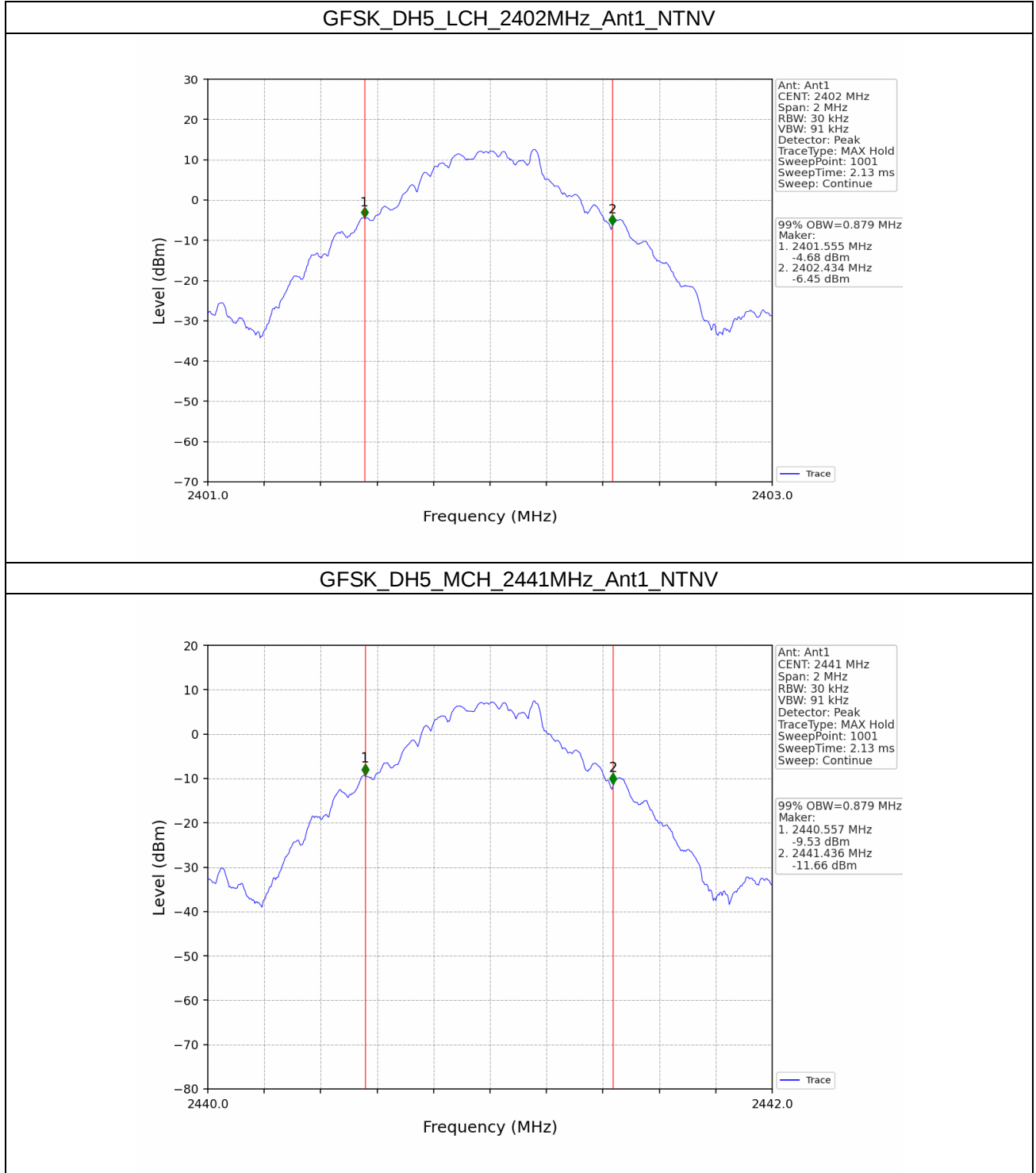
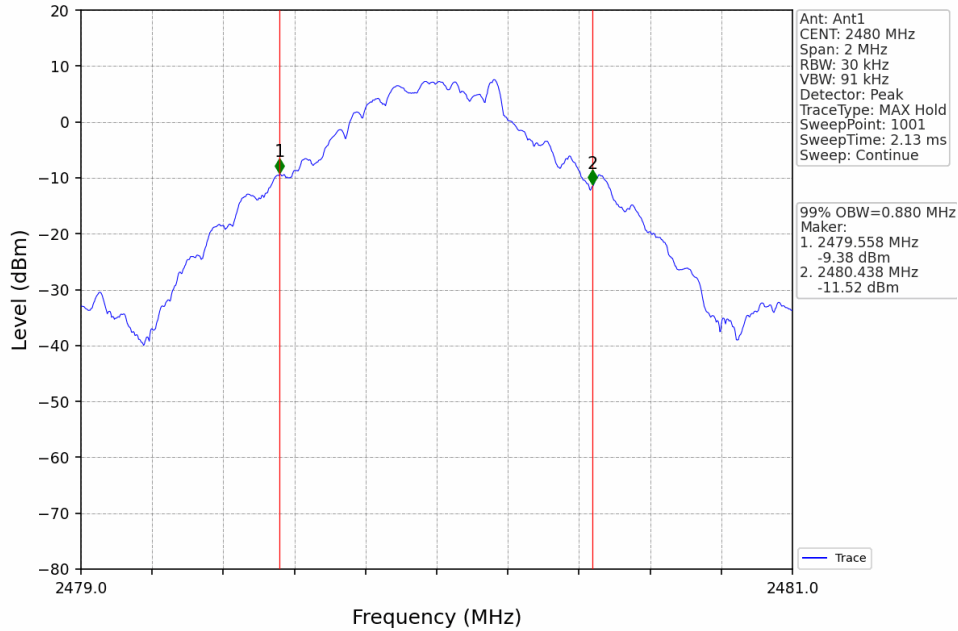


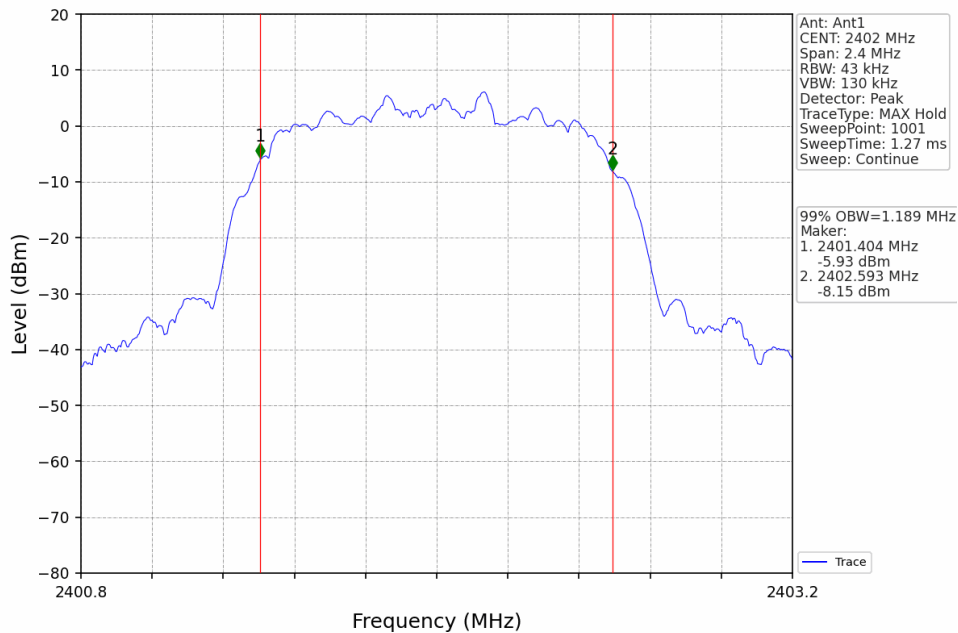
1.1.2 Test Graph



GFSK_DH5_HCH_2480MHz_Ant1_NTNV



Pi/4DQPSK_2DH5_LCH_2402MHz_Ant1_NTNV



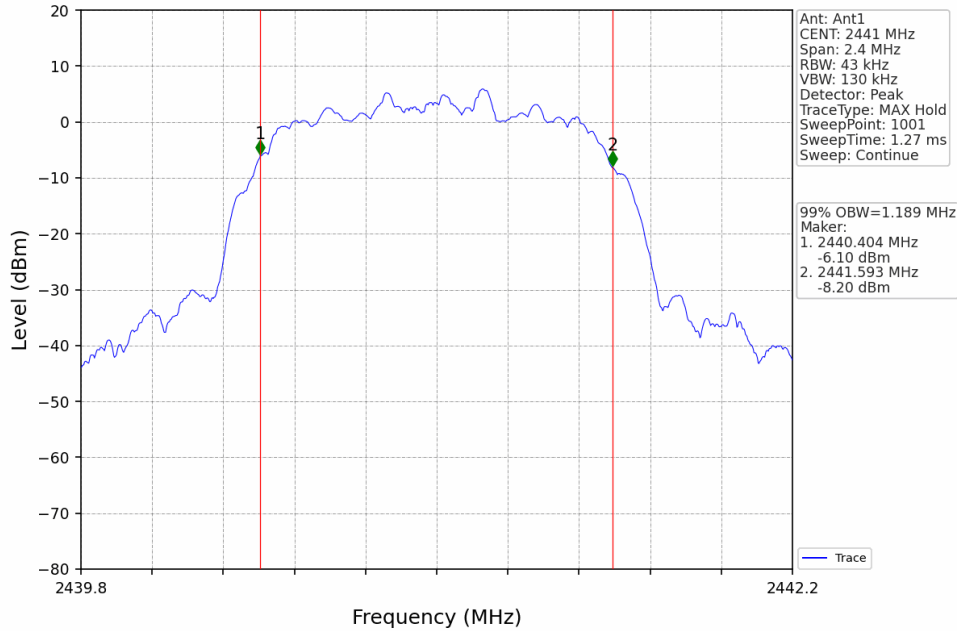
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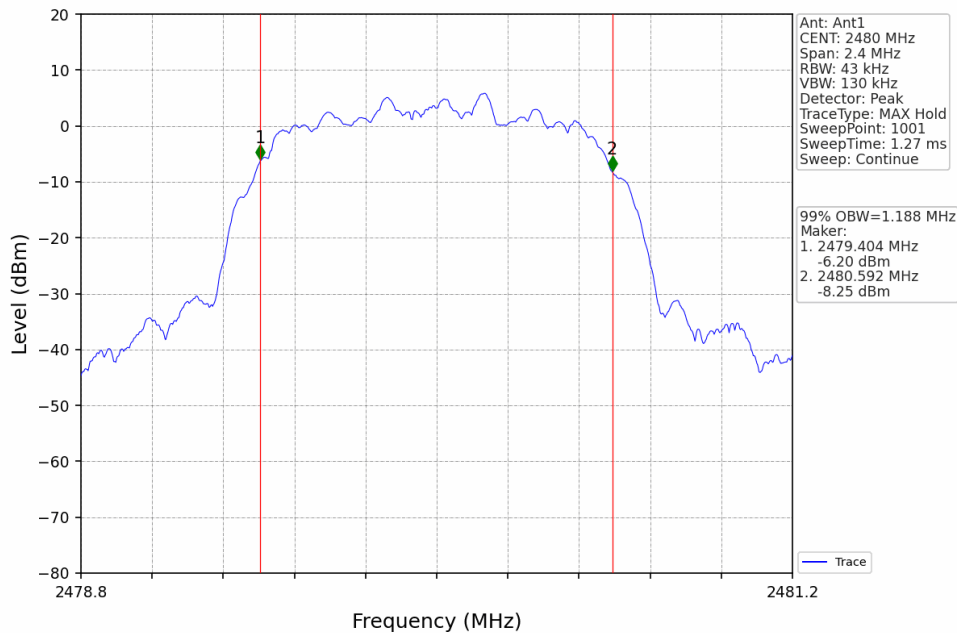
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Pi/4DQPSK_2DH5_MCH_2441MHz_Ant1_NTNV



Pi/4DQPSK_2DH5_HCH_2480MHz_Ant1_NTNV



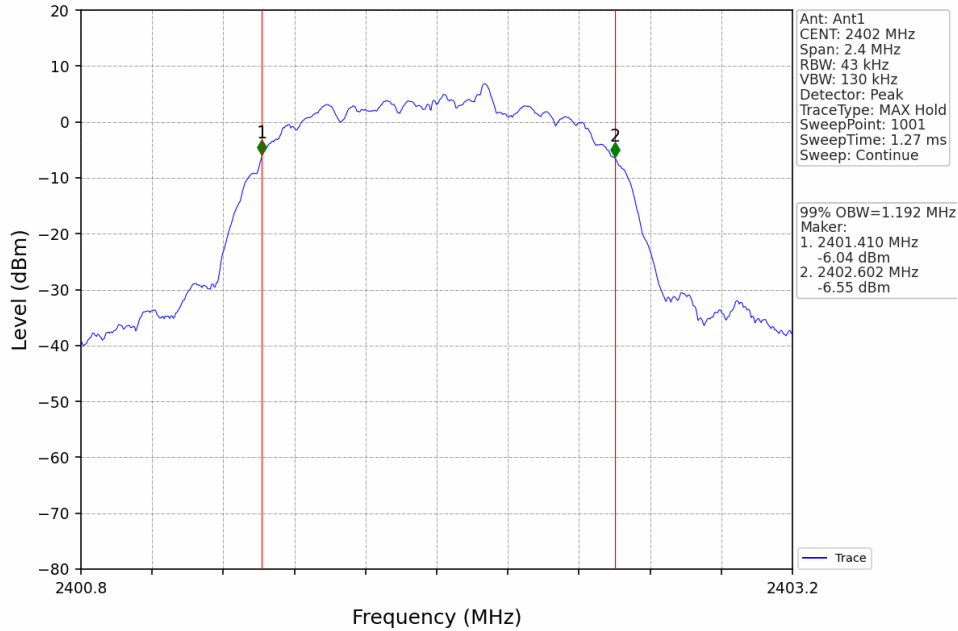
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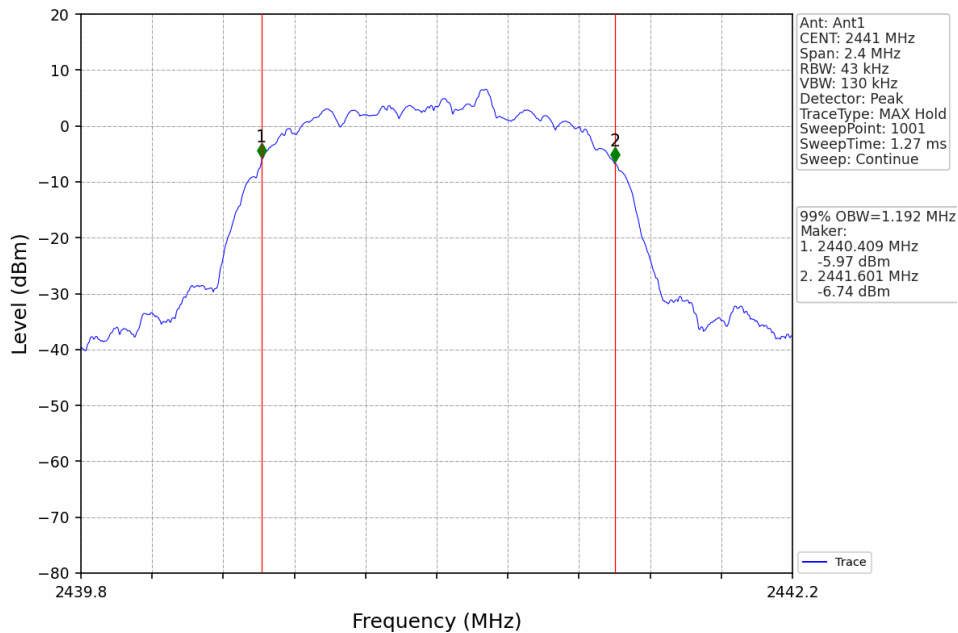
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8DPSK_3DH5_LCH_2402MHz_Ant1_NTNV



8DPSK_3DH5_MCH_2441MHz_Ant1_NTNV

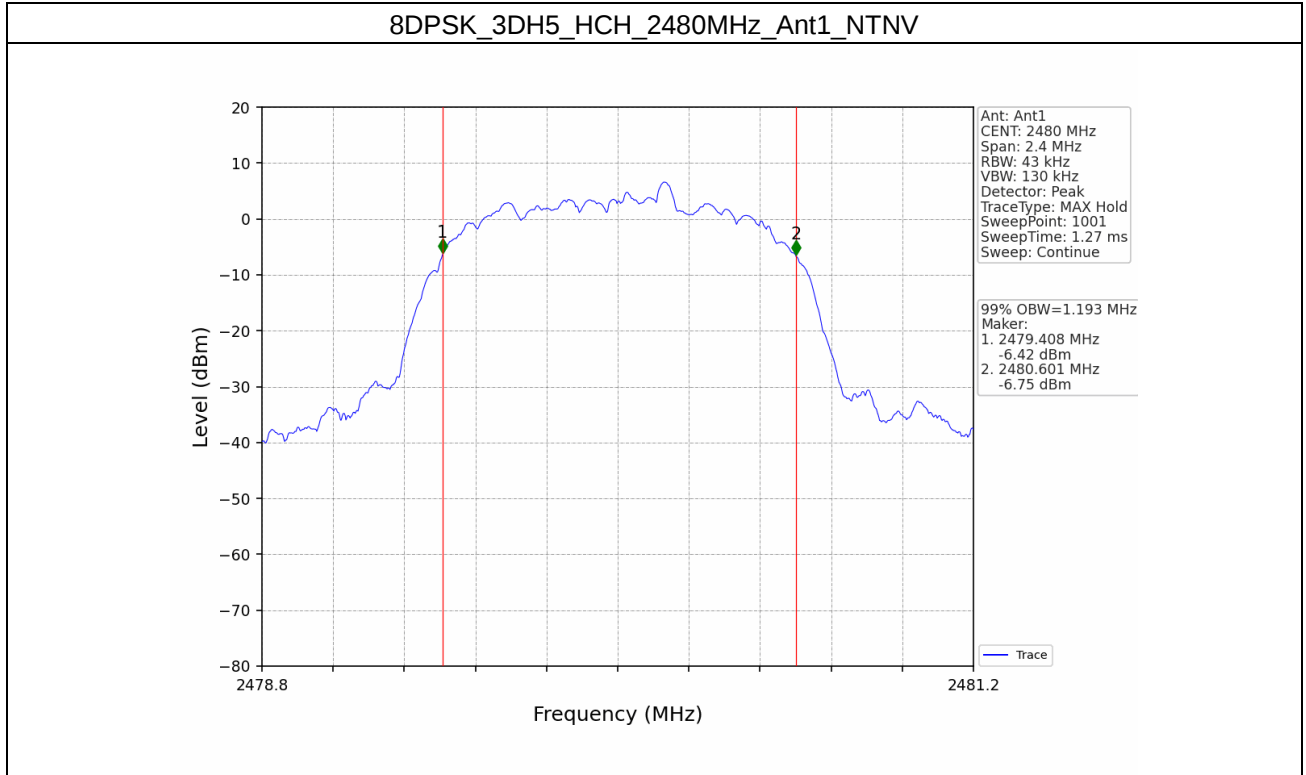


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SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch

