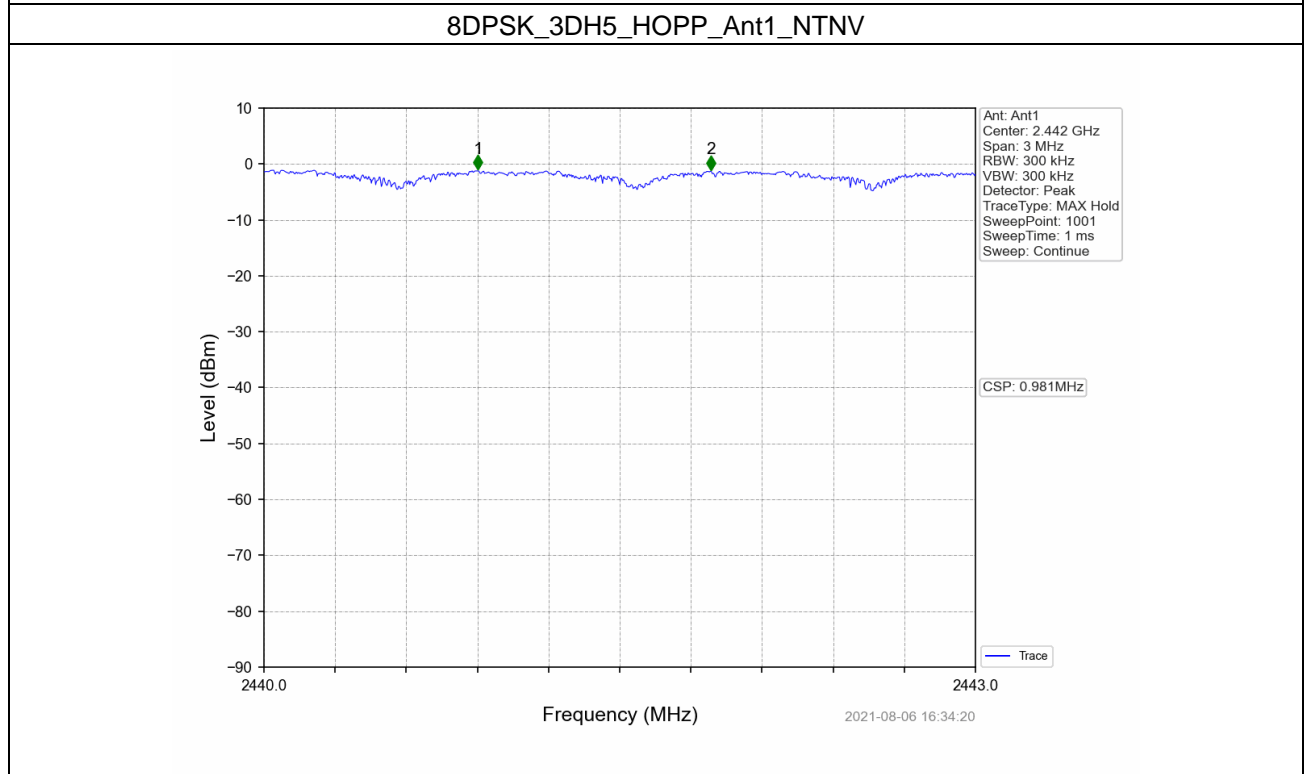
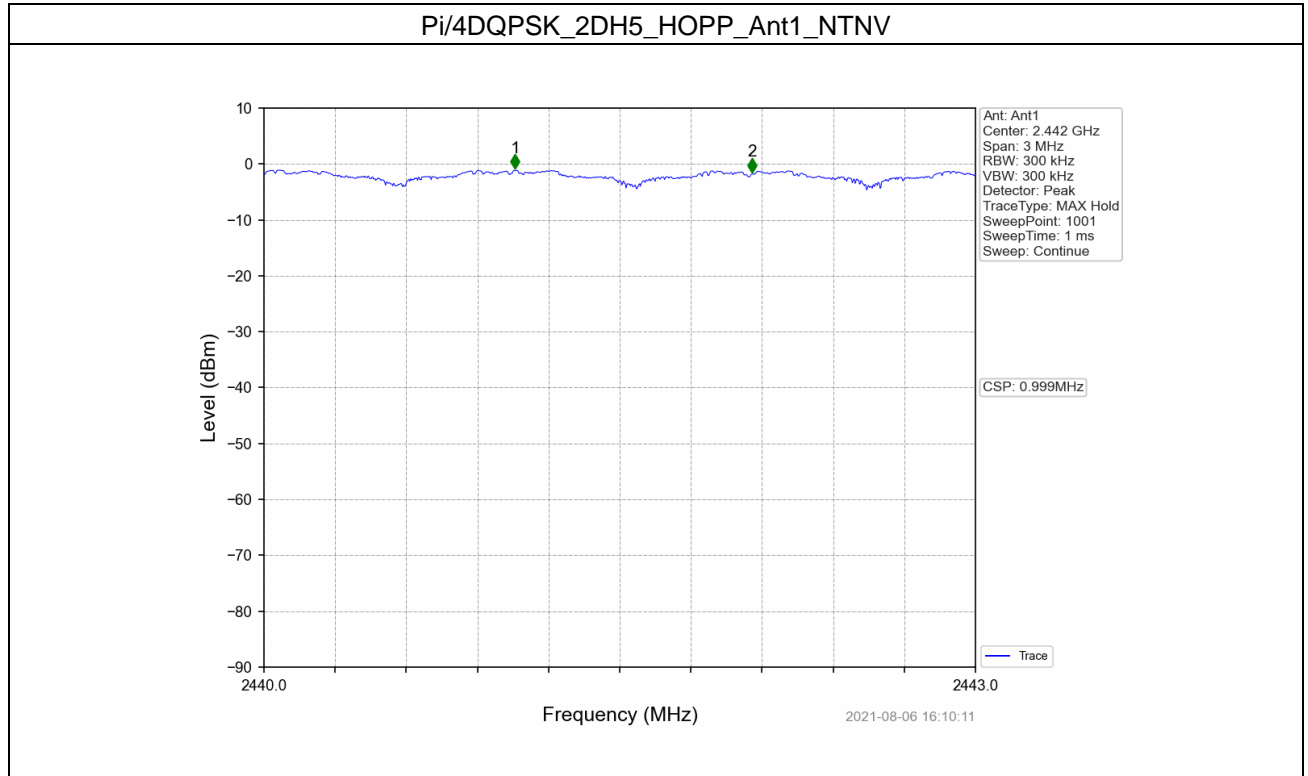
4.1.1 Test Result

Ant1							
Mode	TX Type	Frequency (MHz)	Packet Type	Channel Separation (MHz)	20dB Bandwidth (MHz)	Limit (MHz)	Verdict
GFSK	SISO	HOPP	DH5	0.997	0.941	≥ 0.941	Pass
Pi/4DQPSK	SISO	HOPP	2DH5	0.999	1.316	≥ 0.877	Pass
8DPSK	SISO	HOPP	3DH5	0.981	1.306	≥ 0.871	Pass

4.1.2 Test Graph



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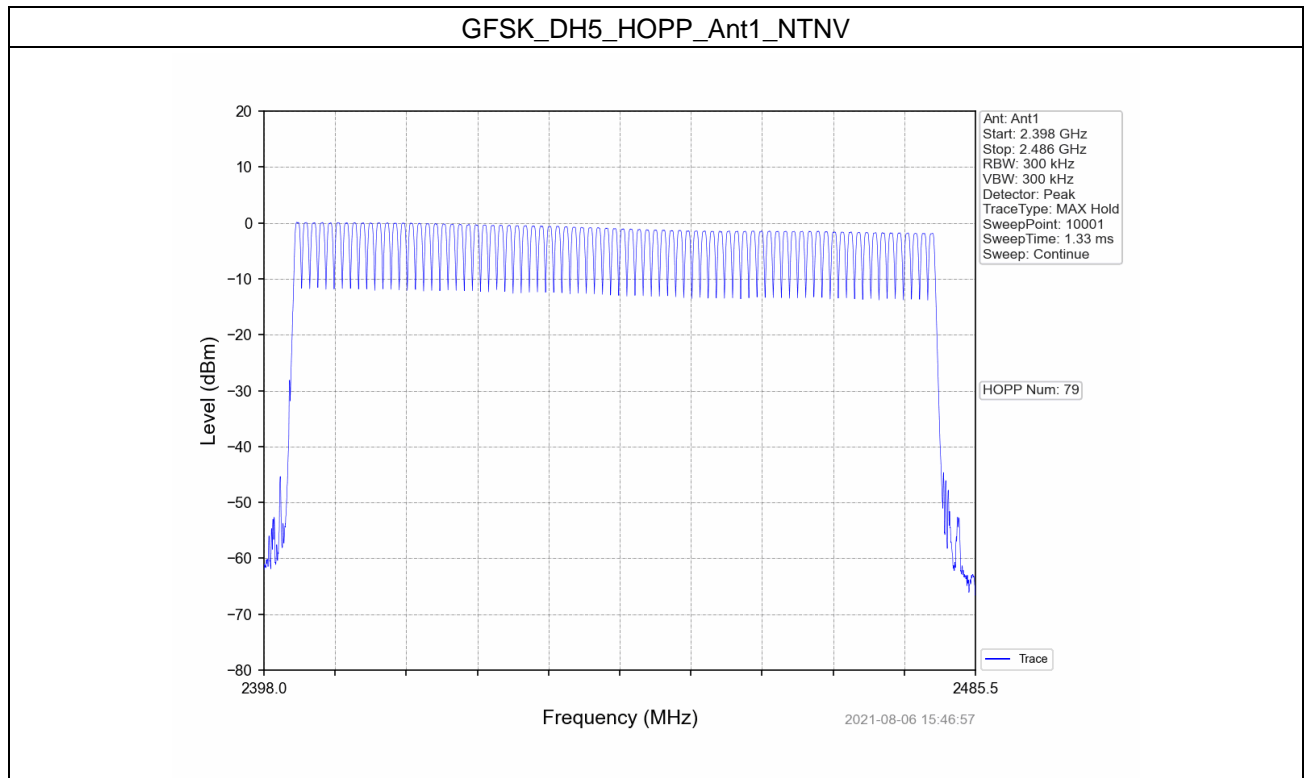
5. Number of Hopping Frequencies

