

1 Bandwidth

11 Test Result

11.1 OBW

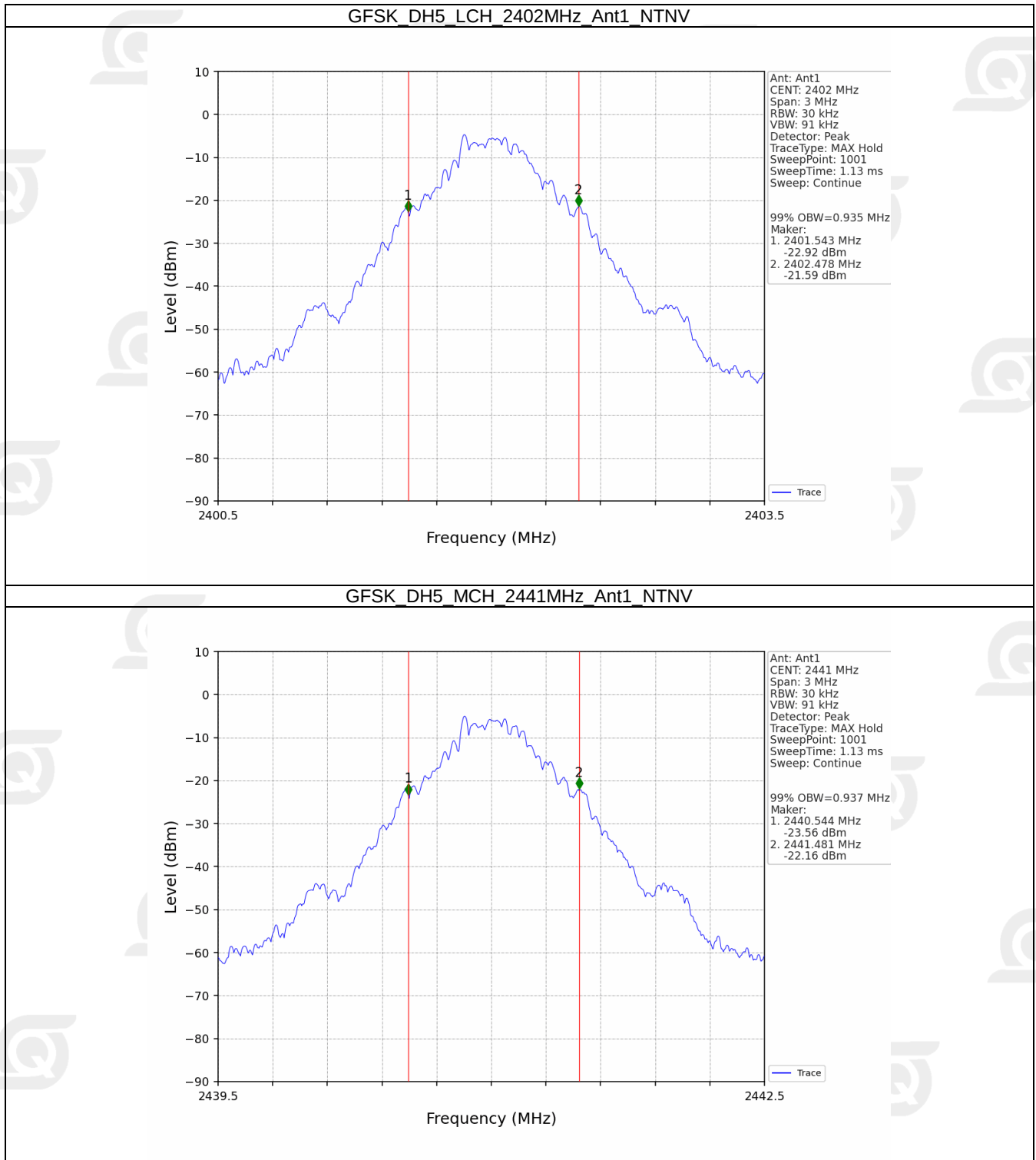
Mode	TX Type	Frequency (MHz)	Packet Type	ANT	99% Occupied Bandwidth (MHz)		Verdict
					Result	Limit	
GFSK	SISO	2402	DH5	1	0.935	/	Pass
		2441	DH5	1	0.937	/	Pass
		2480	DH5	1	0.934	/	Pass
Pi/4DQPSK	SISO	2402	2DH5	1	1.214	/	Pass
		2441	2DH5	1	1.207	/	Pass
		2480	2DH5	1	1.203	/	Pass
8DPSK	SISO	2402	3DH5	1	1.202	/	Pass
		2441	3DH5	1	1.193	/	Pass
		2480	3DH5	1	1.188	/	Pass