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

Report No.: SZCR230600194502

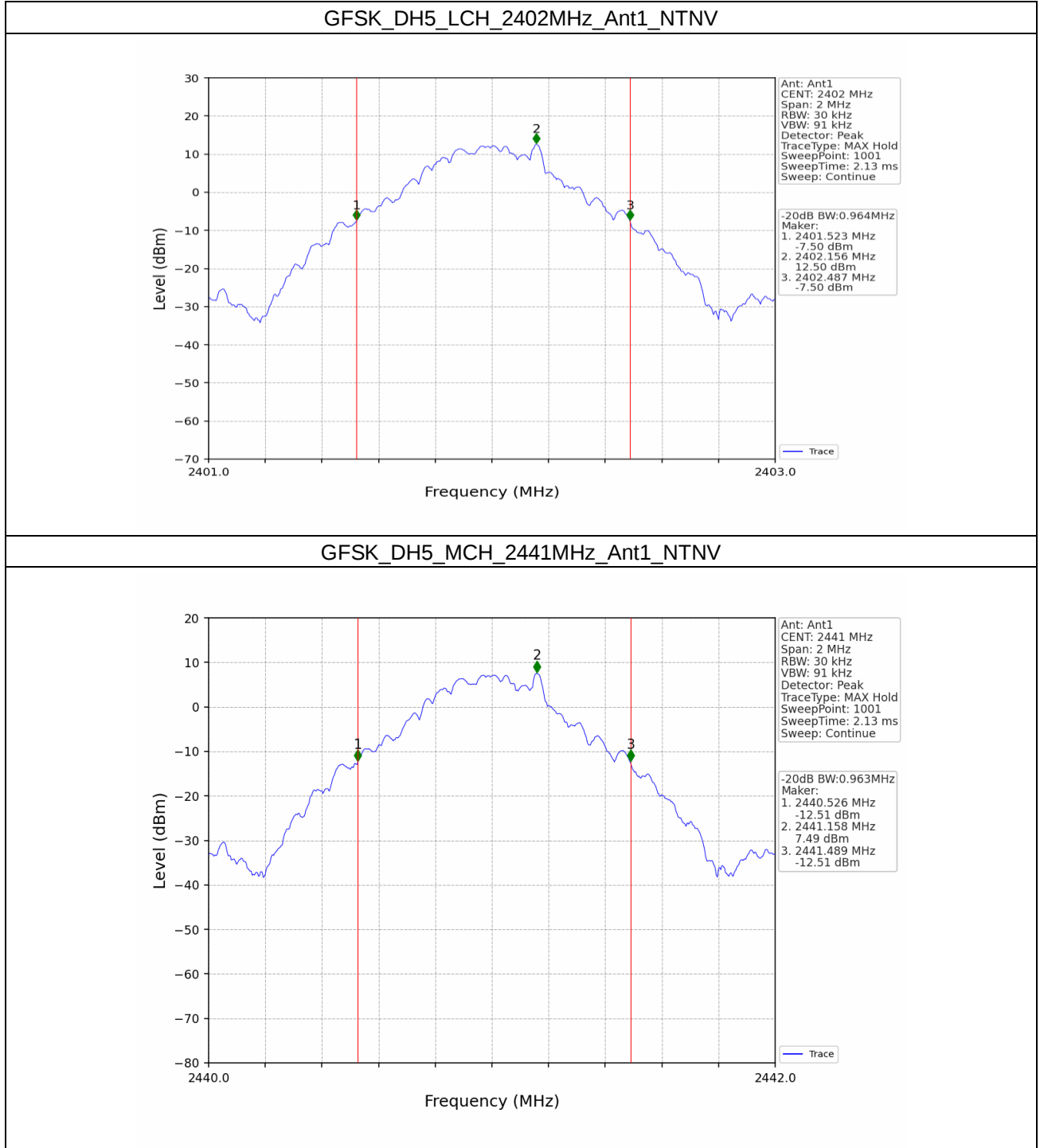
Page: 114 of 153

1.2 20dB BW

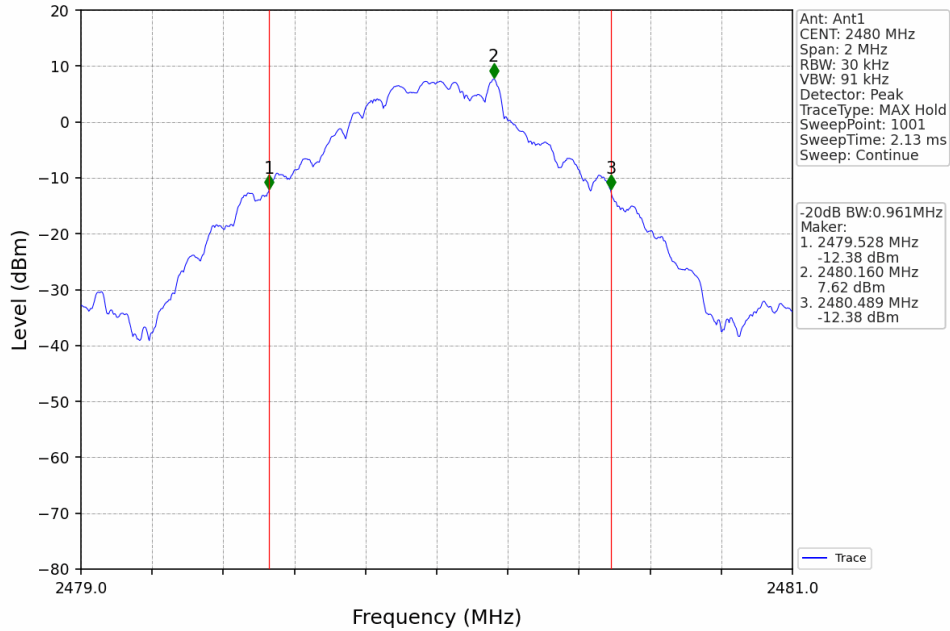
1.2.1 Test Result

Mode	TX Type	Frequency (MHz)	Packet Type	ANT	20dB Bandwidth (MHz)	Verdict
					Result	
GFSK	SISO	2402	DH5	1	0.964	Pass
		2441	DH5	1	0.963	Pass
		2480	DH5	1	0.961	Pass
Pi/4DQPSK	SISO	2402	2DH5	1	1.345	Pass
		2441	2DH5	1	1.346	Pass
		2480	2DH5	1	1.352	Pass
8DPSK	SISO	2402	3DH5	1	1.324	Pass
		2441	3DH5	1	1.325	Pass
		2480	3DH5	1	1.323	Pass

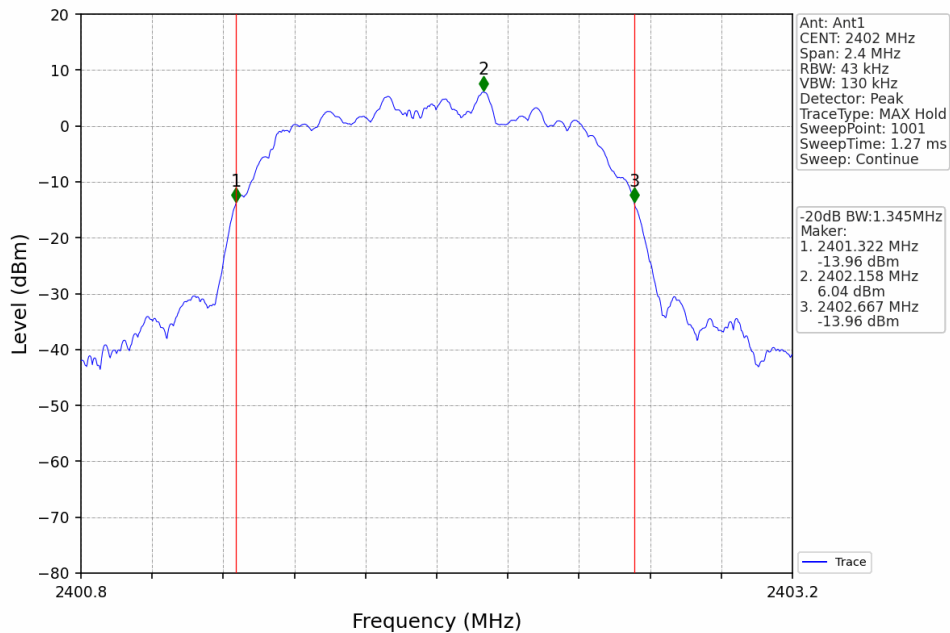
1.2.2 Test Graph



GFSK_DH5_HCH_2480MHz_Ant1_NTNV



Pi/4DQPSK_2DH5_LCH_2402MHz_Ant1_NTNV



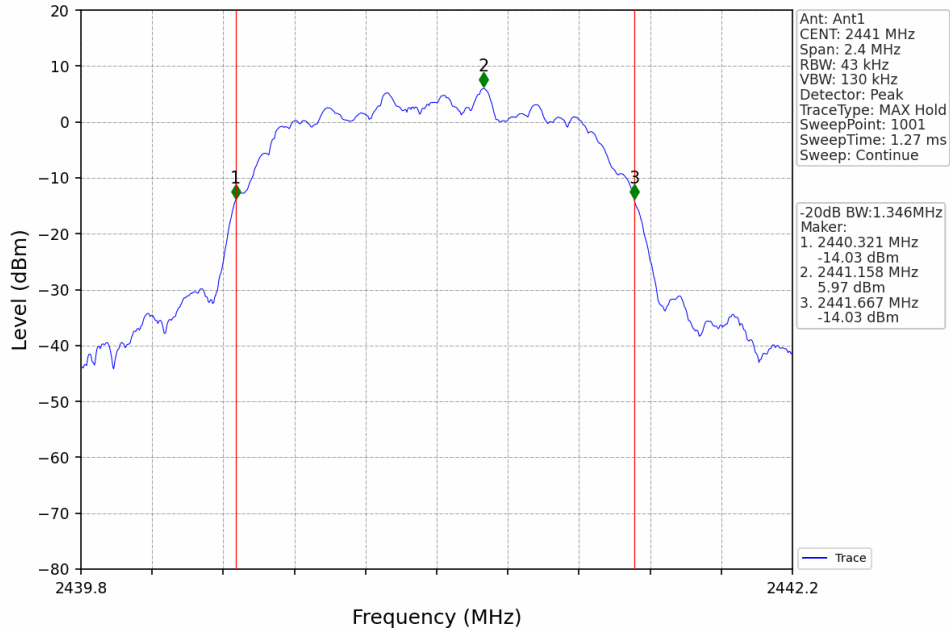
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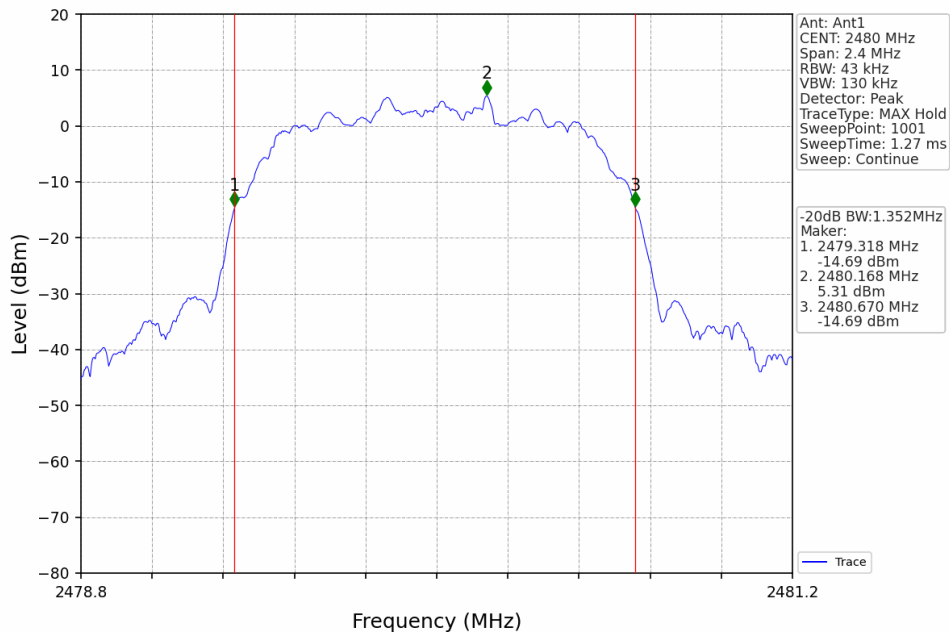
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Pi/4DQPSK_2DH5_MCH_2441MHz_Ant1_NTNV



Pi/4DQPSK_2DH5_HCH_2480MHz_Ant1_NTNV



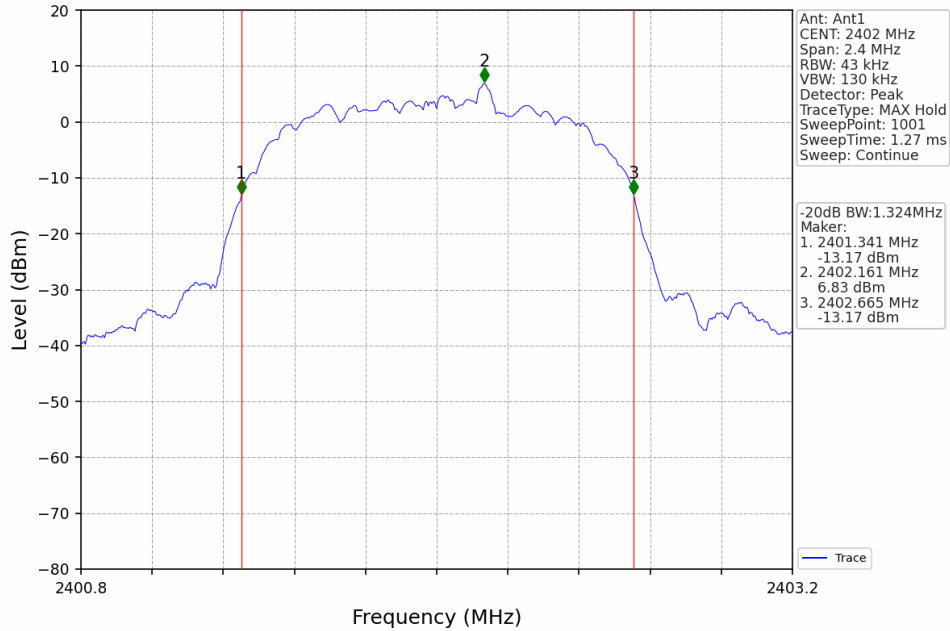
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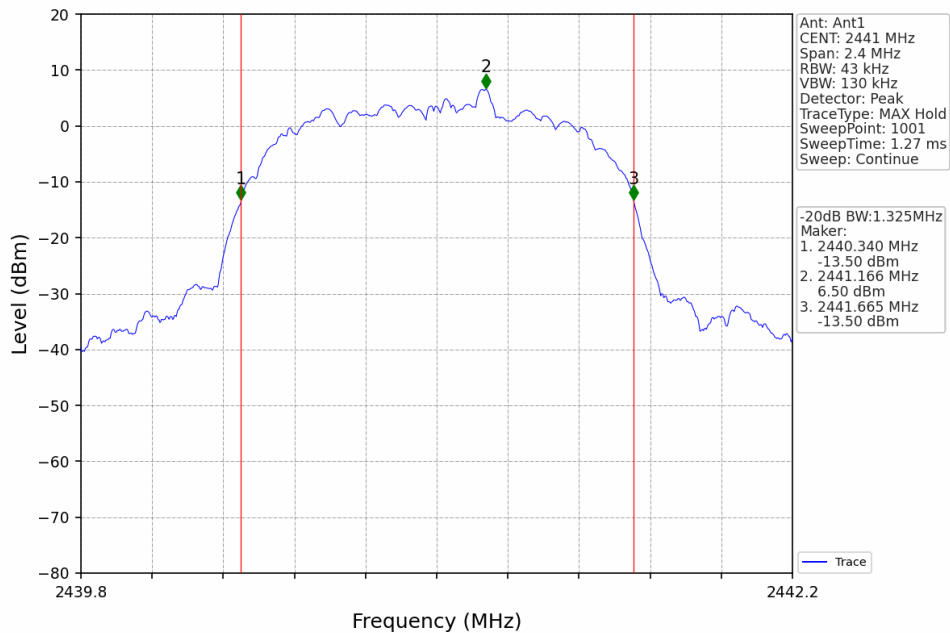
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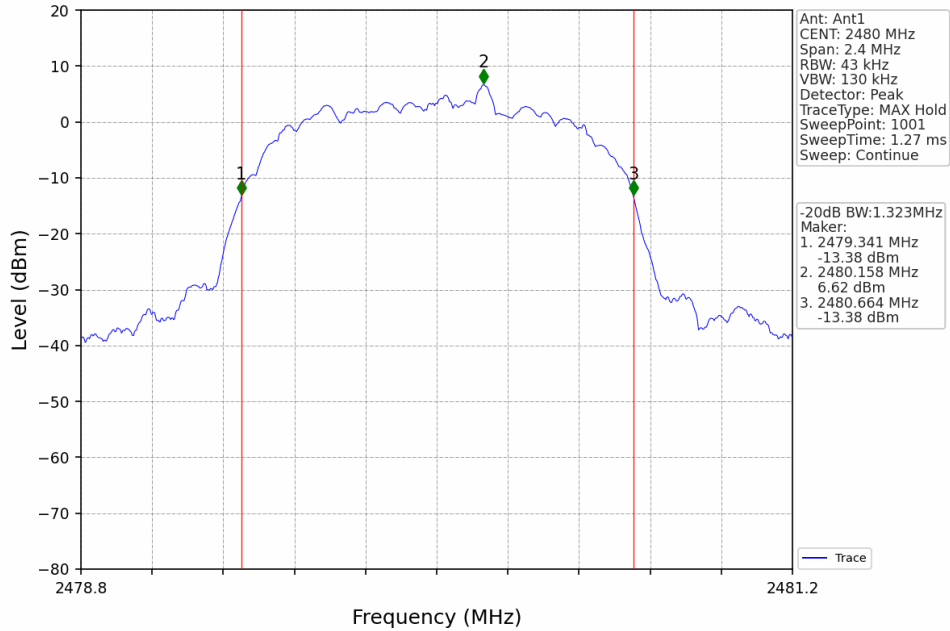
8DPSK_3DH5_LCH_2402MHz_Ant1_NTNV