5.1 HoppNum

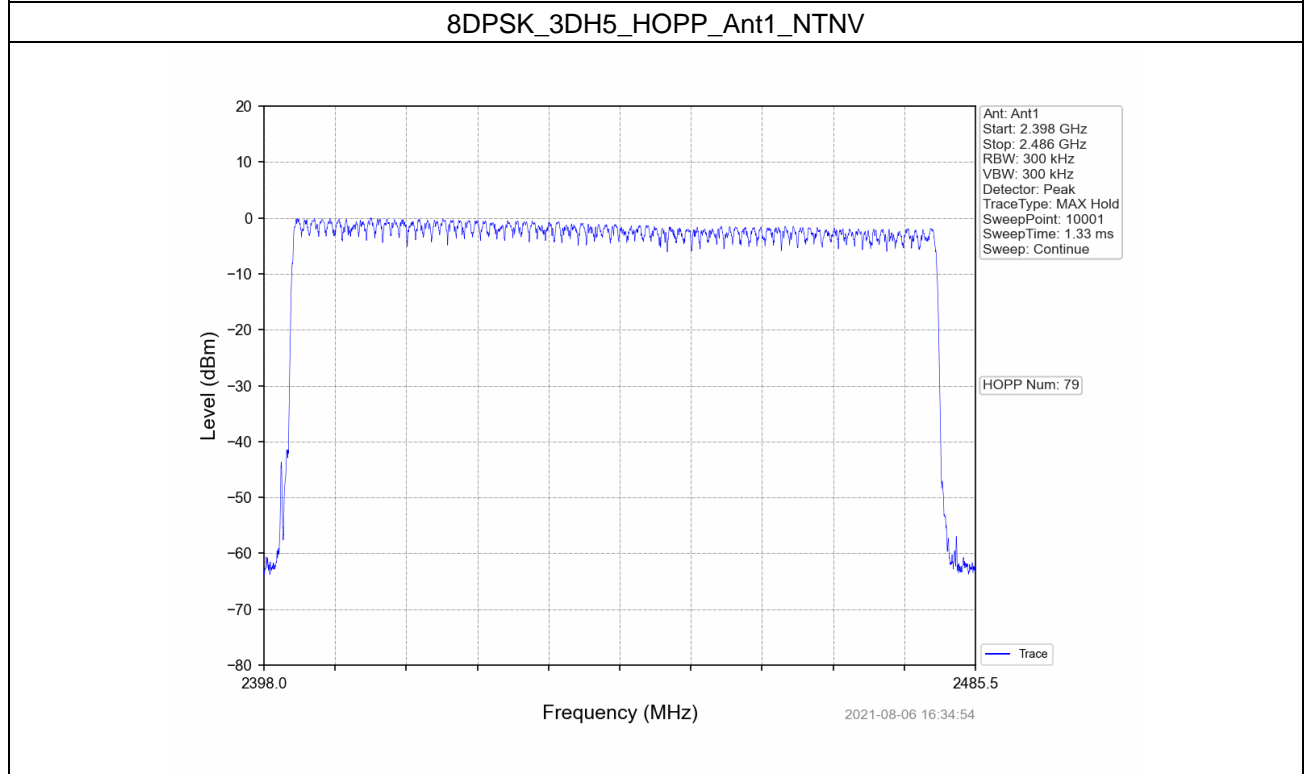
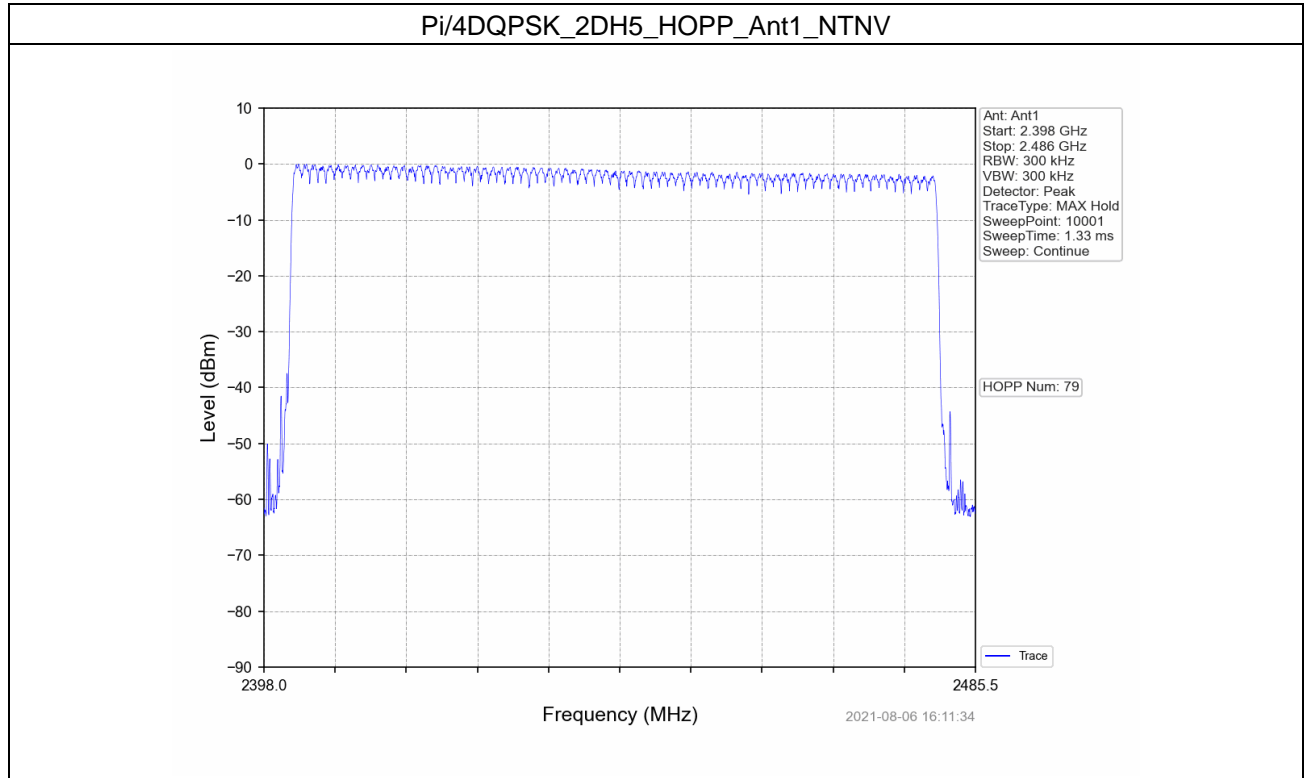
5.1.1 Test Result

Mode	TX Type	Frequency (MHz)	Packet Type	Num of Hopping Frequencies		Verdict
				Ant1	Limit	
GFSK	SISO	HOPP	DH5	79	>=15	Pass
Pi/4DQPSK	SISO	HOPP	2DH5	79	>=15	Pass
8DPSK	SISO	HOPP	3DH5	79	>=15	Pass

5.1.2 Test Graph



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6. Time of Occupancy (Dwell Time)