11.2 20dB BW

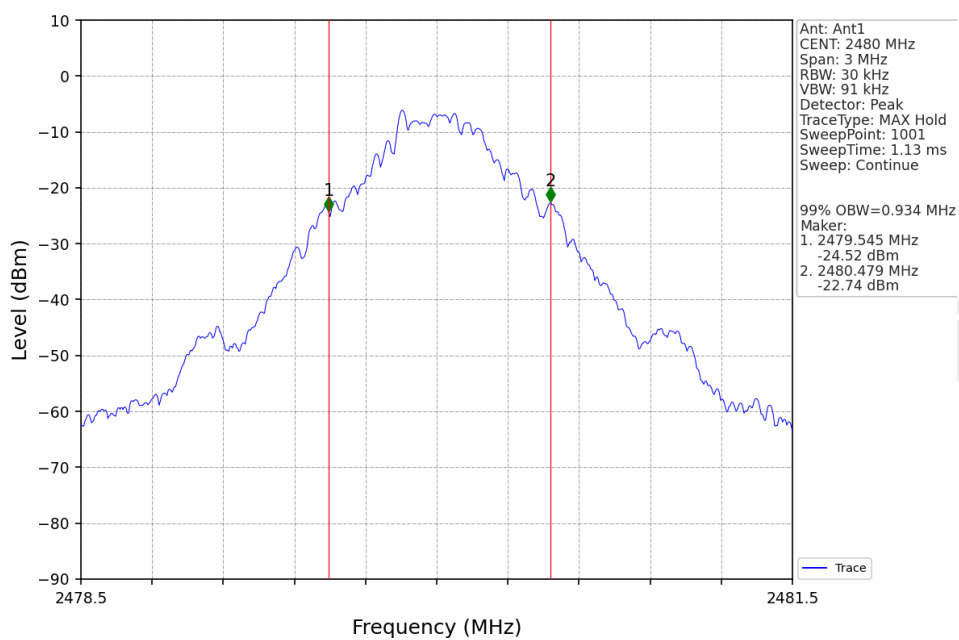
Mode	TX Type	Frequency (MHz)	Packet Type	ANT	20dB Bandwidth (MHz)		Verdict
					Result	Limit	
GFSK	SISO	2402	DH5	1	1.036	/	Pass
		2441	DH5	1	1.036	/	Pass
		2480	DH5	1	1.039	/	Pass
Pi/4DQPSK	SISO	2402	2DH5	1	1.332	/	Pass
		2441	2DH5	1	1.330	/	Pass
		2480	2DH5	1	1.330	/	Pass
8DPSK	SISO	2402	3DH5	1	1.303	/	Pass
		2441	3DH5	1	1.297	/	Pass
		2480	3DH5	1	1.293	/	Pass

