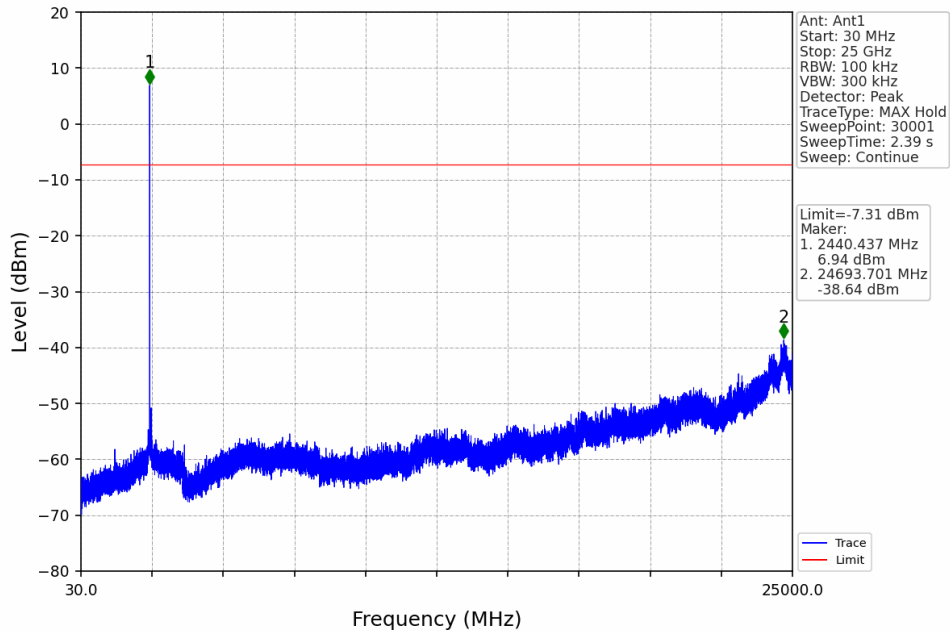
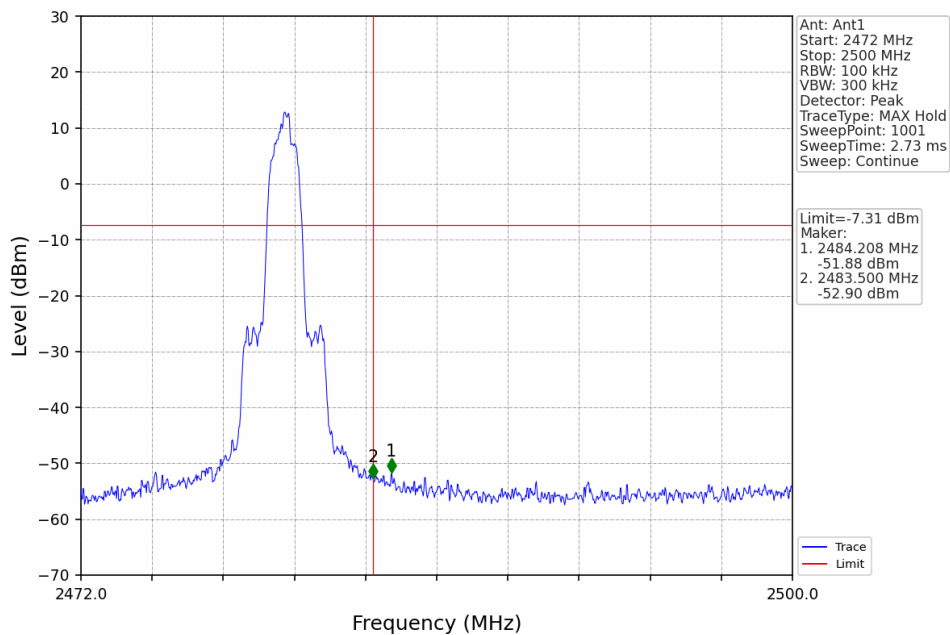


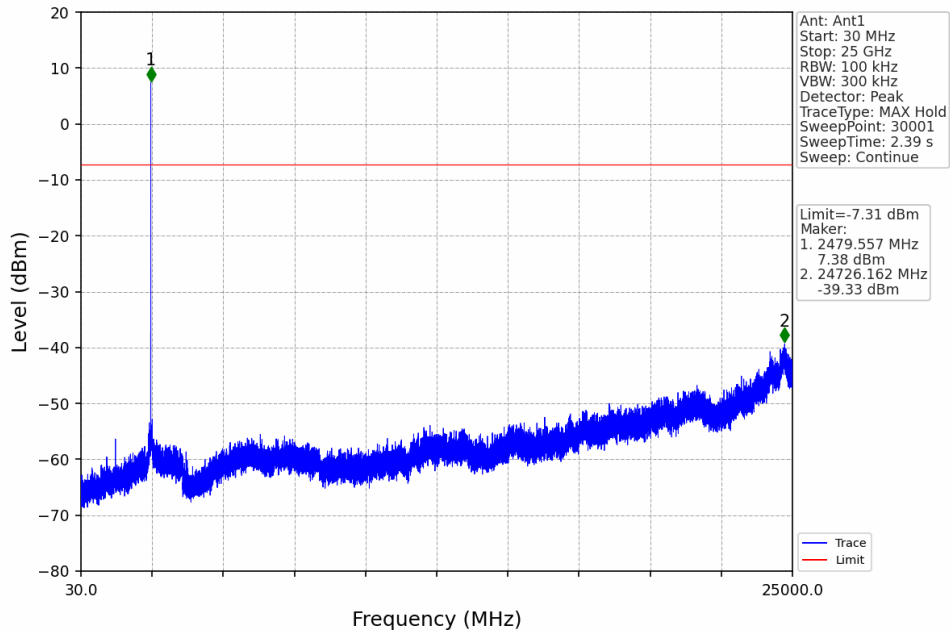
8DPSK_3DH5_MCH_2441MHz_Ant1_NTNV



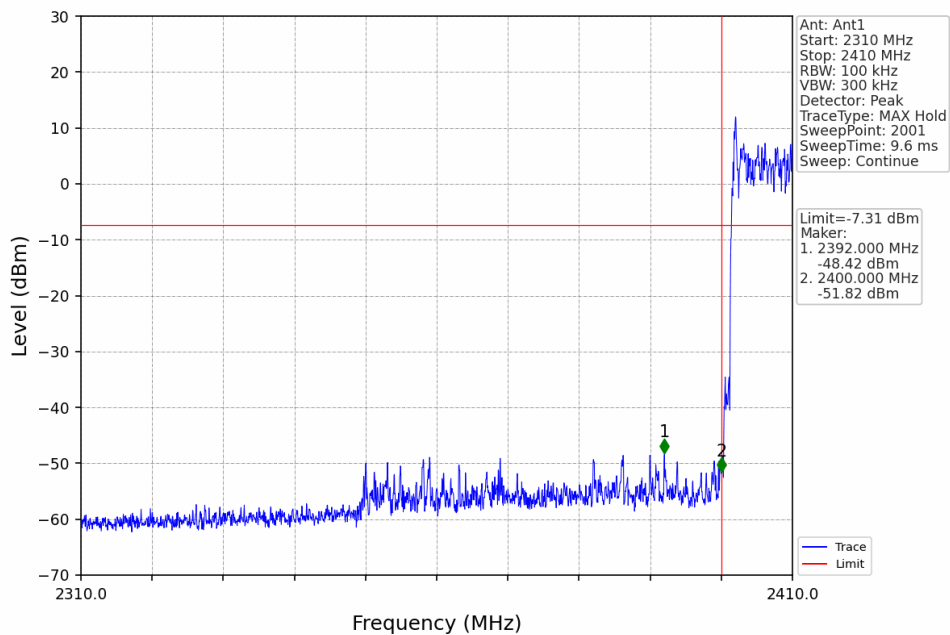
8DPSK_3DH5_HCH_2480MHz_Ant1_NTNV

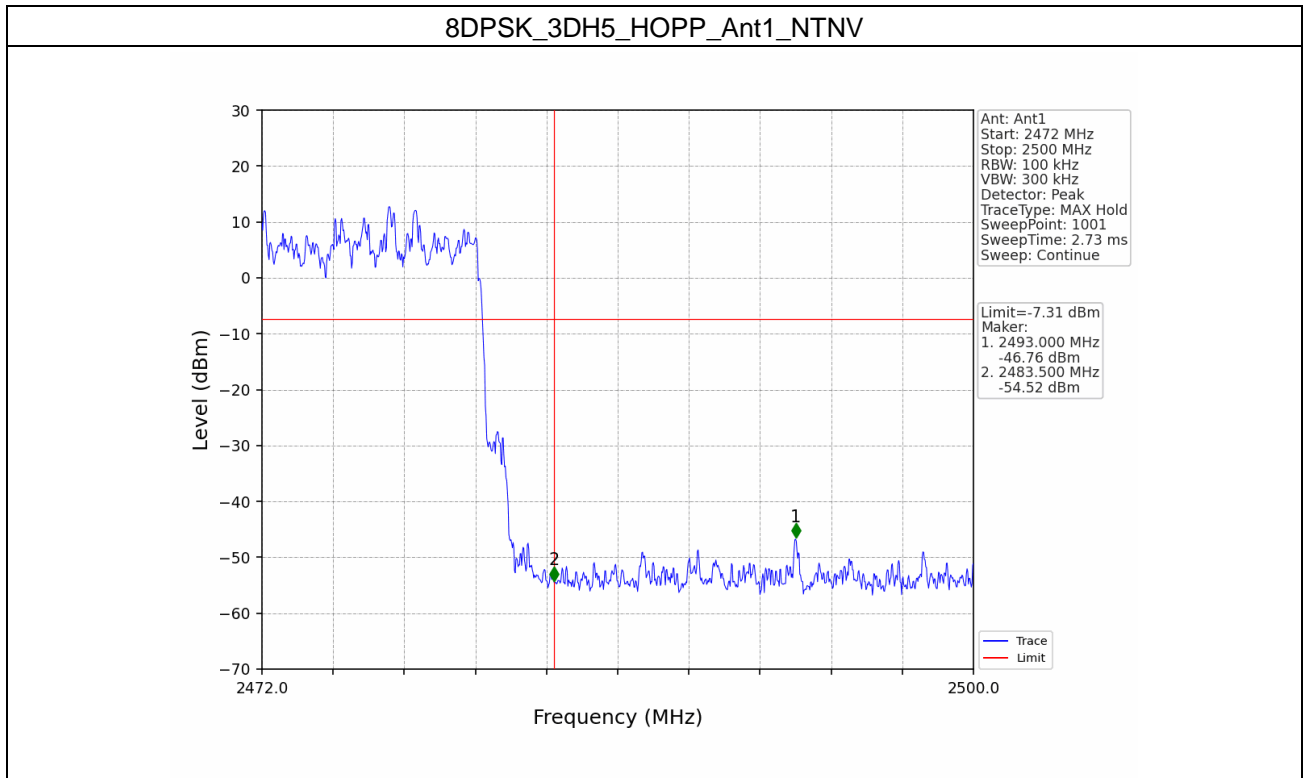


8DPSK_3DH5_HCH_2480MHz_Ant1_NTNV



8DPSK_3DH5_HOPP_Ant1_NTNV





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For left earbud:

1. Duty Cycle

1.1 Ant1

1.1.1 Test Result

Ant1								
Mode	Tx Type	Frequency (MHz)	Packet Type	T_on (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)	Max. DC Variation (%)
GFSK	SISO	2402	DH5	2.913	3.749	77.70	1.10	0.03
		2441	DH5	2.913	3.749	77.70	1.10	0.03
		2480	DH5	2.913	3.749	77.70	1.10	0.03
Pi/4DQPSK	SISO	2402	2DH5	2.920	3.749	77.89	1.09	0.01
		2441	2DH5	2.920	3.750	77.87	1.09	0.01
		2480	2DH5	2.920	3.750	77.87	1.09	0.01
8DPSK	SISO	2402	3DH5	2.922	3.751	77.90	1.08	0.03
		2441	3DH5	2.921	3.750	77.89	1.08	0.03
		2480	3DH5	2.921	3.751	77.87	1.09	0.03



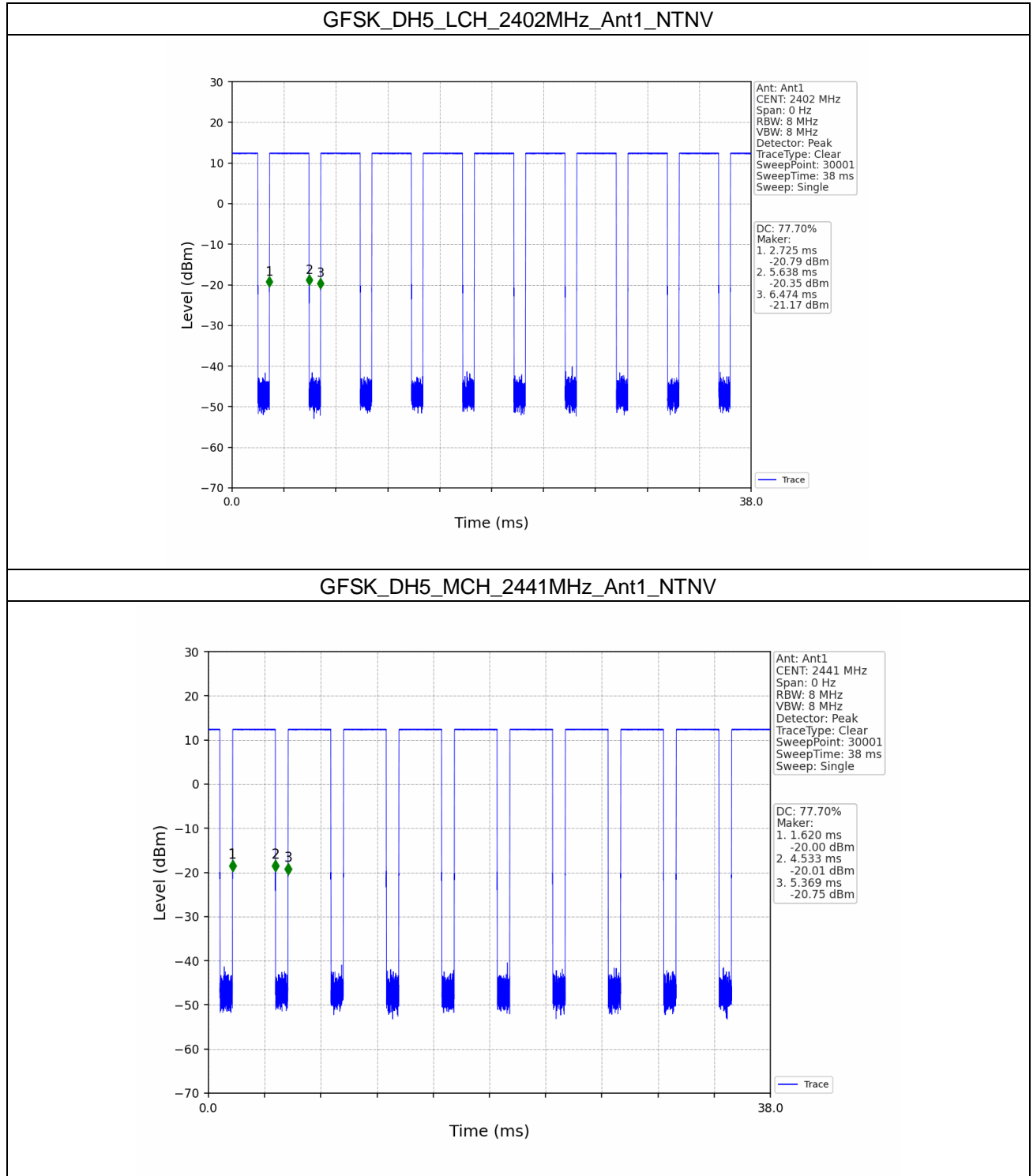
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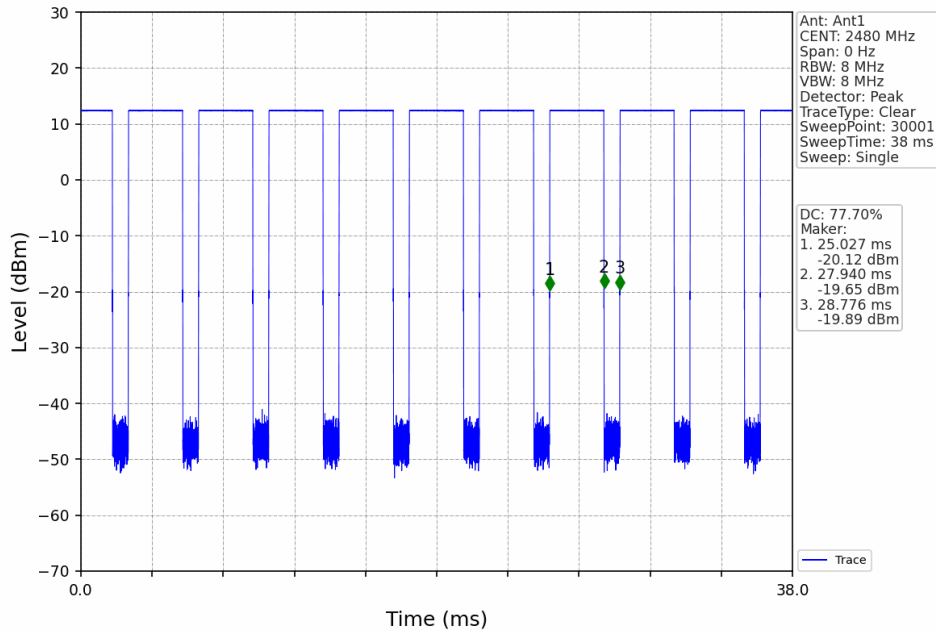
1.1.2 Test Graph



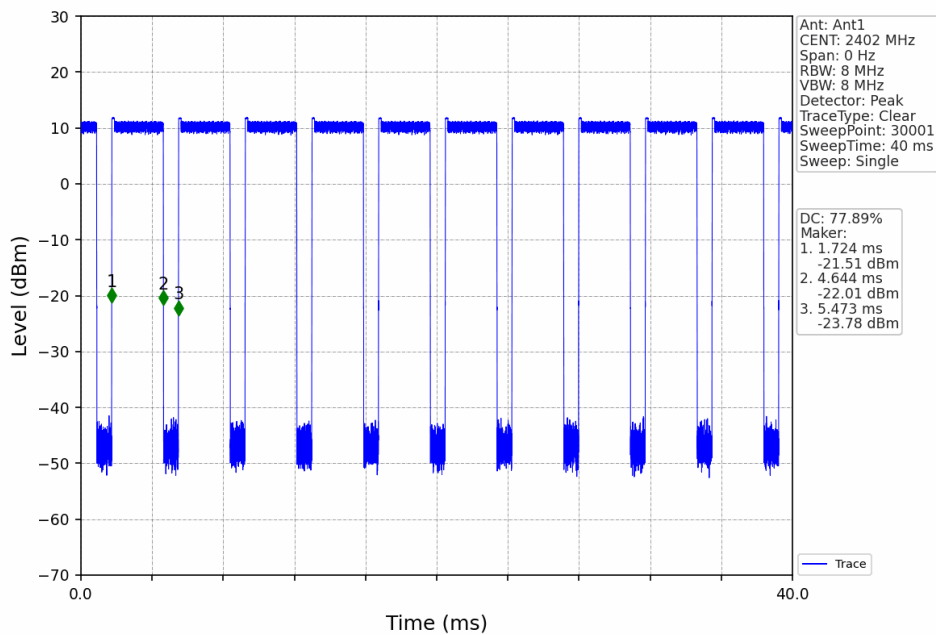
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GFSK_DH5_HCH_2480MHz_Ant1_NTNV