8DPSK_3DH5_MCH_2441MHz_Ant1_NTNV



8DPSK_3DH5_HCH_2480MHz_Ant1_NTNV



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	14.68	<=30	Pass
		2441	DH5	14.60	<=30	Pass
		2480	DH5	14.56	<=30	Pass
Pi/4DQPSK	SISO	2402	2DH5	13.81	<=20.97	Pass
		2441	2DH5	13.76	<=20.97	Pass
		2480	2DH5	13.70	<=20.97	Pass
8DPSK	SISO	2402	3DH5	14.41	<=20.97	Pass
		2441	3DH5	14.33	<=20.97	Pass
		2480	3DH5	14.29	<=20.97	Pass

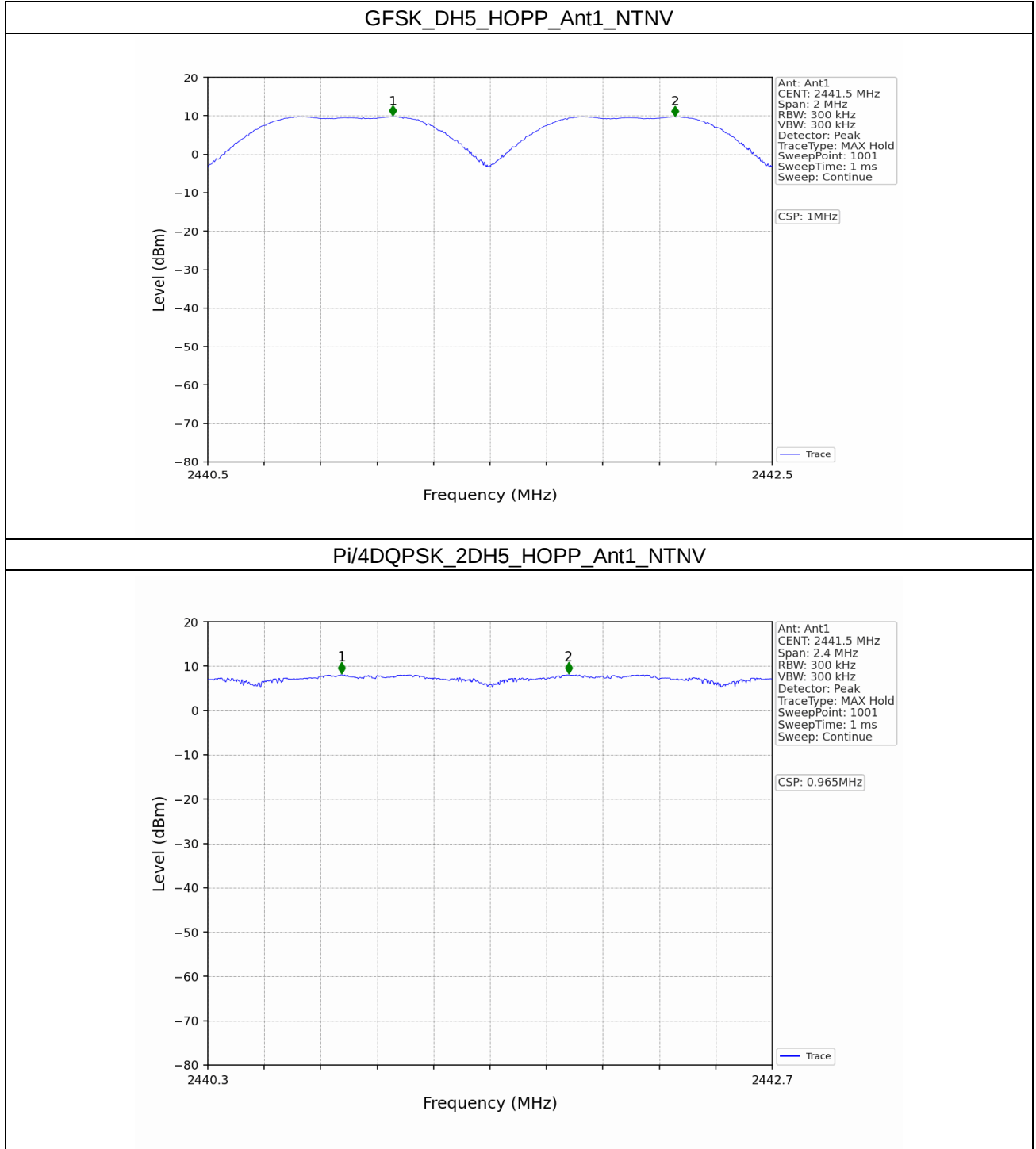
3. Carrier Frequency Separation

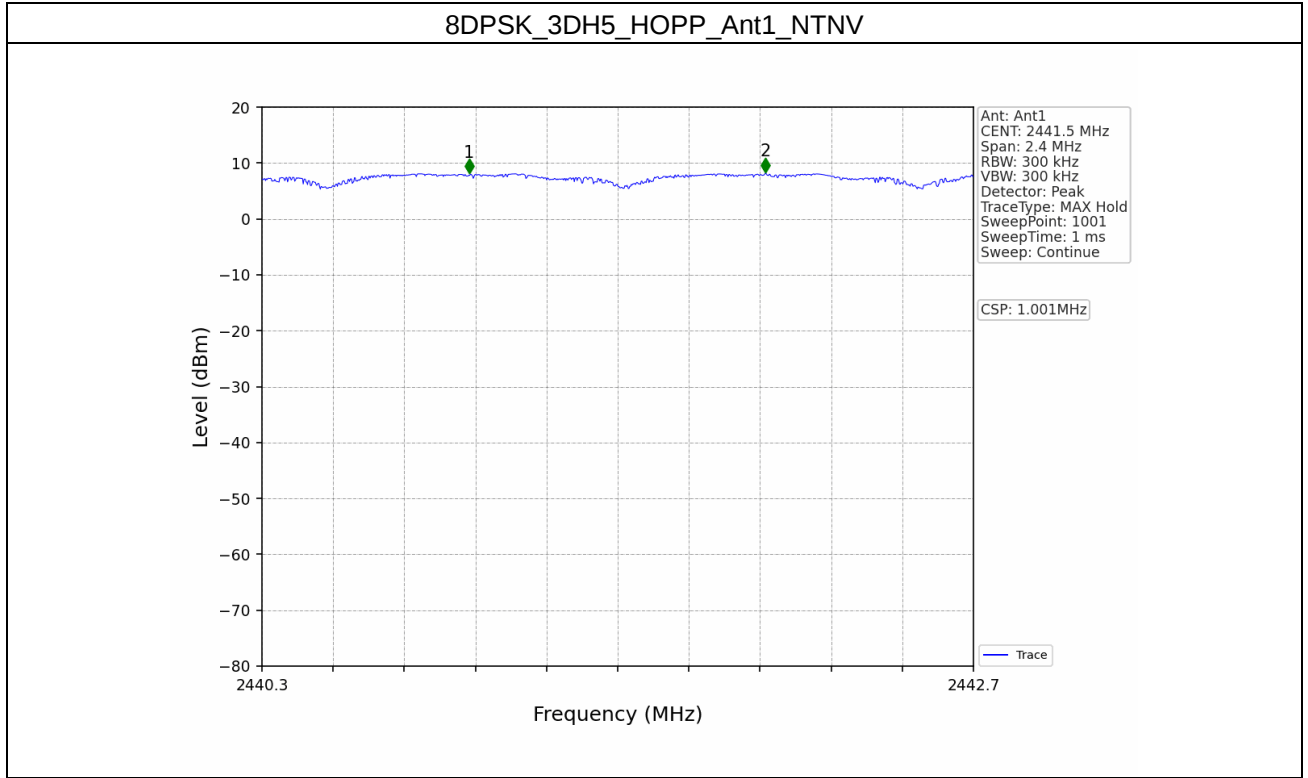
3.1 Ant1

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	1.000	0.964	>=0.964	Pass
Pi/4DQPSK	SISO	HOPP	2DH5	0.965	1.352	>=0.901	Pass
8DPSK	SISO	HOPP	3DH5	1.001	1.325	>=0.883	Pass

3.1.2 Test Graph





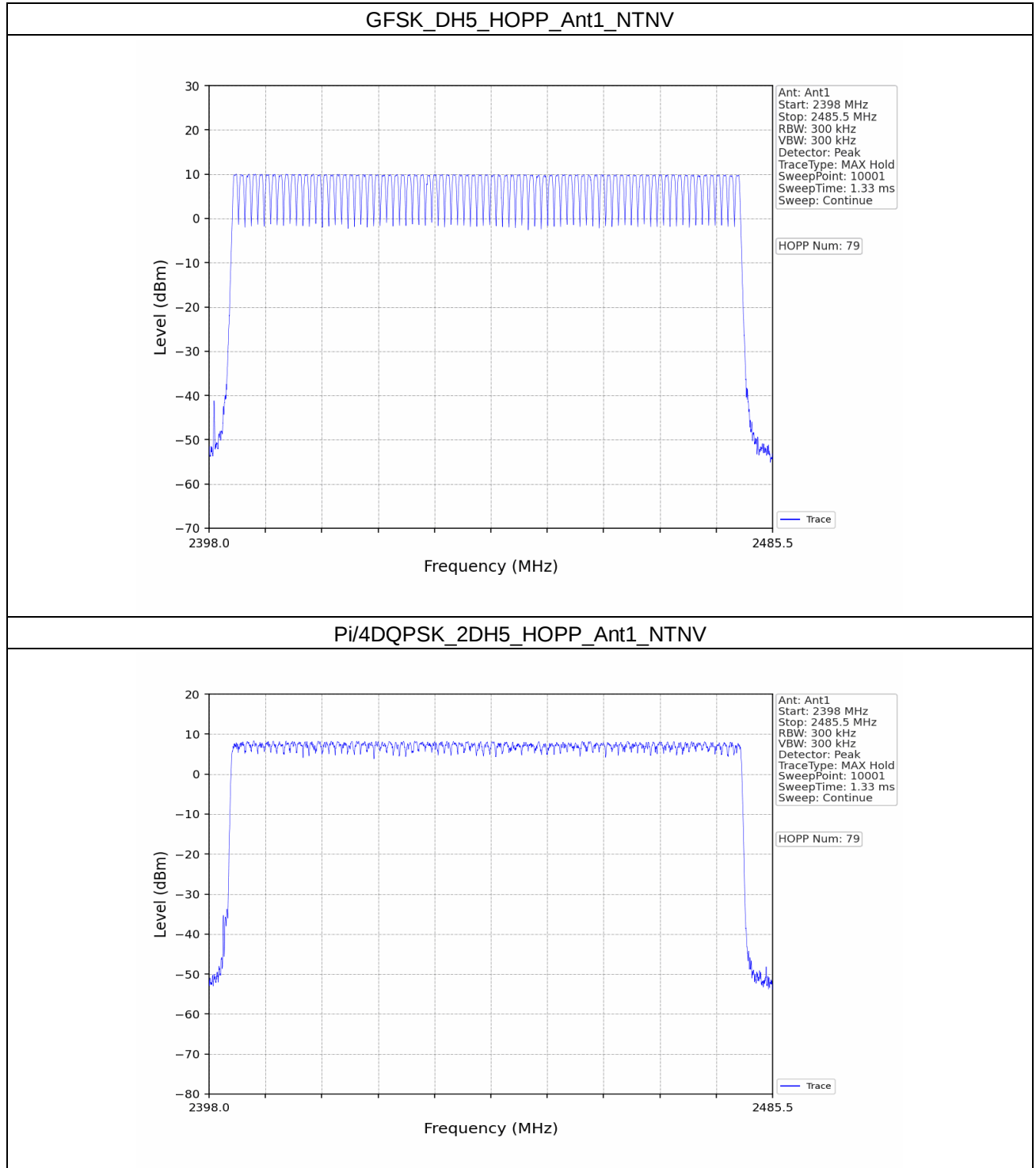
4. Number of Hopping Frequencies

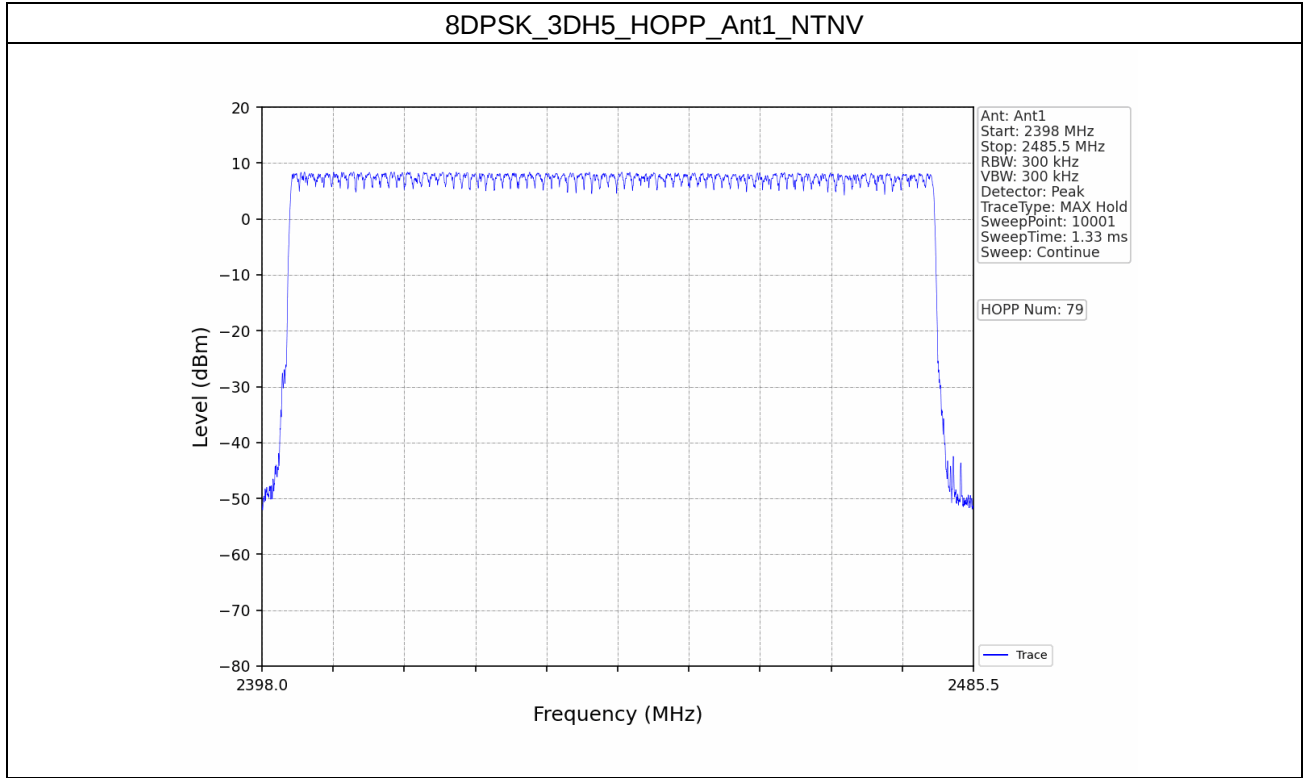
4.1 HoppNum

4.1.1 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

4.1.2 Test Graph





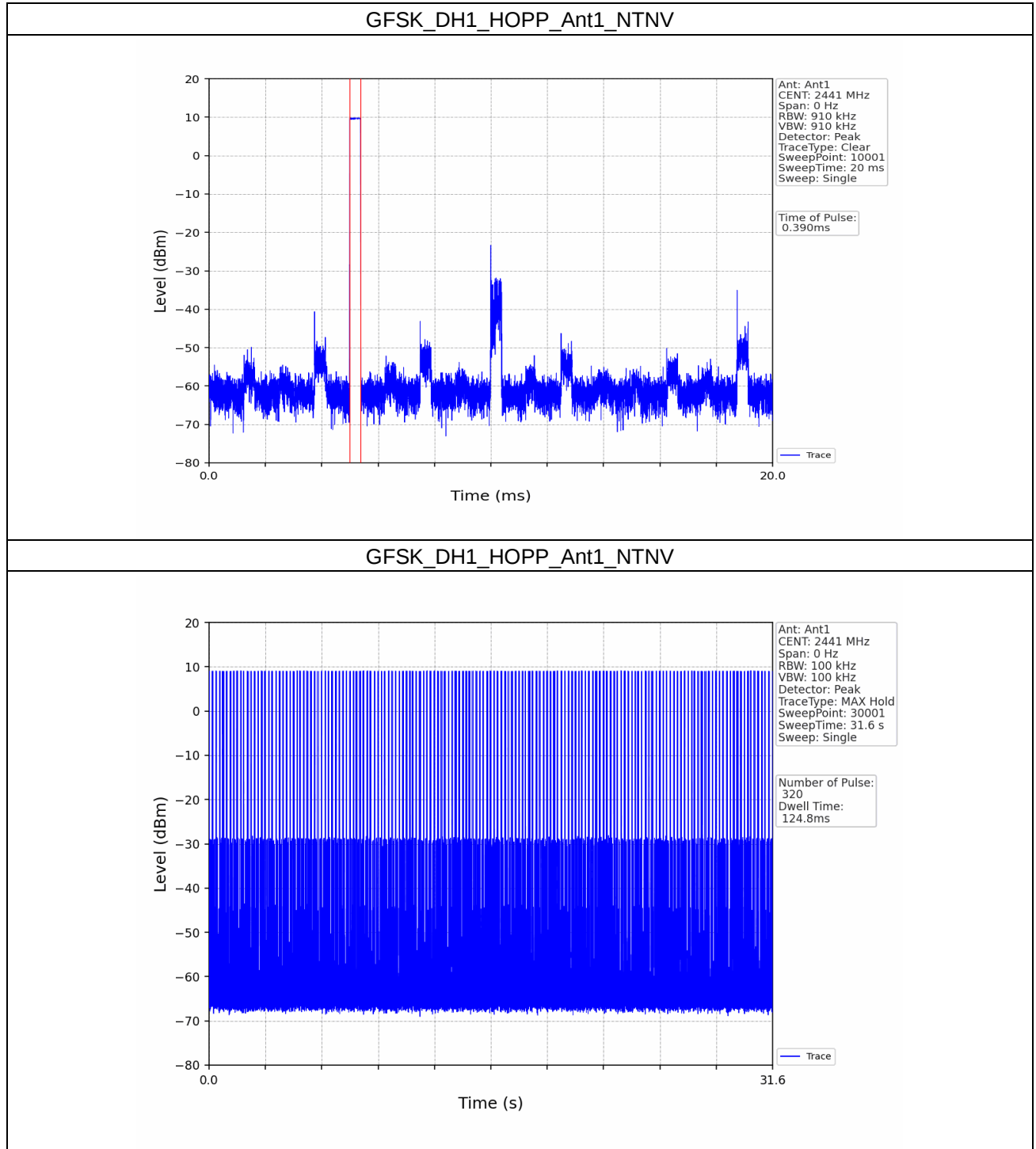
5. Time of Occupancy (Dwell Time)