1.2 Test Graph

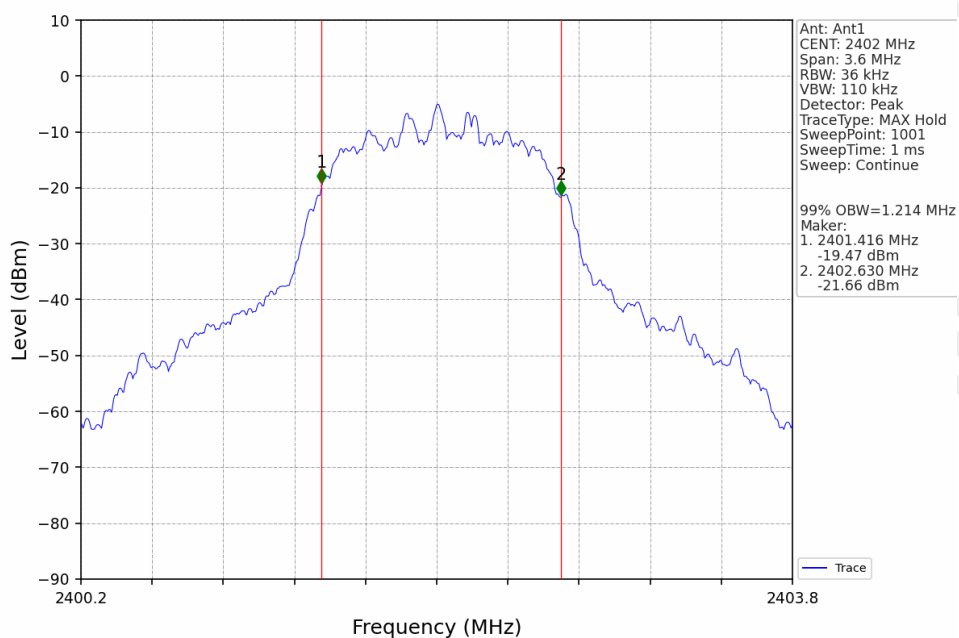
1.2.1 OBW



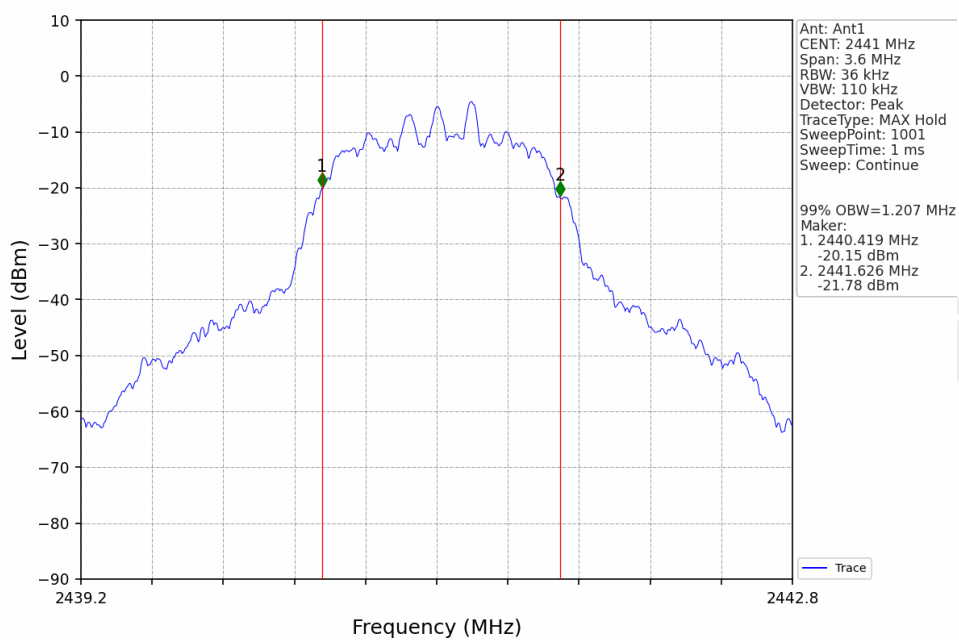