Pi/4DQPSK_2DH5_LCH_2402MHz_Ant1_NTNV



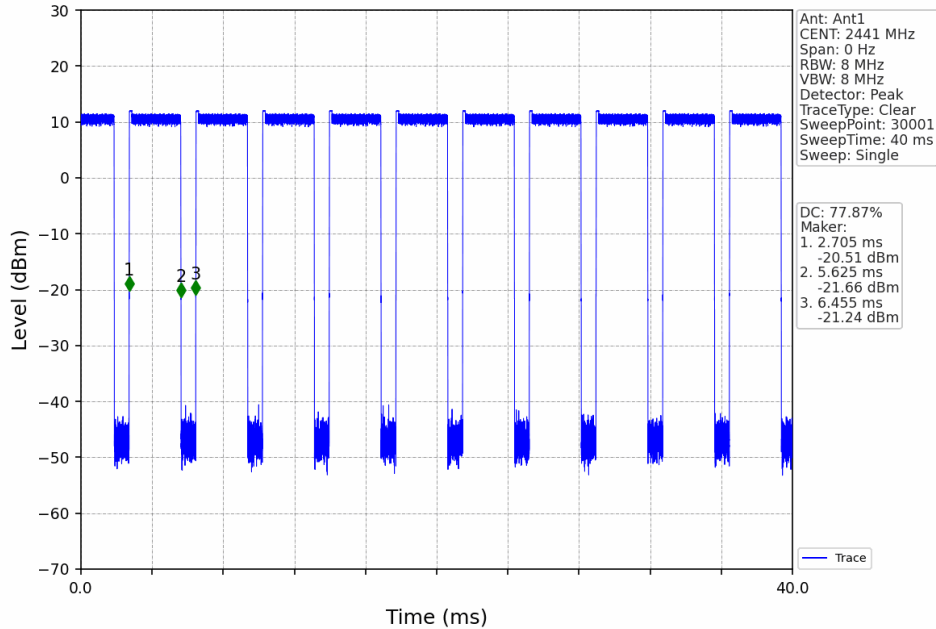
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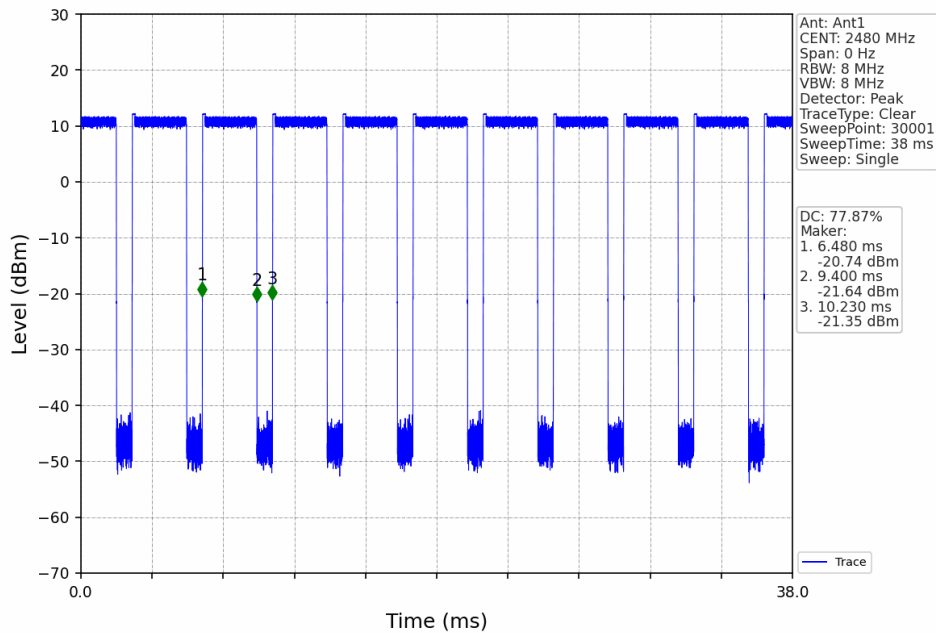
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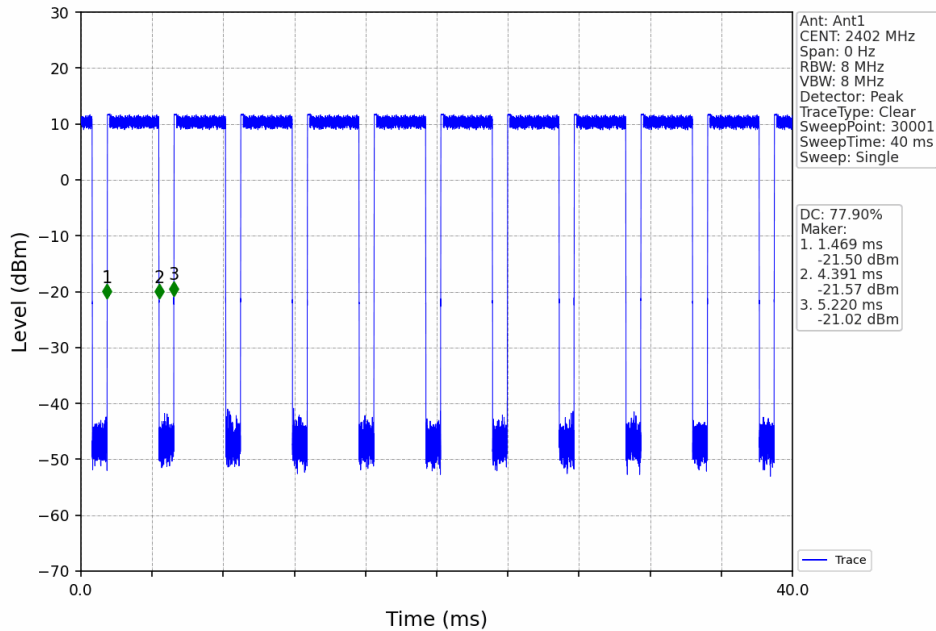
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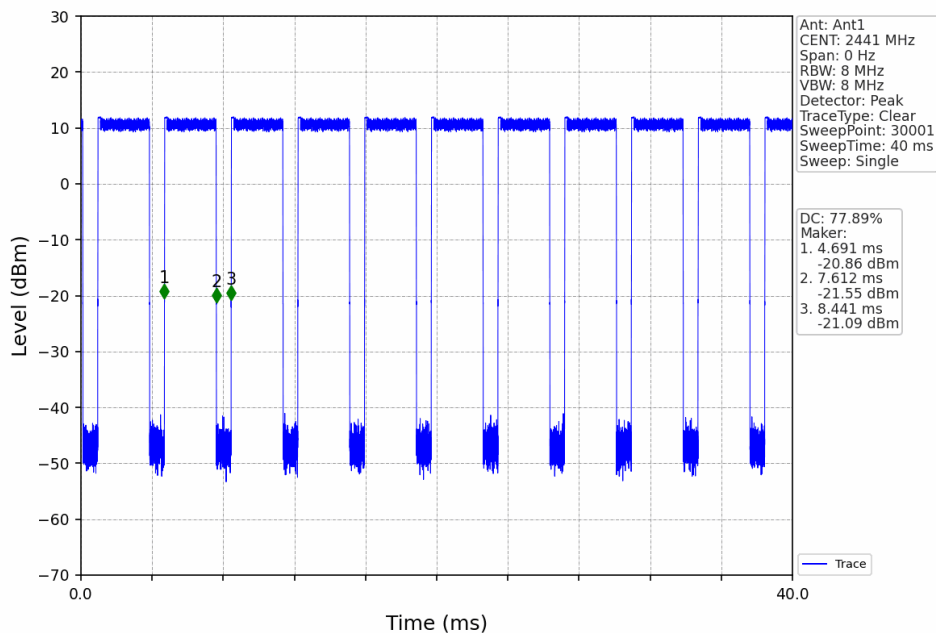
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8DPSK_3DH5_LCH_2402MHz_Ant1_NTNV



8DPSK_3DH5_MCH_2441MHz_Ant1_NTNV

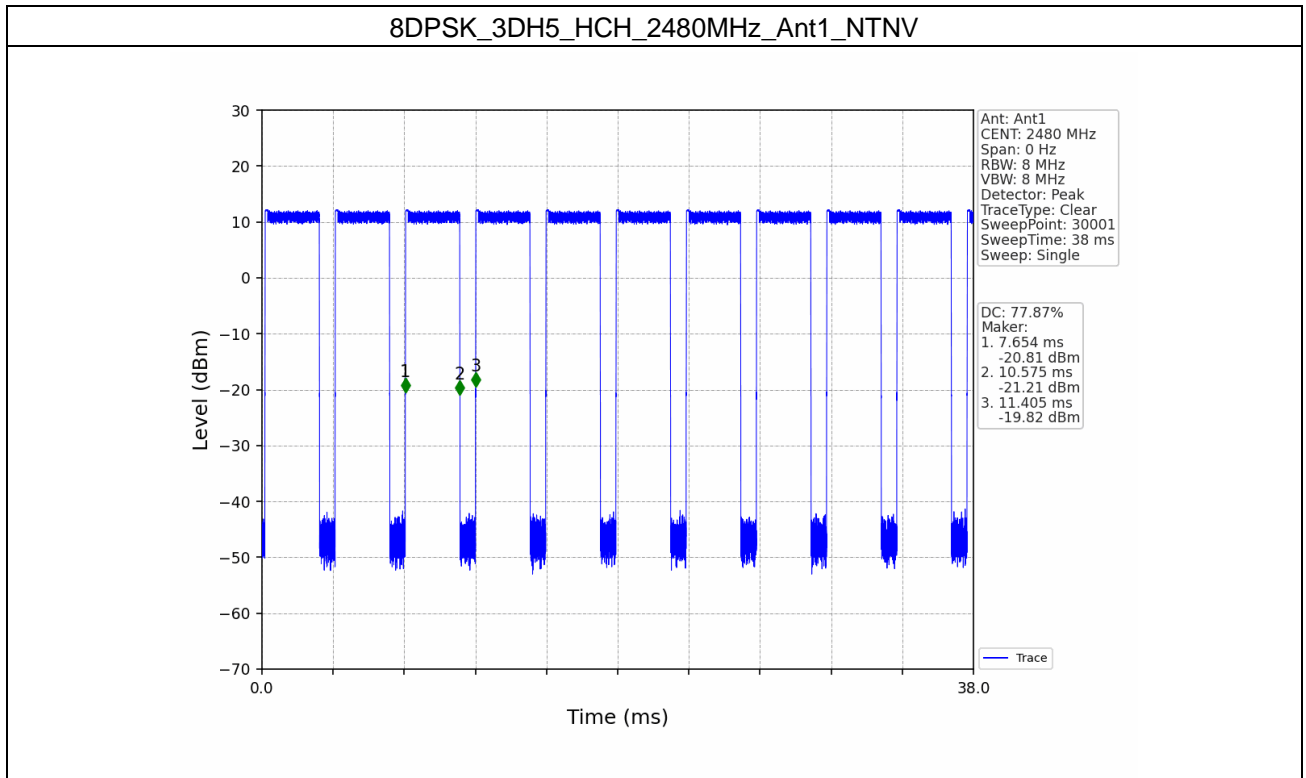


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2. Bandwidth

2.1 OBW

2.1.1 Test Result

Mode	TX Type	Frequency (MHz)	Packet Type	ANT	99% Occupied Bandwidth (MHz)	Verdict
					Result	
GFSK	SISO	2402	DH5	1	0.914	Pass
		2441	DH5	1	0.932	Pass
		2480	DH5	1	0.934	Pass
Pi/4DQPSK	SISO	2402	2DH5	1	1.127	Pass
		2441	2DH5	1	1.131	Pass
		2480	2DH5	1	1.133	Pass
8DPSK	SISO	2402	3DH5	1	1.140	Pass
		2441	3DH5	1	1.146	Pass
		2480	3DH5	1	1.150	Pass



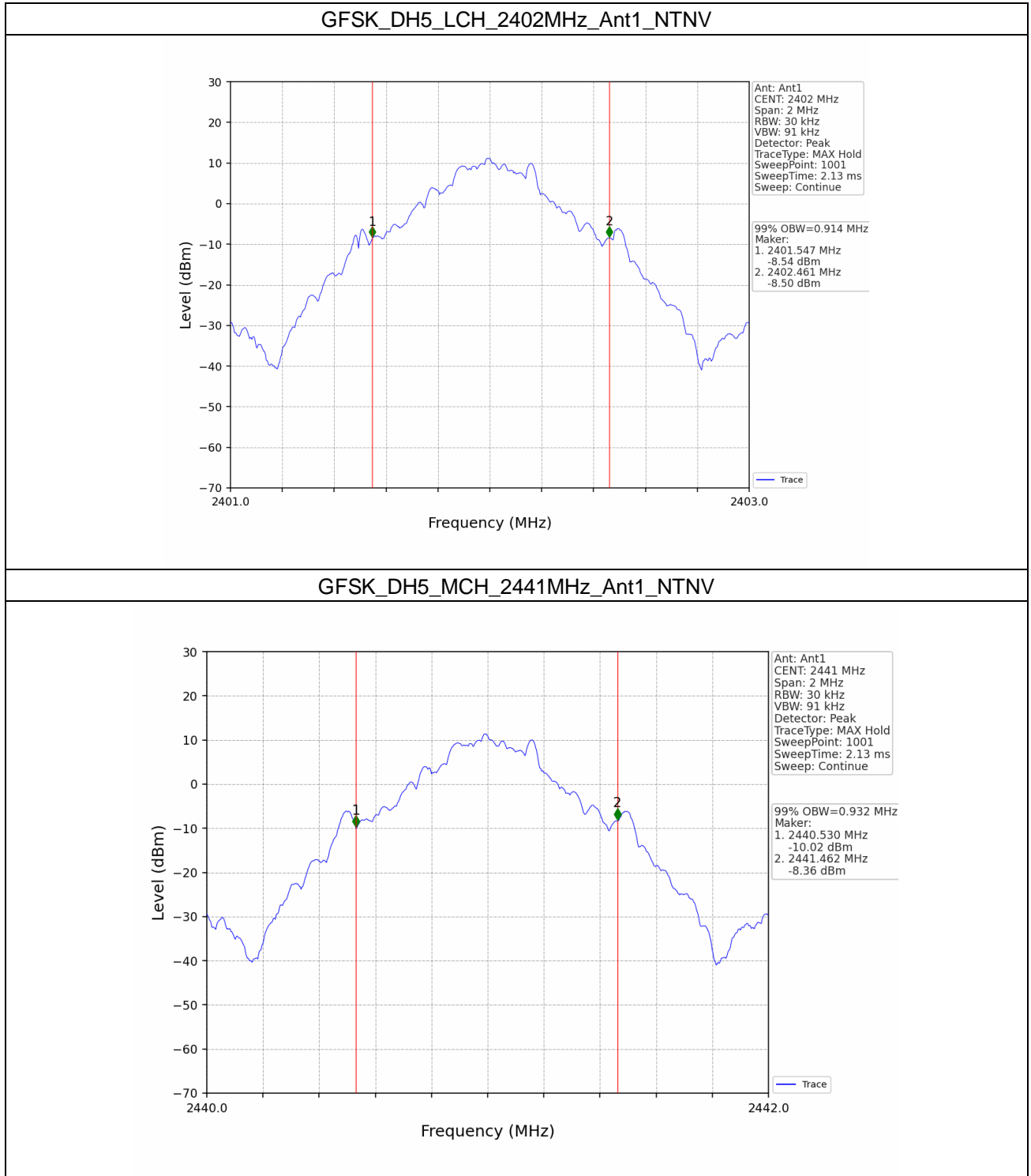
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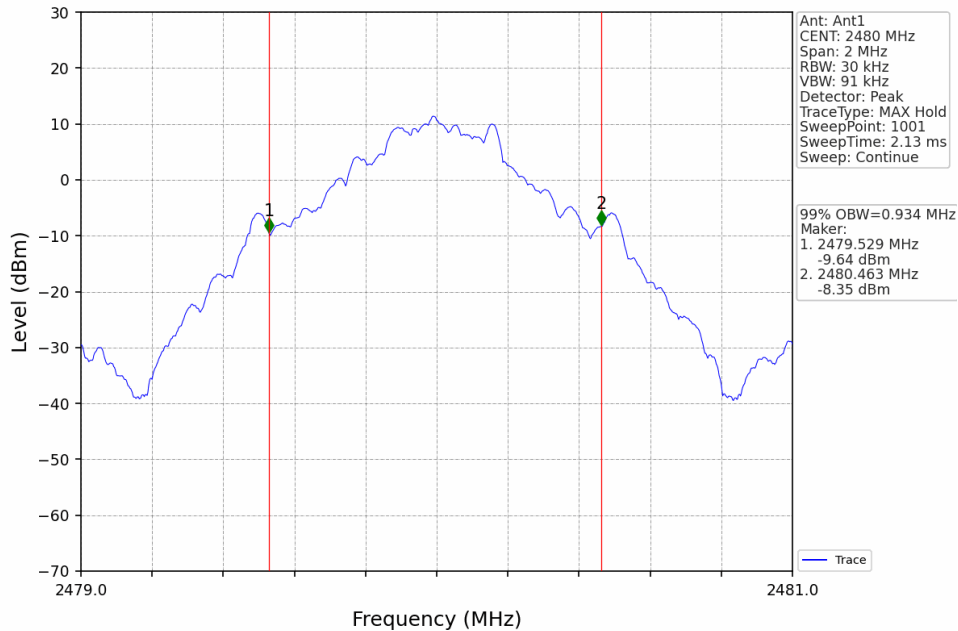
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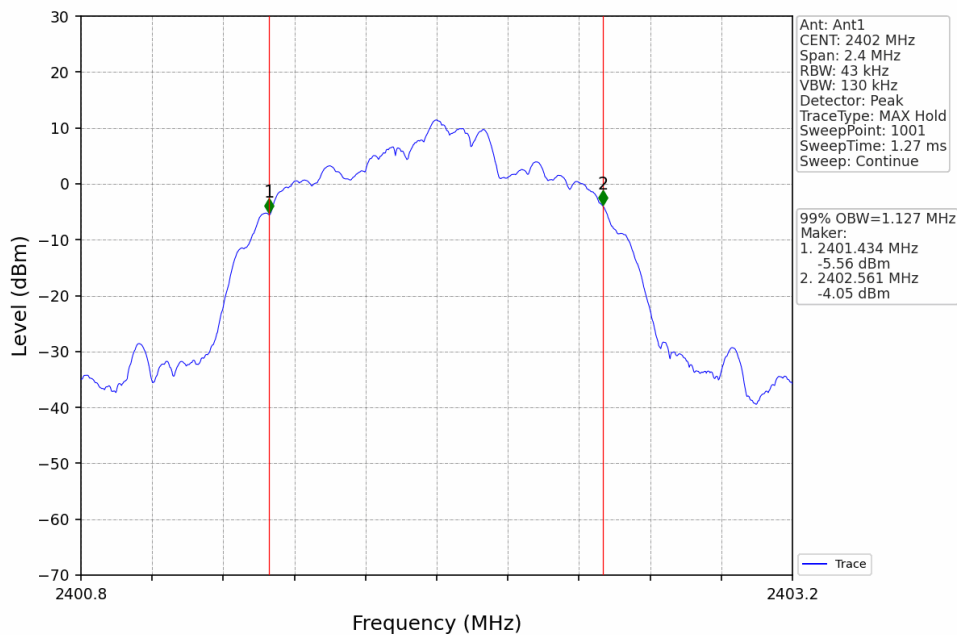
2.1.2 Test Graph