5.1 Ant1

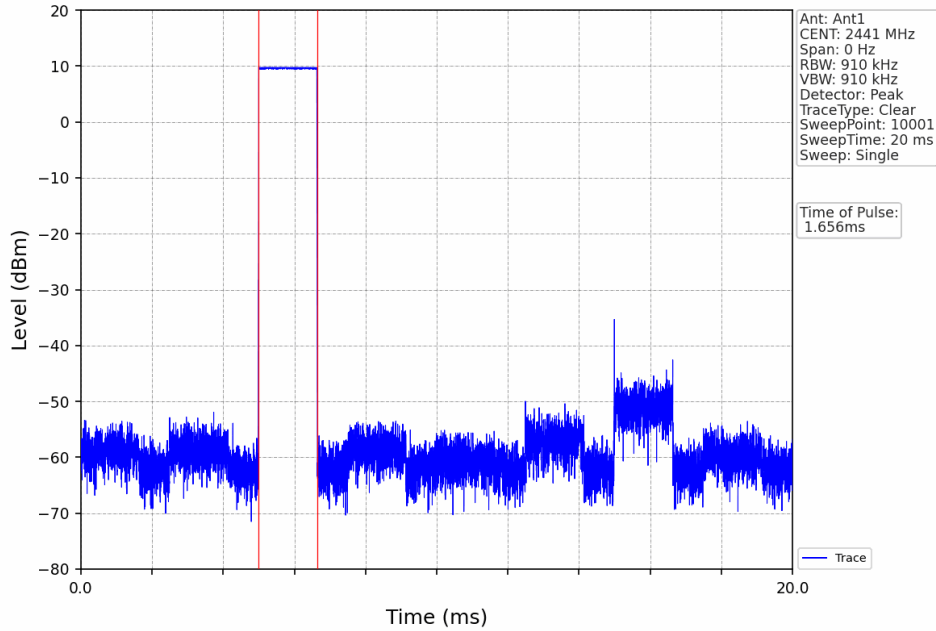
5.1.1 Test Result

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
GFSK	SISO	HOPP	DH1	0.390	31.600	320	124.800	<=400	Pass
			DH3	1.656	31.600	149	246.744	<=400	Pass
			DH5	2.906	31.600	103	299.318	<=400	Pass
Pi/4DQPSK	SISO	HOPP	2DH1	0.392	31.600	320	125.440	<=400	Pass
			2DH3	1.644	31.600	154	253.176	<=400	Pass
			2DH5	2.906	31.600	112	325.472	<=400	Pass
8DPSK	SISO	HOPP	3DH1	0.392	31.600	320	125.440	<=400	Pass
			3DH3	1.656	31.600	156	258.336	<=400	Pass
			3DH5	2.892	31.600	123	355.716	<=400	Pass

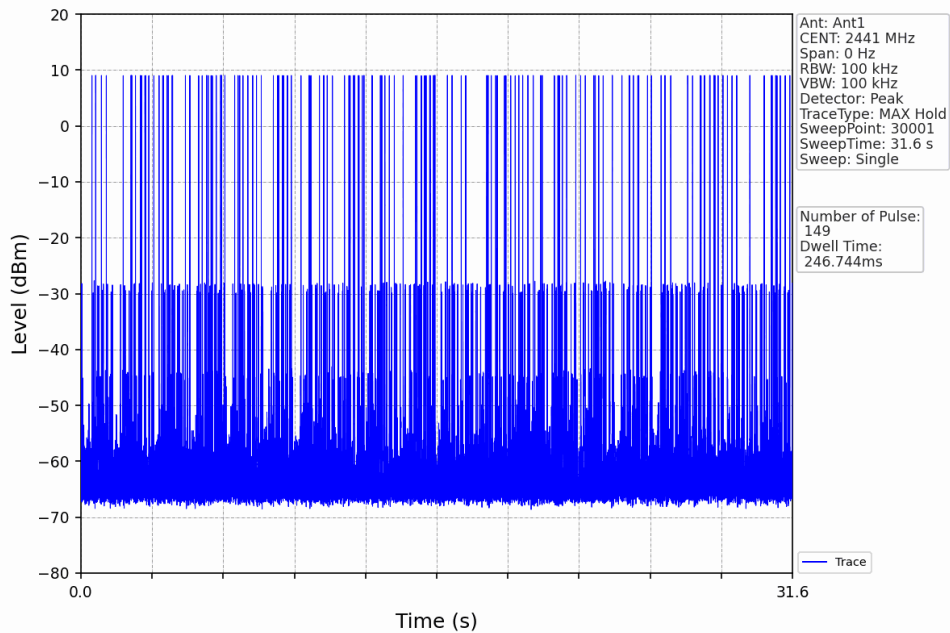
5.1.2 Test Graph



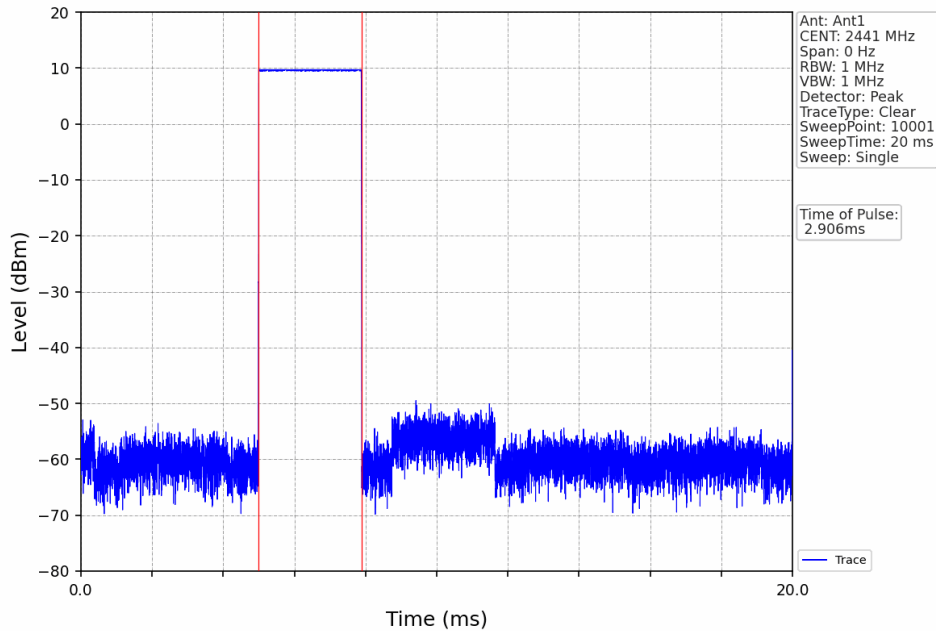
GFSK_DH3_HOPP_Ant1_NTNV



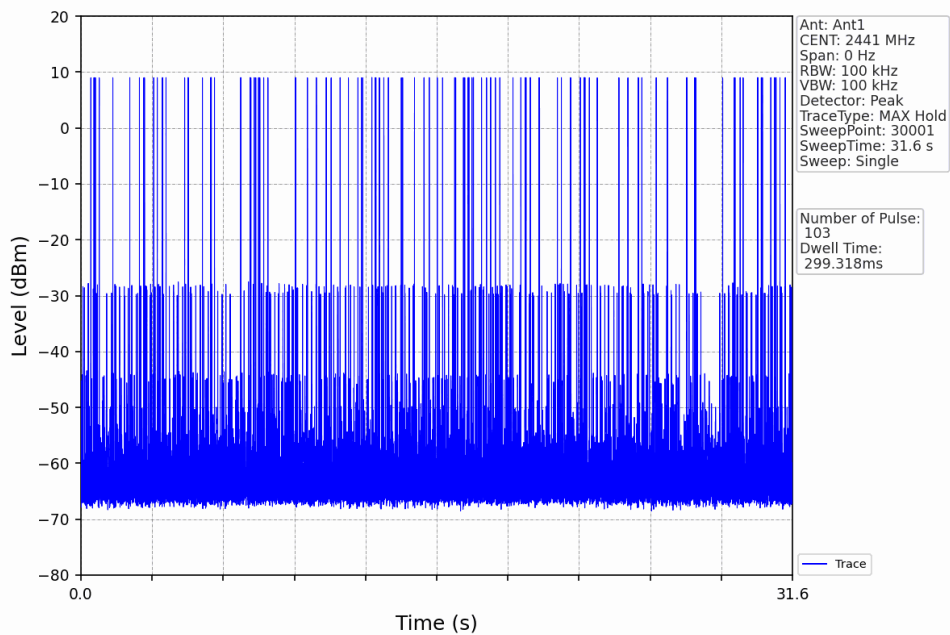
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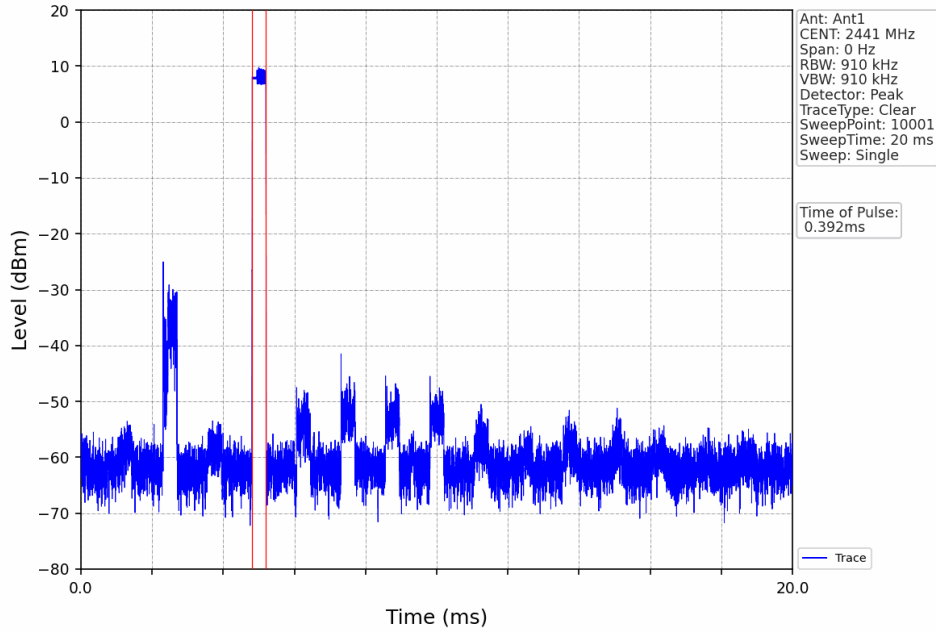
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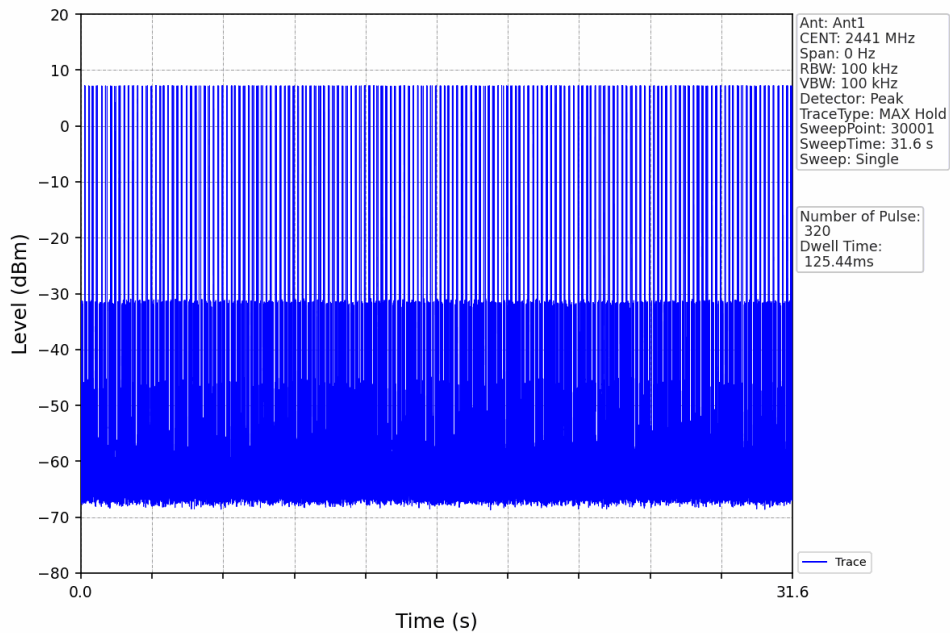
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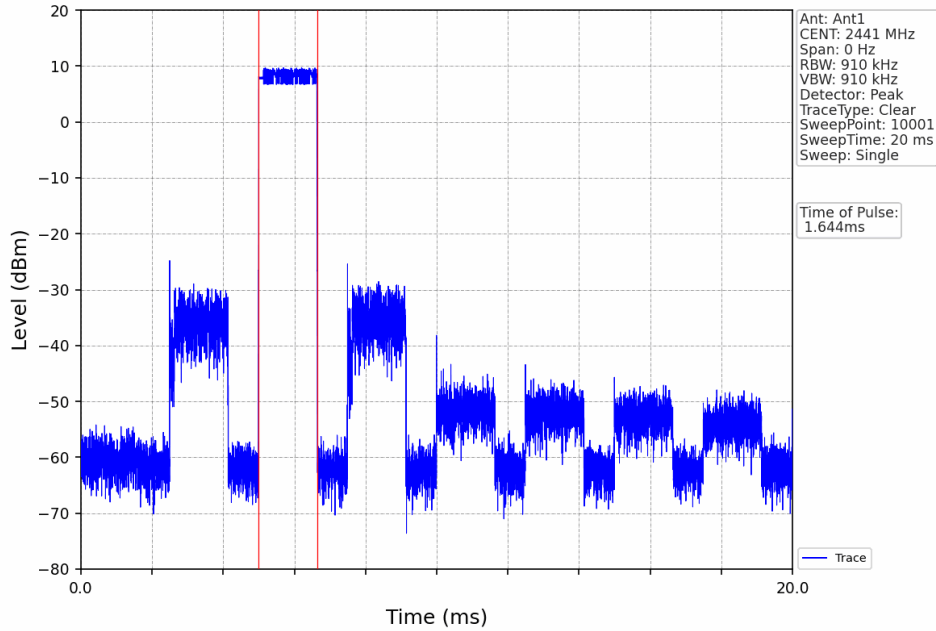
Pi/4DQPSK_2DH1_HOPP_Ant1_NTNV