GFSK DH5 HCH 2480MHz Ant1 NTN



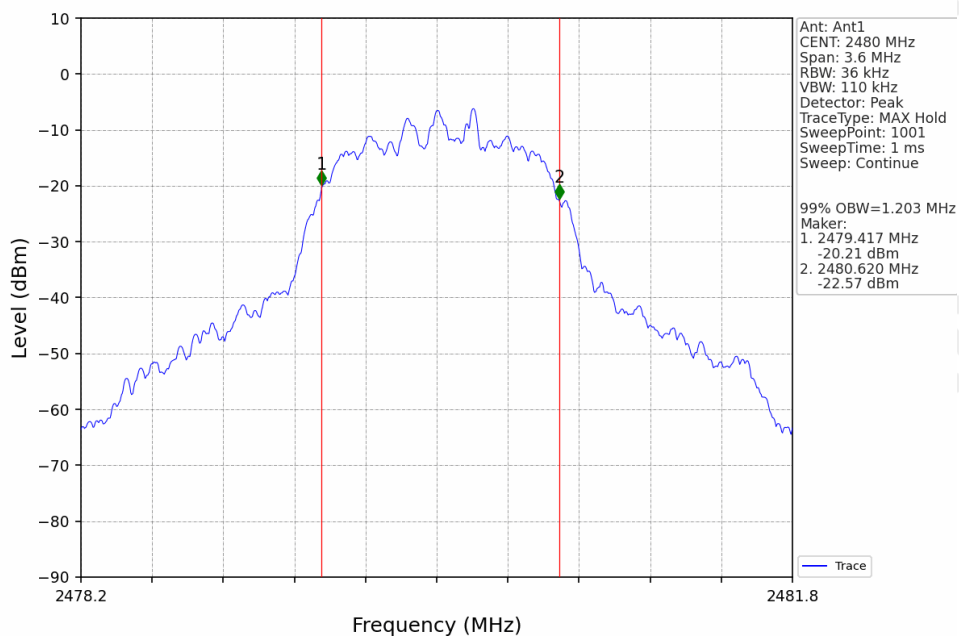
Pi/4DQPSK 2DH5 LCH 2402MHz Ant1 NTN



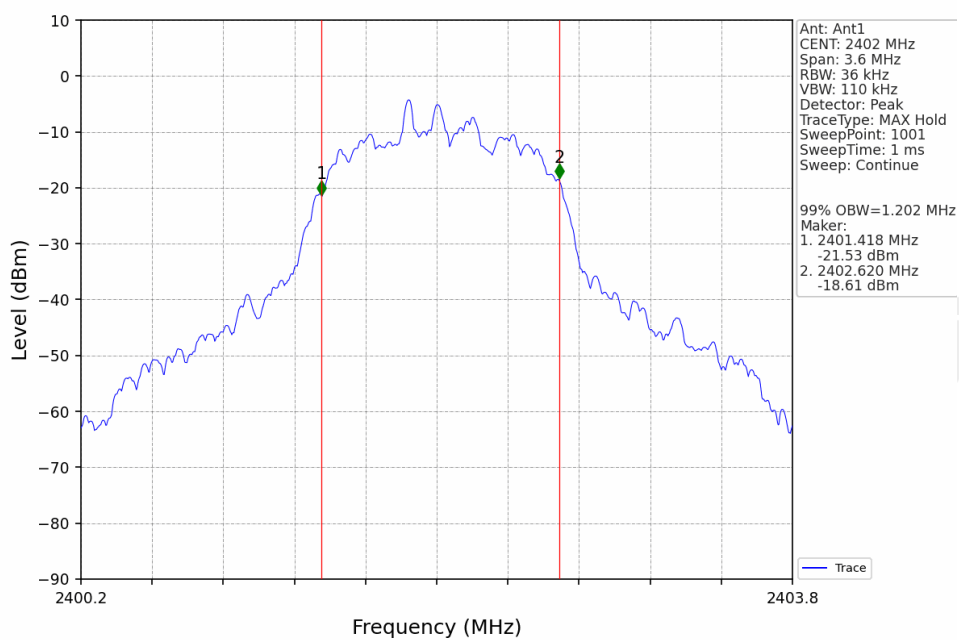