GFSK_DH5_HCH_2480MHz_Ant1_NTNV



Pi/4DQPSK_2DH5_LCH_2402MHz_Ant1_NTNV



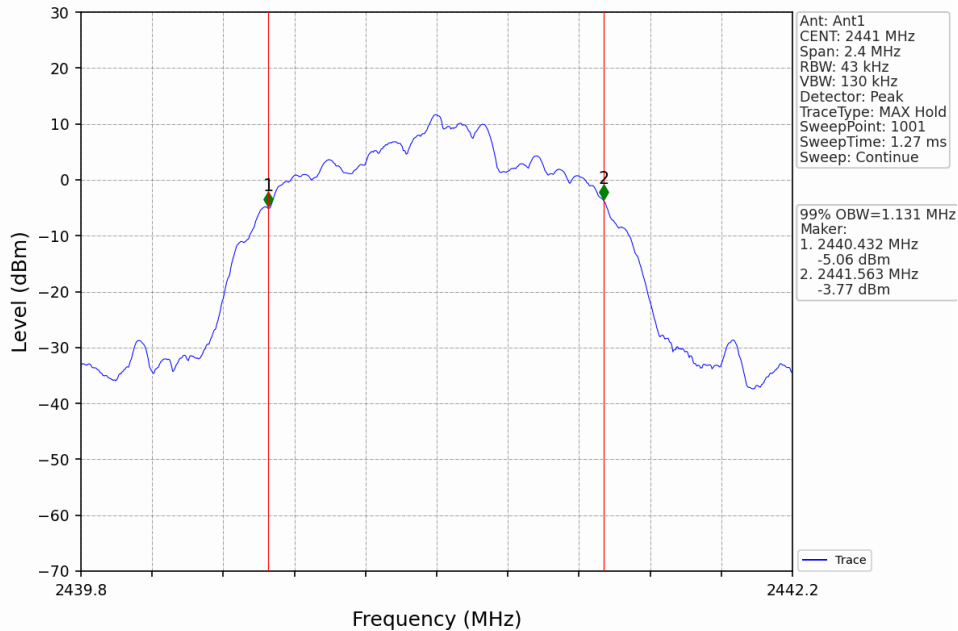
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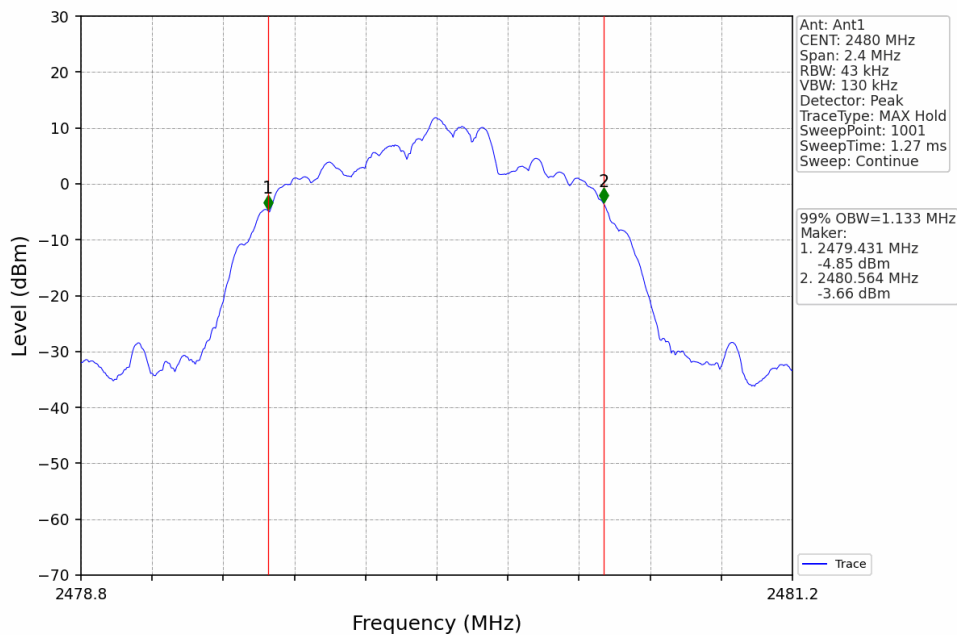
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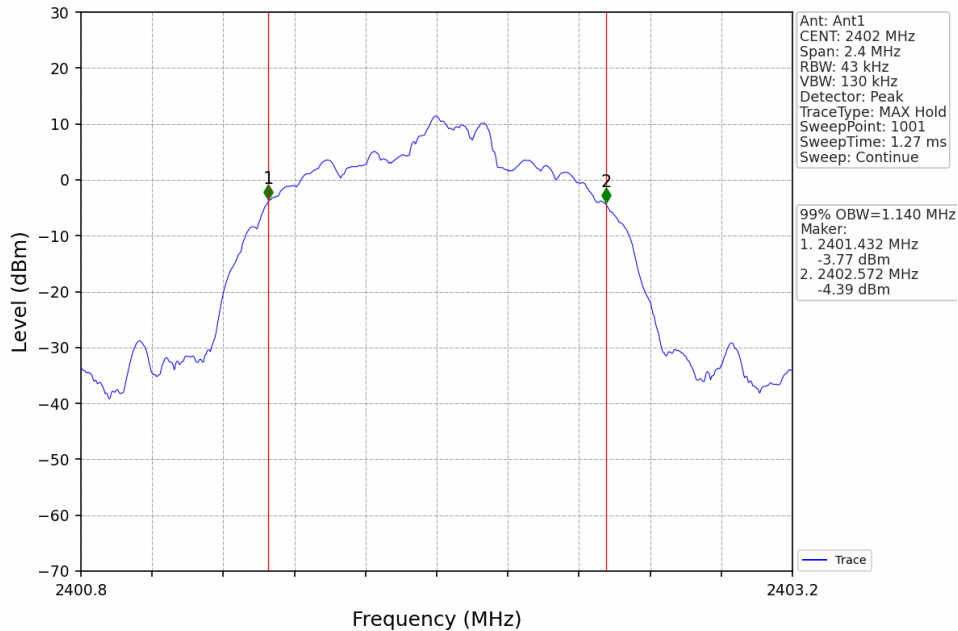
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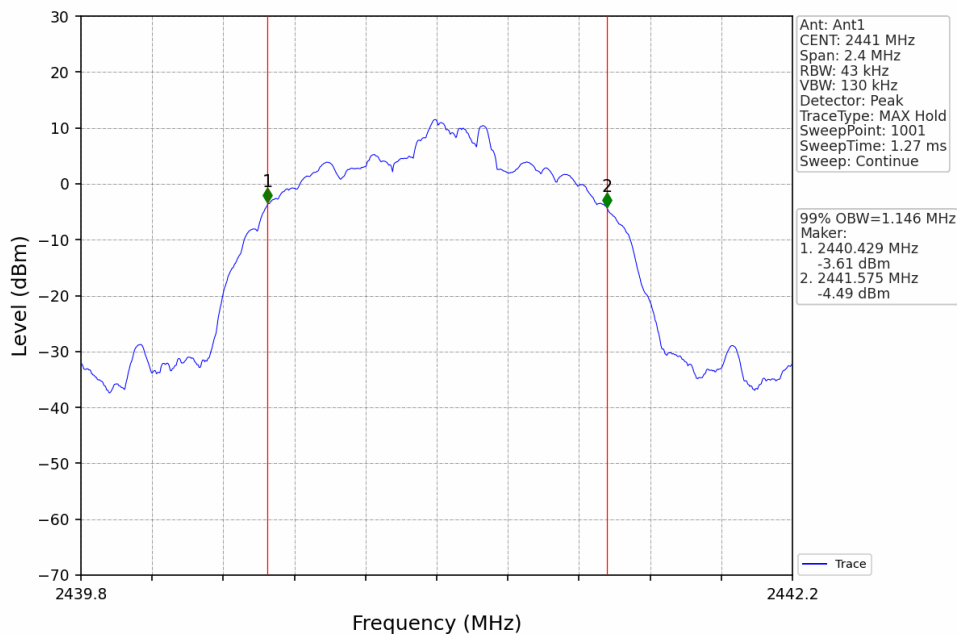
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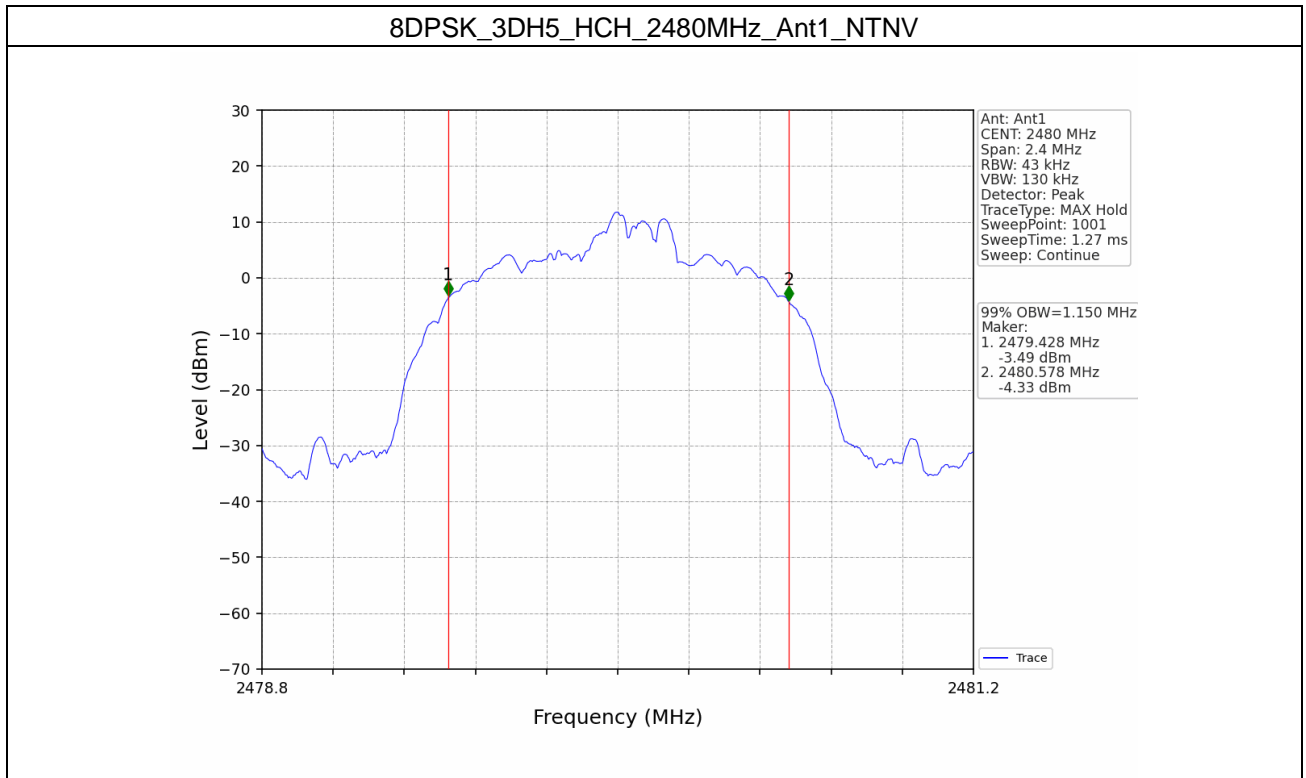


8DPSK_3DH5_LCH_2402MHz_Ant1_NTNV



8DPSK_3DH5_MCH_2441MHz_Ant1_NTNV





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2.2 20dB BW

2.2.1 Test Result

Mode	TX Type	Frequency (MHz)	Packet Type	ANT	20dB Bandwidth (MHz)	Verdict
					Result	
GFSK	SISO	2402	DH5	1	1.044	Pass
		2441	DH5	1	1.041	Pass
		2480	DH5	1	1.033	Pass
Pi/4DQPSK	SISO	2402	2DH5	1	1.221	Pass
		2441	2DH5	1	1.222	Pass
		2480	2DH5	1	1.243	Pass
8DPSK	SISO	2402	3DH5	1	1.269	Pass
		2441	3DH5	1	1.271	Pass
		2480	3DH5	1	1.278	Pass



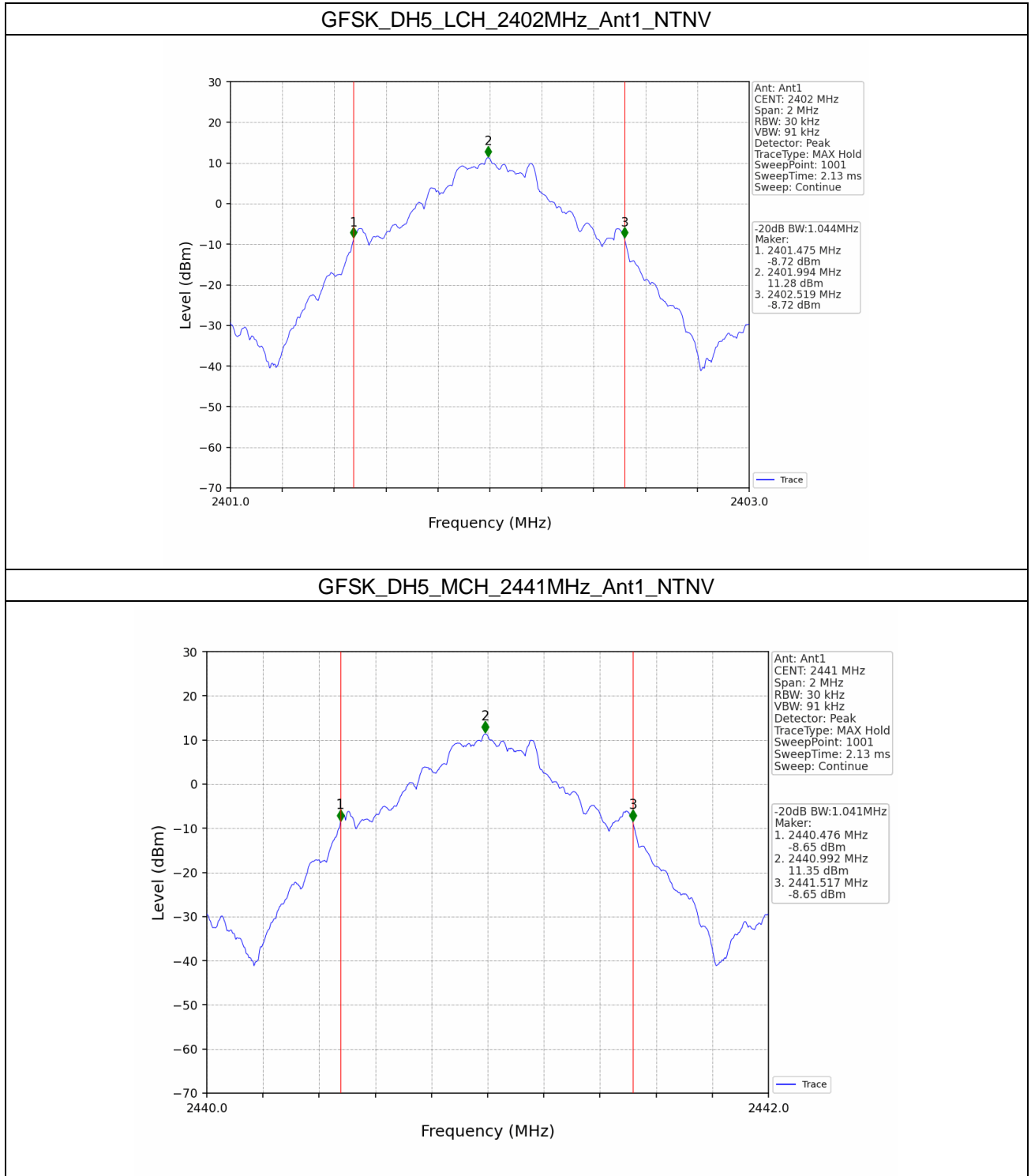
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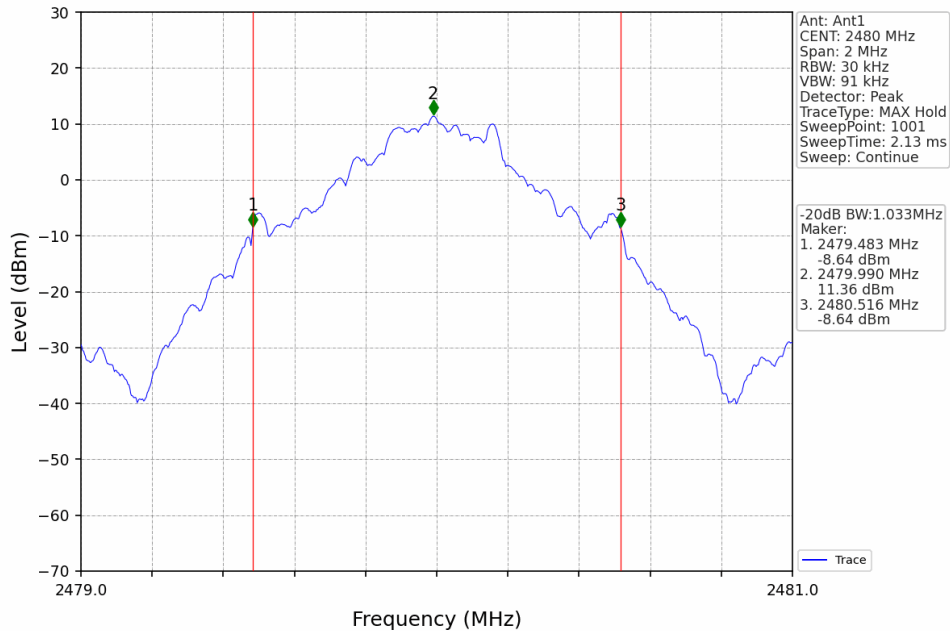
2.2.2 Test Graph



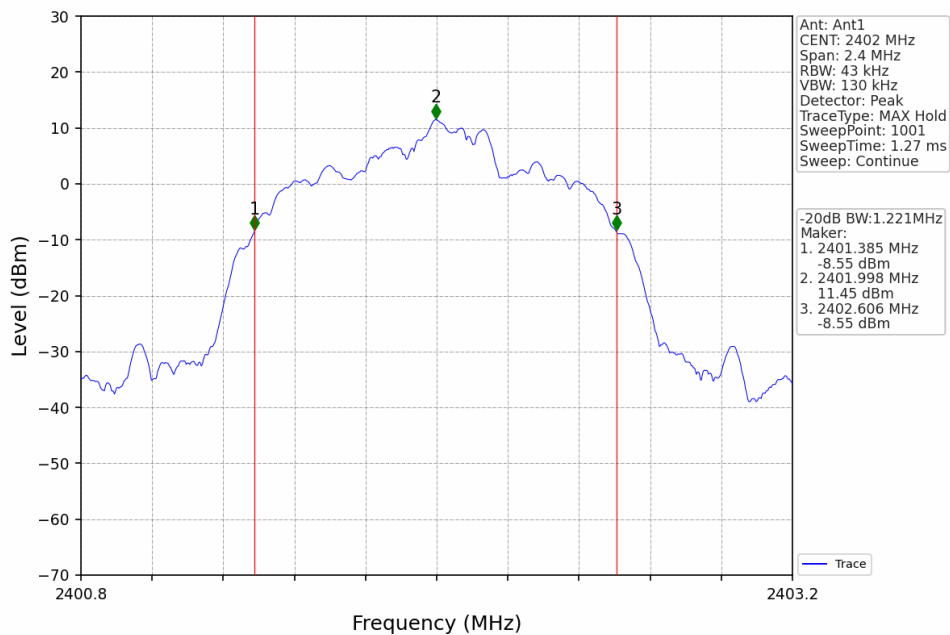
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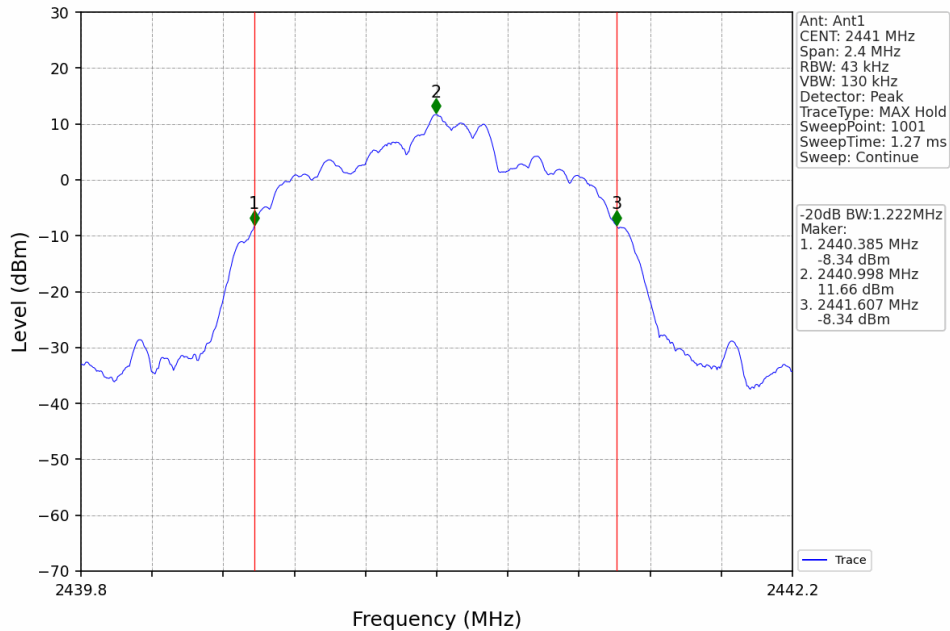
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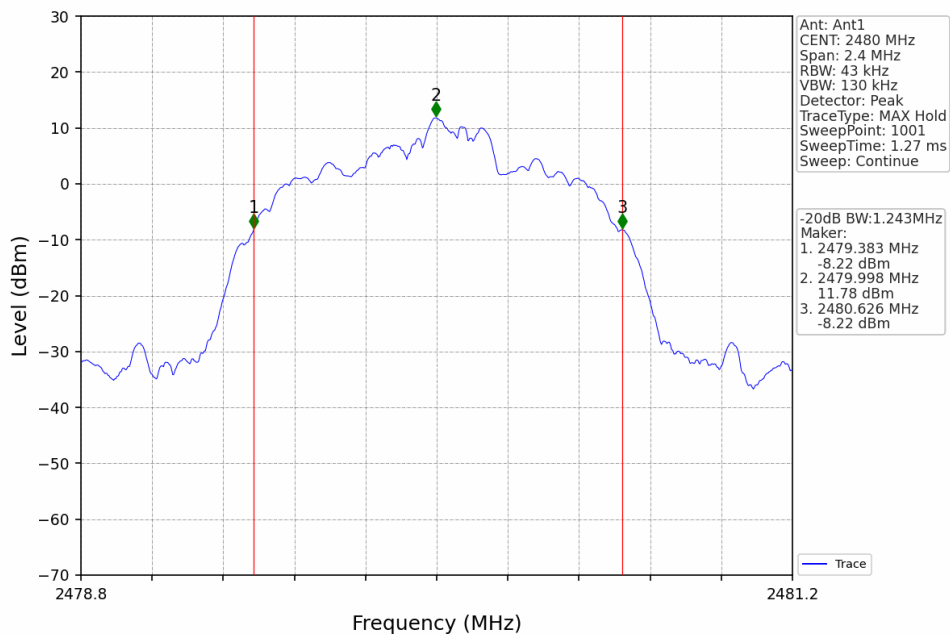
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Pi/4DQPSK_2DH5_MCH_2441MHz_Ant1_NTNV



Pi/4DQPSK_2DH5_HCH_2480MHz_Ant1_NTNV



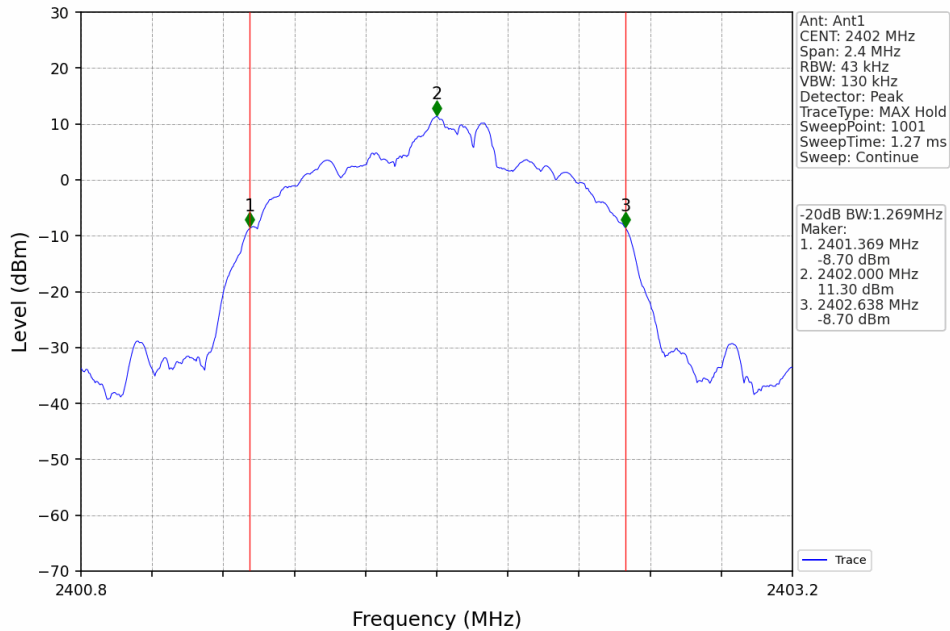
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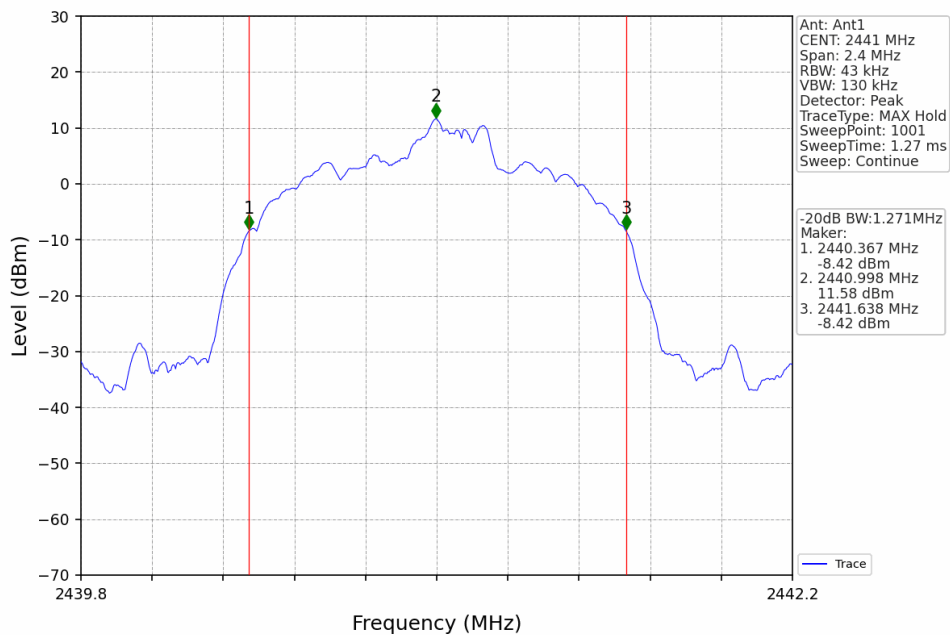
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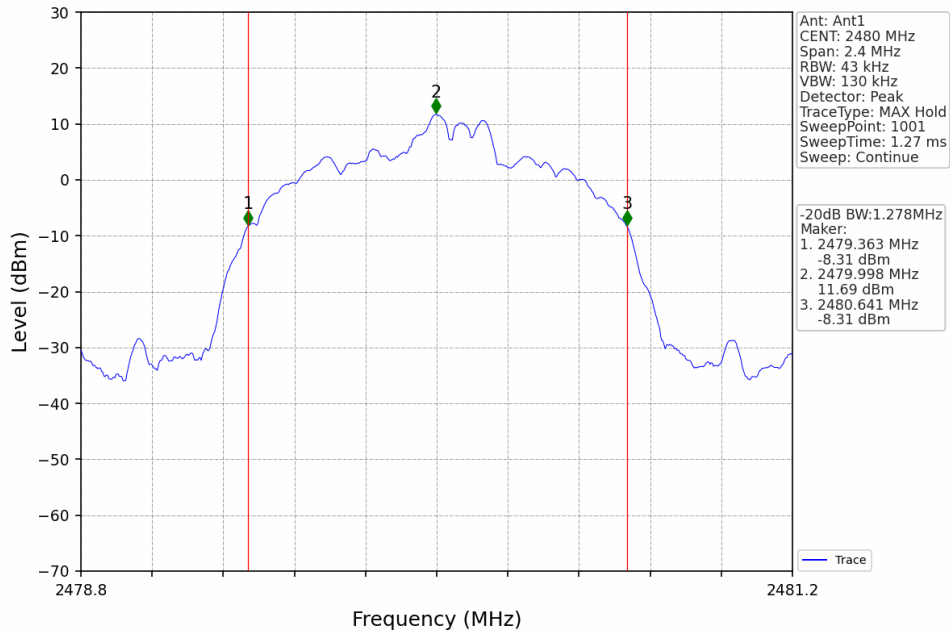
8DPSK_3DH5_LCH_2402MHz_Ant1_NTNV