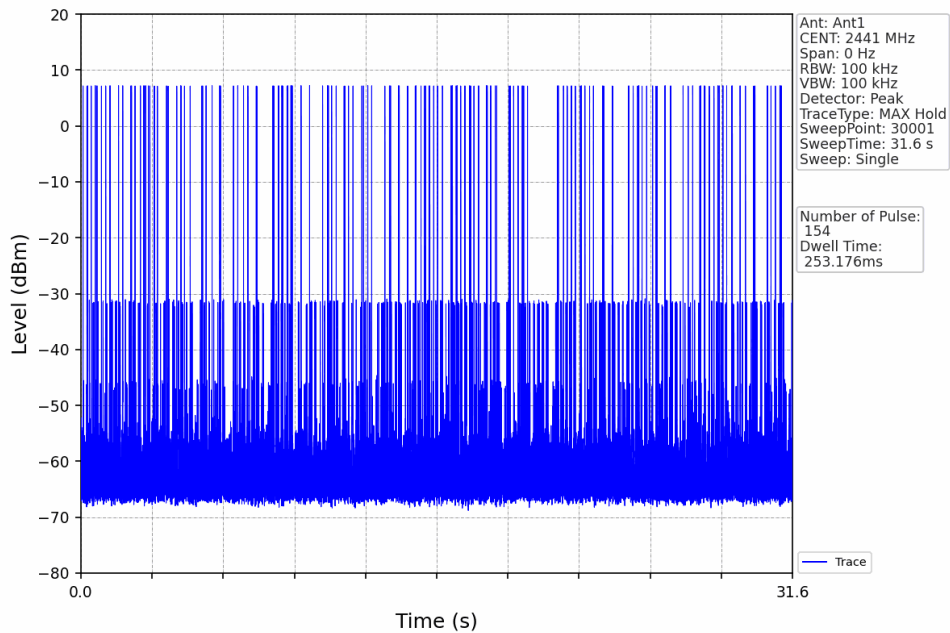
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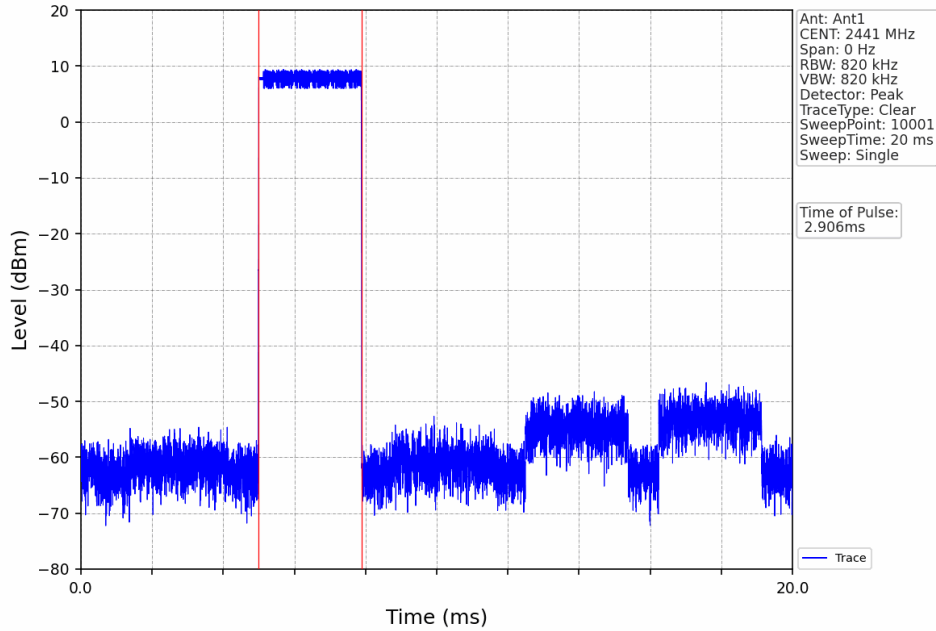
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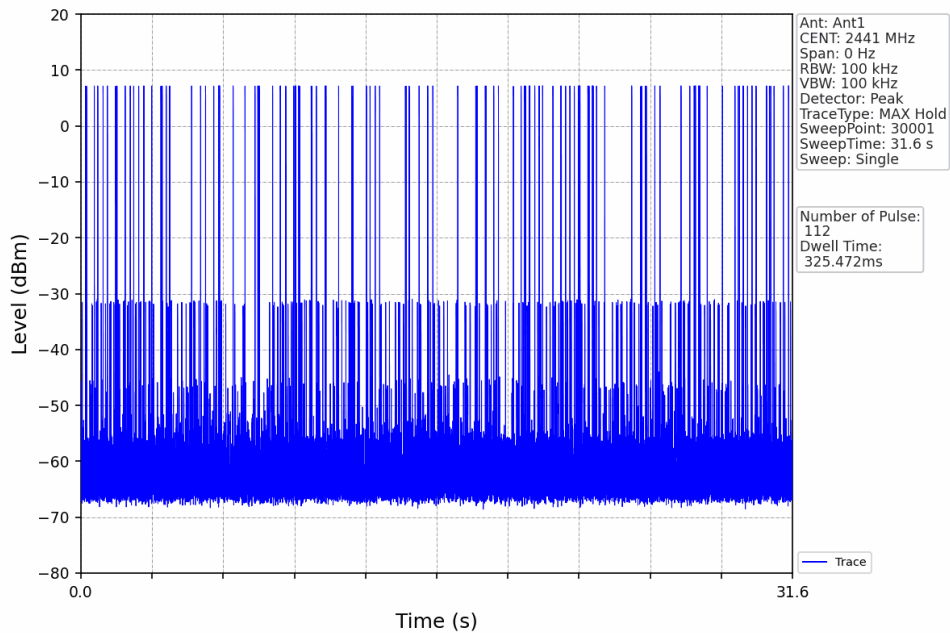
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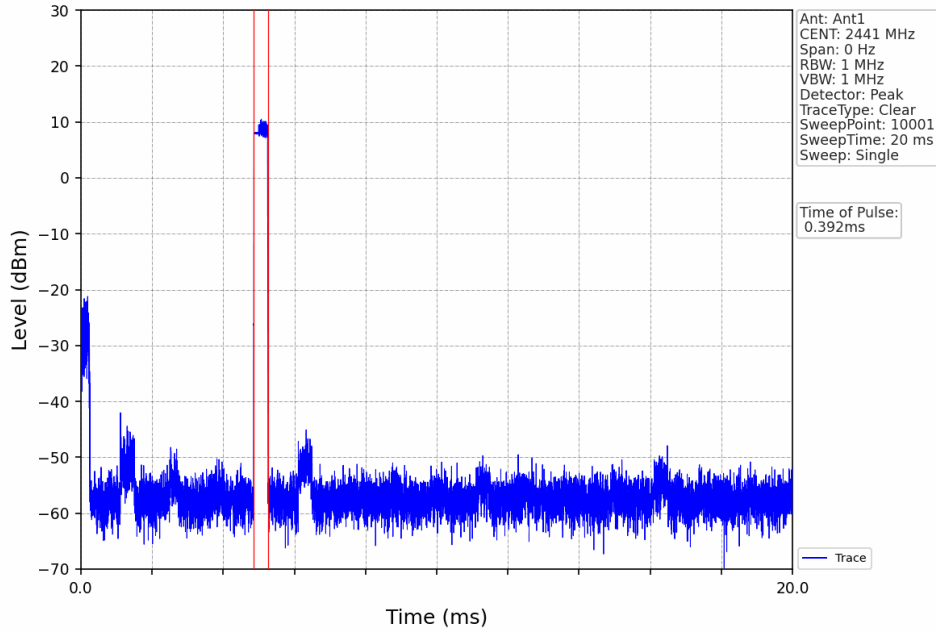
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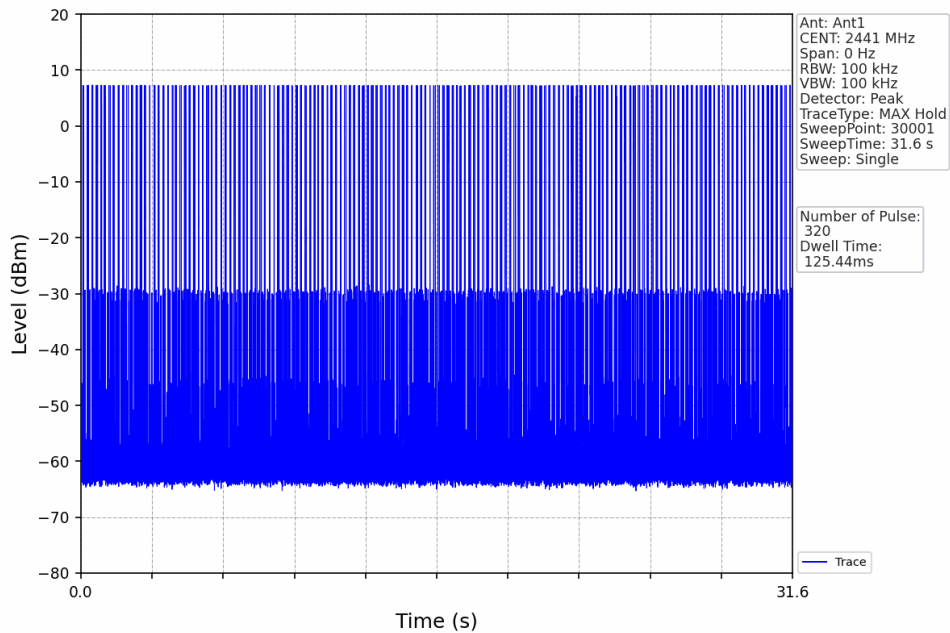
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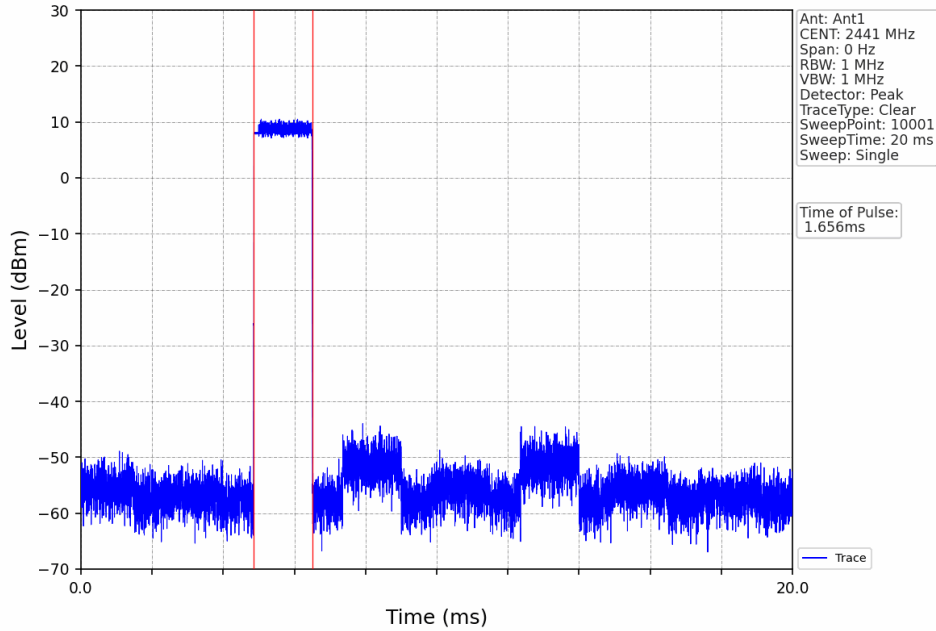
8DPSK_3DH1_HOPP_Ant1_NTNV



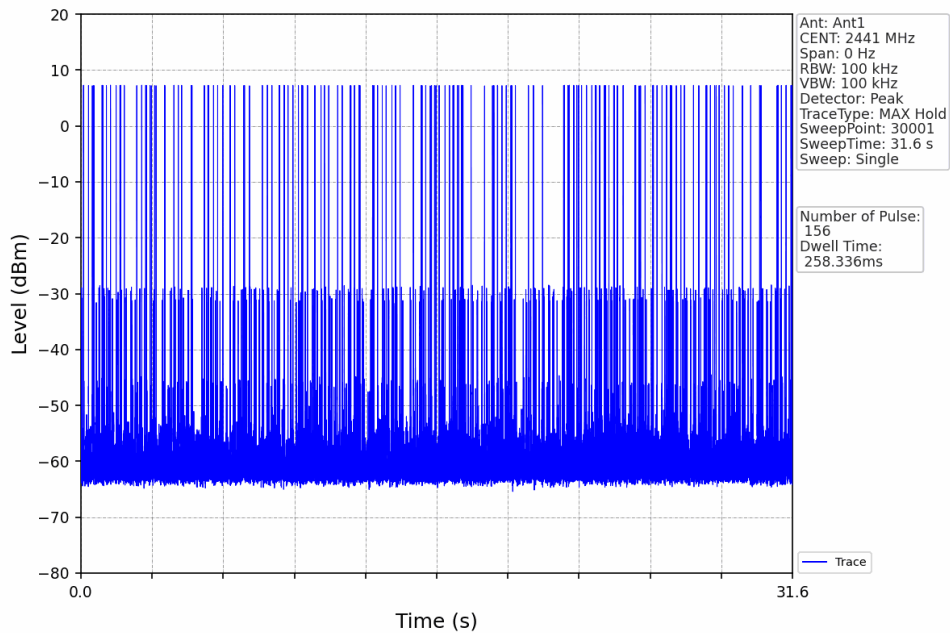
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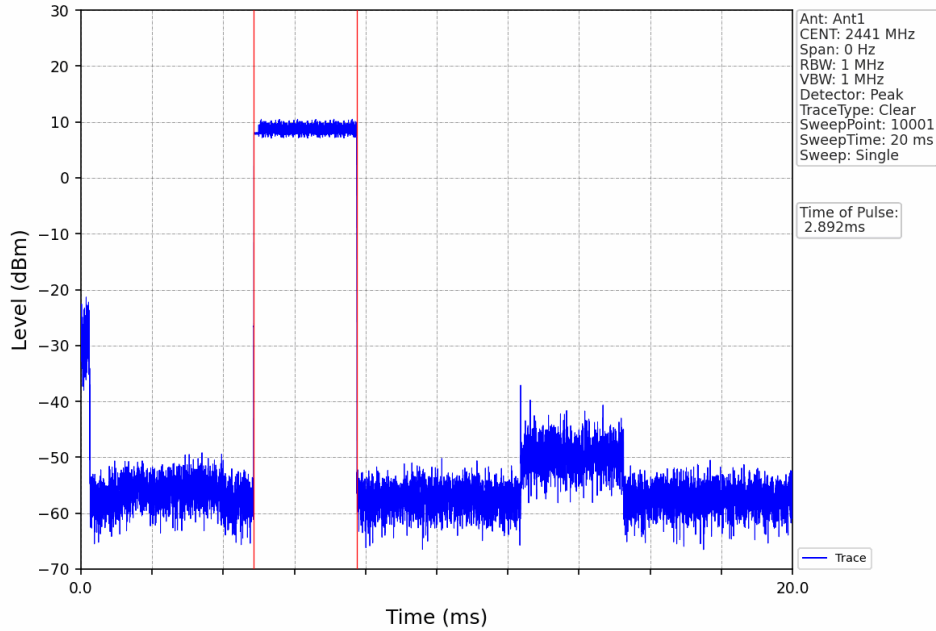
8DPSK_3DH3_HOPP_Ant1_NTNV



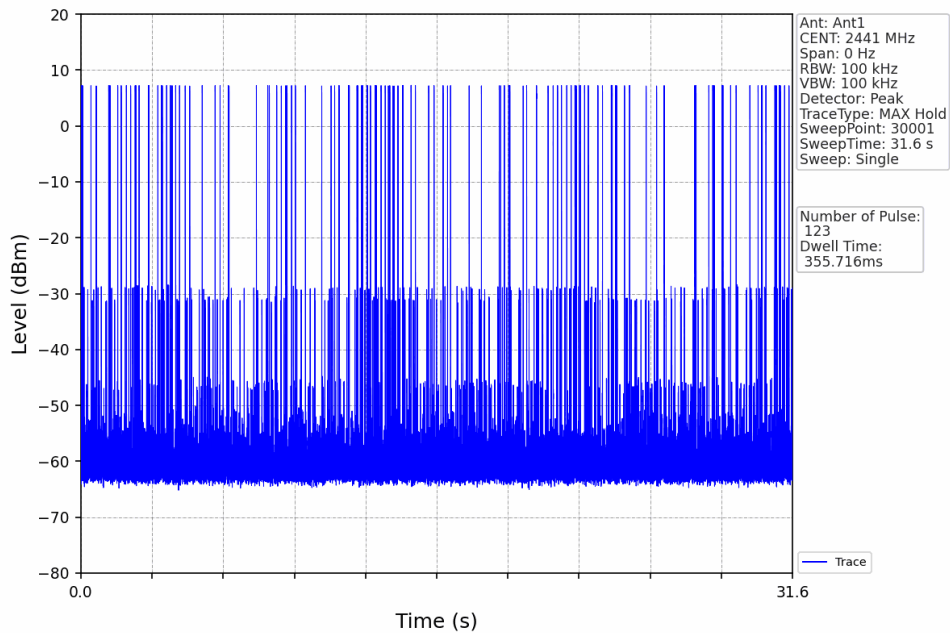
8DPSK_3DH3_HOPP_Ant1_NTNV



8DPSK_3DH5_HOPP_Ant1_NTNV



8DPSK_3DH5_HOPP_Ant1_NTNV



6. Unwanted Emissions In Non-restricted Frequency Bands

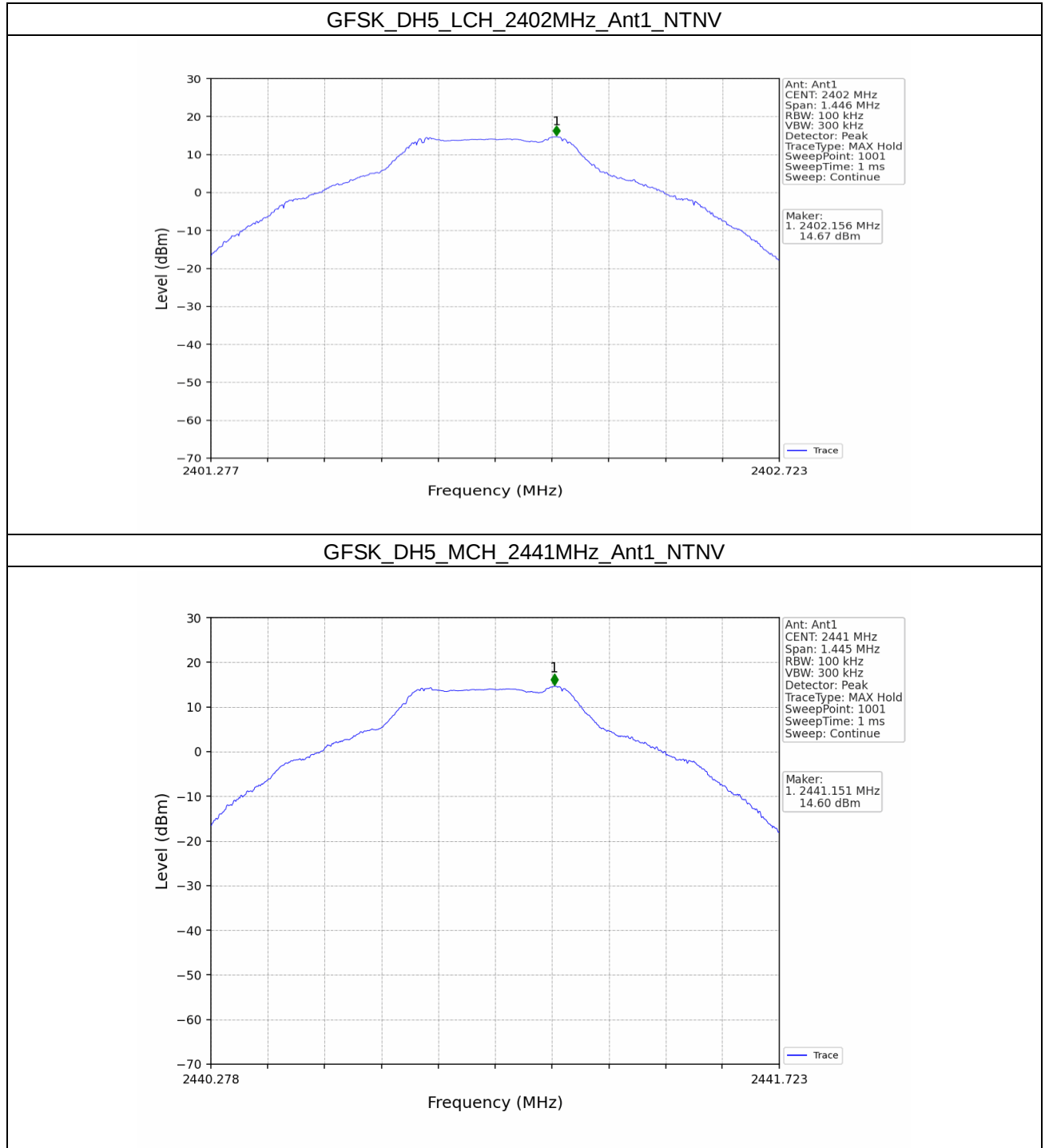
6.1 Ref

6.1.1 Test Result

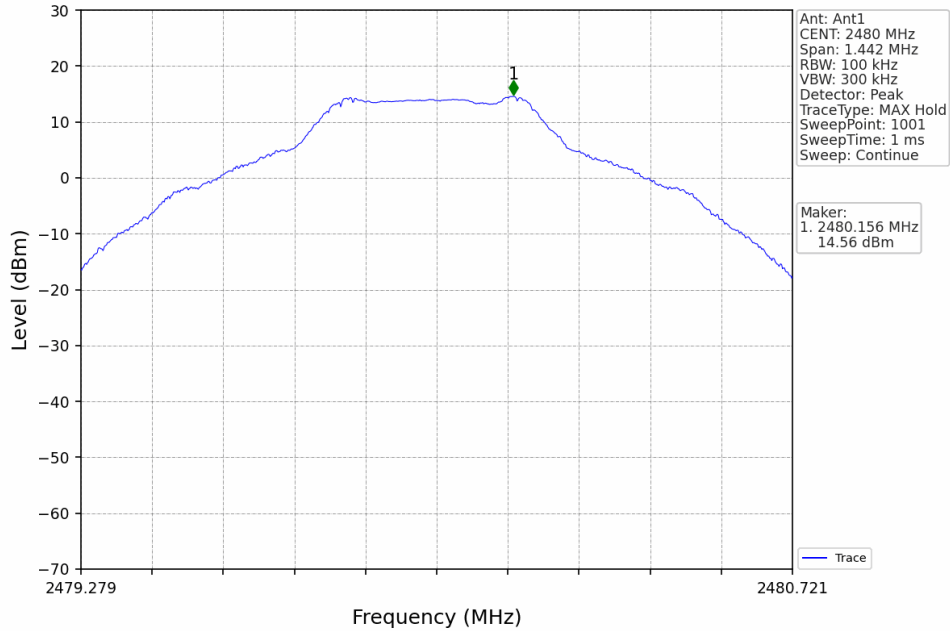
Mode	TX Type	Frequency (MHz)	Packet Type	ANT	Level of Reference (dBm)
GFSK	SISO	2402	DH5	1	14.67
		2441	DH5	1	14.60
		2480	DH5	1	14.56
Pi/4DQPSK	SISO	2402	2DH5	1	10.90
		2441	2DH5	1	10.85
		2480	2DH5	1	10.63
8DPSK	SISO	2402	3DH5	1	11.08
		2441	3DH5	1	10.98
		2480	3DH5	1	10.91