6.1 Ant1

6.1.1 Test Result

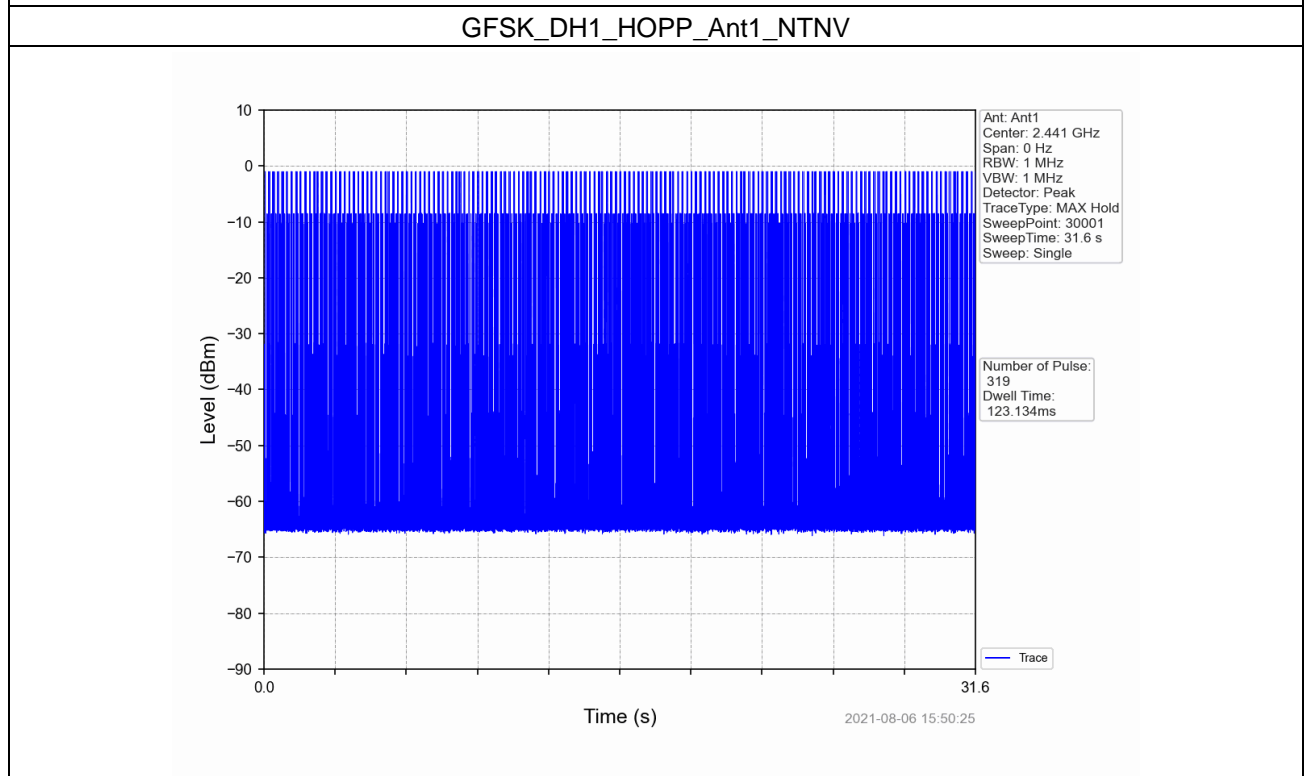
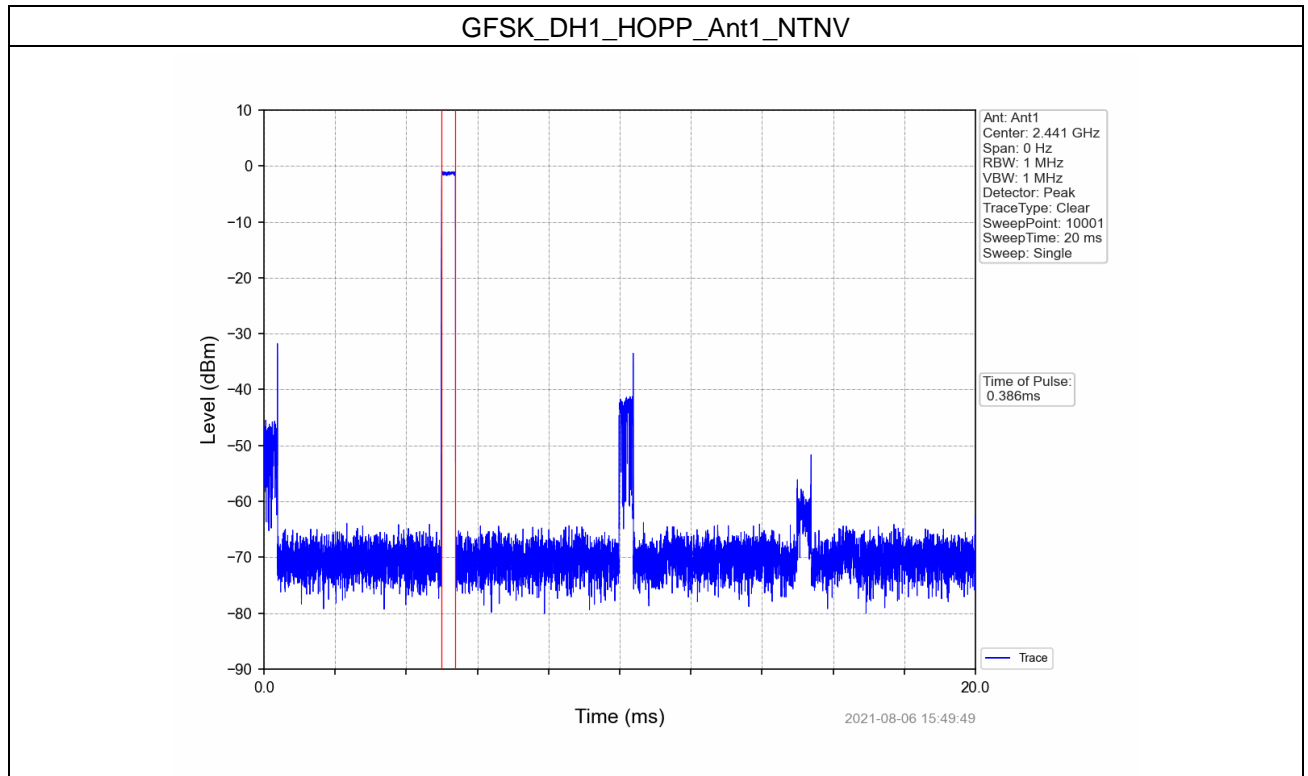
Ant1									
Mode	TX Type	Frequency (MHz)	Packet Type	Duration of Single Pulse (ms)	Observation Period (s)	Num of Pulse in Observation Period	Dwell Time (ms)	Limit (ms)	Verdict
GFSK	SISO	HOPP	DH1	0.386	31.600	319	123.134	<=400	Pass
			DH3	1.644	31.600	160	263.040	<=400	Pass
			DH5	2.890	31.600	91	262.990	<=400	Pass
Pi/4QPSK	SISO	HOPP	2DH1	0.396	31.600	319	126.324	<=400	Pass
			2DH3	1.648	31.600	154	253.792	<=400	Pass
			2DH5	2.896	31.600	89	257.744	<=400	Pass
8DPSK	SISO	HOPP	3DH1	0.398	31.600	319	126.962	<=400	Pass
			3DH3	1.648	31.600	162	266.976	<=400	Pass
			3DH5	2.900	31.600	112	324.800	<=400	Pass