8DPSK_3DH5_MCH_2441MHz_Ant1_NTNV



8DPSK_3DH5_HCH_2480MHz_Ant1_NTNV



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3. Maximum Conducted Output Power

3.1 Power

3.1.1 Test Result

Mode	TX Type	Frequency (MHz)	Packet Type	Maximum Peak Conducted Output Power (dBm)		Verdict
				ANT1	Limit	
GFSK	SISO	2402	DH5	12.38	<=20.97	Pass
		2441	DH5	12.41	<=20.97	Pass
		2480	DH5	12.43	<=20.97	Pass
Pi/4DQPSK	SISO	2402	2DH5	11.80	<=20.97	Pass
		2441	2DH5	12.03	<=20.97	Pass
		2480	2DH5	12.17	<=20.97	Pass
8DPSK	SISO	2402	3DH5	11.74	<=20.97	Pass
		2441	3DH5	11.94	<=20.97	Pass
		2480	3DH5	12.10	<=20.97	Pass



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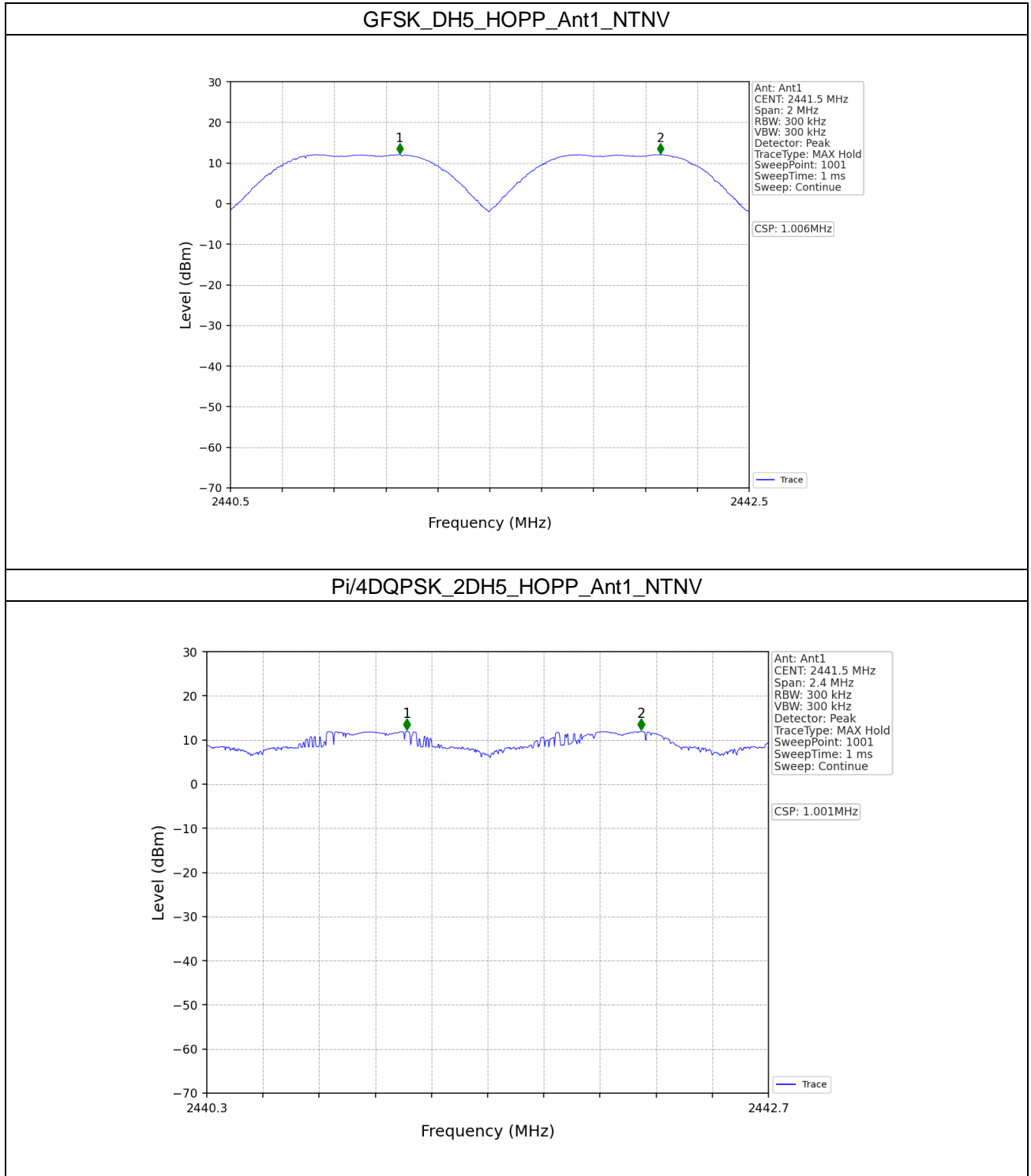
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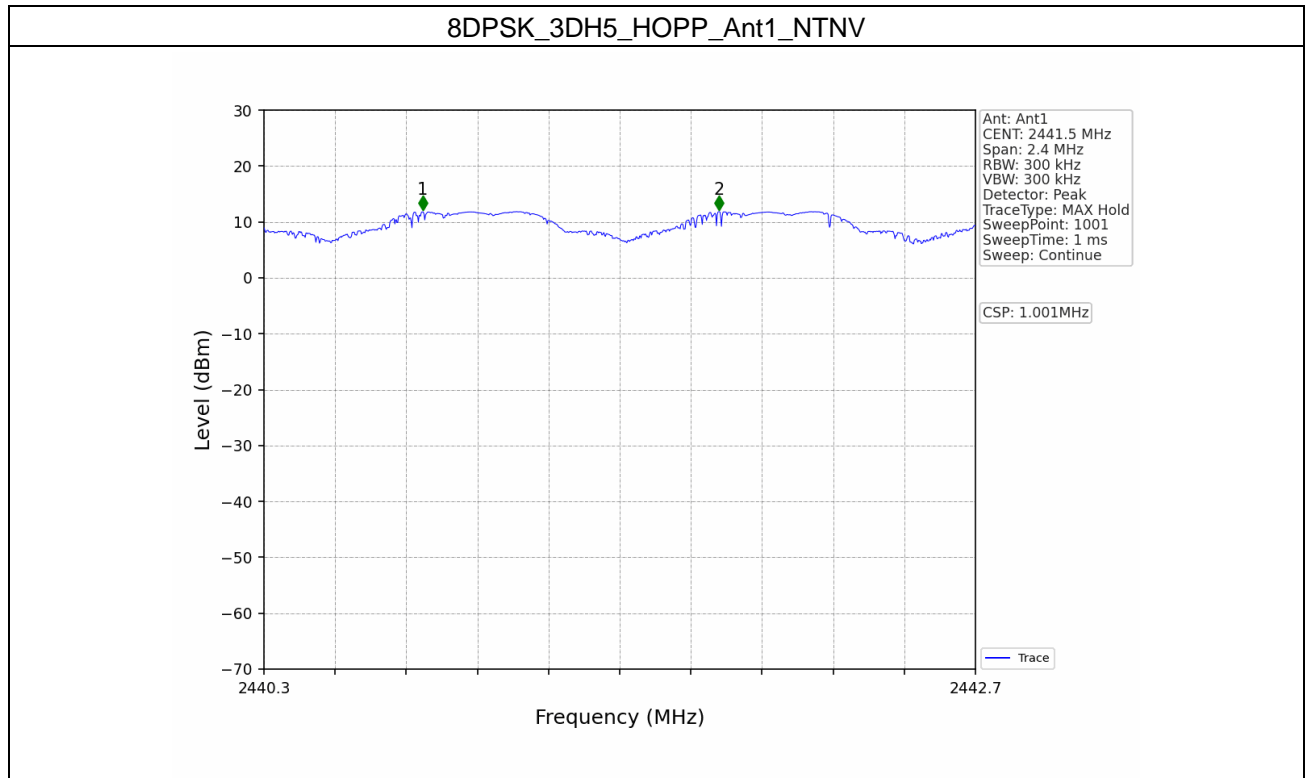
4.1 Ant1

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	1.006	1.044	≥ 0.696	Pass
PI/4DQPSK	SISO	HOPP	2DH5	1.001	1.243	≥ 0.829	Pass
8DPSK	SISO	HOPP	3DH5	1.001	1.278	≥ 0.852	Pass

4.1.2 Test Graph





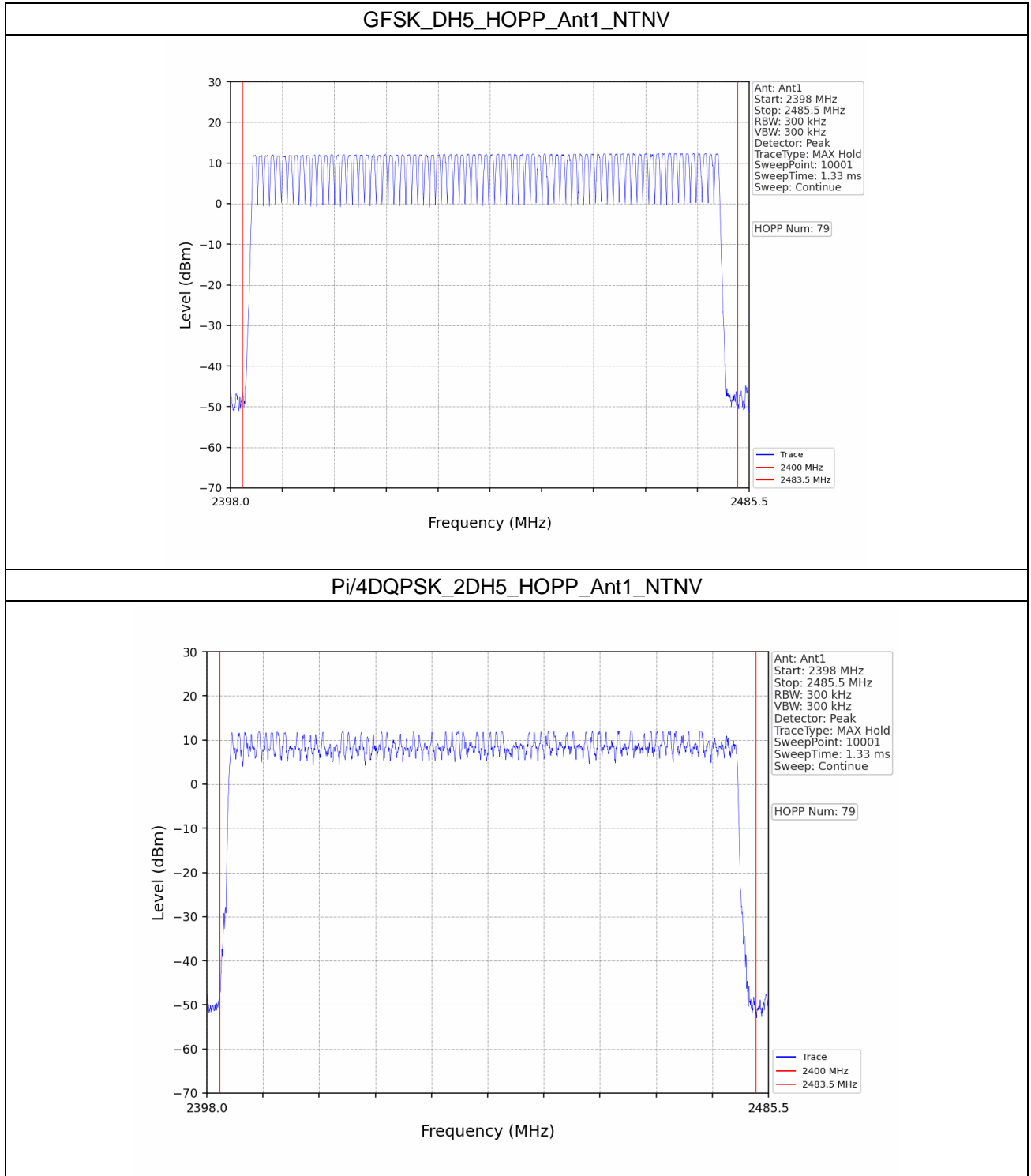
5. Number of Hopping Frequencies

5.1 HoppNum

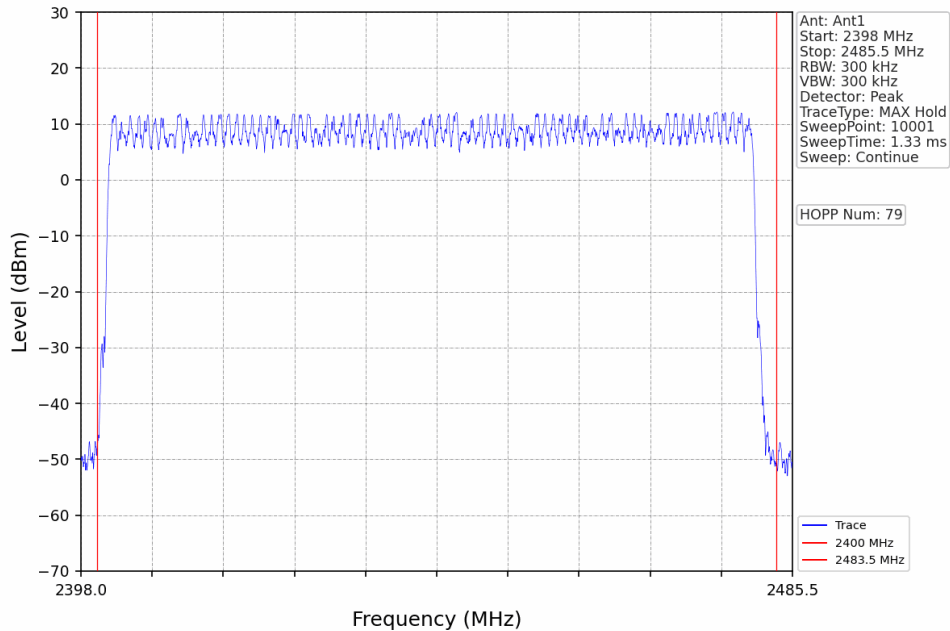
5.1.1 Test Result

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



8DPSK_3DH5_HOPP_Ant1_NTNV



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6. Time of Occupancy (Dwell Time)

6.1 Ant1

6.1.1 Test Result

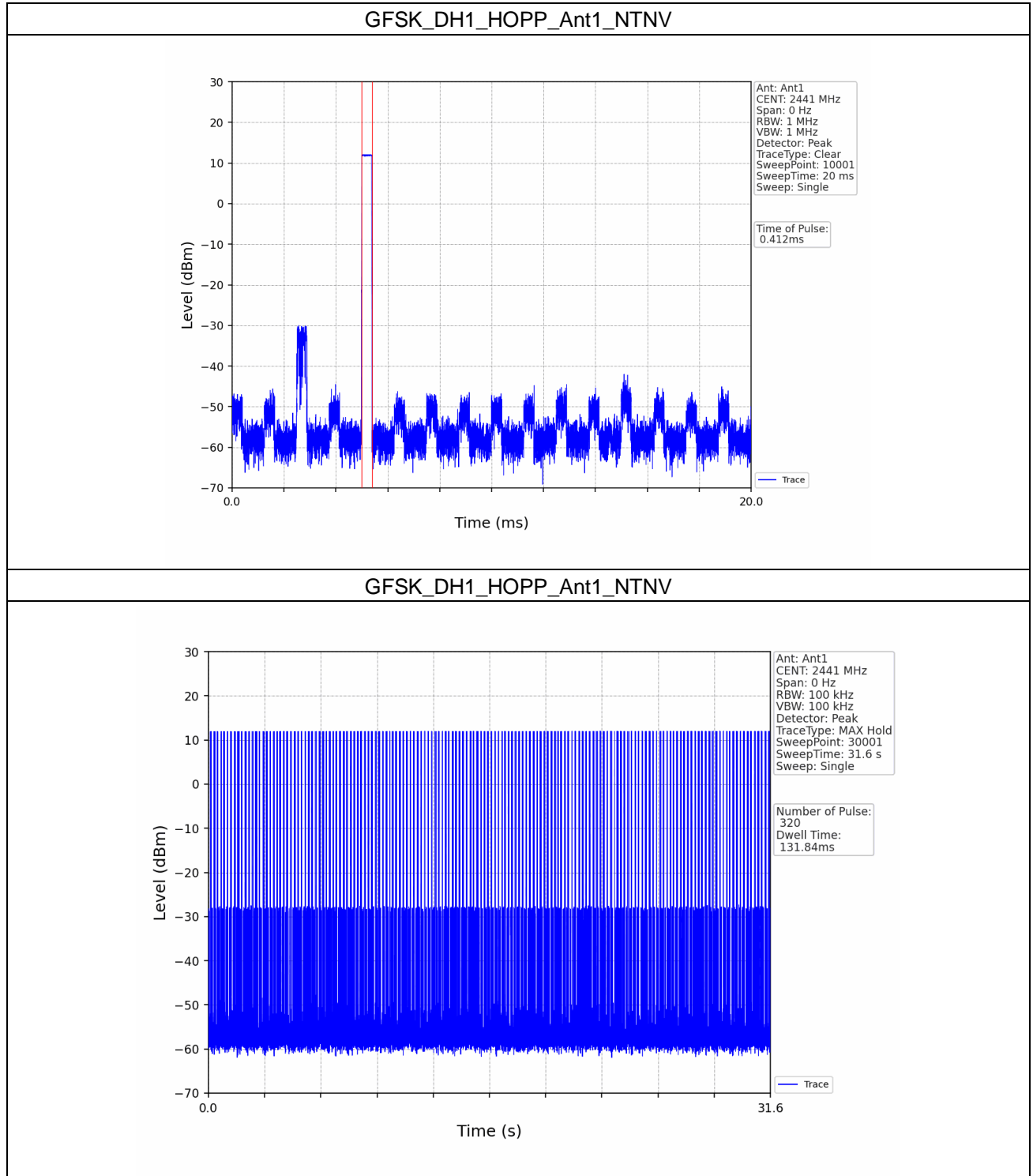
Ant1									
Mode	TX Type	Frequency (MHz)	Packet Type	Duration of Single Pulse (ms)	Observation Period (s)	Num of Pulse in Observation Period	Dwell Time (ms)	Limit (ms)	Verdict
GFSK	SISO	HOPP	DH1	0.412	31.600	320	131.840	<=400	Pass
			DH3	1.670	31.600	150	250.500	<=400	Pass
			DH5	2.916	31.600	100	291.600	<=400	Pass
Pi/4DQPSK	SISO	HOPP	2DH1	0.404	31.600	320	129.280	<=400	Pass
			2DH3	1.676	31.600	168	281.568	<=400	Pass
			2DH5	2.924	31.600	109	318.716	<=400	Pass
8DPSK	SISO	HOPP	3DH1	0.402	31.600	320	128.640	<=400	Pass
			3DH3	1.658	31.600	168	278.544	<=400	Pass
			3DH5	2.924	31.600	109	318.716	<=400	Pass



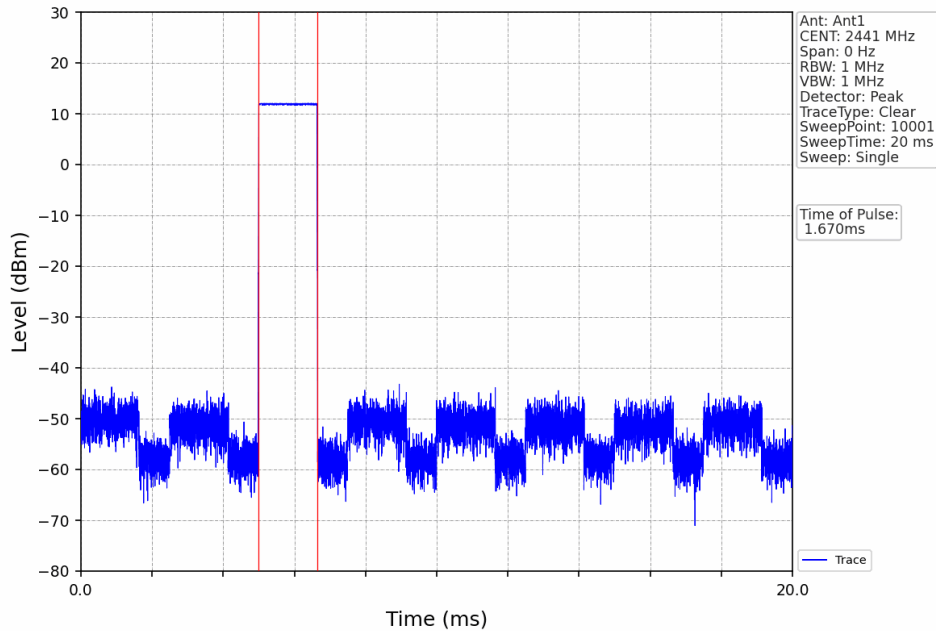
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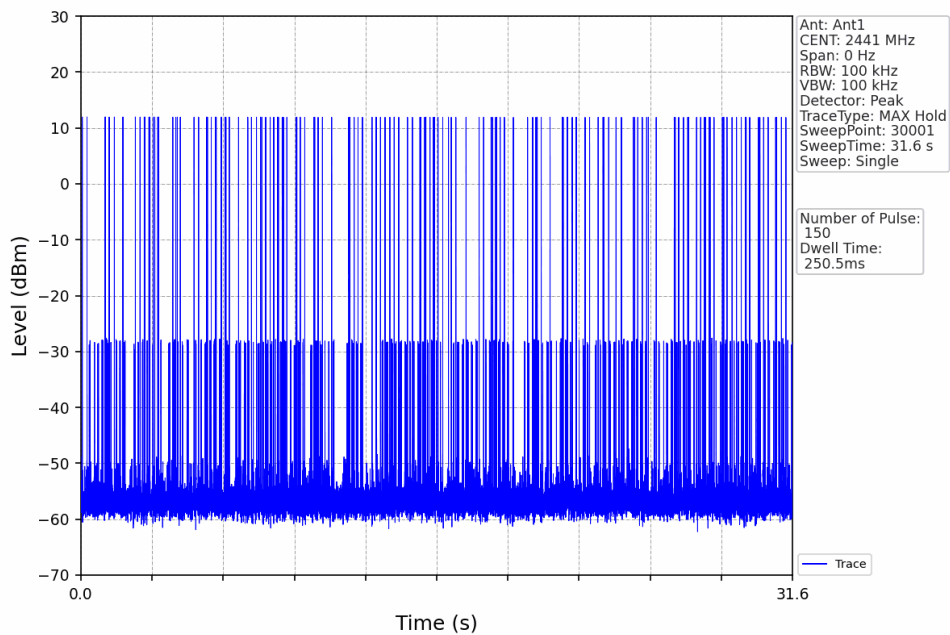
6.1.2 Test Graph