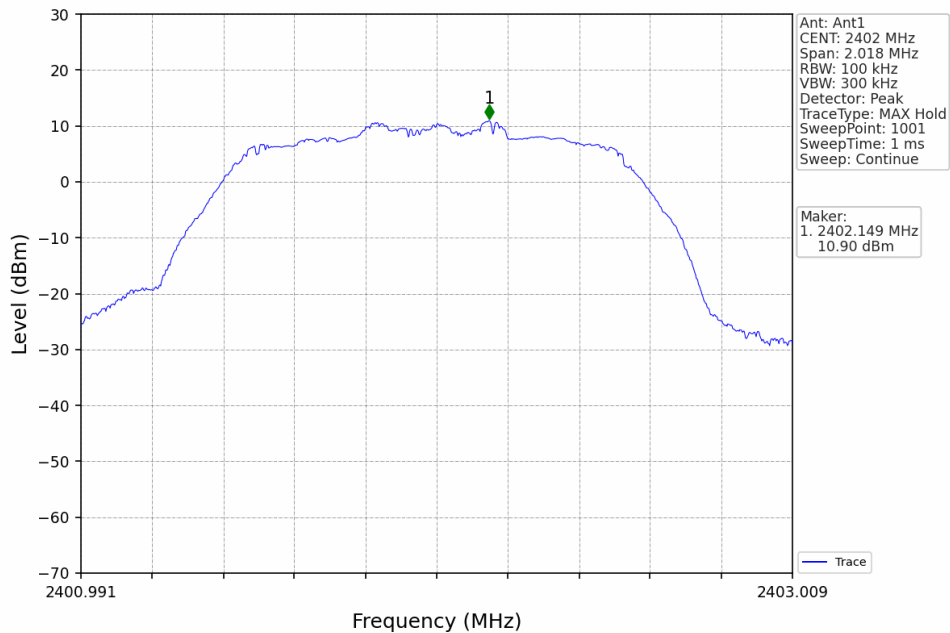
6.1.2 Test Graph



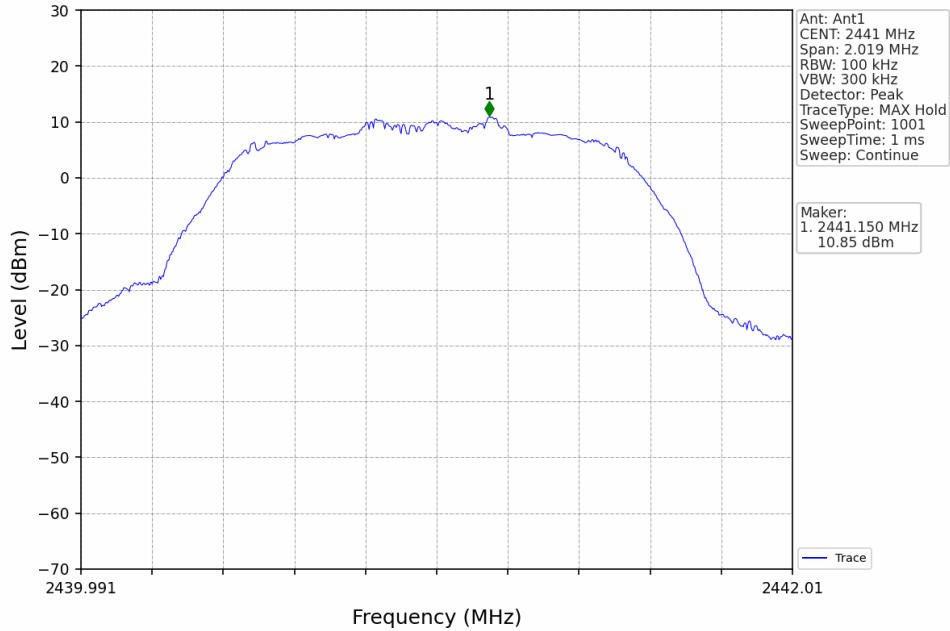
GFSK_DH5_HCH_2480MHz_Ant1_NTNV



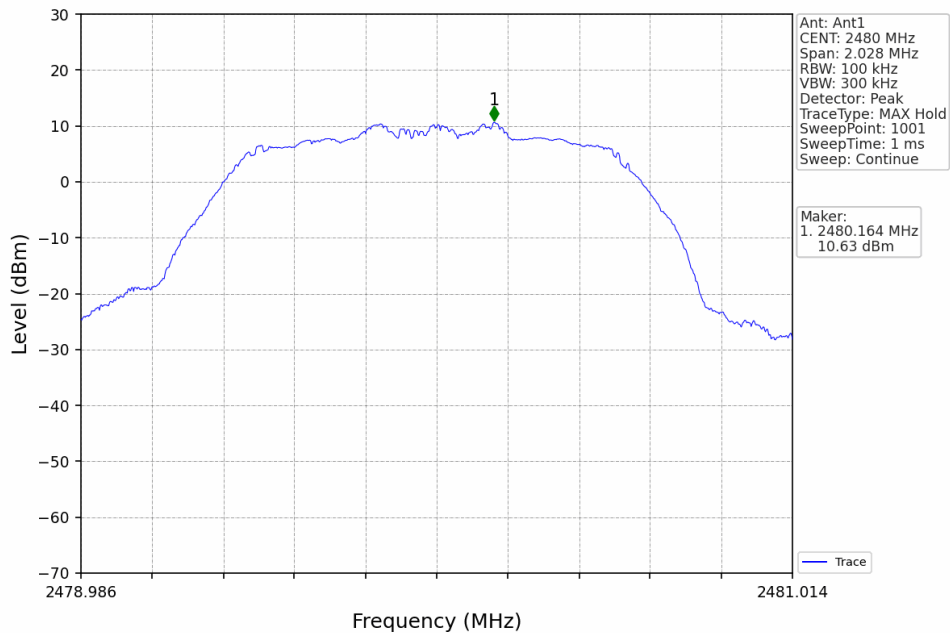
Pi/4DQPSK_2DH5_LCH_2402MHz_Ant1_NTNV



Pi/4DQPSK_2DH5_MCH_2441MHz_Ant1_NTNV



Pi/4DQPSK_2DH5_HCH_2480MHz_Ant1_NTNV



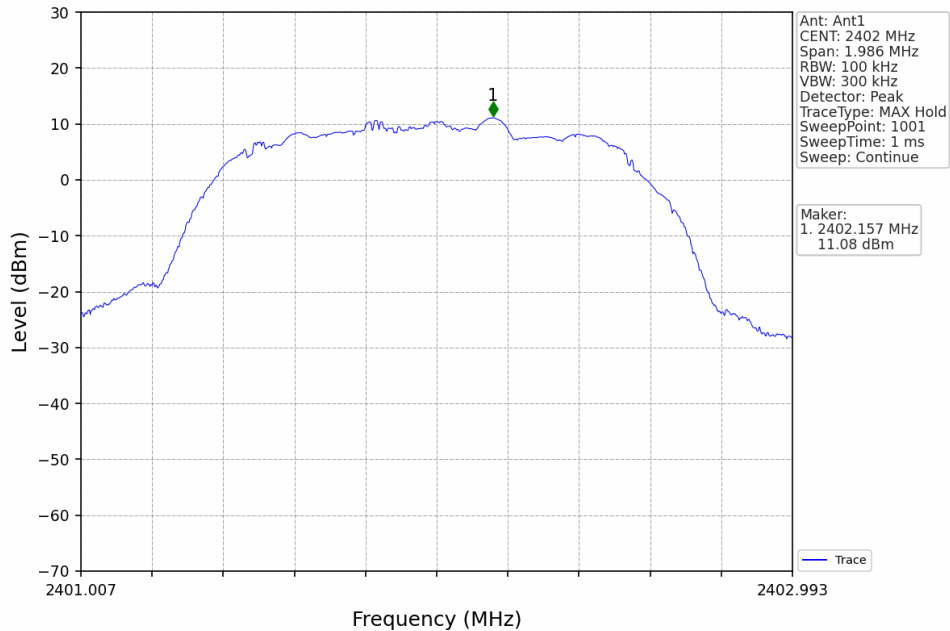
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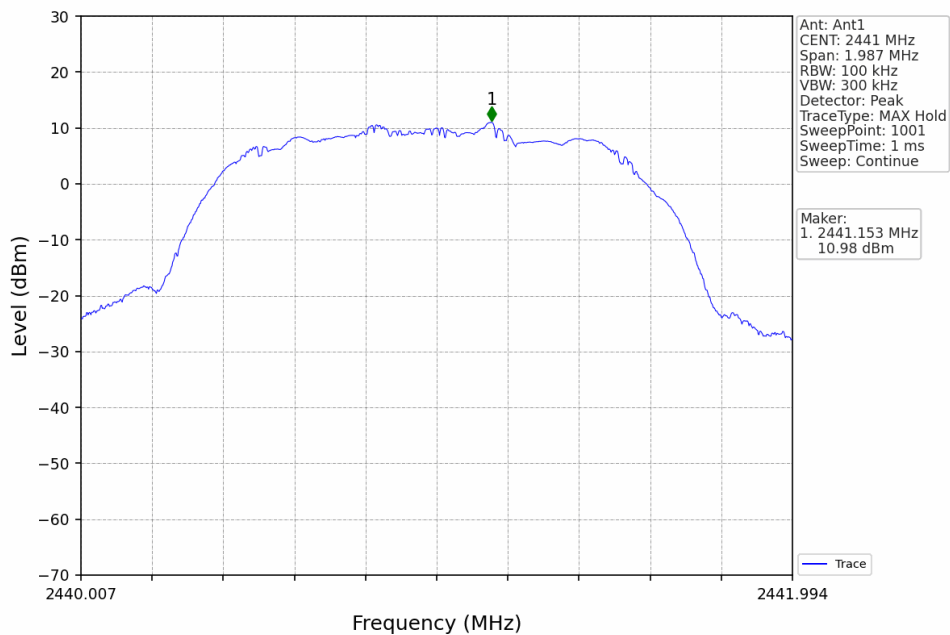
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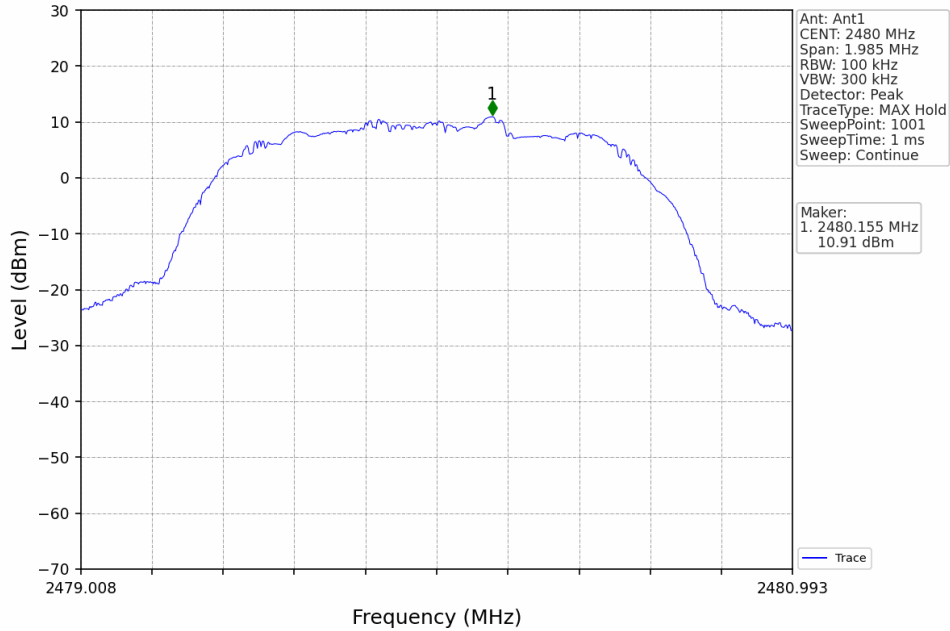
8DPSK_3DH5_LCH_2402MHz_Ant1_NTNV



8DPSK_3DH5_MCH_2441MHz_Ant1_NTNV



8DPSK_3DH5_HCH_2480MHz_Ant1_NTNV



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

Report No.: SZCR230600194502

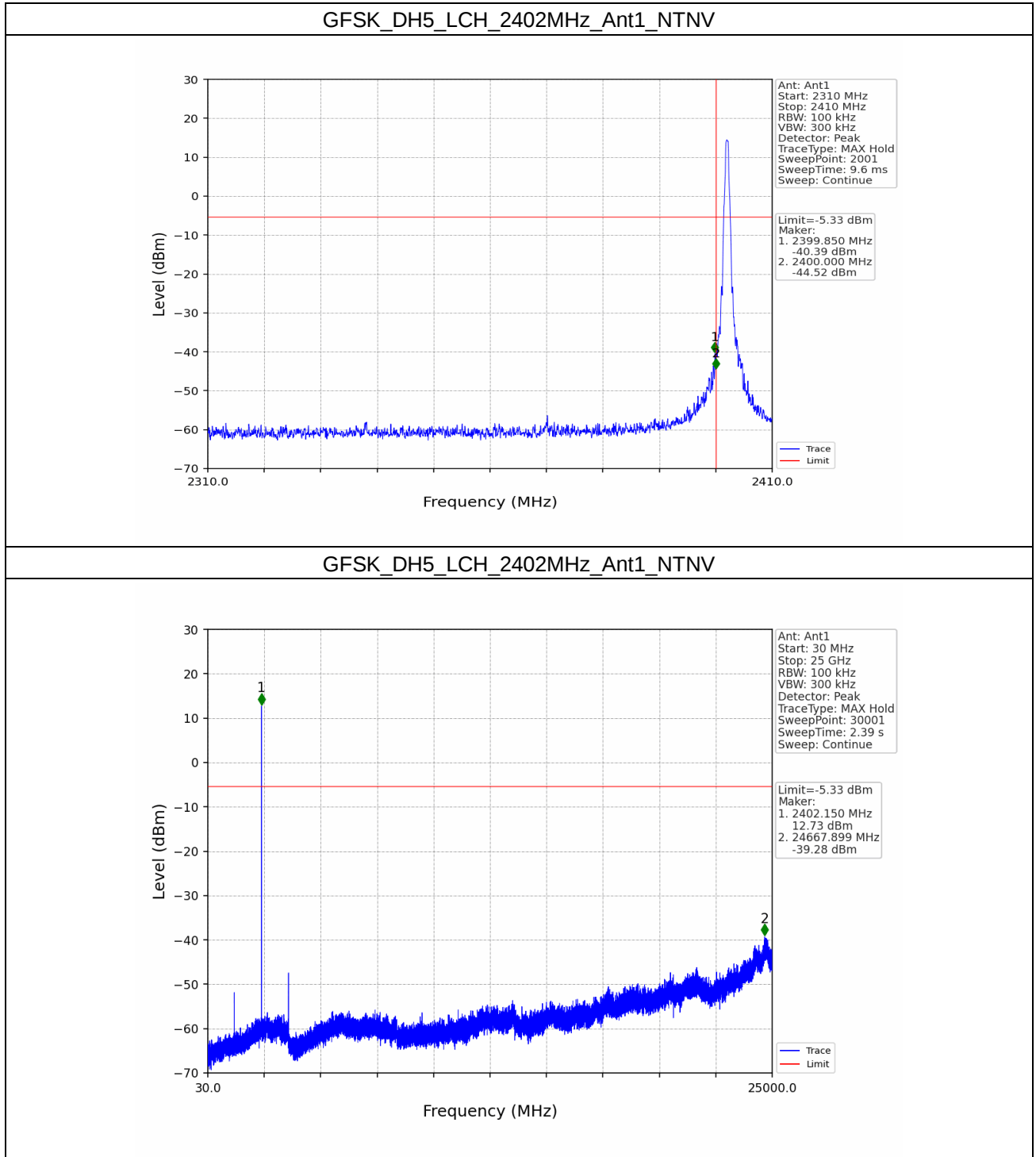
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6.2 CSE

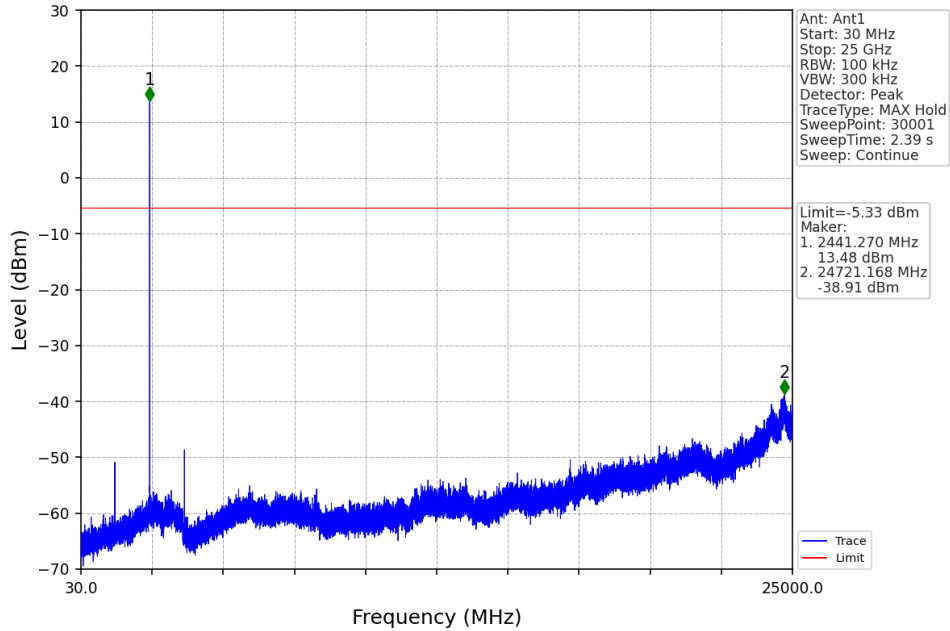
6.2.1 Test Result

Mode	TX Type	Frequency (MHz)	Packet Type	ANT	Level of Reference (dBm)	Limit (dBm)	Verdict
GFSK	SISO	2402	DH5	1	14.67	-5.33	Pass
		2441	DH5	1	14.67	-5.33	Pass
		2480	DH5	1	14.67	-5.33	Pass
		HOPP	DH5	1	14.67	-5.33	Pass
Pi/4DQPSK	SISO	2402	2DH5	1	10.90	-9.10	Pass
		2441	2DH5	1	10.90	-9.10	Pass
		2480	2DH5	1	10.90	-9.10	Pass
		HOPP	2DH5	1	10.90	-9.10	Pass
8DPSK	SISO	2402	3DH5	1	11.08	-8.92	Pass
		2441	3DH5	1	11.08	-8.92	Pass
		2480	3DH5	1	11.08	-8.92	Pass
		HOPP	3DH5	1	11.08	-8.92	Pass