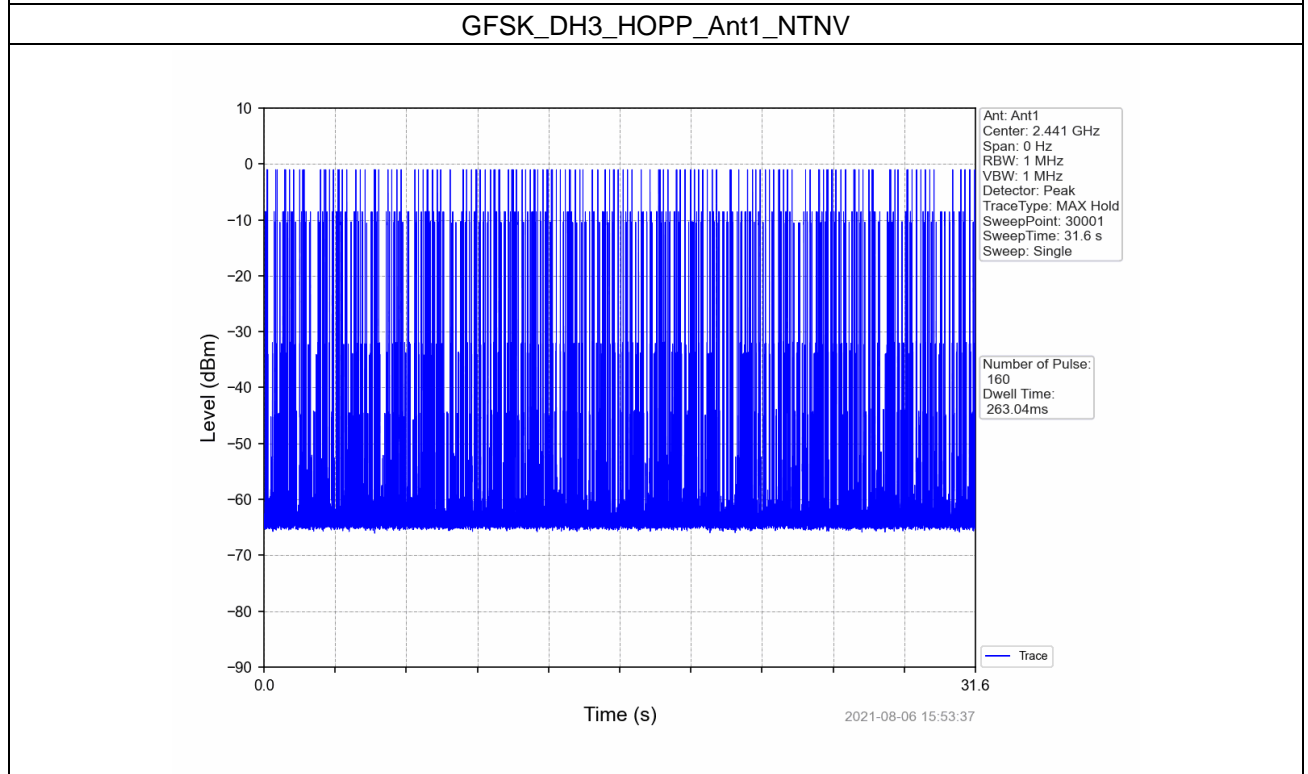
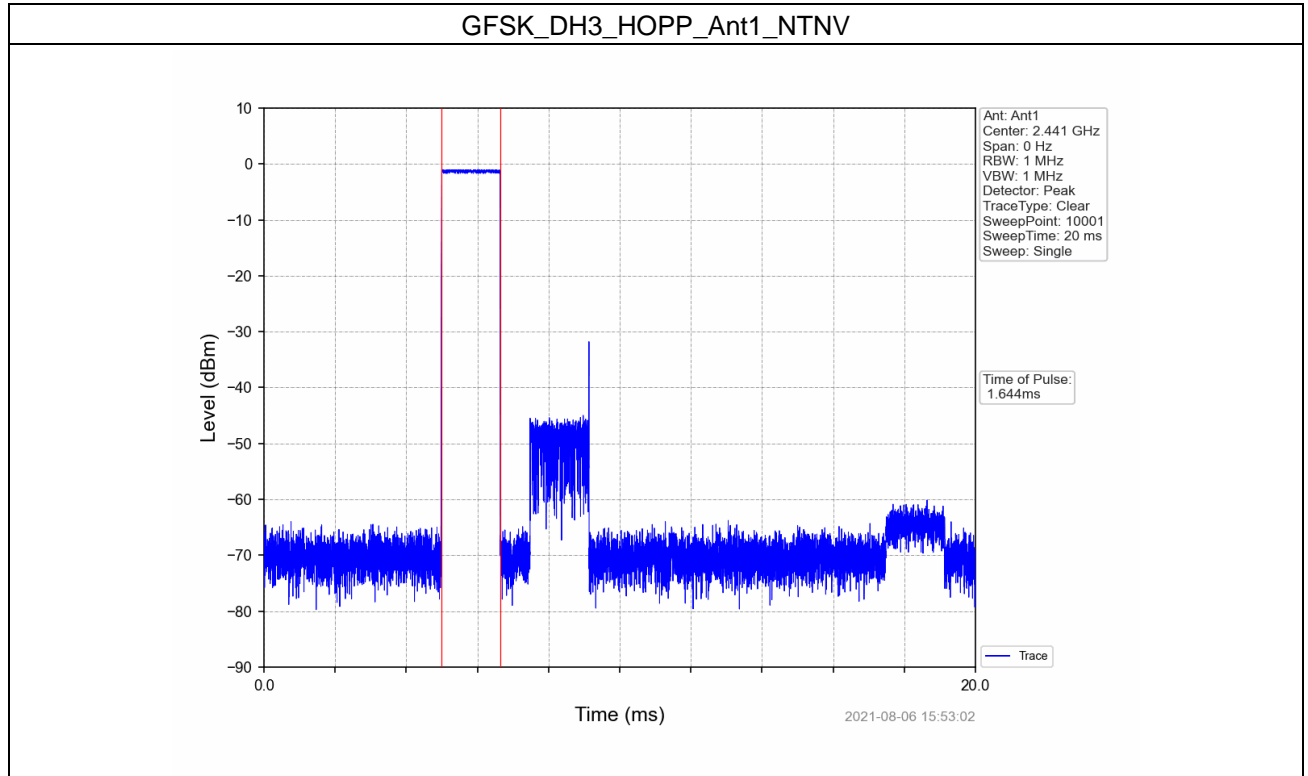
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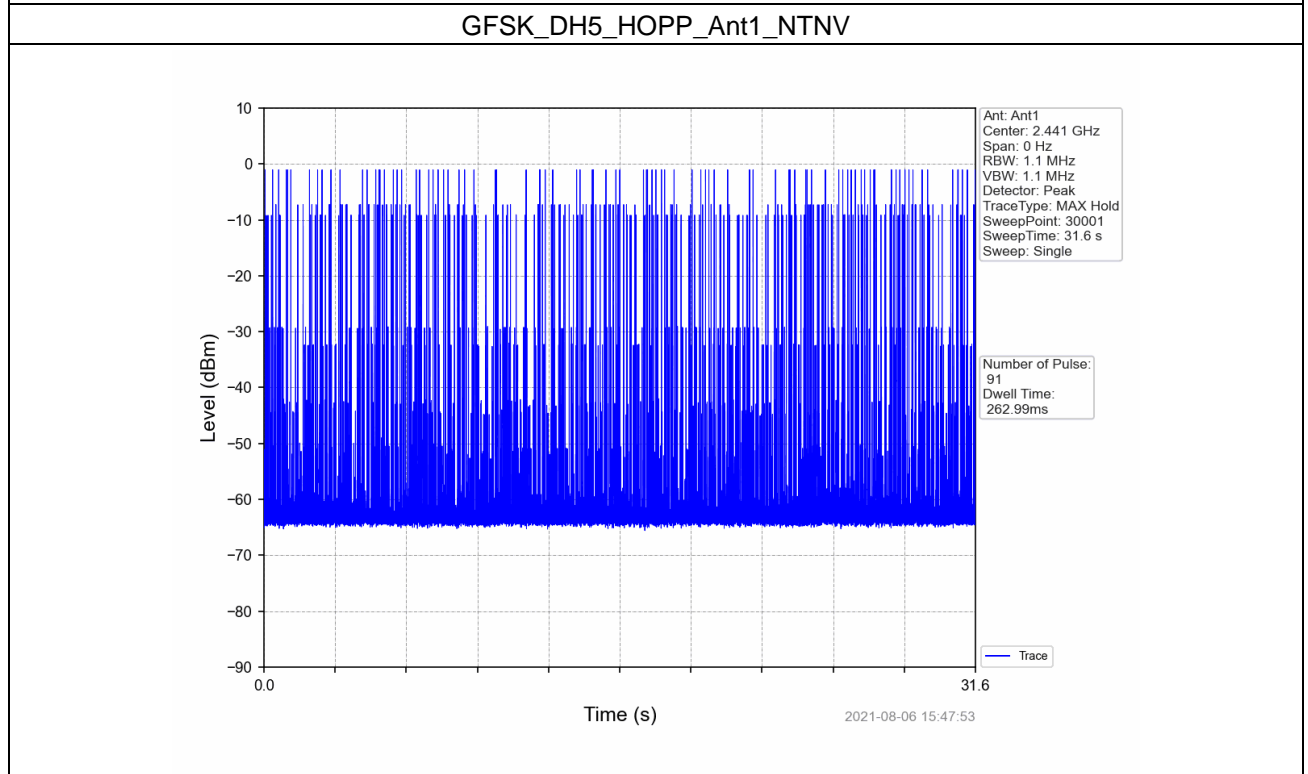
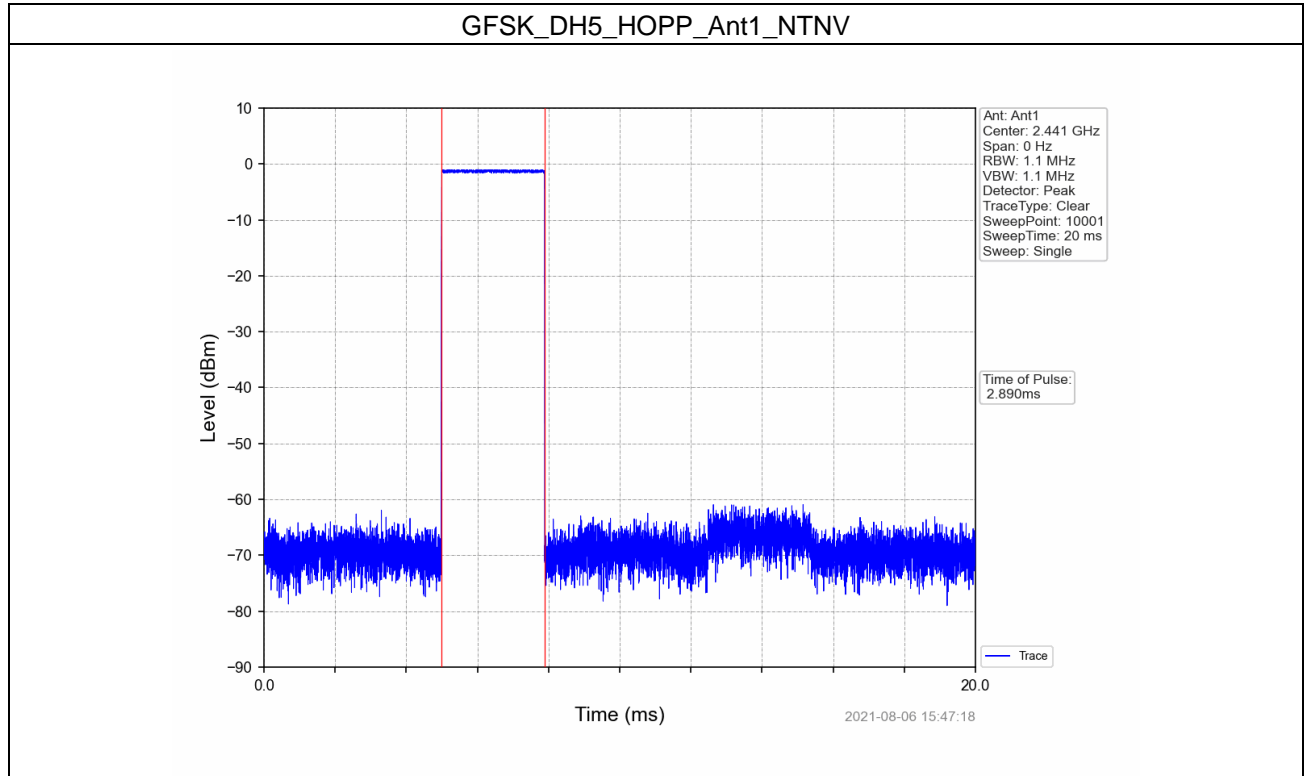
6.1.2 Test Graph