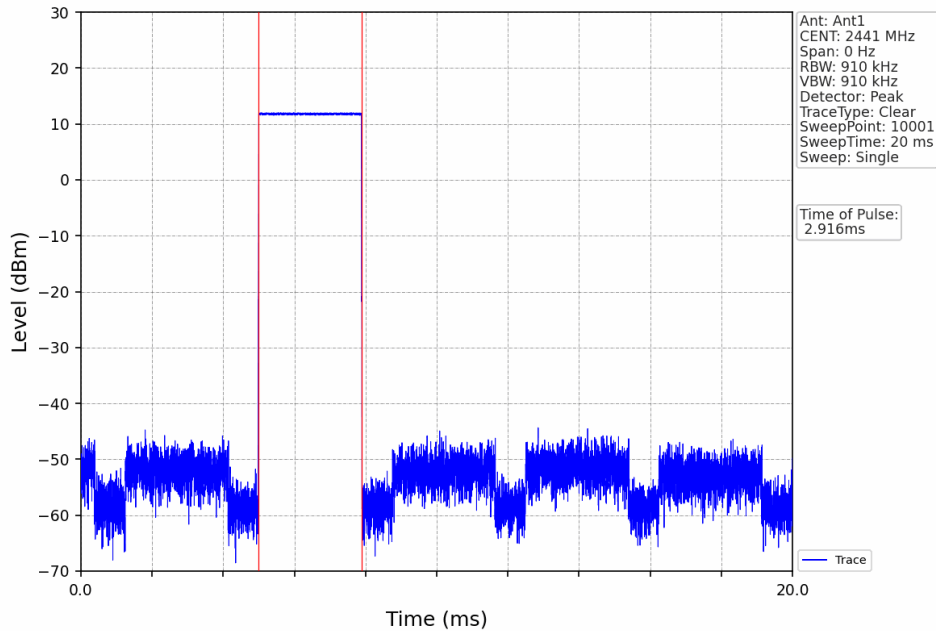
GFSK_DH3_HOPP_Ant1_NTNV



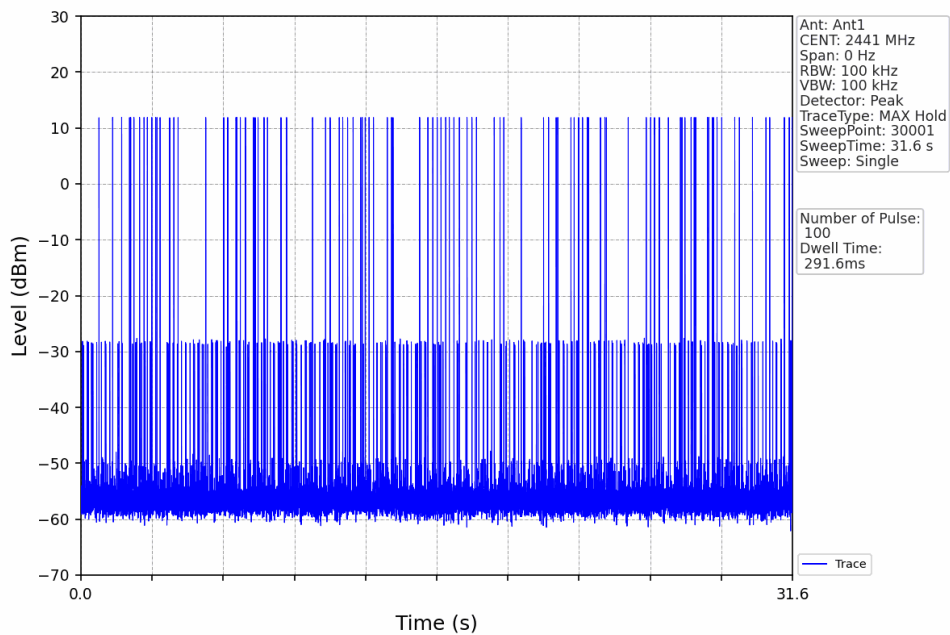
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GFSK_DH5_HOPP_Ant1_NTNV



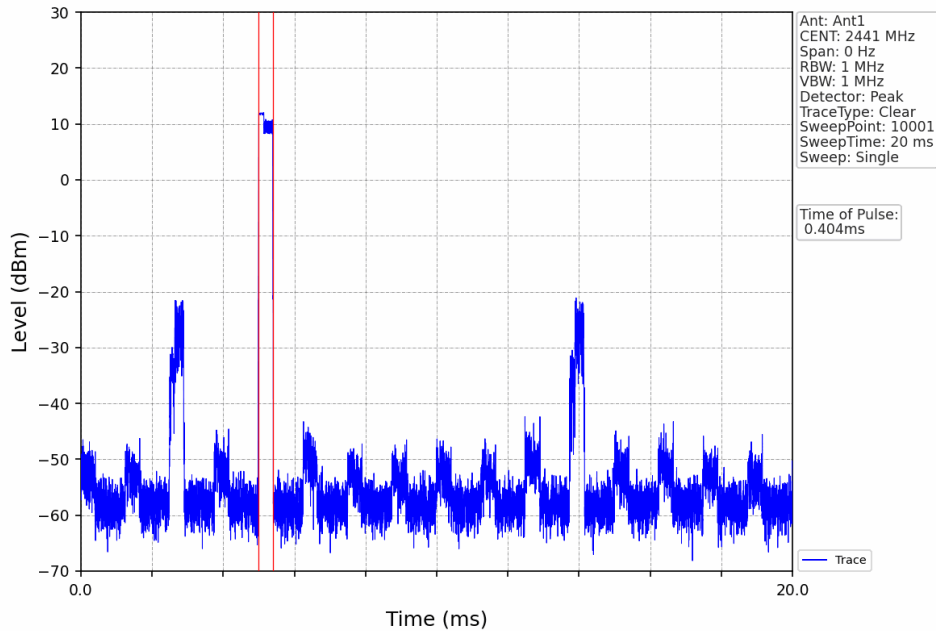
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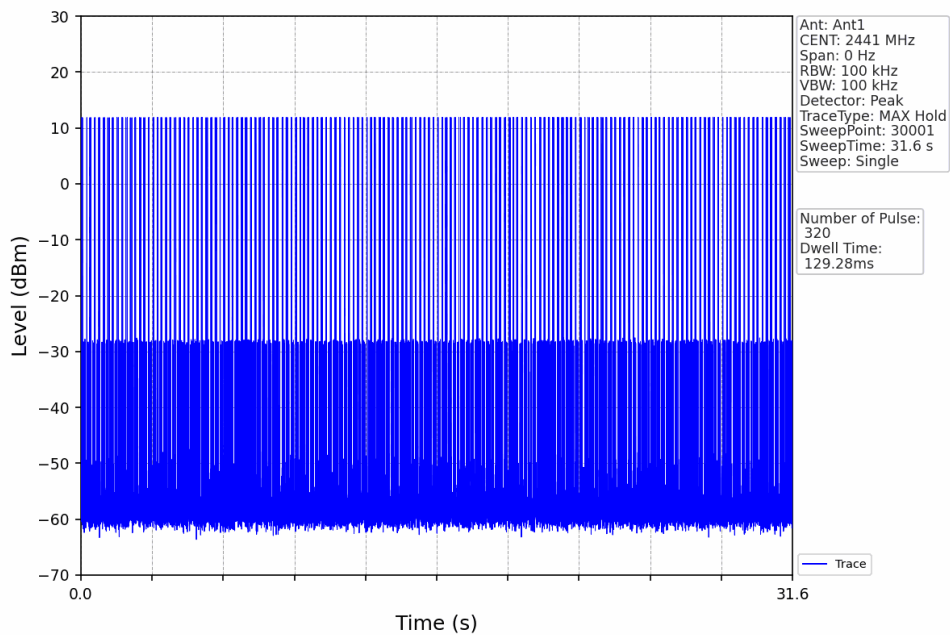
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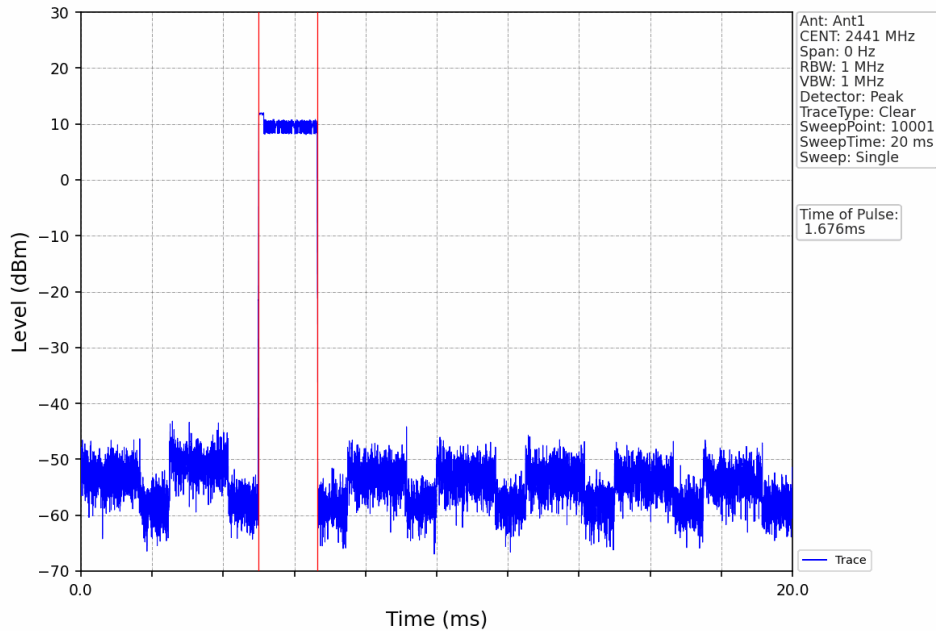
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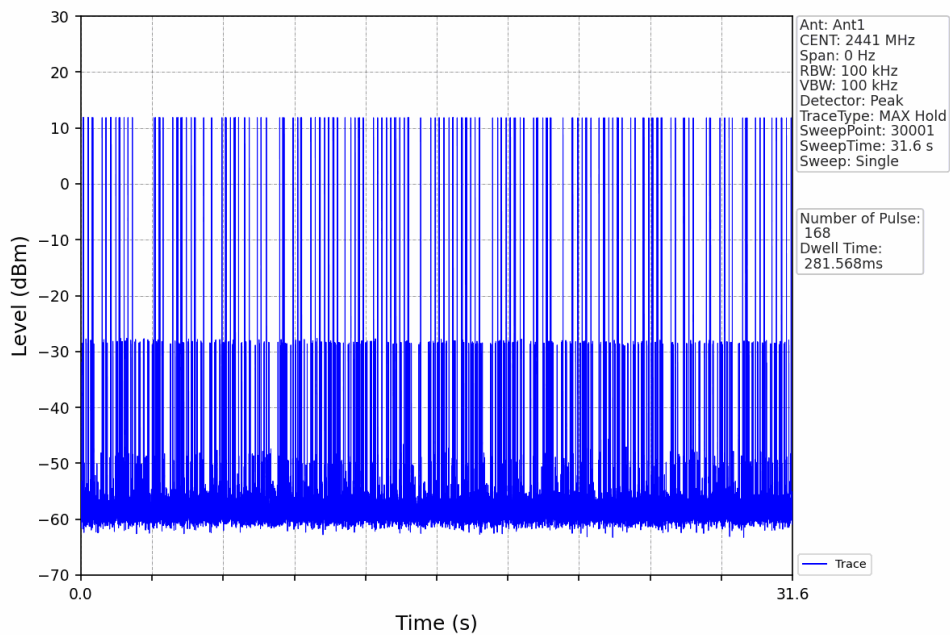
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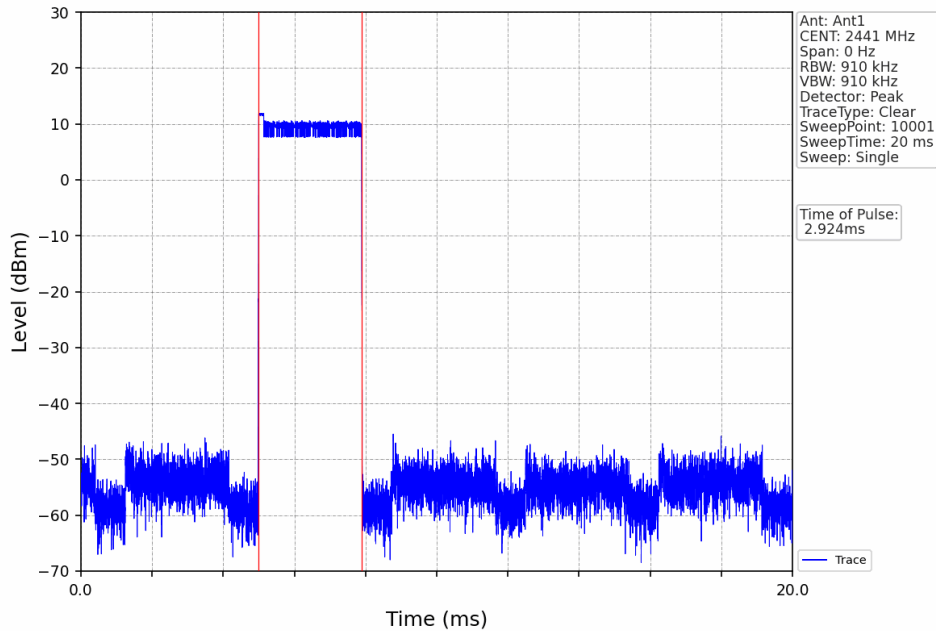
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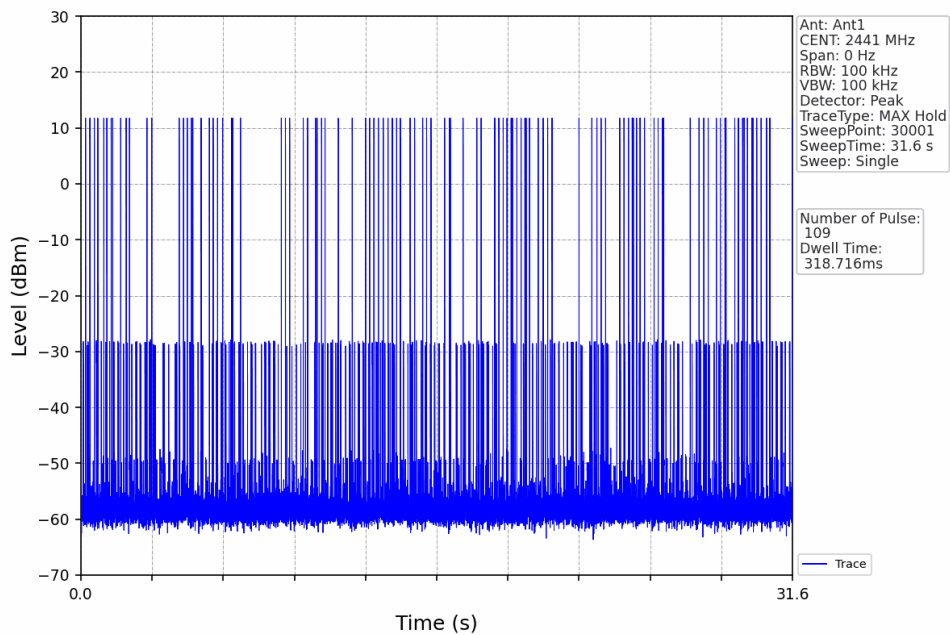
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Pi/4DQPSK_2DH5_HOPP_Ant1_NTNV



Pi/4DQPSK_2DH5_HOPP_Ant1_NTNV



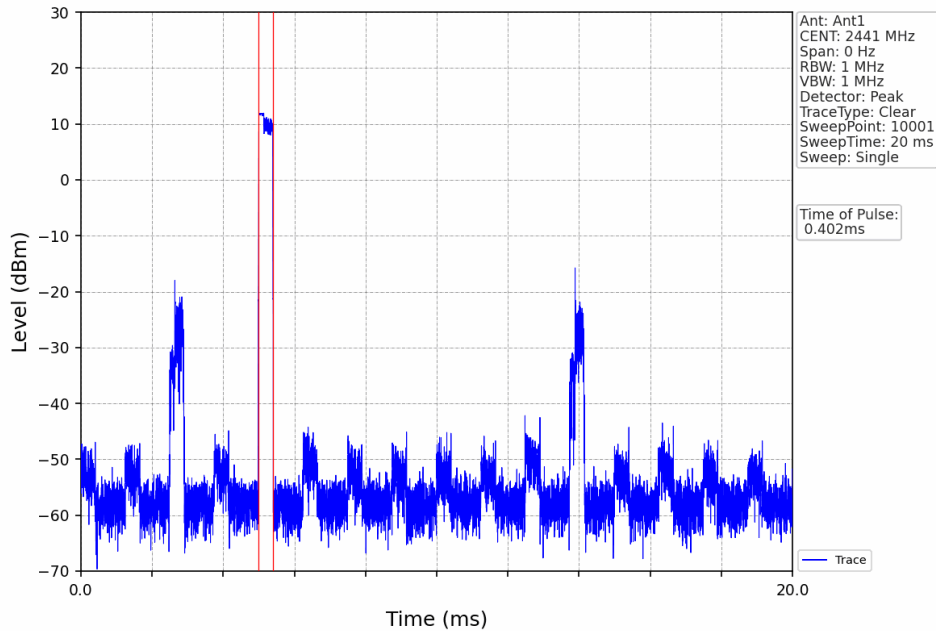
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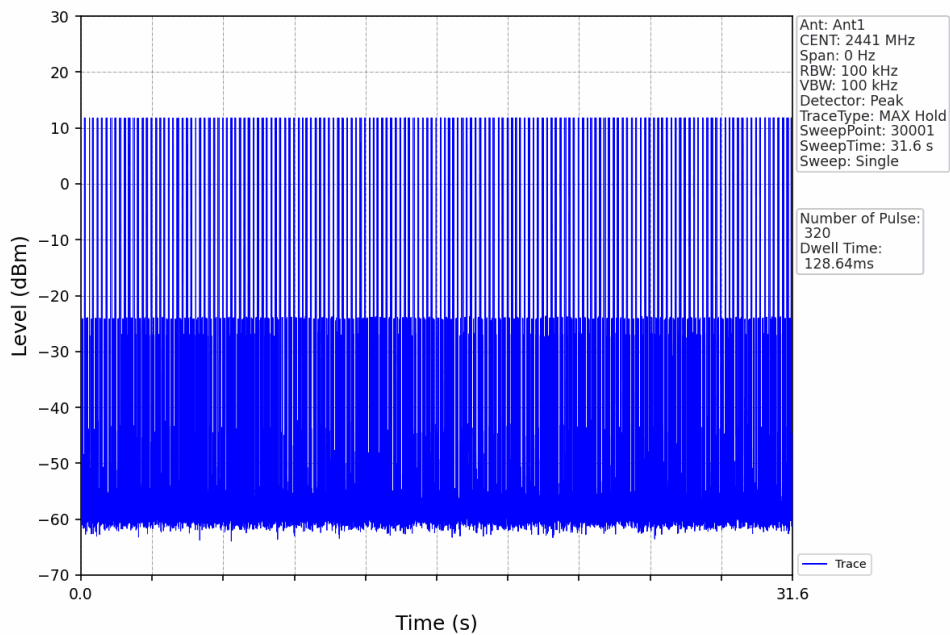
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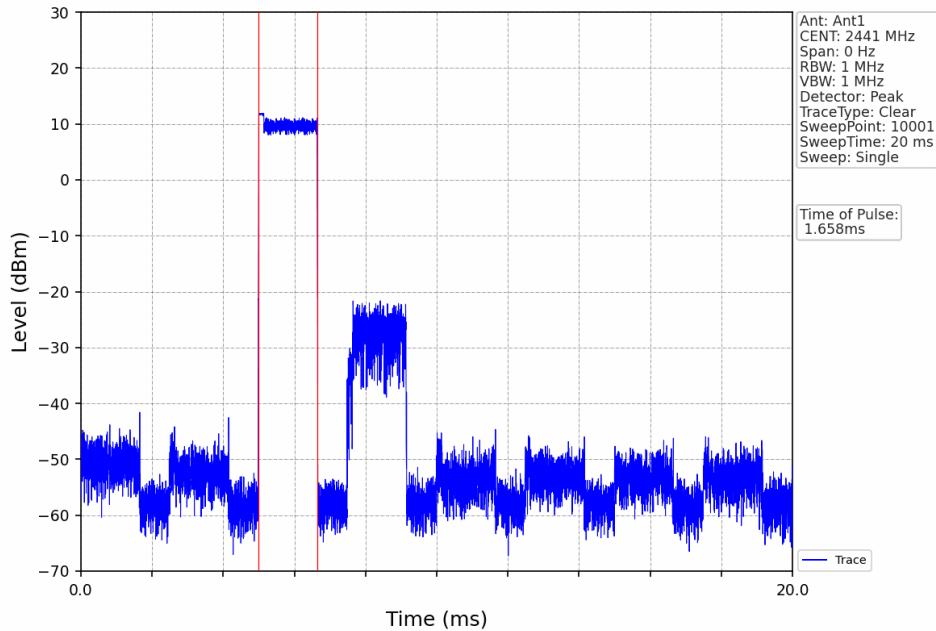
8DPSK_3DH1_HOPP_Ant1_NTNV