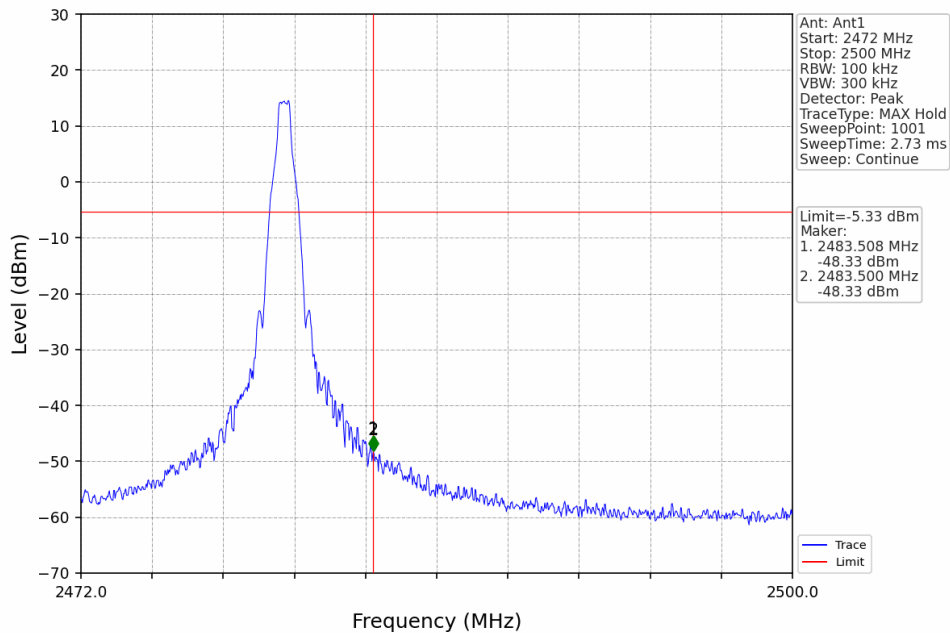
6.2.2 Test Graph



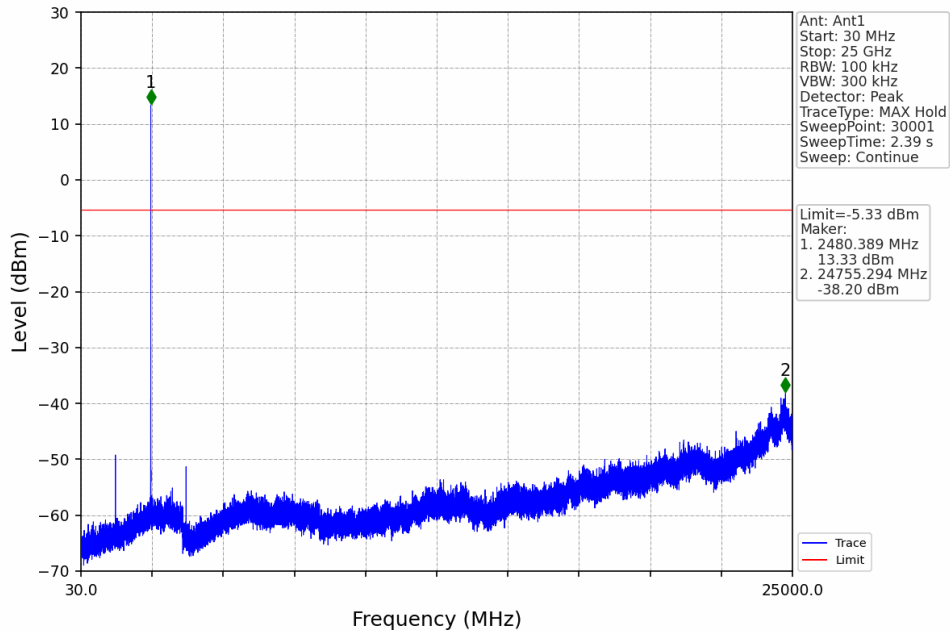
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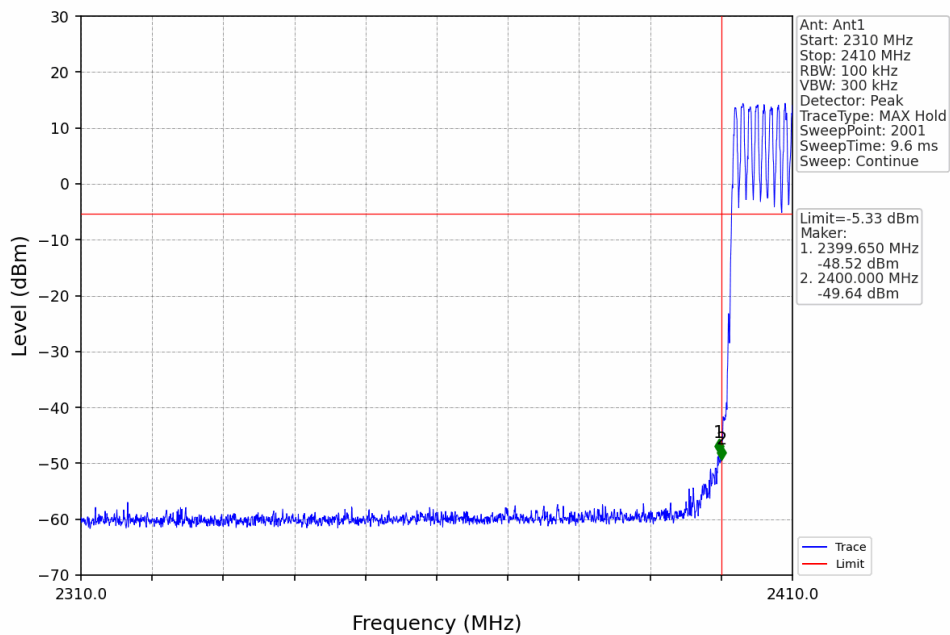
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GFSK_DH5_HCH_2480MHz_Ant1_NTNV



GFSK_DH5_HOPP_Ant1_NTNV



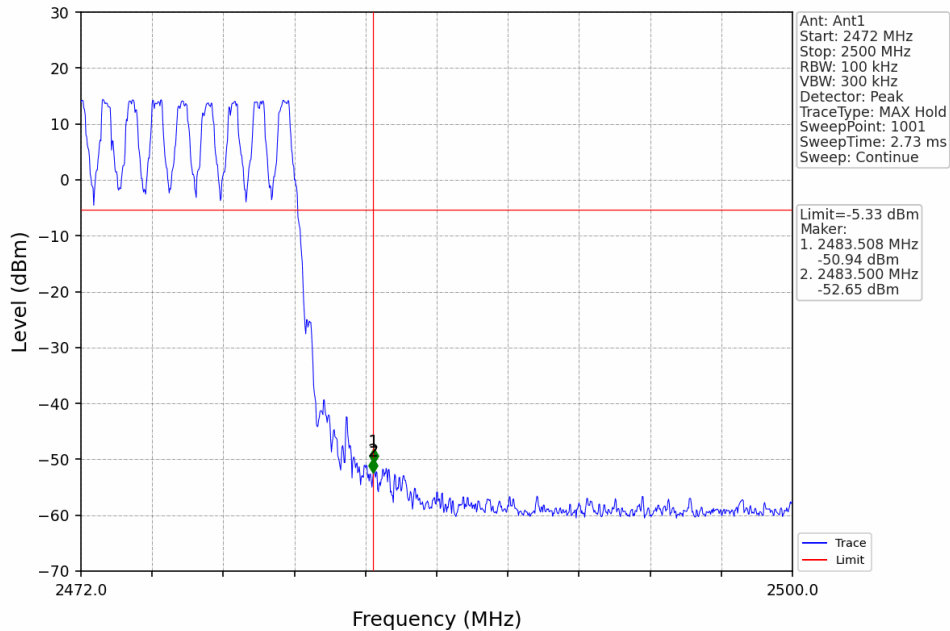
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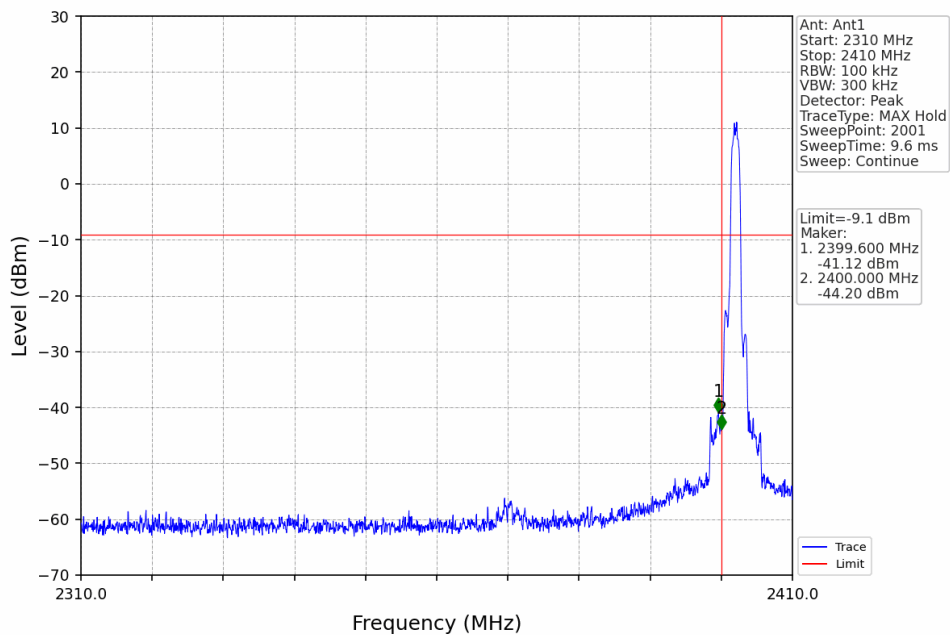
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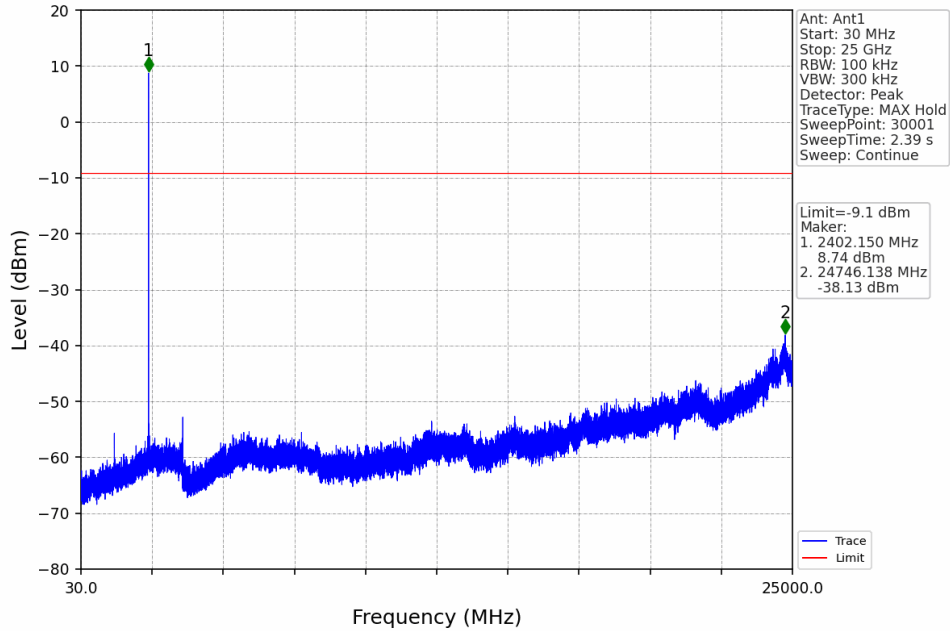
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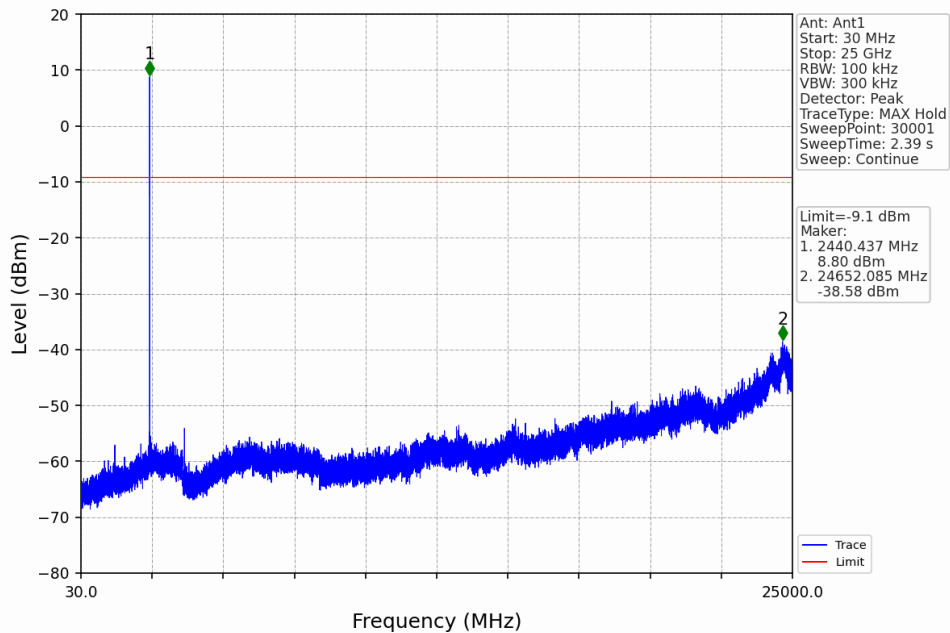
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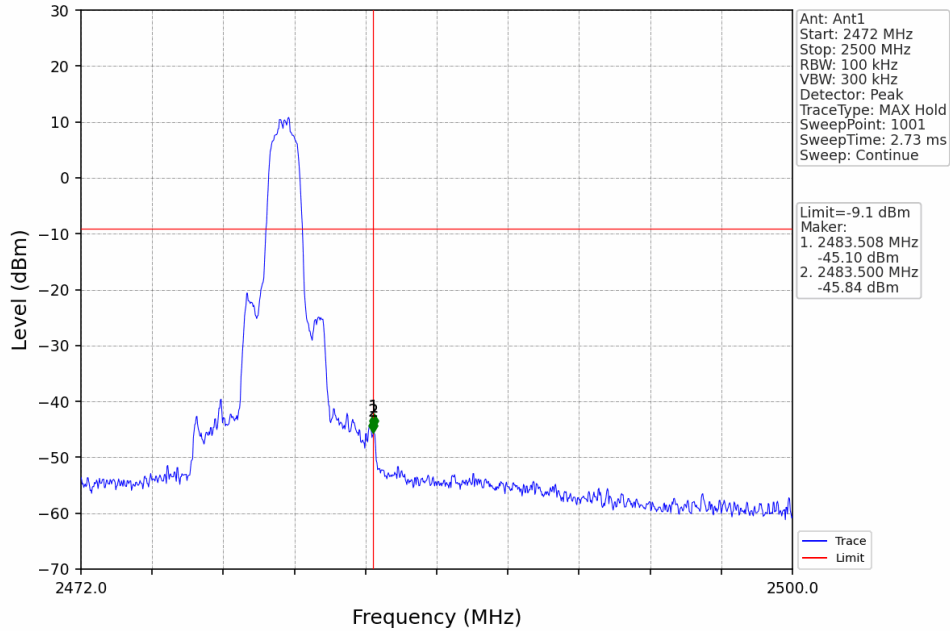
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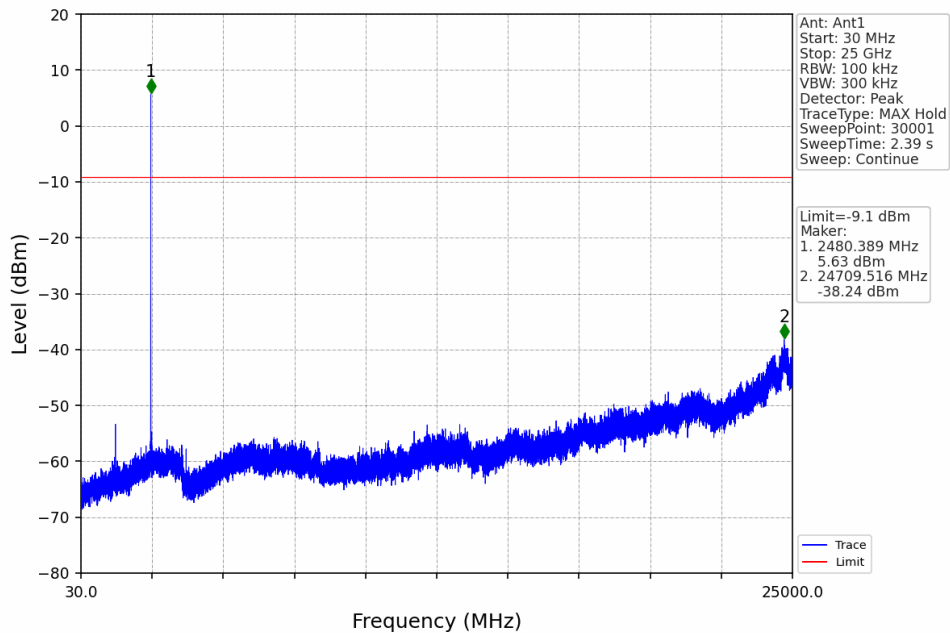
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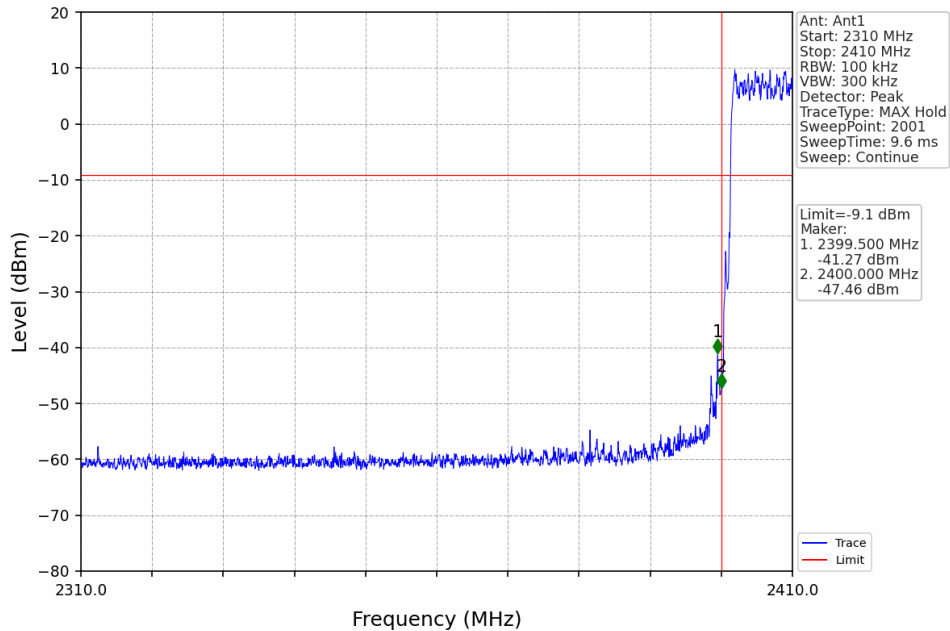
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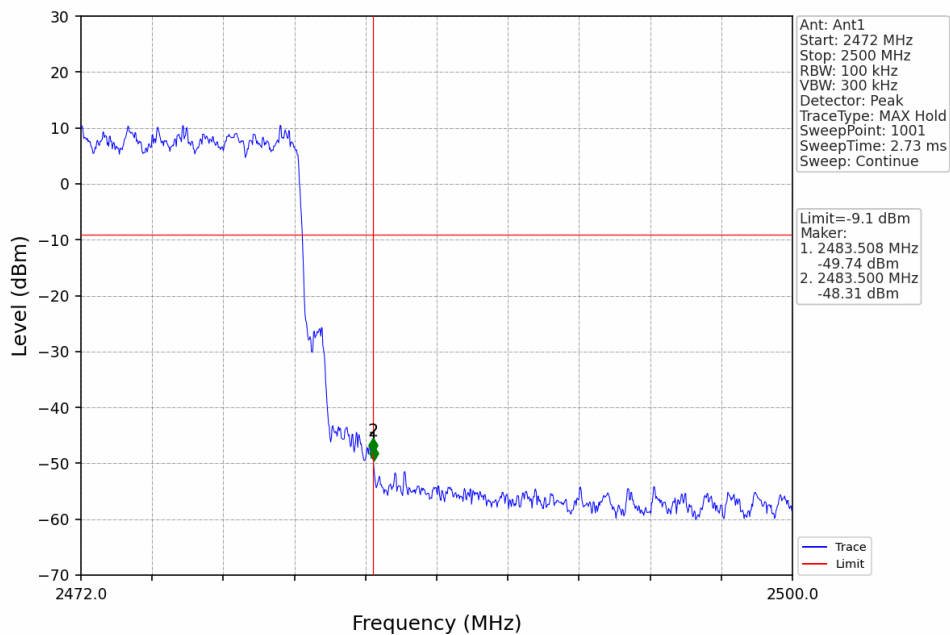
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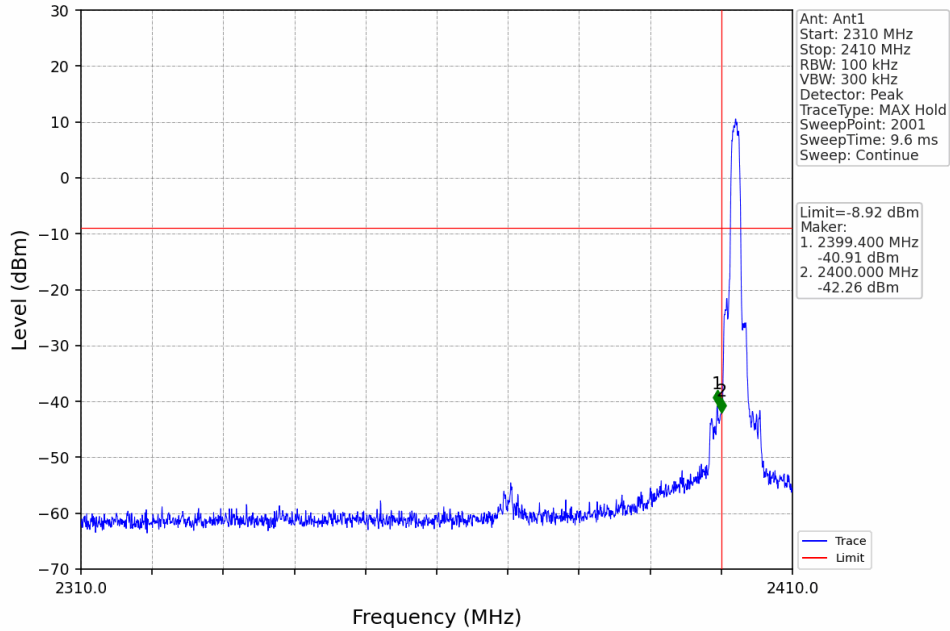
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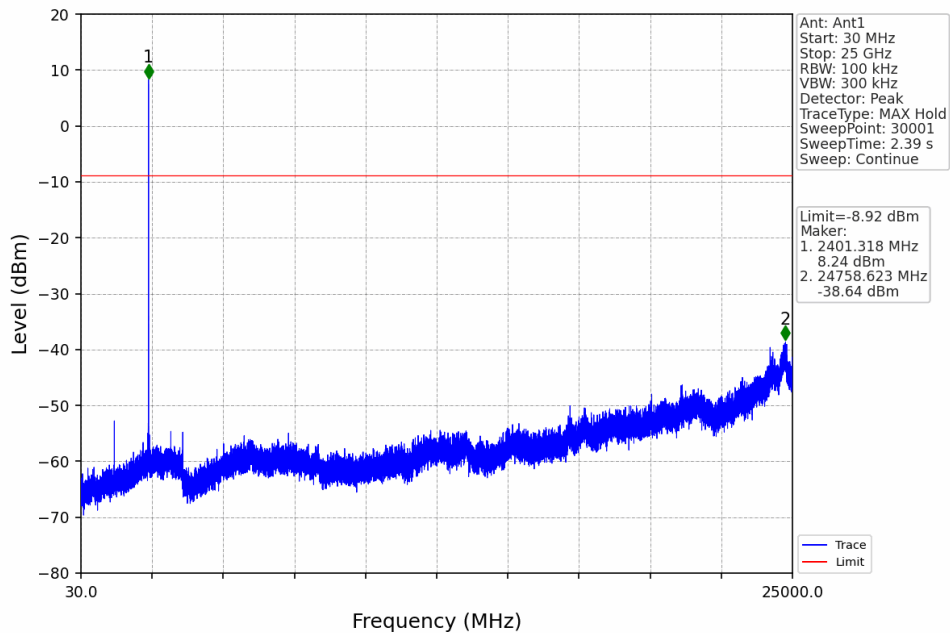
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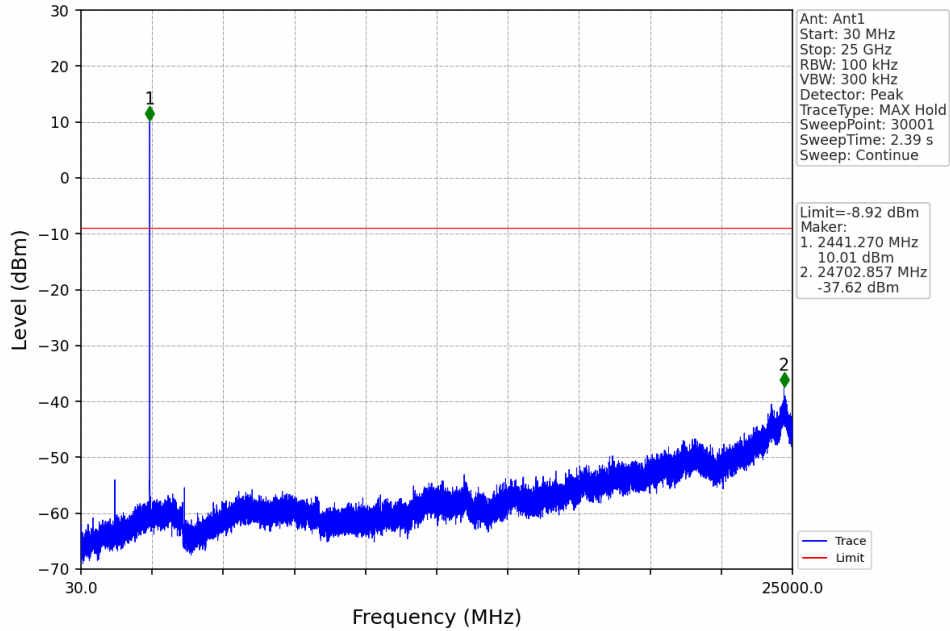
8DPSK_3DH5_LCH_2402MHz_Ant1_NTNV