Pi/4DQPSK 2DH5 MCH 2441MHz Ant1 NTV



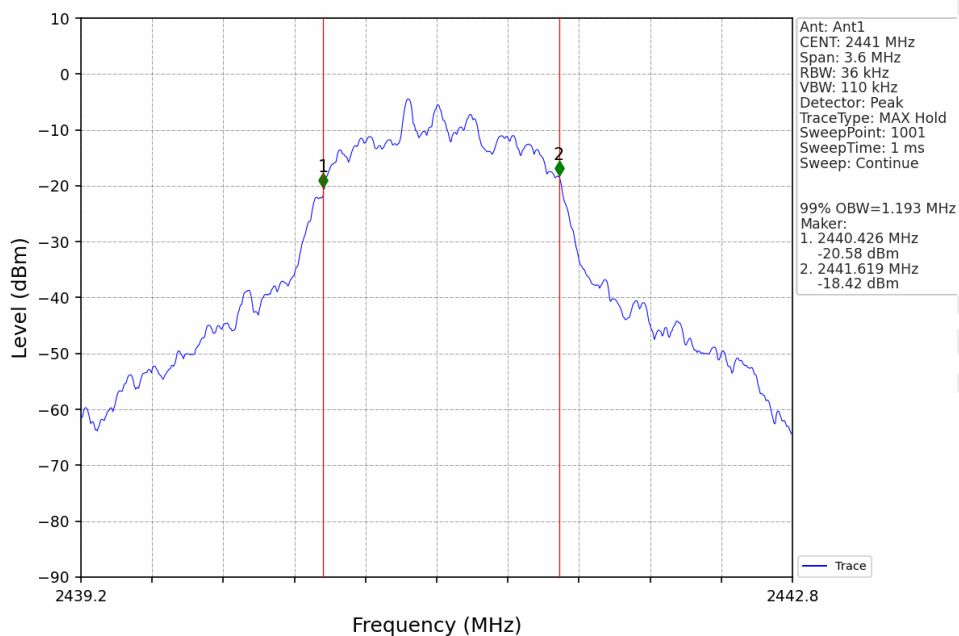
Pi/4DQPSK 2DH5 HCH 2480MHz Ant1 NTV