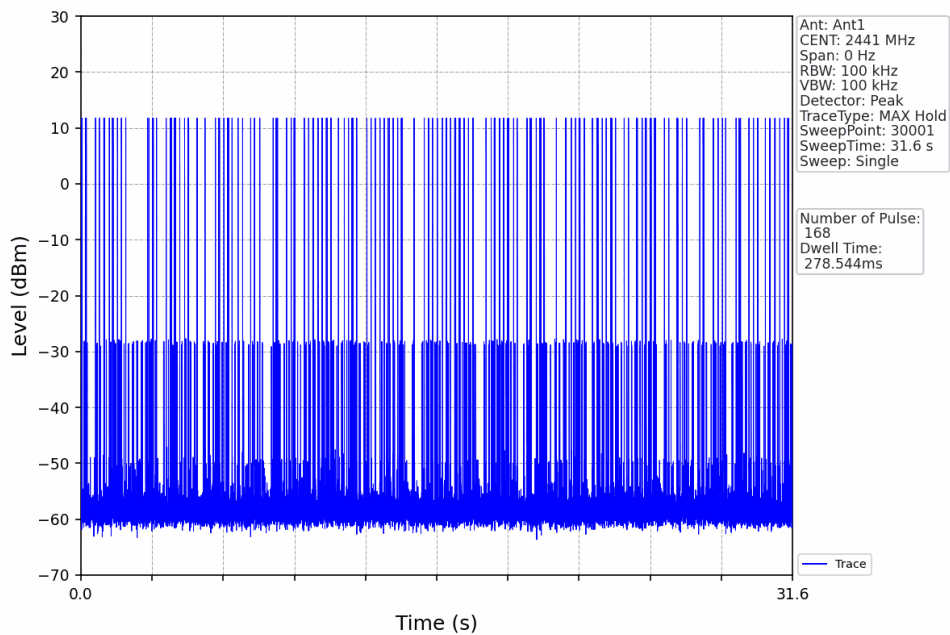
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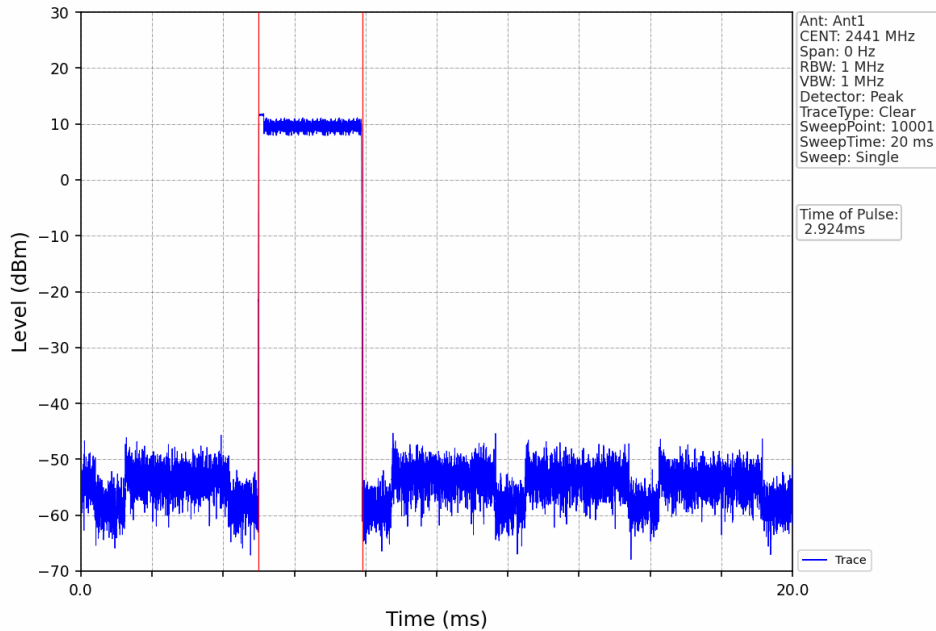
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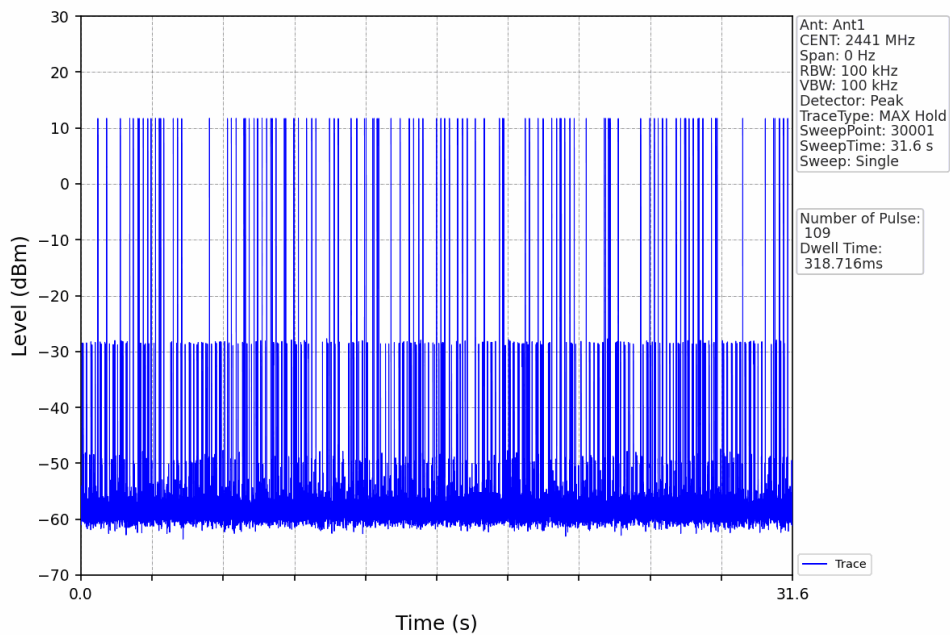
8DPSK_3DH3_HOPP_Ant1_NTNV



8DPSK_3DH5_HOPP_Ant1_NTNV



8DPSK_3DH5_HOPP_Ant1_NTNV



7. Unwanted Emissions In Non-restricted Frequency Bands

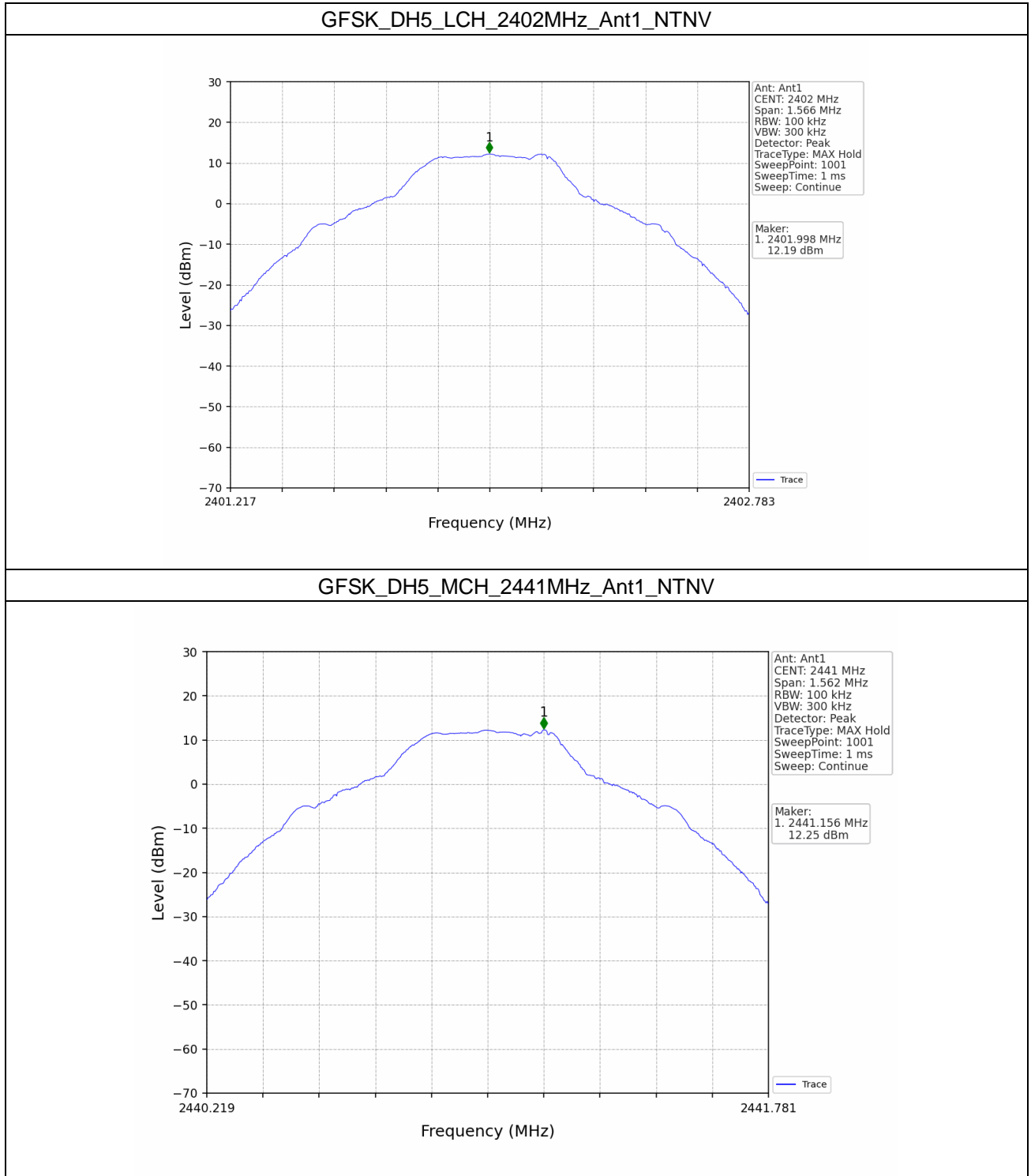
7.1 Ref

7.1.1 Test Result

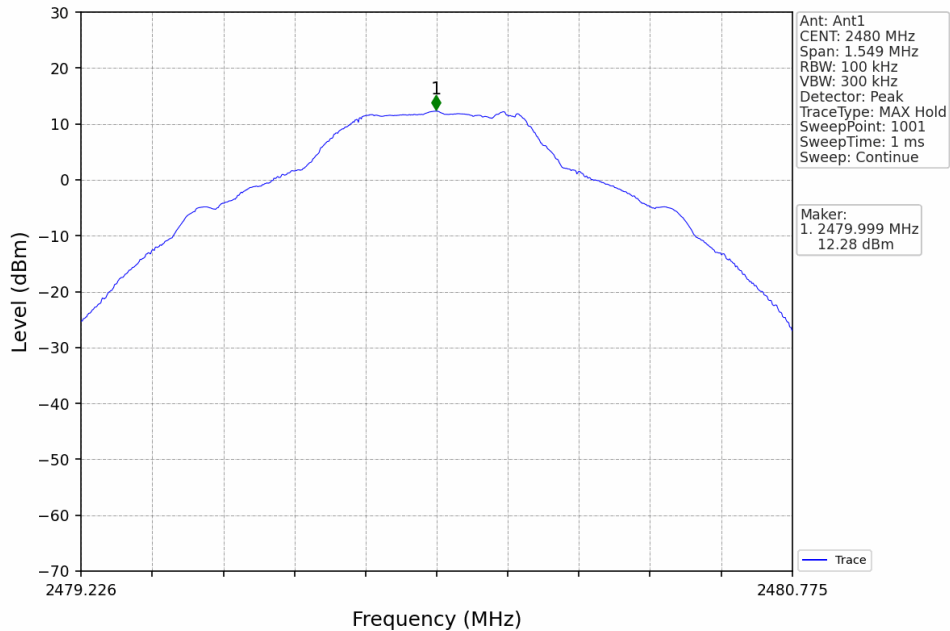
Mode	TX Type	Frequency (MHz)	Packet Type	ANT	Level of Reference (dBm)
GFSK	SISO	2402	DH5	1	12.19
		2441	DH5	1	12.25
		2480	DH5	1	12.28
Pi/4DQPSK	SISO	2402	2DH5	1	11.64
		2441	2DH5	1	11.86
		2480	2DH5	1	12.03
8DPSK	SISO	2402	3DH5	1	11.59
		2441	3DH5	1	11.79
		2480	3DH5	1	11.98



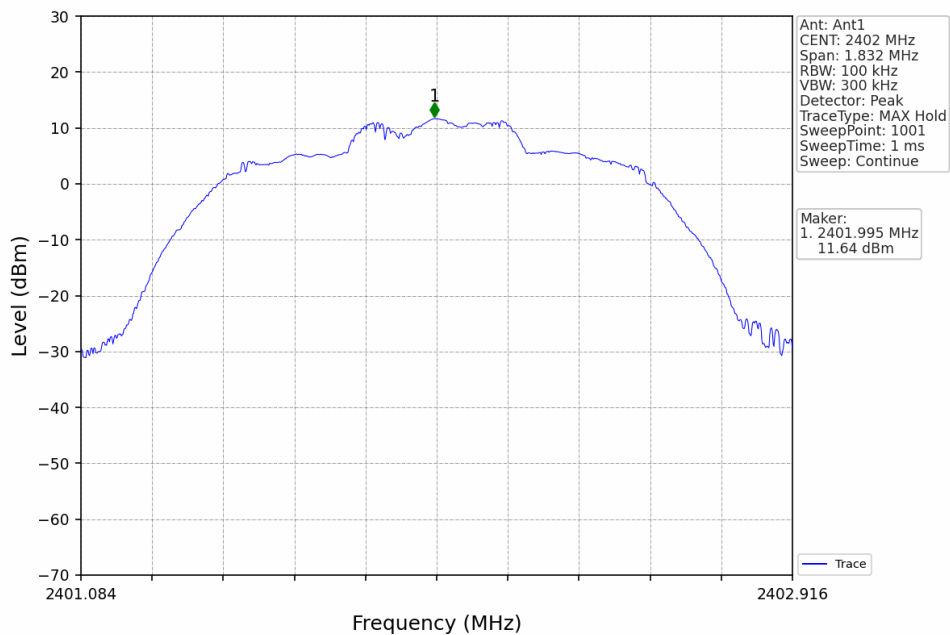
7.1.2 Test Graph



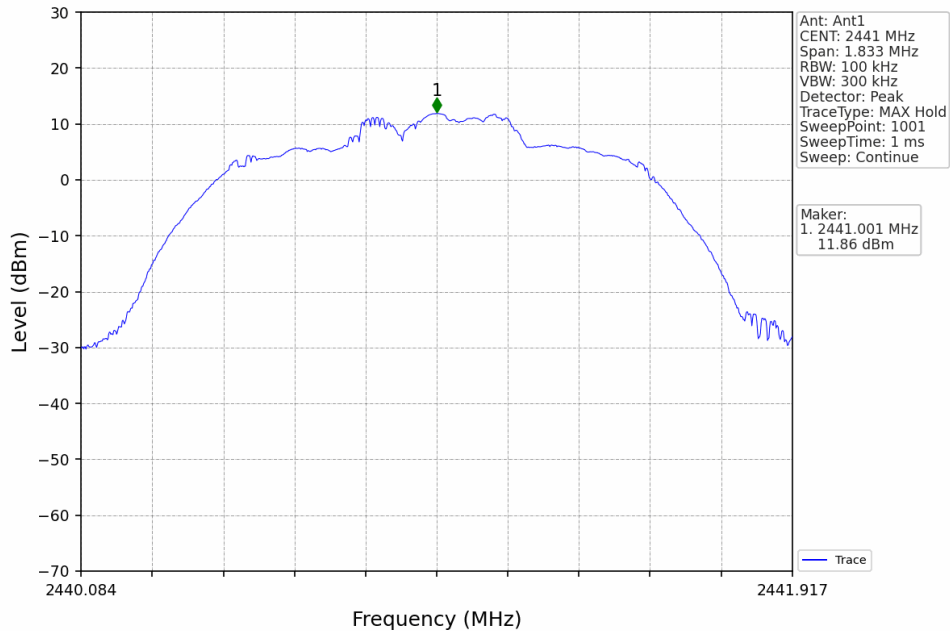
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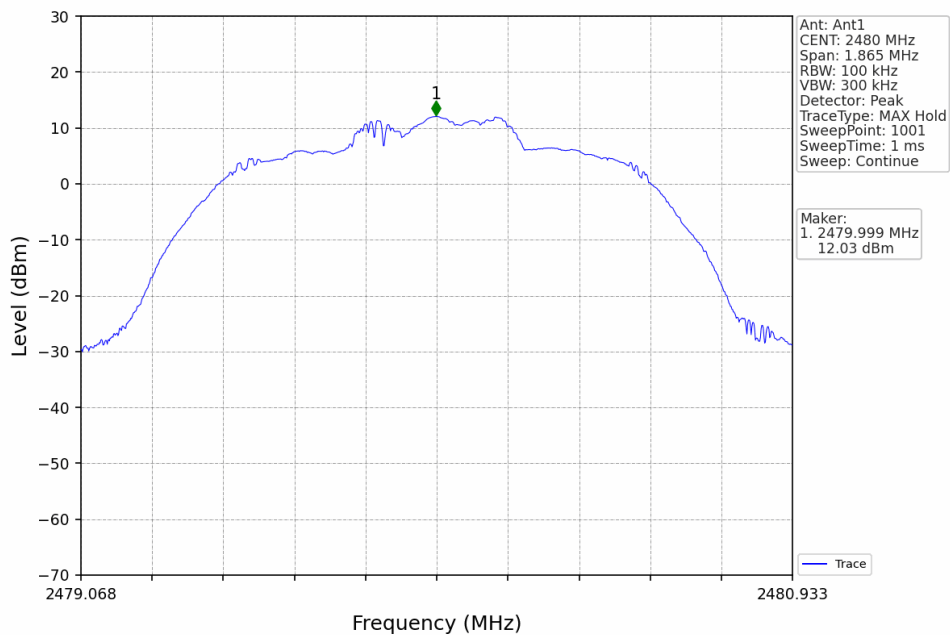
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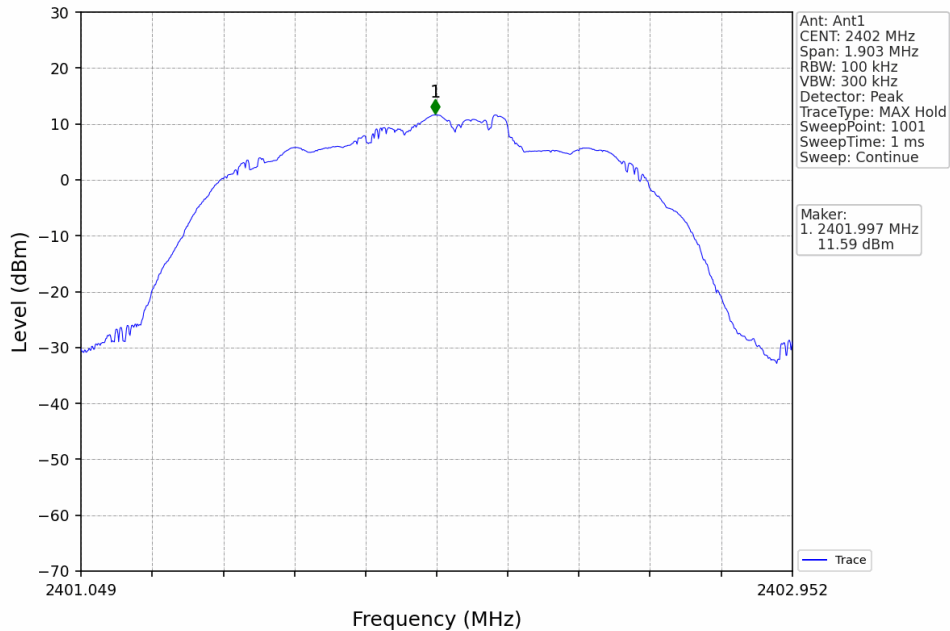
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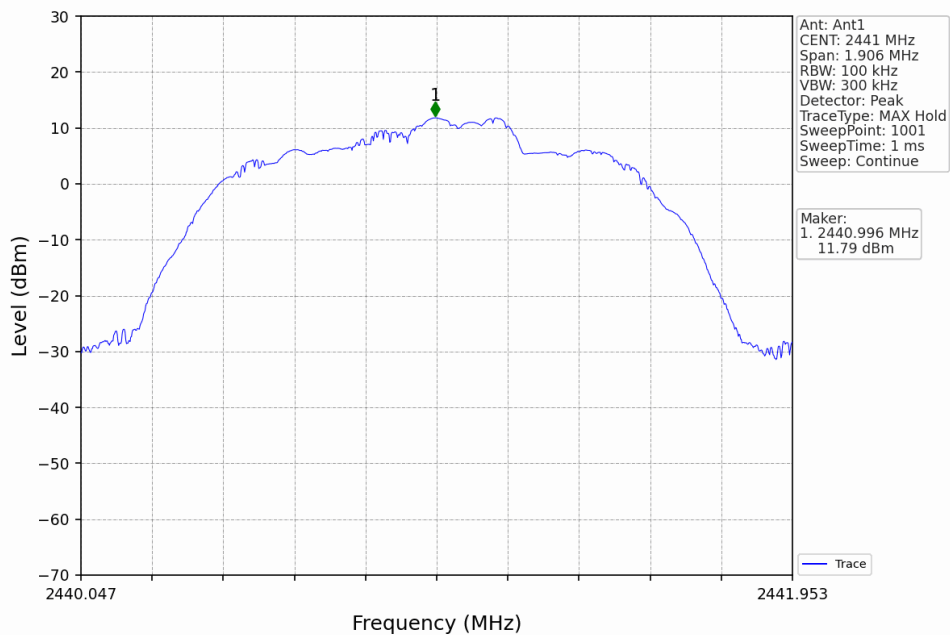
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8DPSK_3DH5_LCH_2402MHz_Ant1_NTNV