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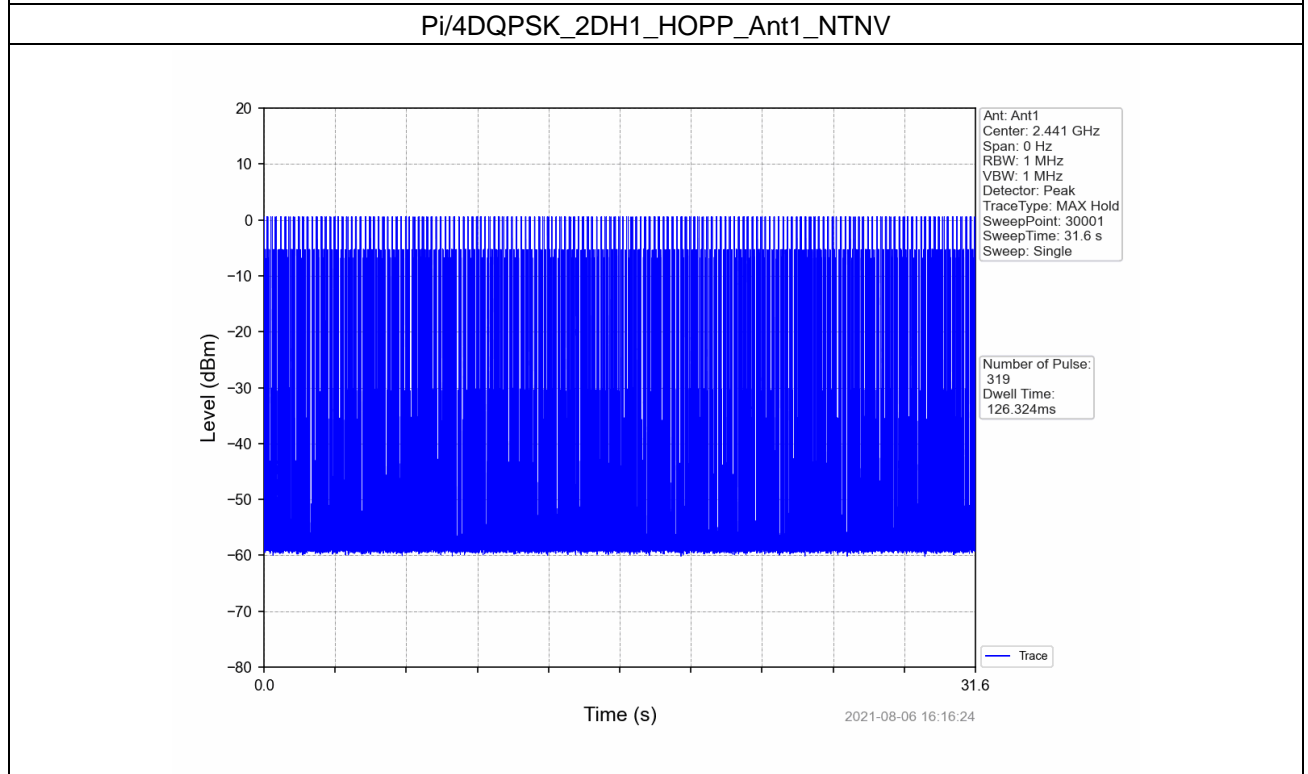
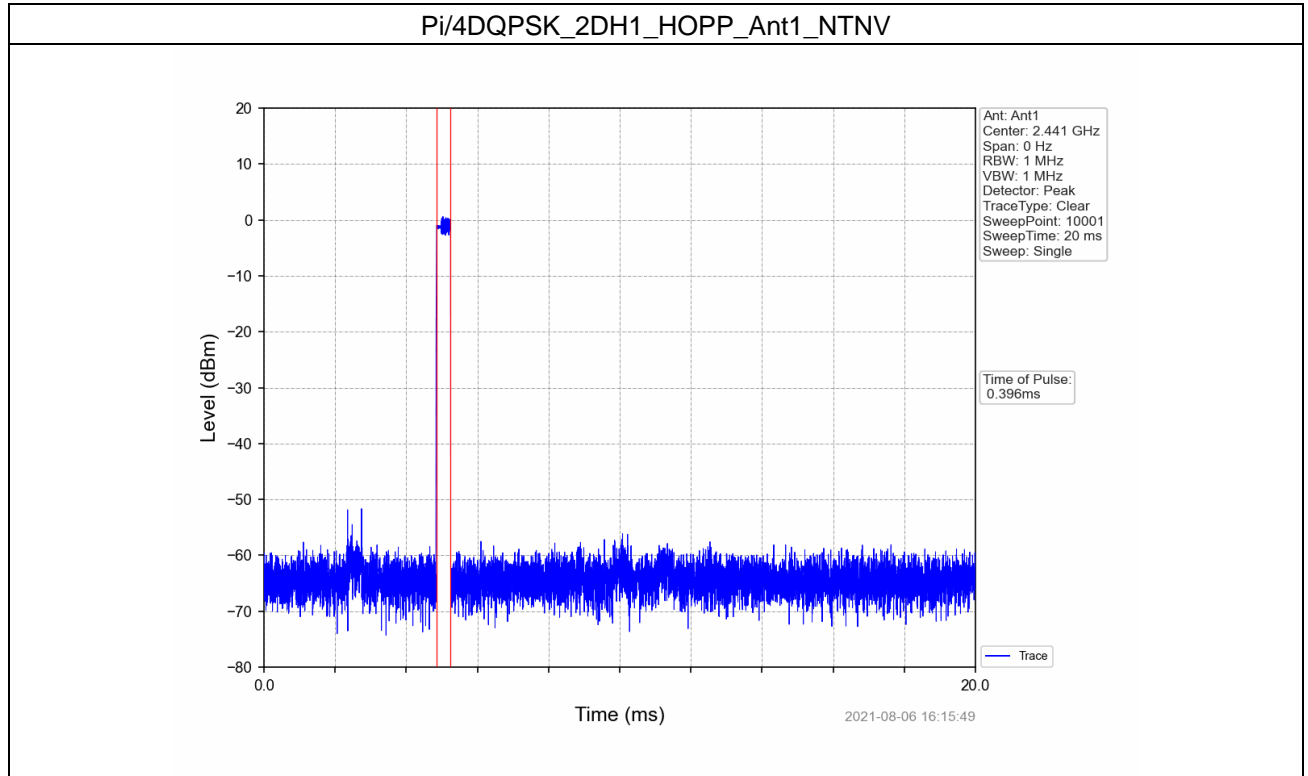