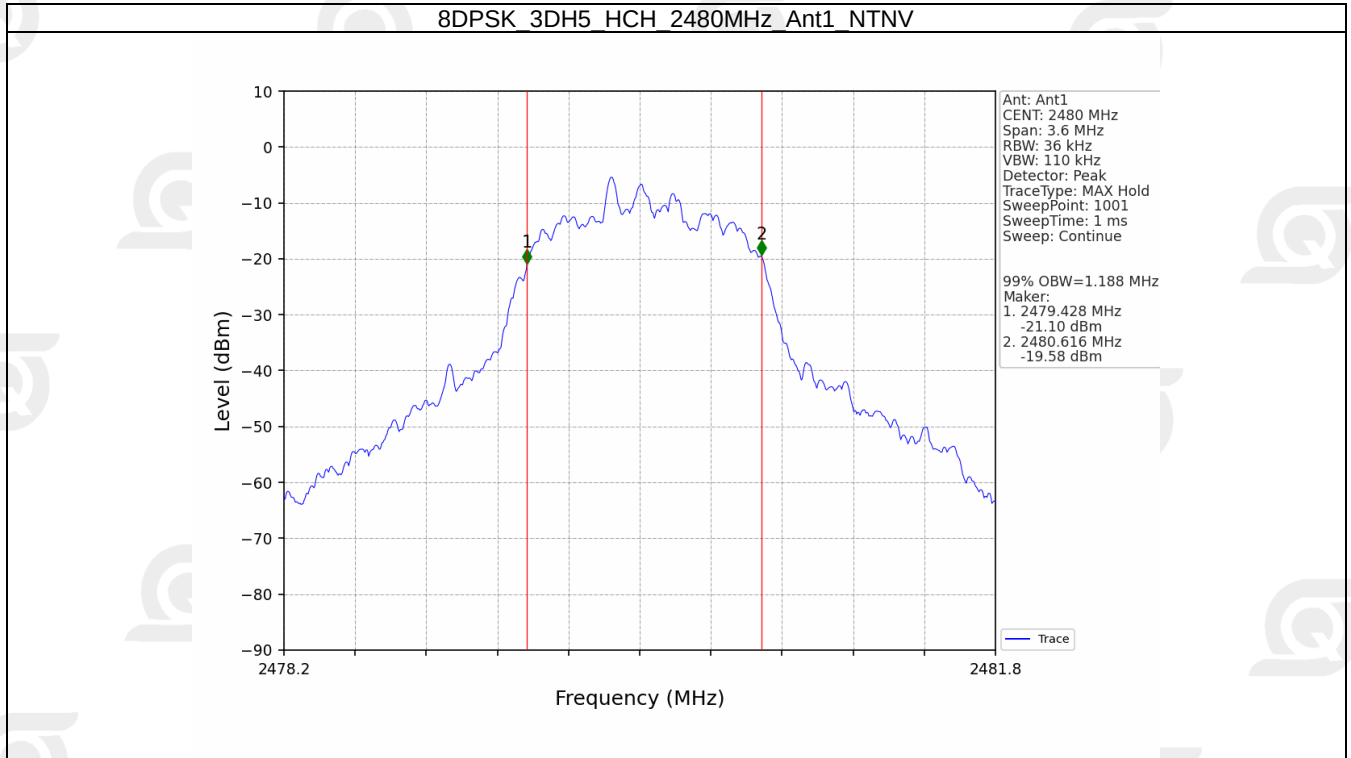


8DPSK 3DH5 LCH 2402MHz Ant1 NTN

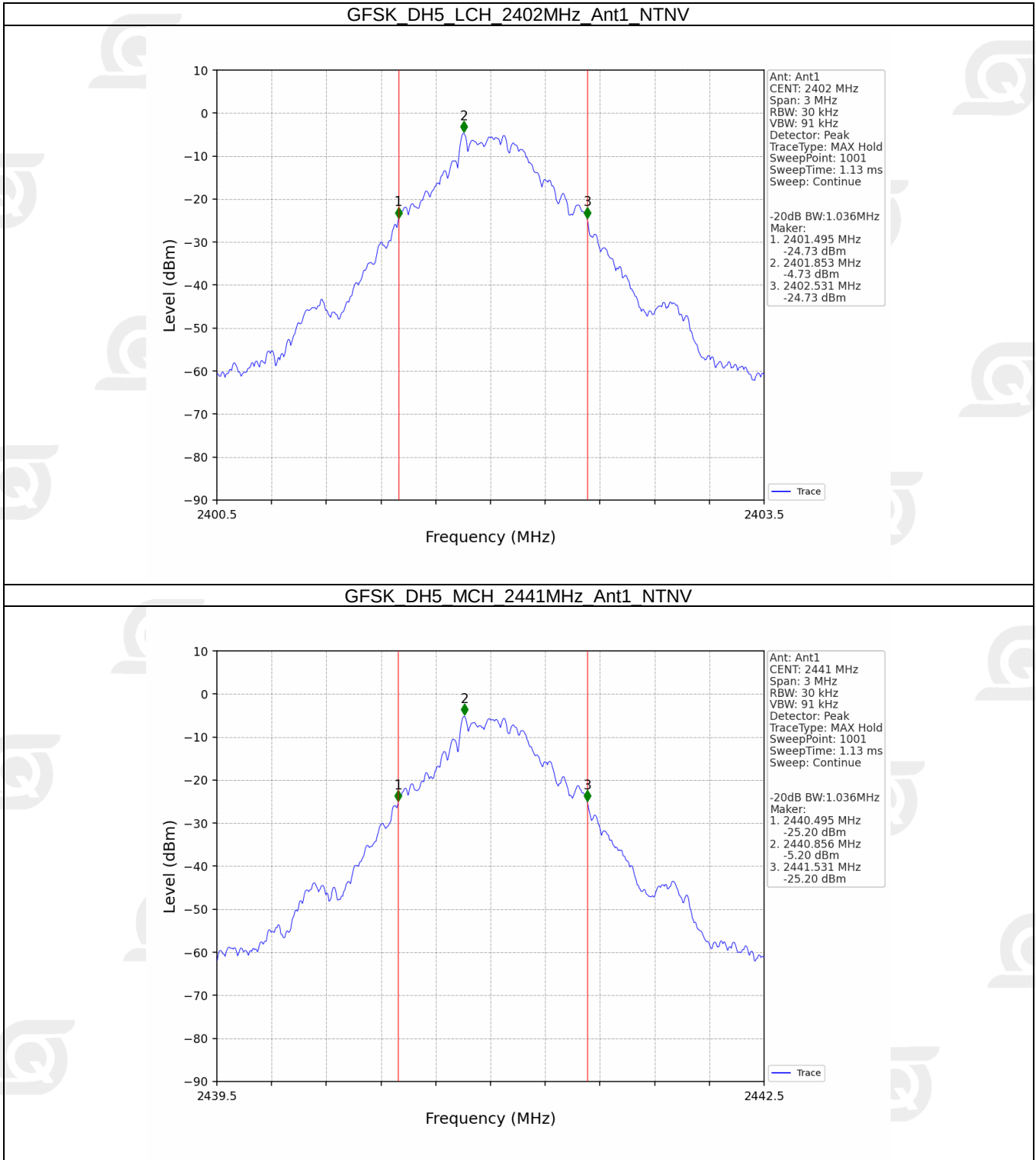