8DPSK_3DH5_MCH_2441MHz_Ant1_NTNV



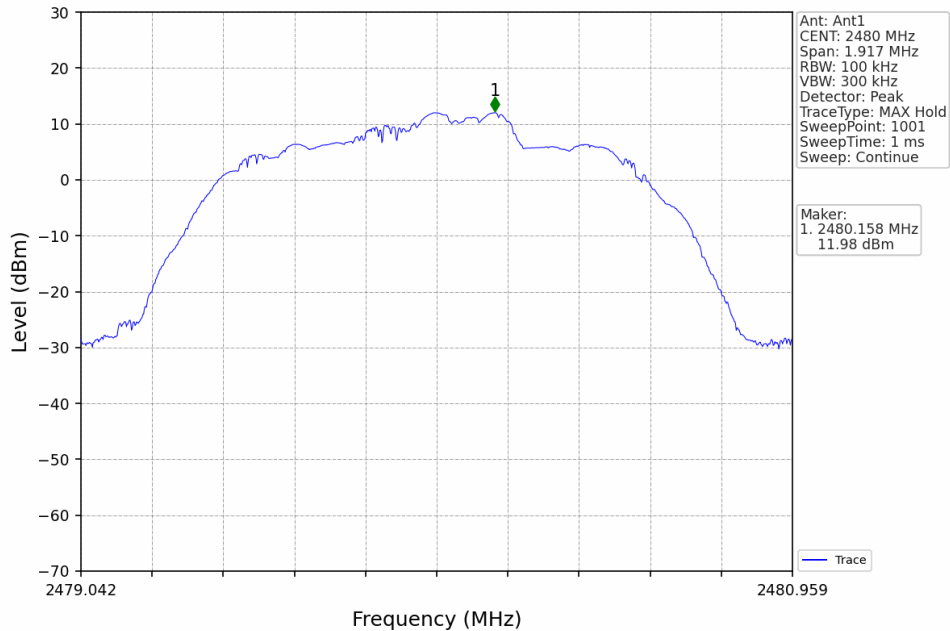
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8DPSK_3DH5_HCH_2480MHz_Ant1_NTNV



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SZEMC-TRF-01 Rev. A/0 Aug01,2022

Report No.: SZCR230600197102

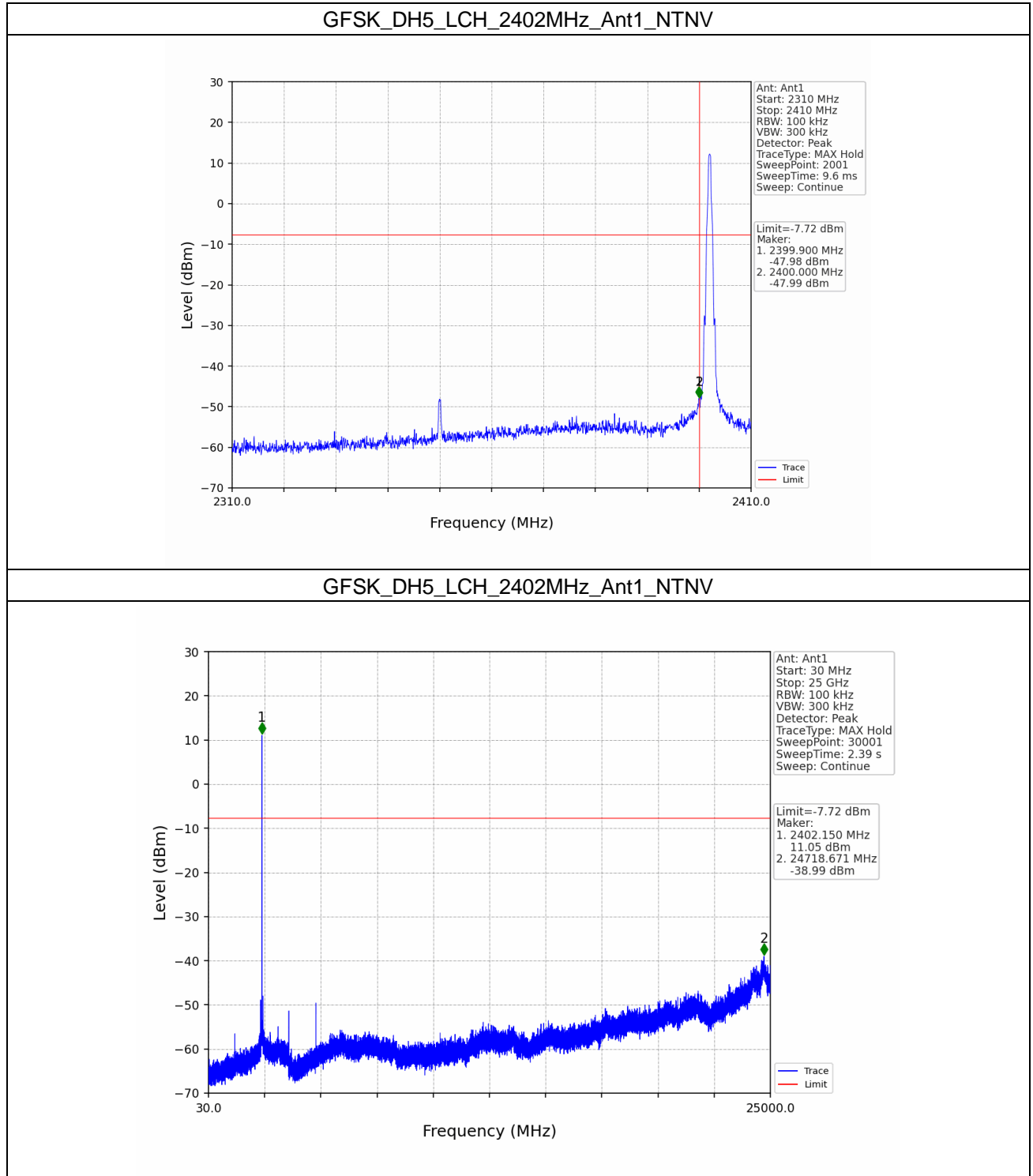
Page: 160 of 171

7.2 CSE

7.2.1 Test Result

Mode	TX Type	Frequency (MHz)	Packet Type	ANT	Level of Reference (dBm)	Limit (dBm)	Verdict
GFSK	SISO	2402	DH5	1	12.28	-7.72	Pass
		2441	DH5	1	12.28	-7.72	Pass
		2480	DH5	1	12.28	-7.72	Pass
		HOPP	DH5	1	12.28	-7.72	Pass
Pi/4DQPSK	SISO	2402	2DH5	1	12.03	-7.97	Pass
		2441	2DH5	1	12.03	-7.97	Pass
		2480	2DH5	1	12.03	-7.97	Pass
		HOPP	2DH5	1	12.03	-7.97	Pass
8DPSK	SISO	2402	3DH5	1	11.98	-8.02	Pass
		2441	3DH5	1	11.98	-8.02	Pass
		2480	3DH5	1	11.98	-8.02	Pass
		HOPP	3DH5	1	11.98	-8.02	Pass

7.2.2 Test Graph



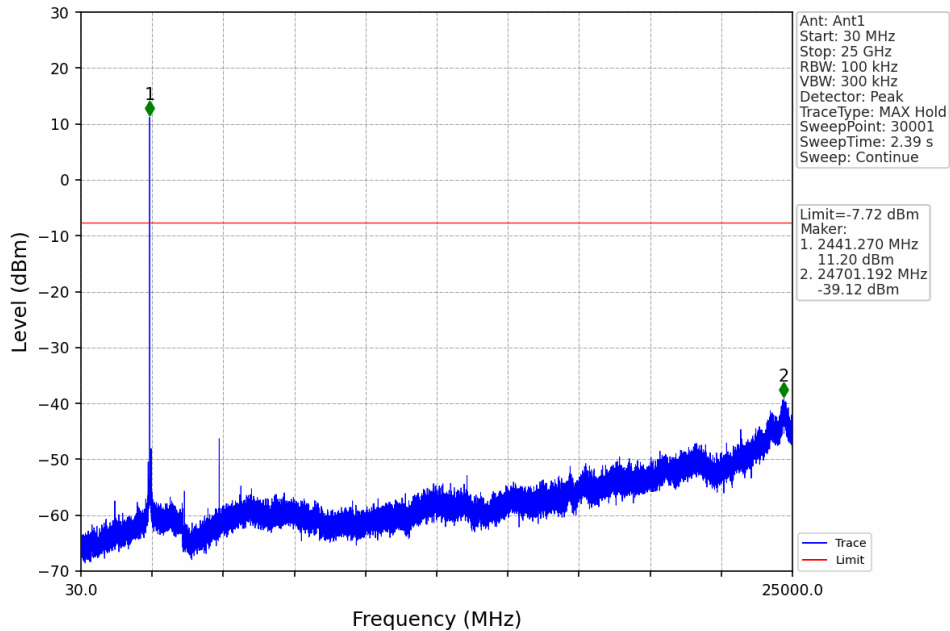
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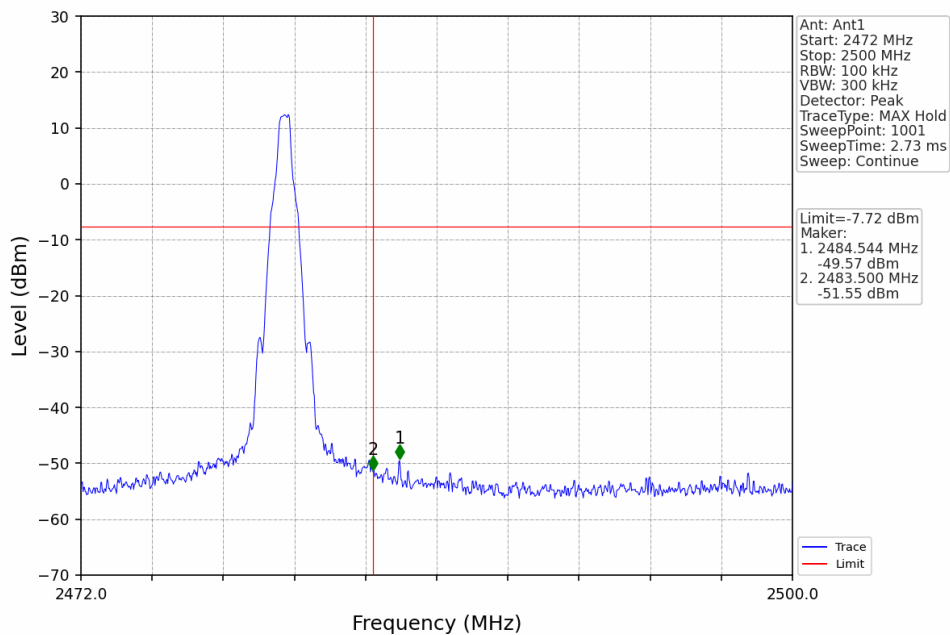
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GFSK_DH5_MCH_2441MHz_Ant1_NTNV



GFSK_DH5_HCH_2480MHz_Ant1_NTNV



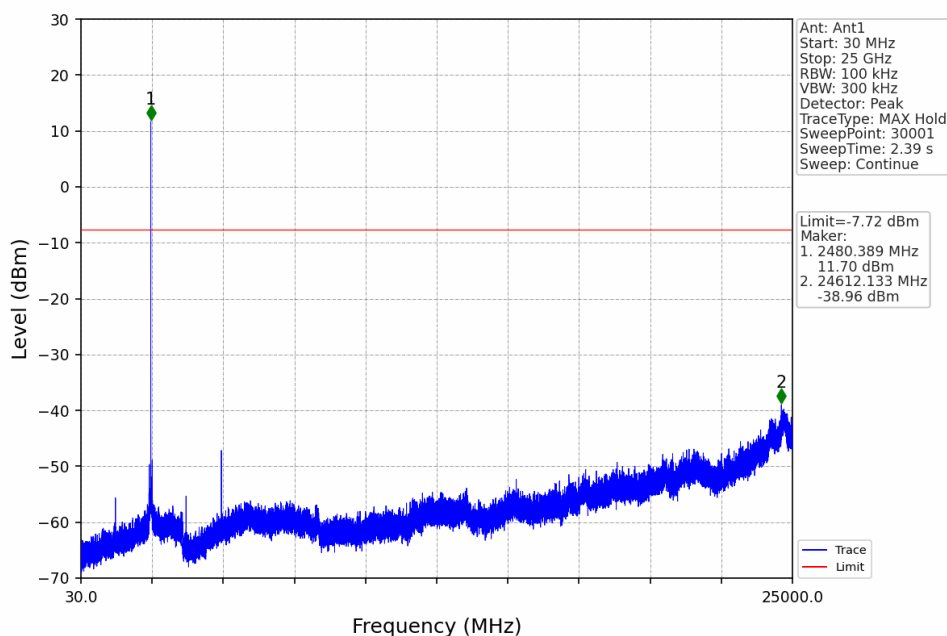
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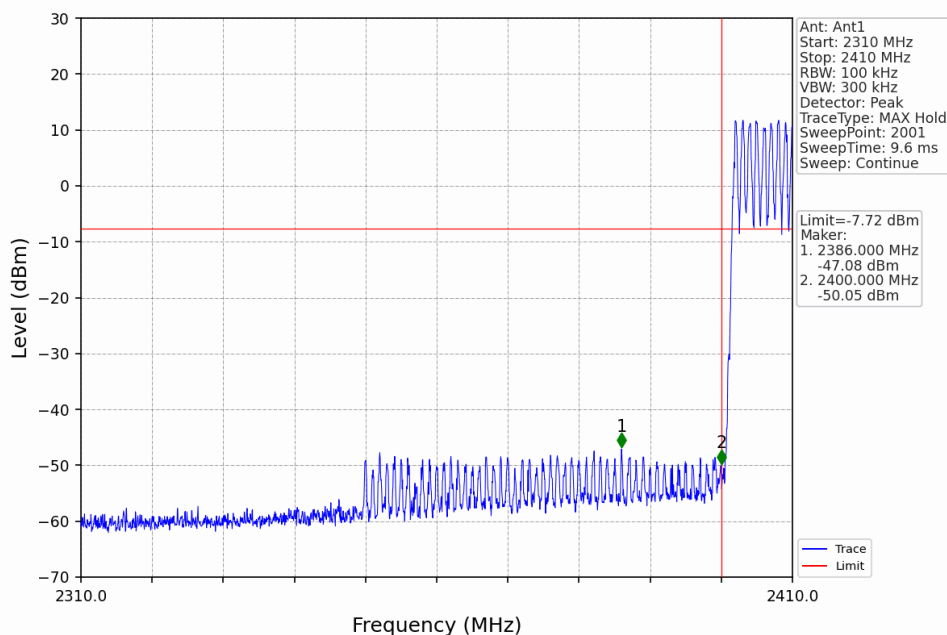
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GFSK_DH5_HCH_2480MHz_Ant1_NTNV



GFSK_DH5_HOPP_Ant1_NTNV



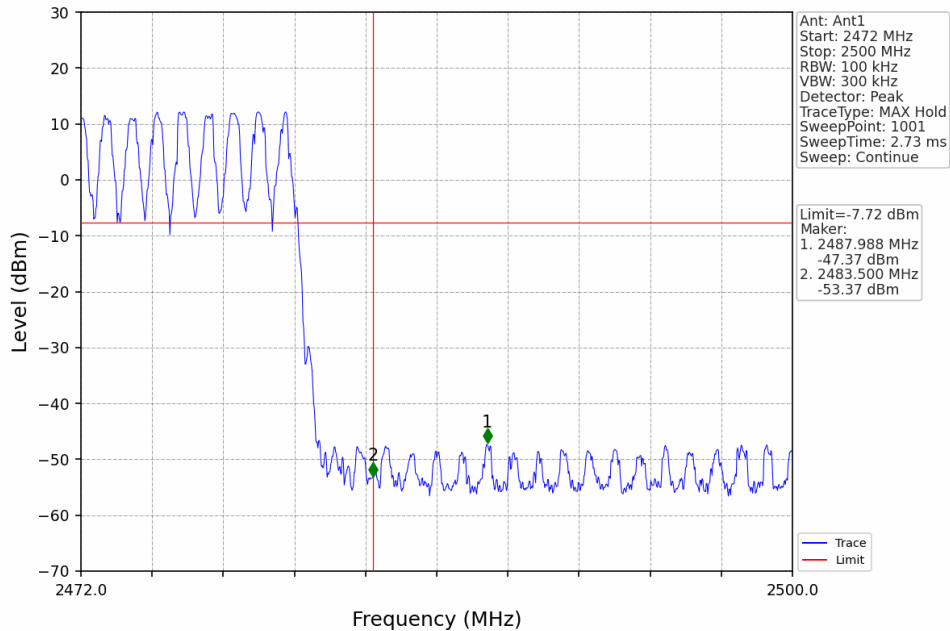
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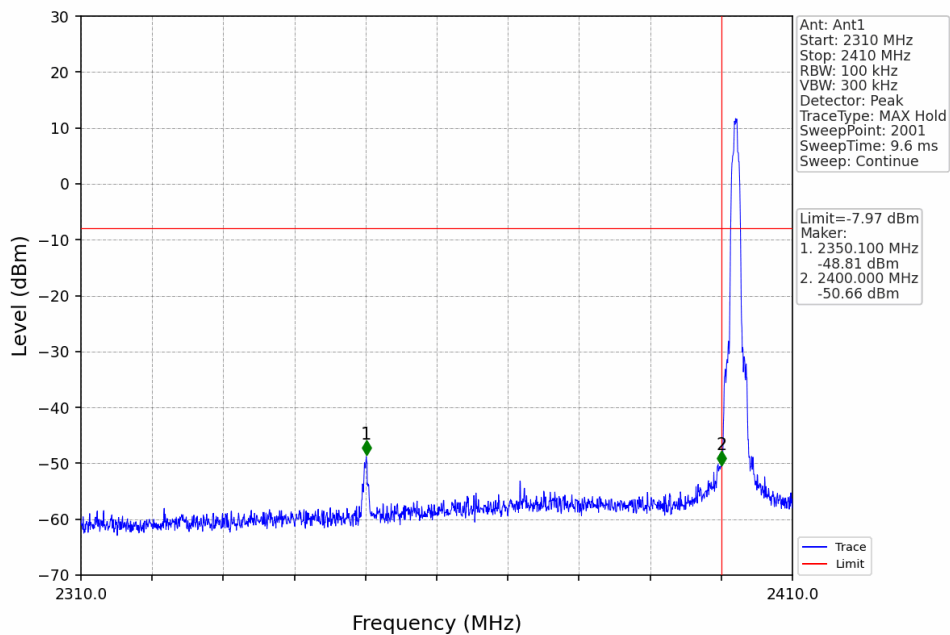
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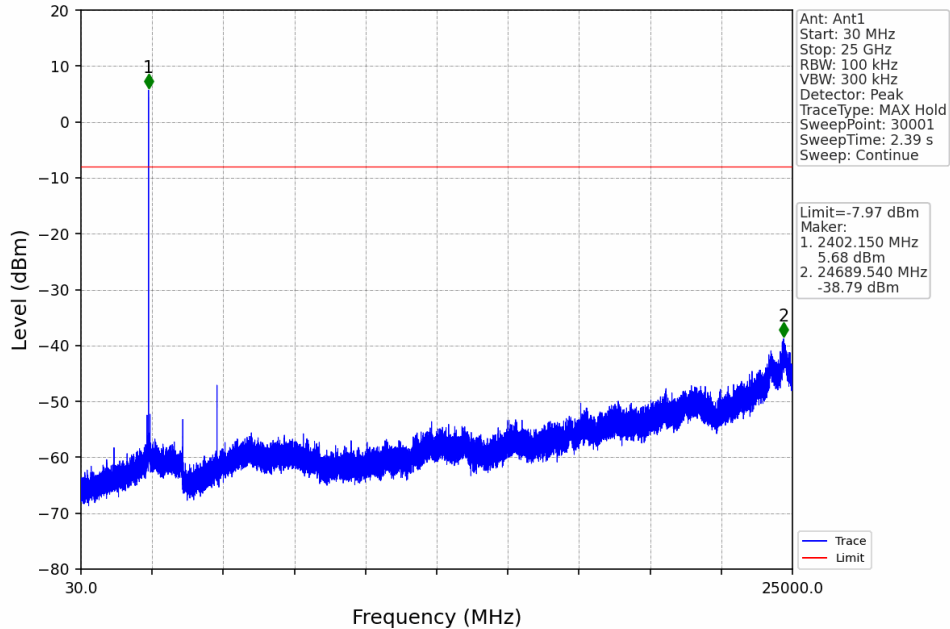
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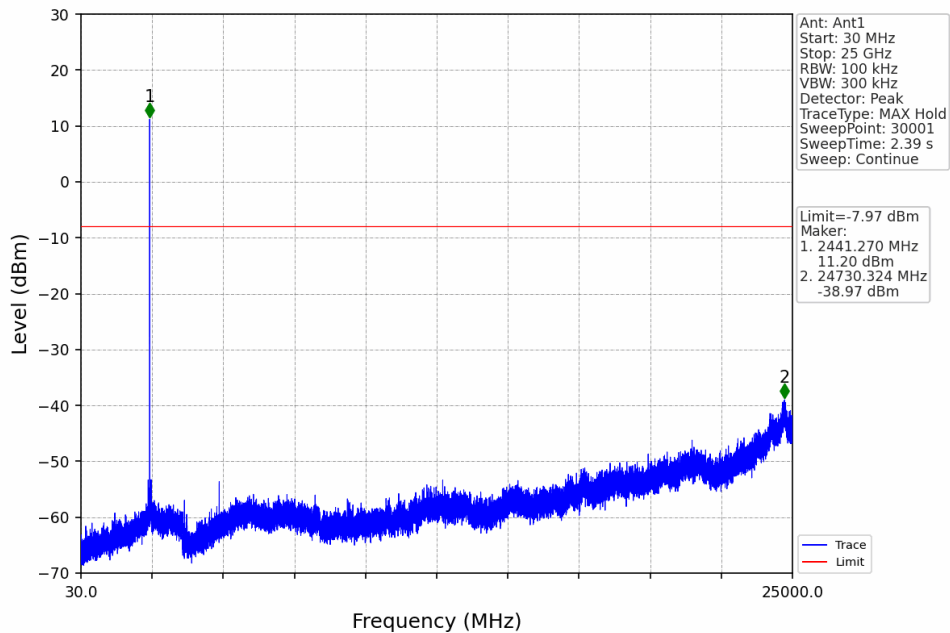
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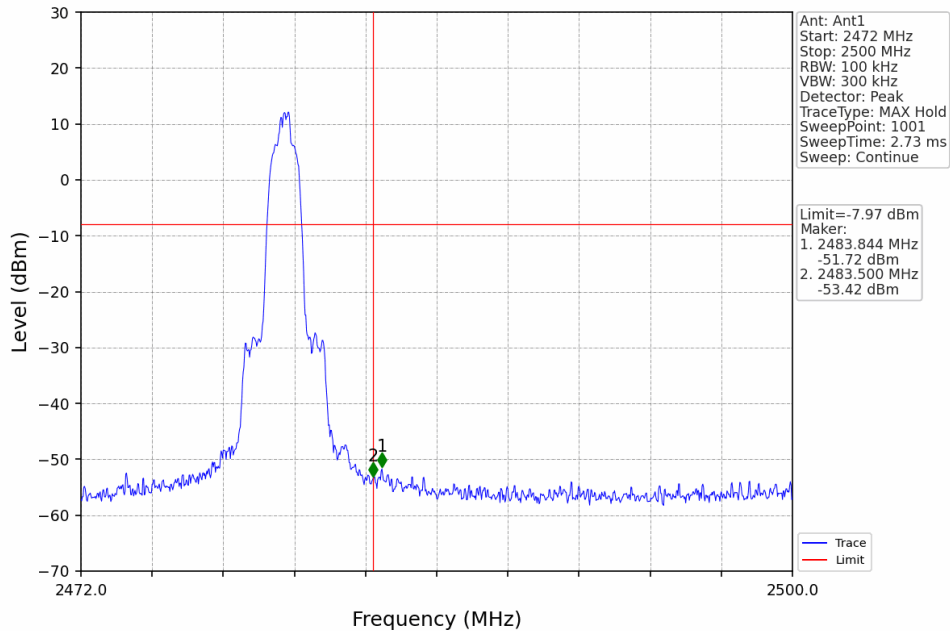
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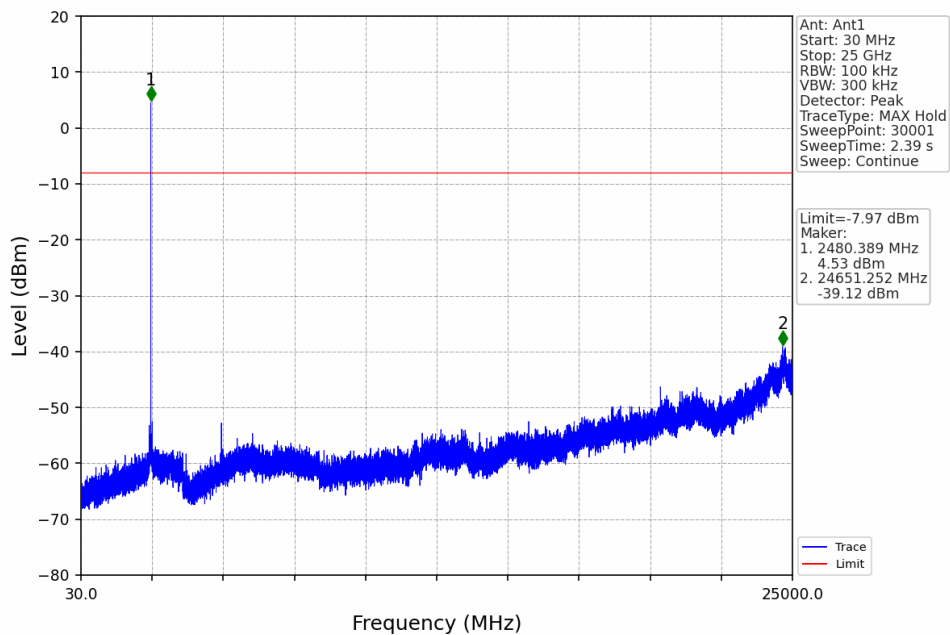
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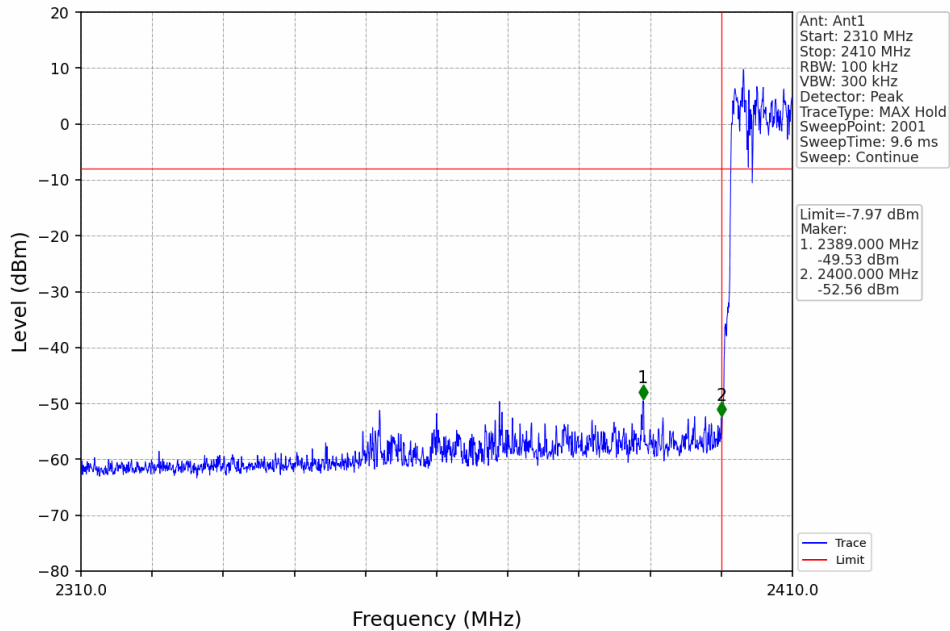
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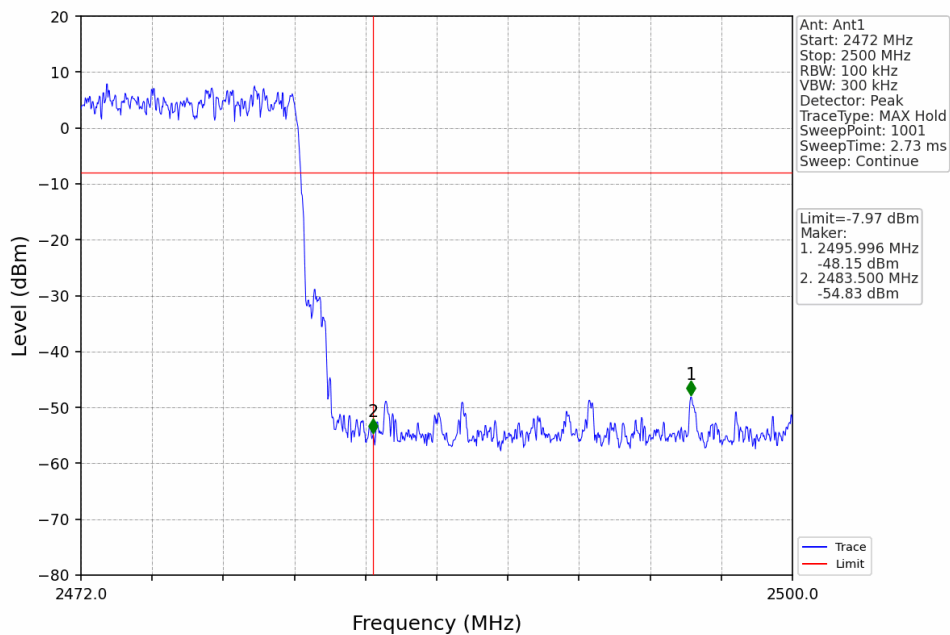
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Pi/4DQPSK_2DH5_HOPP_Ant1_NTNV