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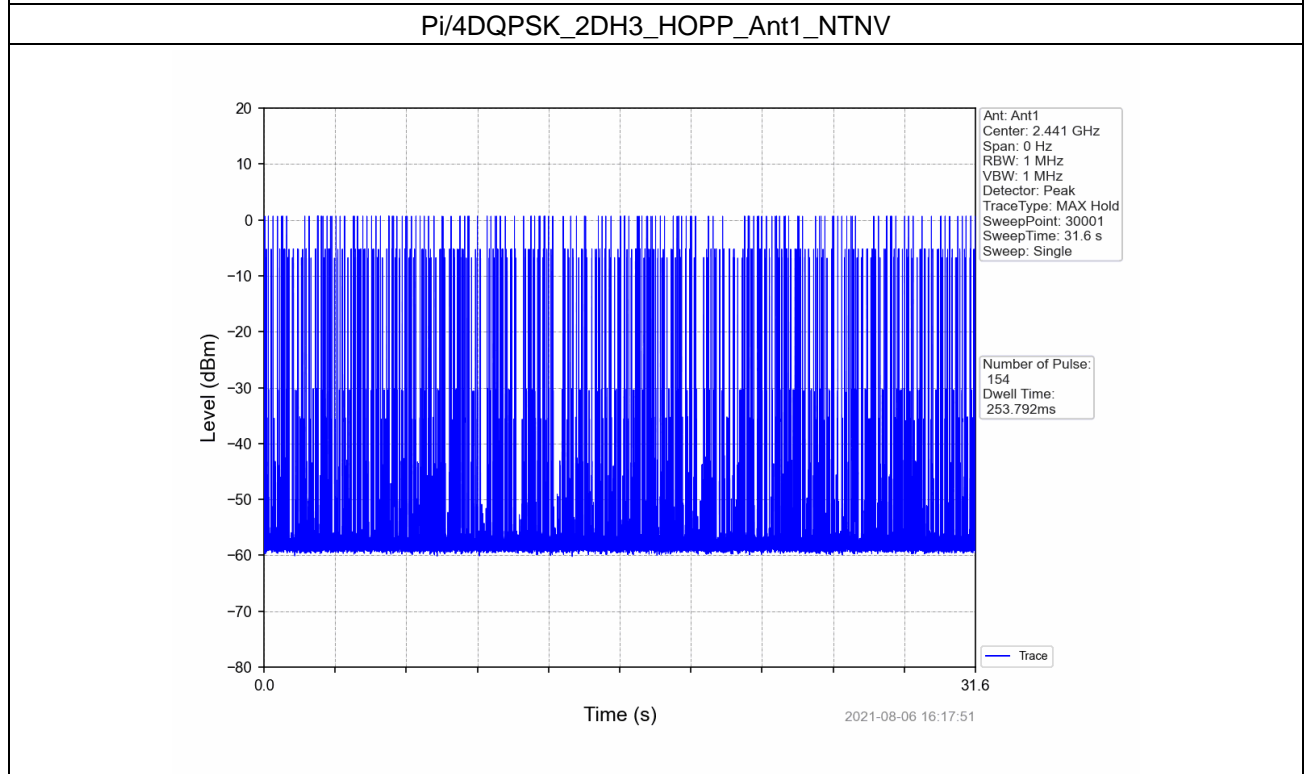
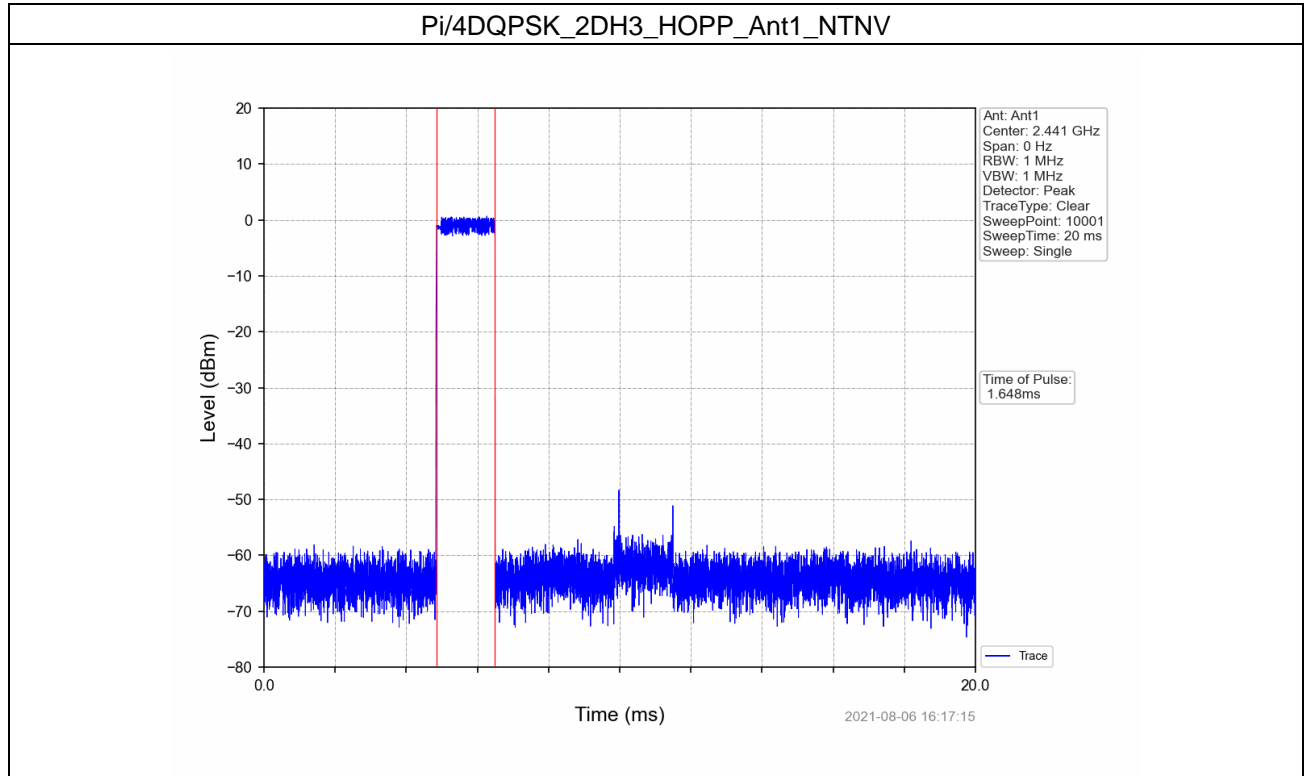
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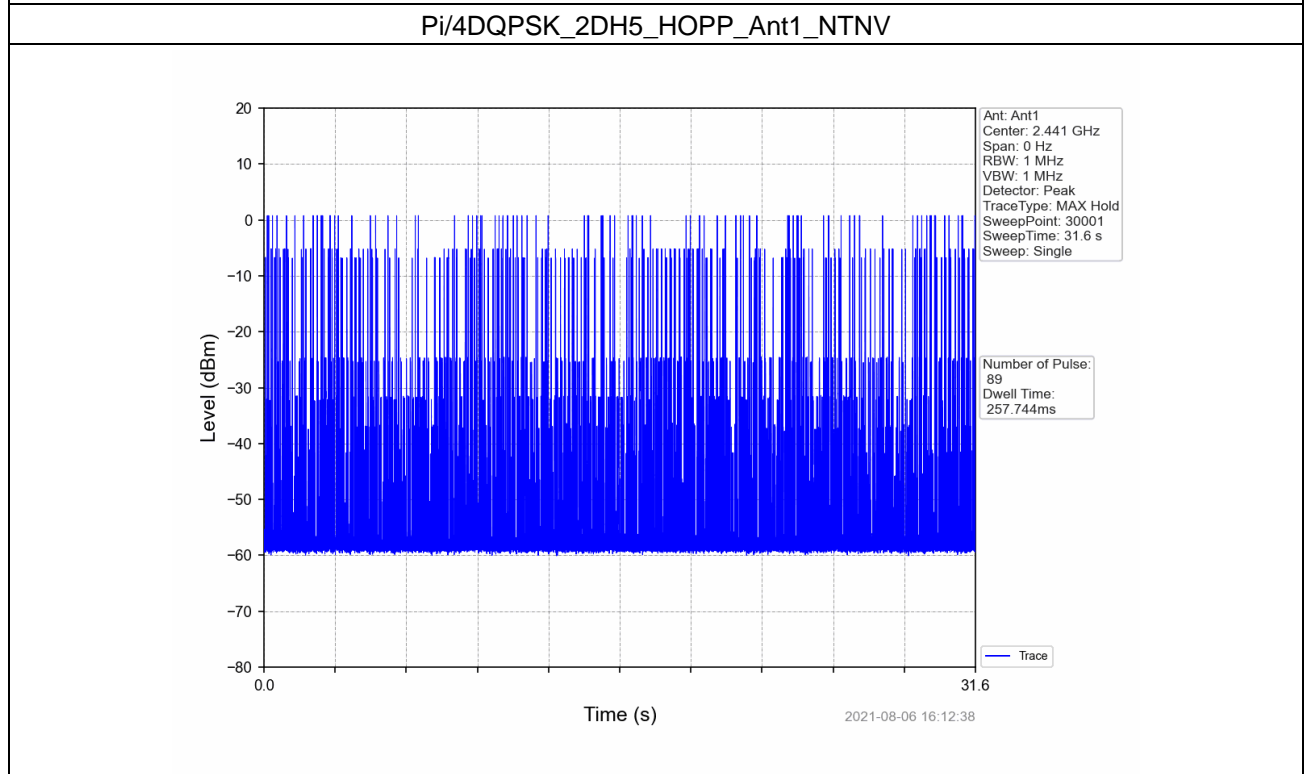