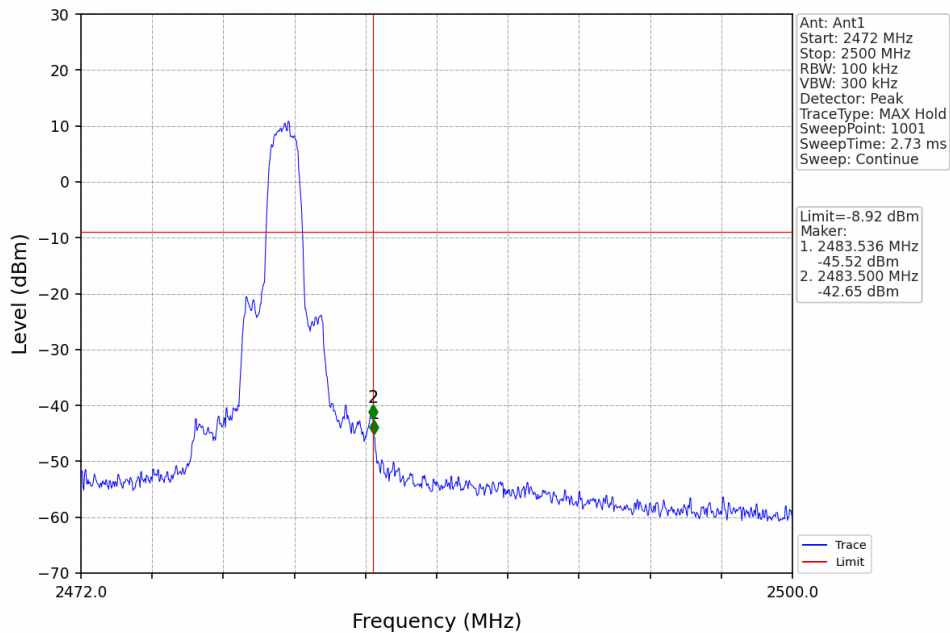
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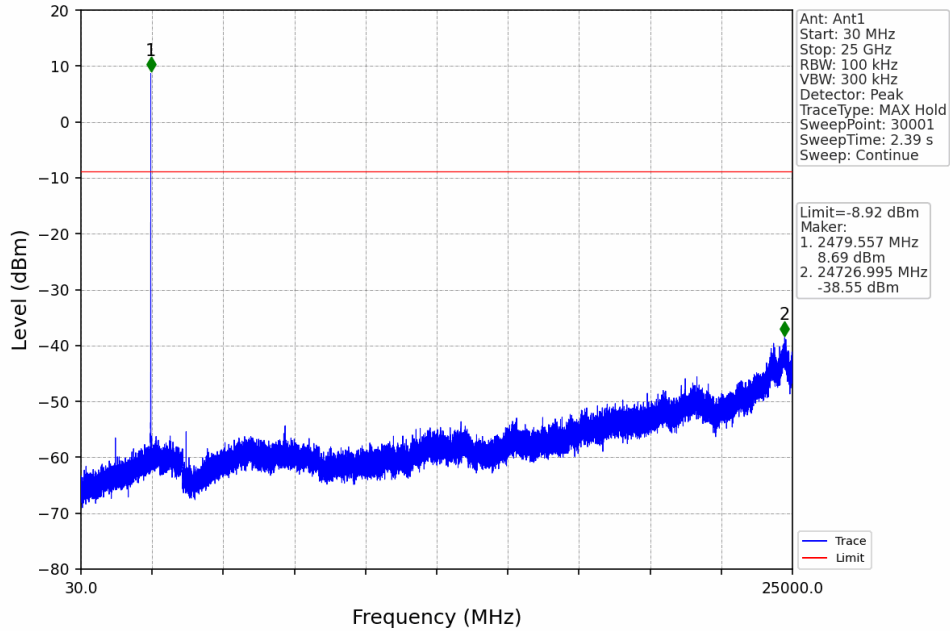
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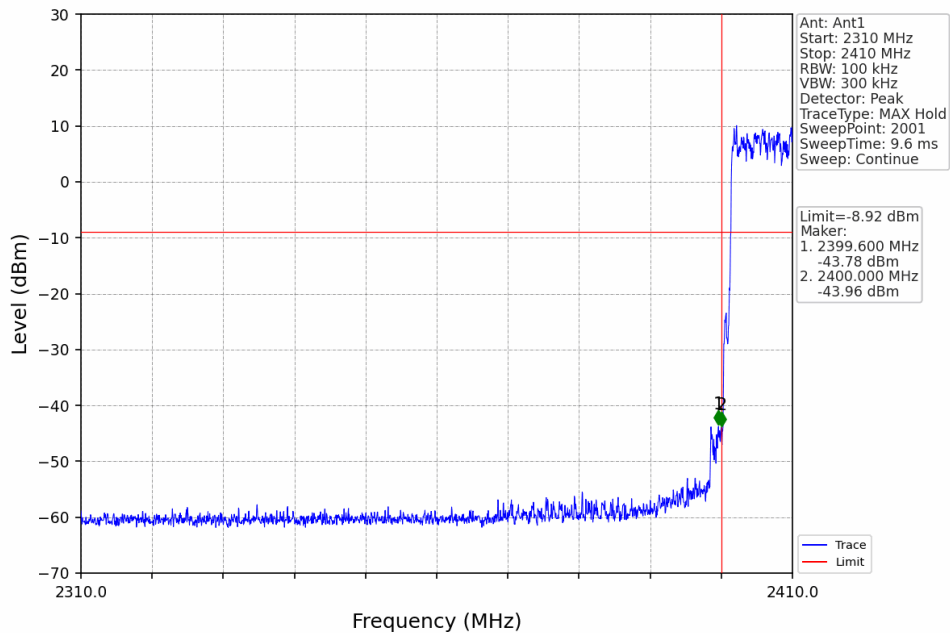
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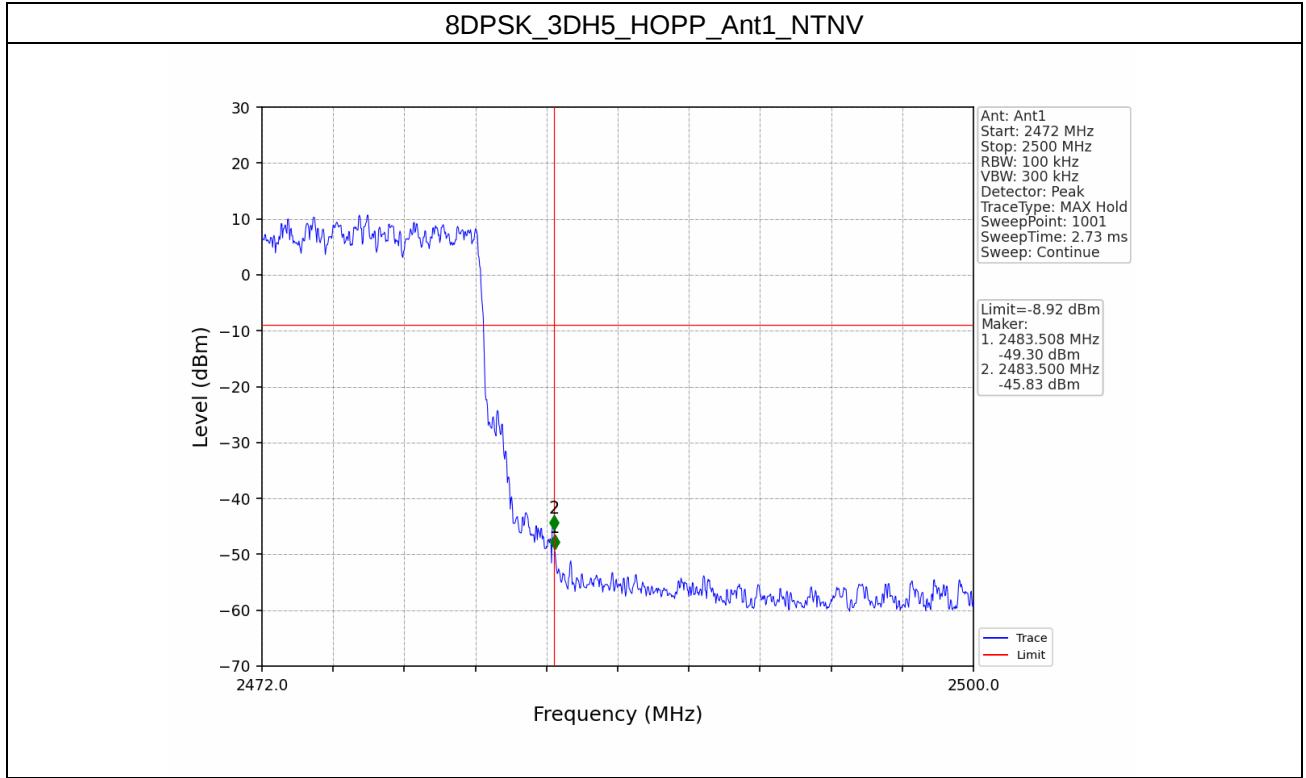


8DPSK_3DH5_HCH_2480MHz_Ant1_NTNV



8DPSK_3DH5_HOPP_Ant1_NTNV





- End of the Report -



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