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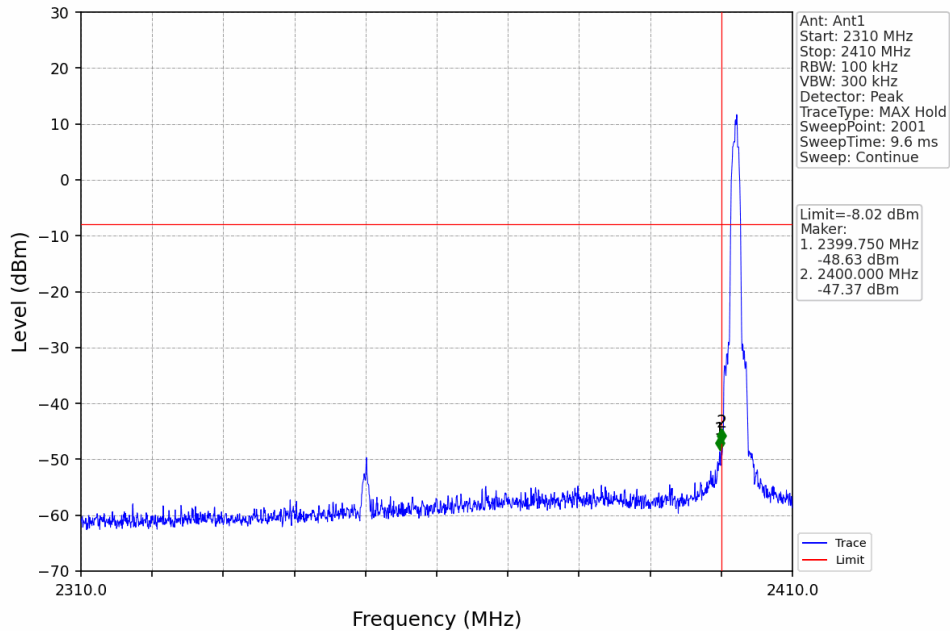
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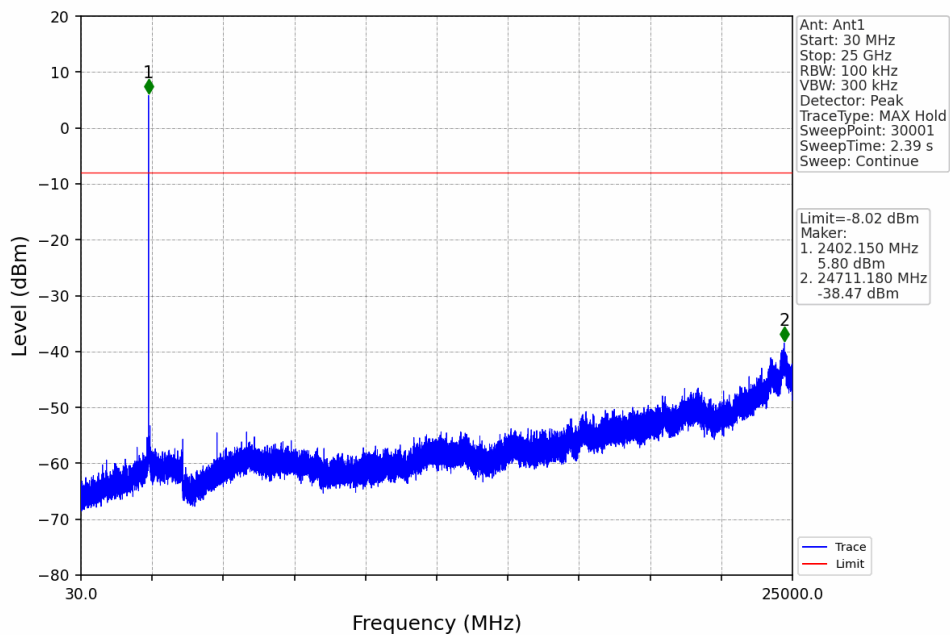
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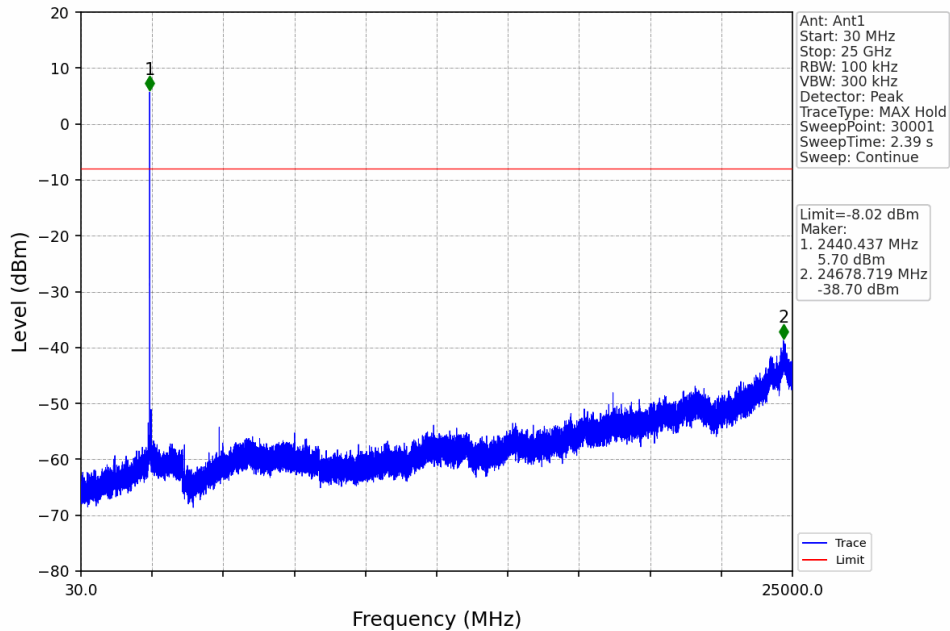
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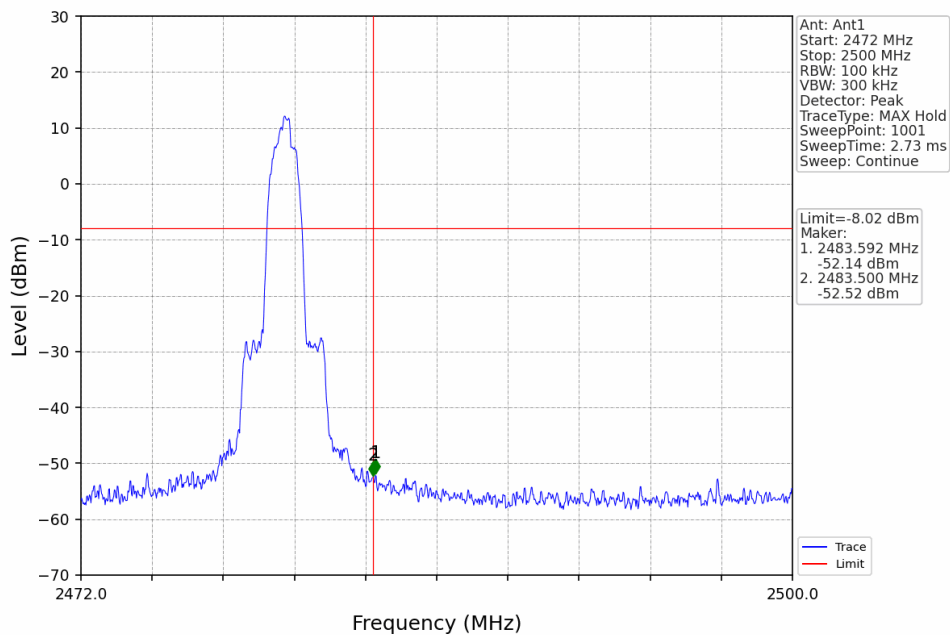
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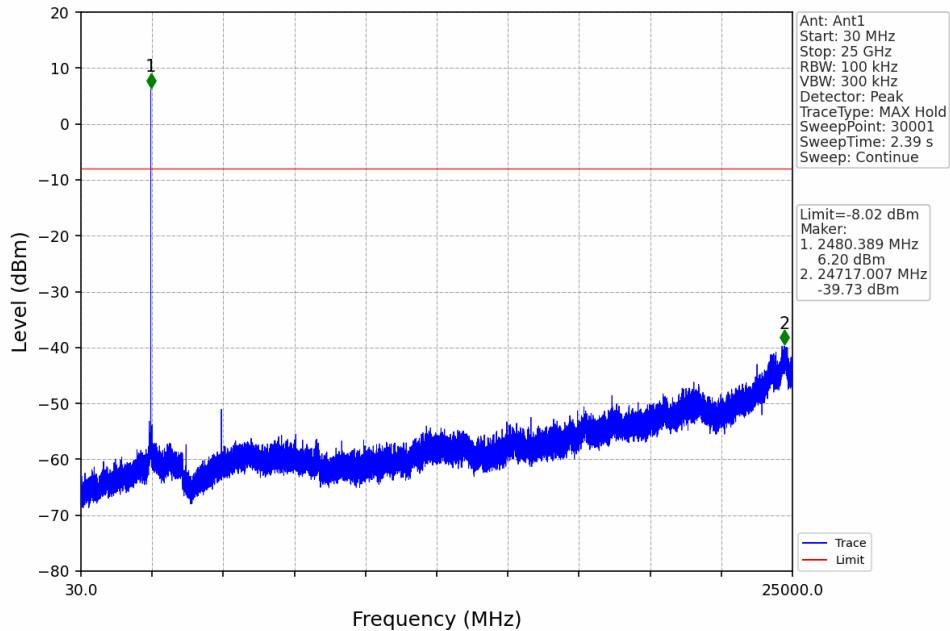
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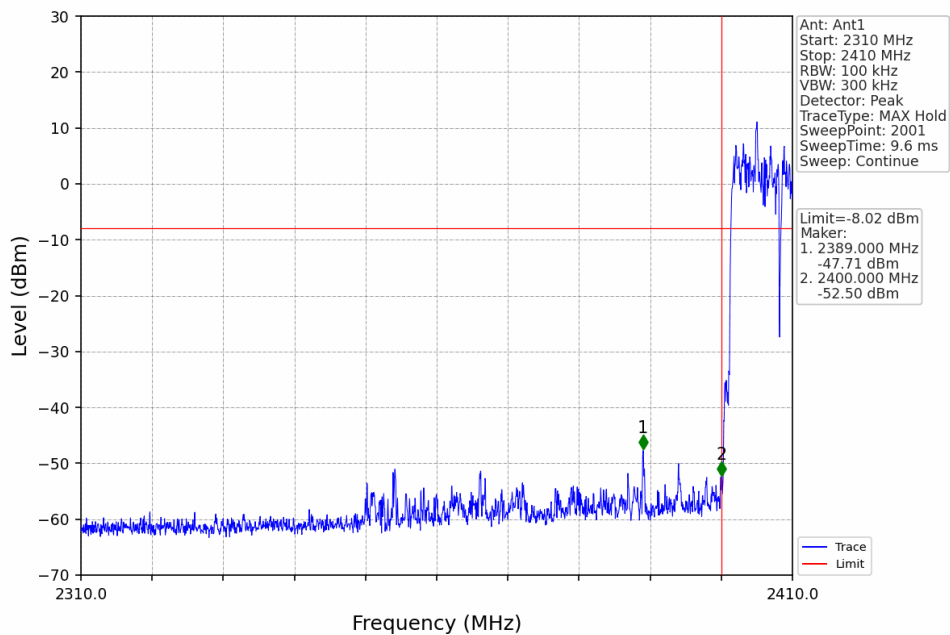
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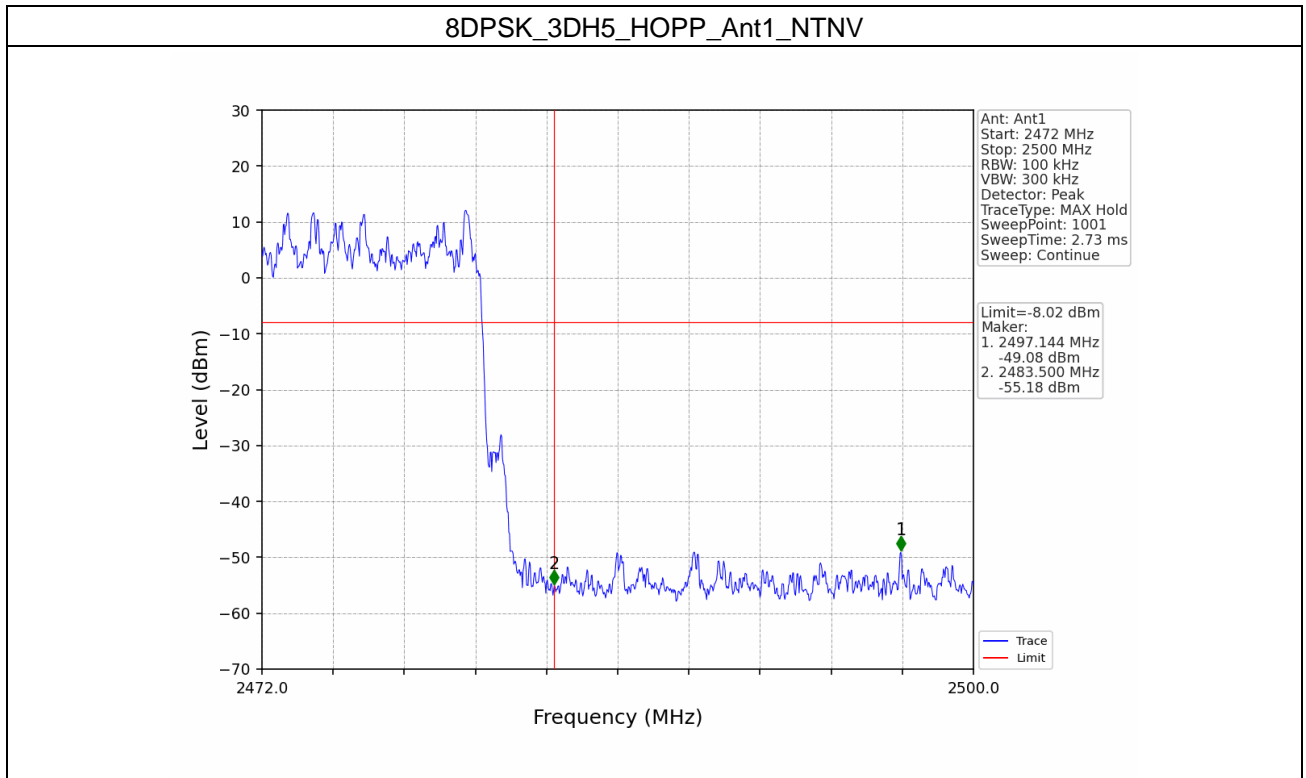


8DPSK_3DH5_HCH_2480MHz_Ant1_NTNV



8DPSK_3DH5_HOPP_Ant1_NTNV





- End of the Report -