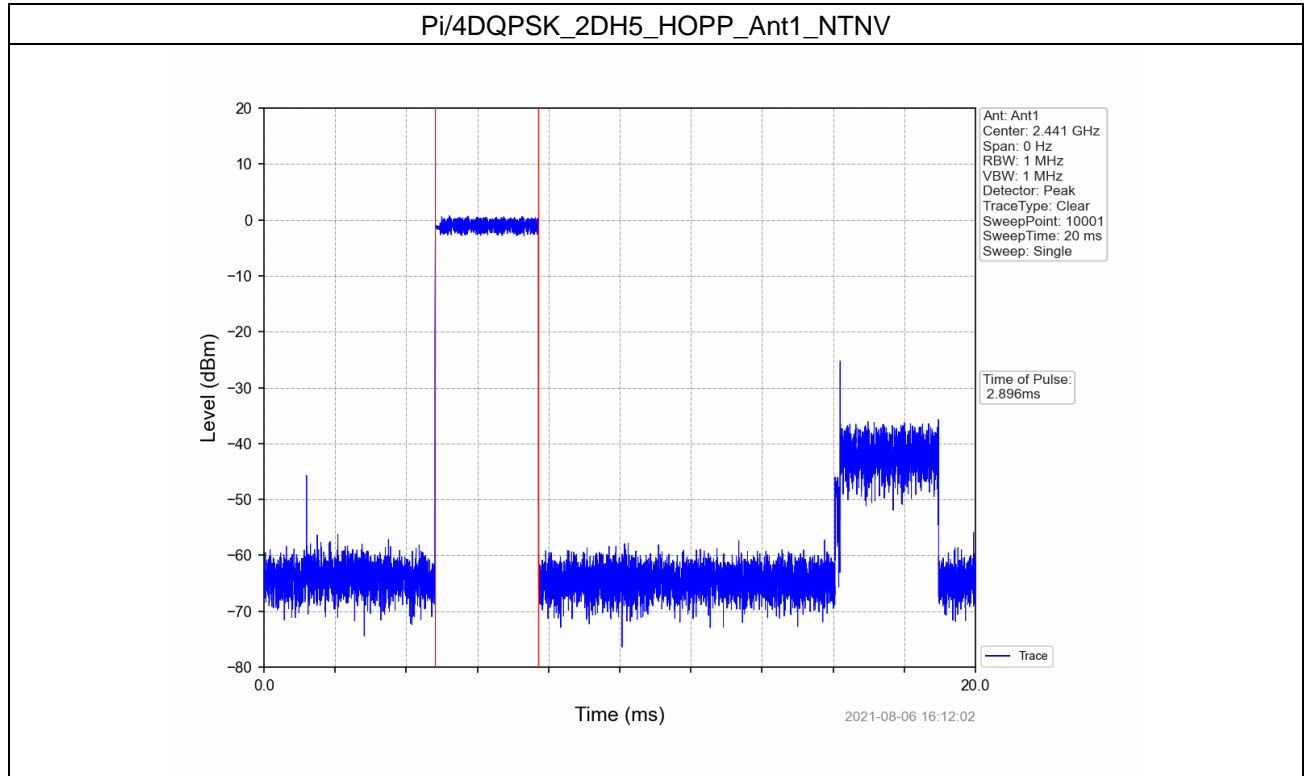
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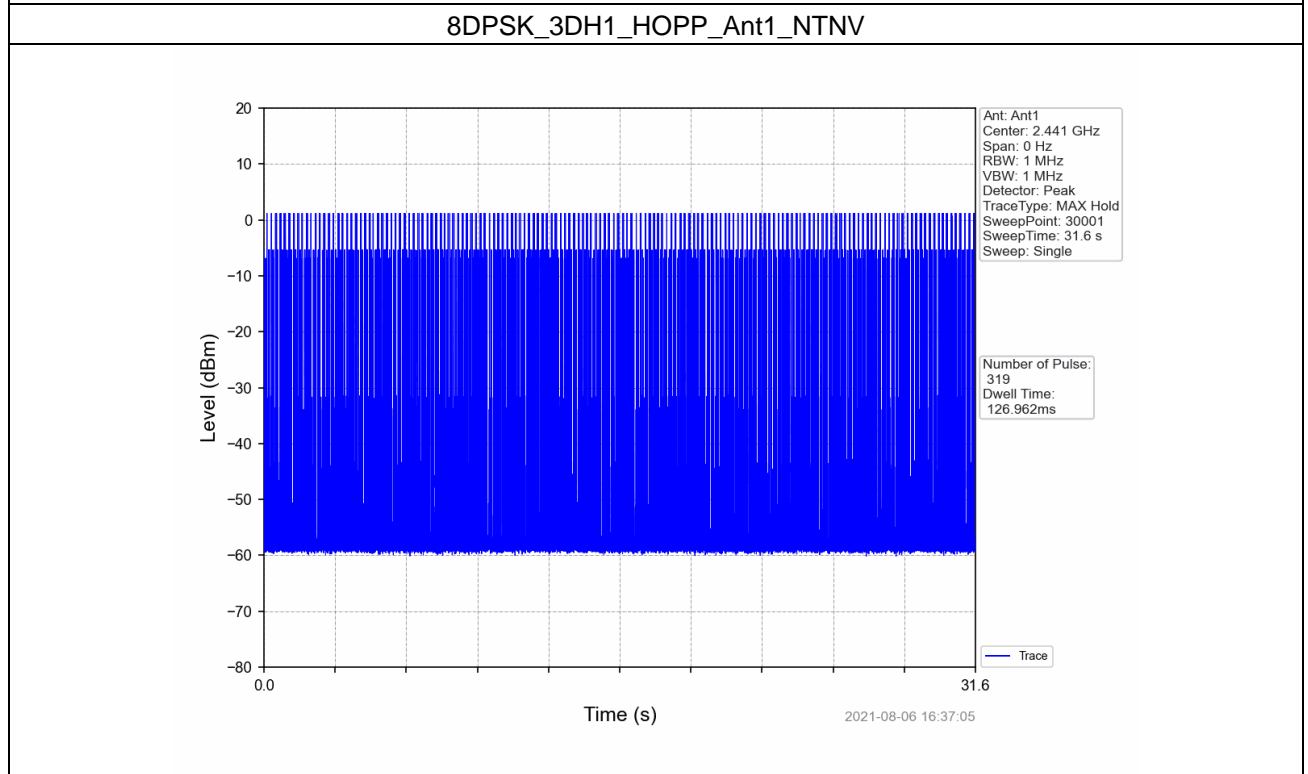
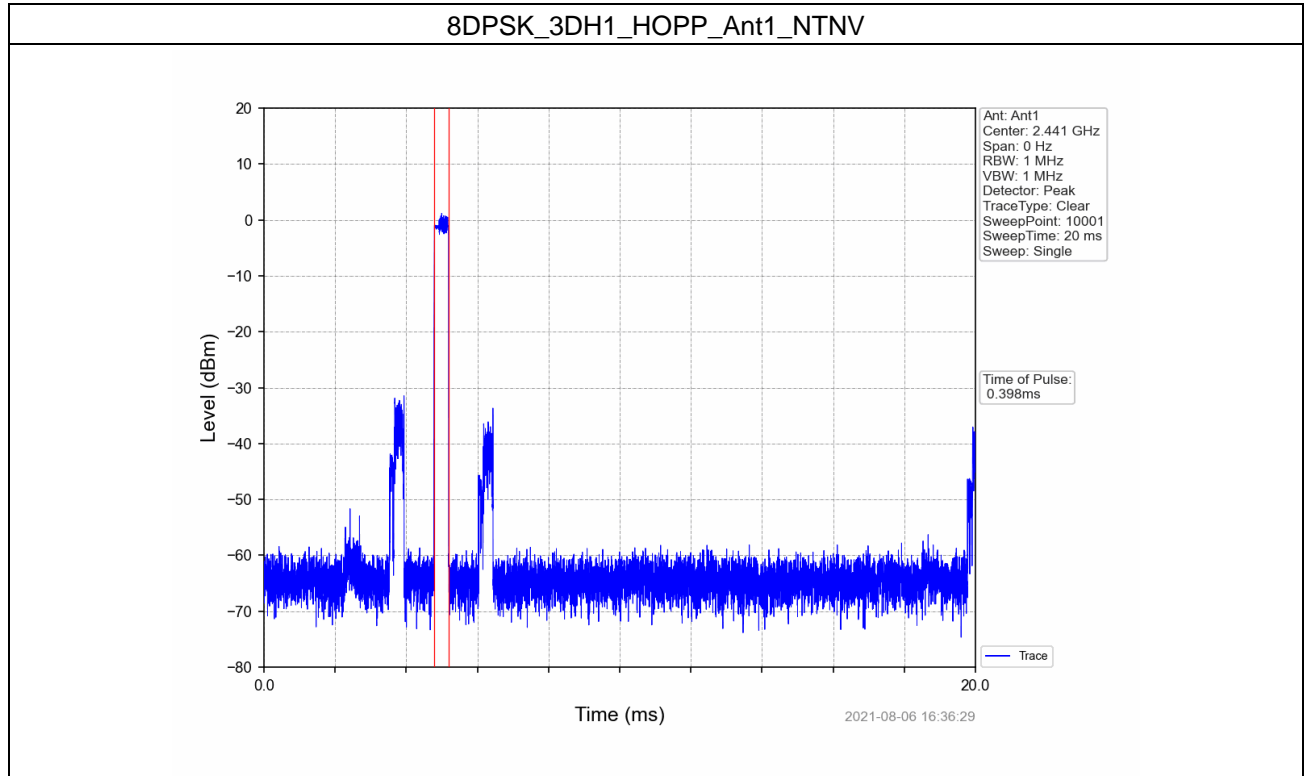
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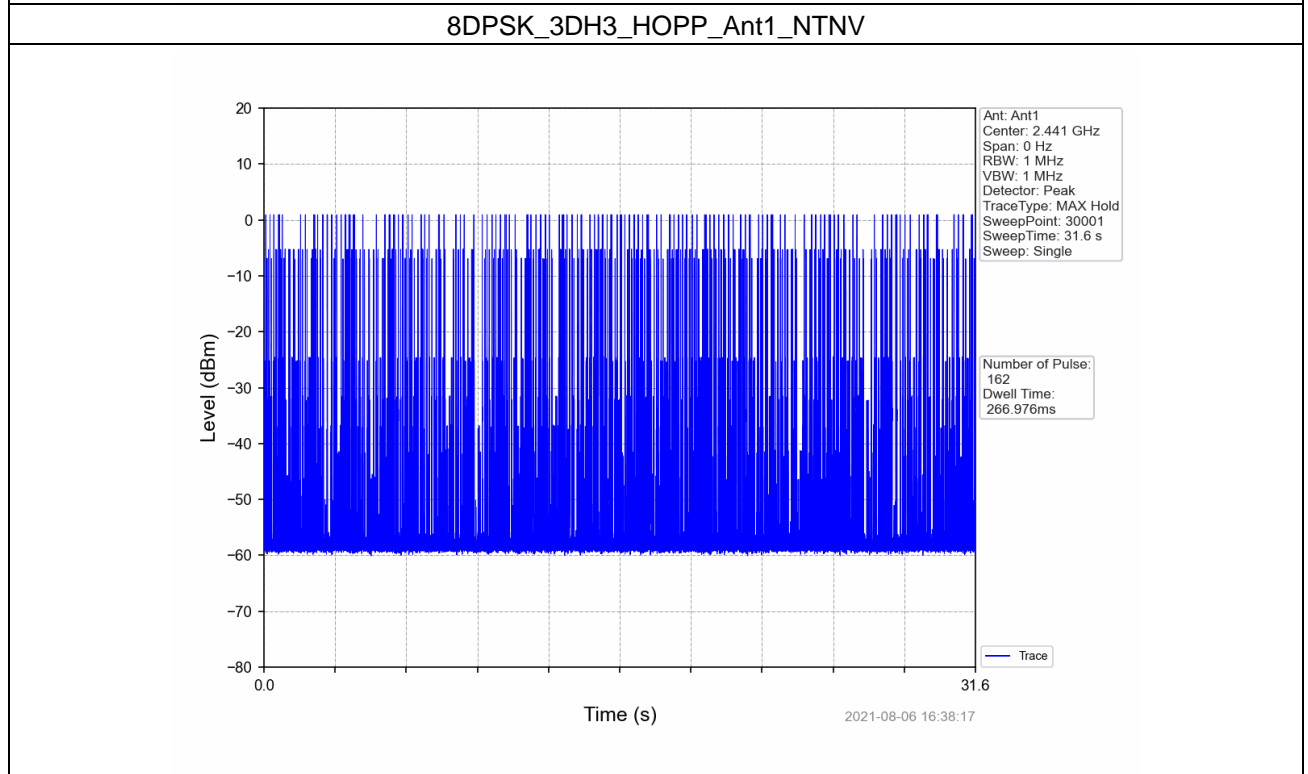
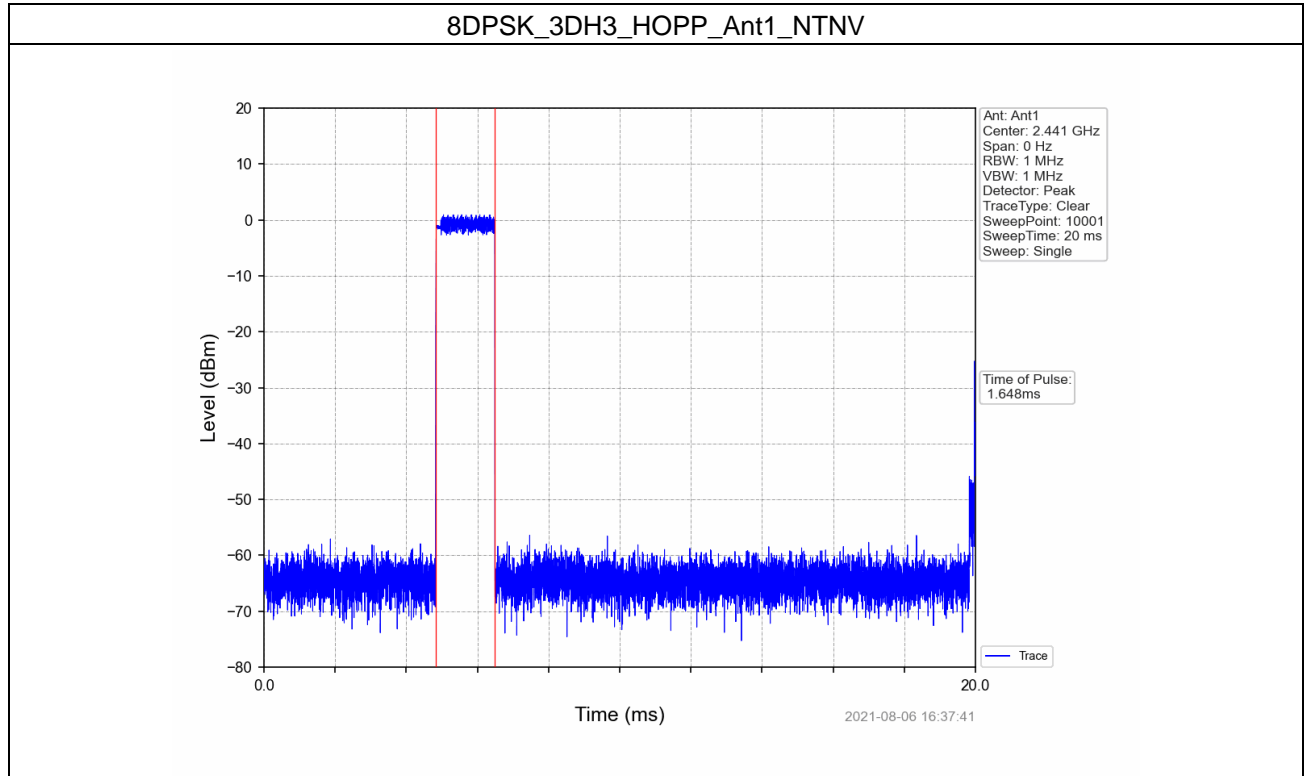
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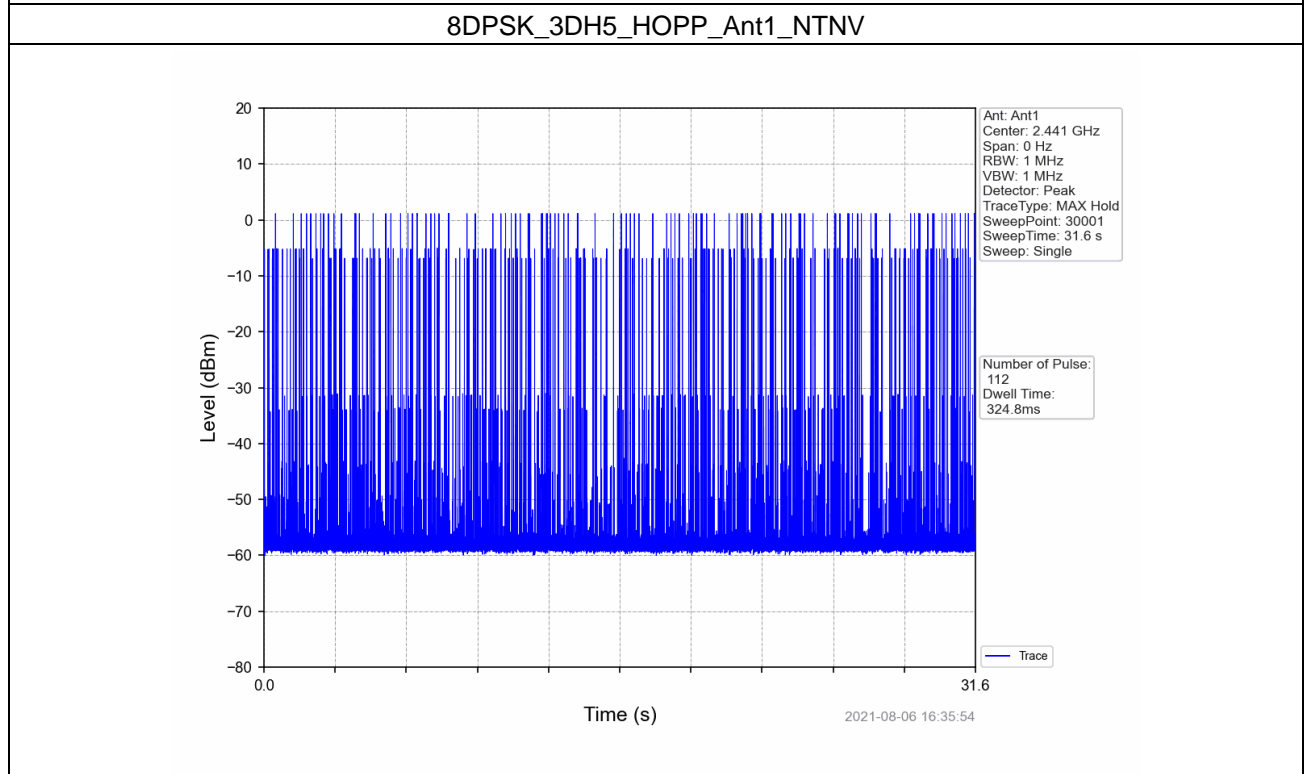
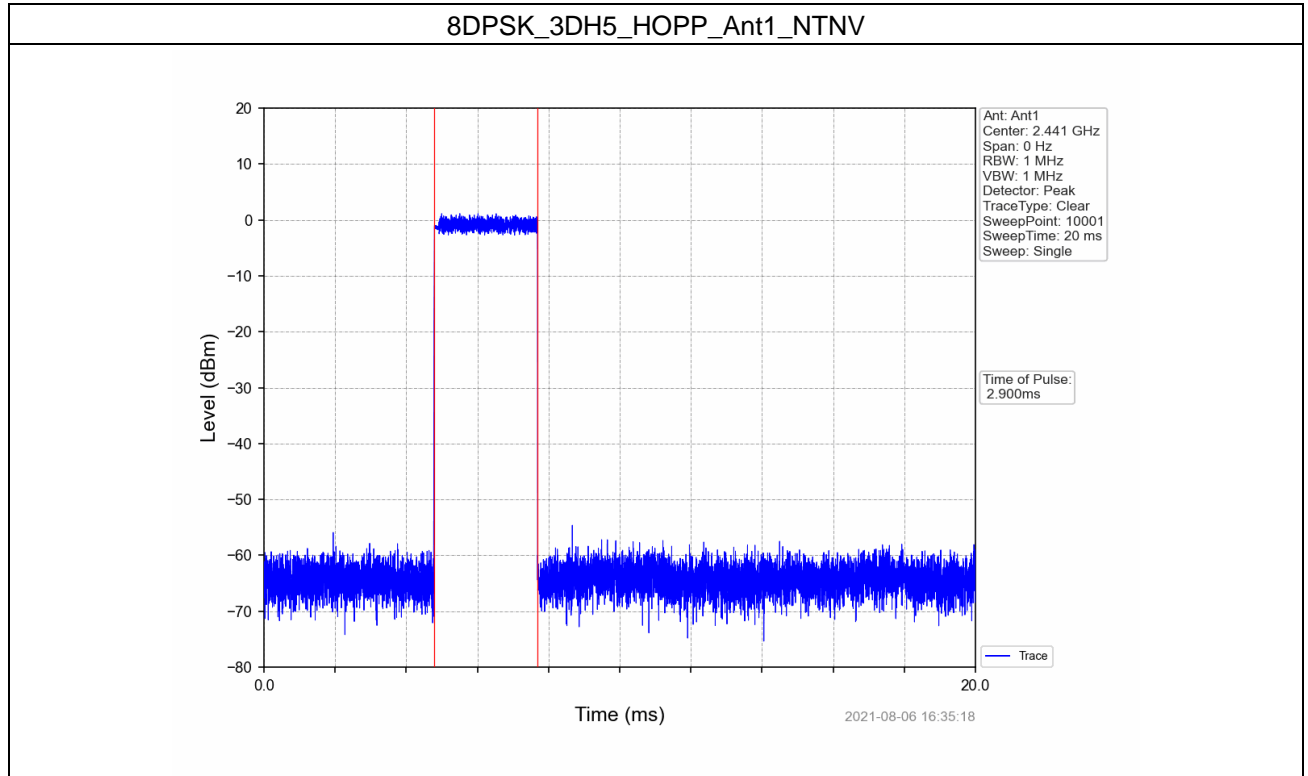


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