8DPSK 3DH5 MCH 2441MHz Ant1 NTN

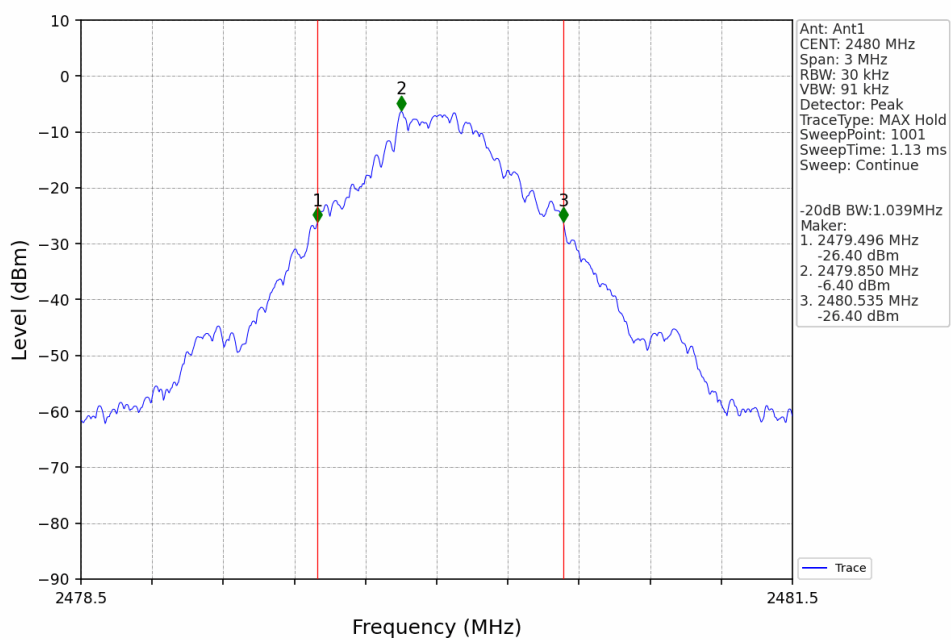




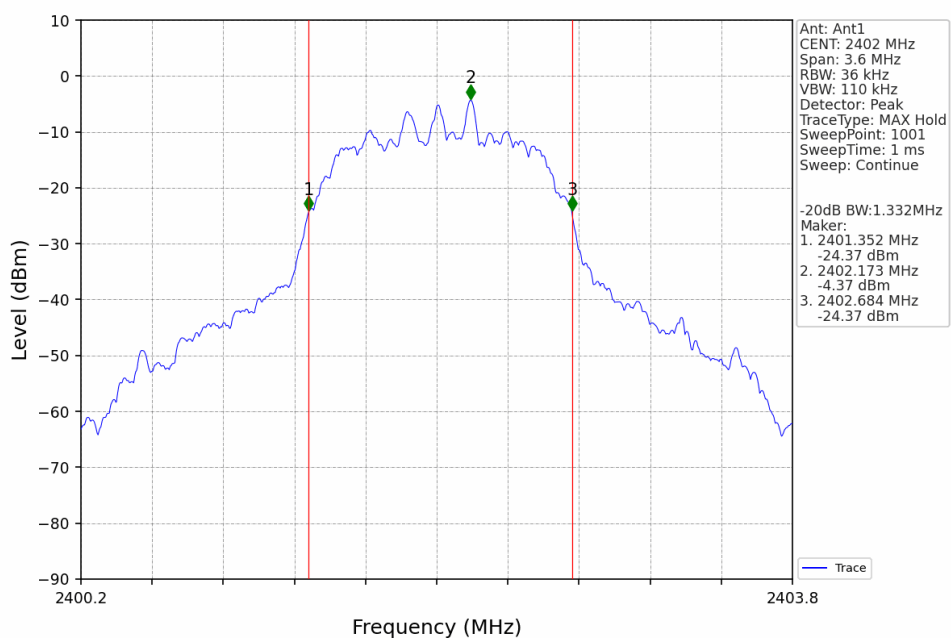
1.2.2 20dB BW



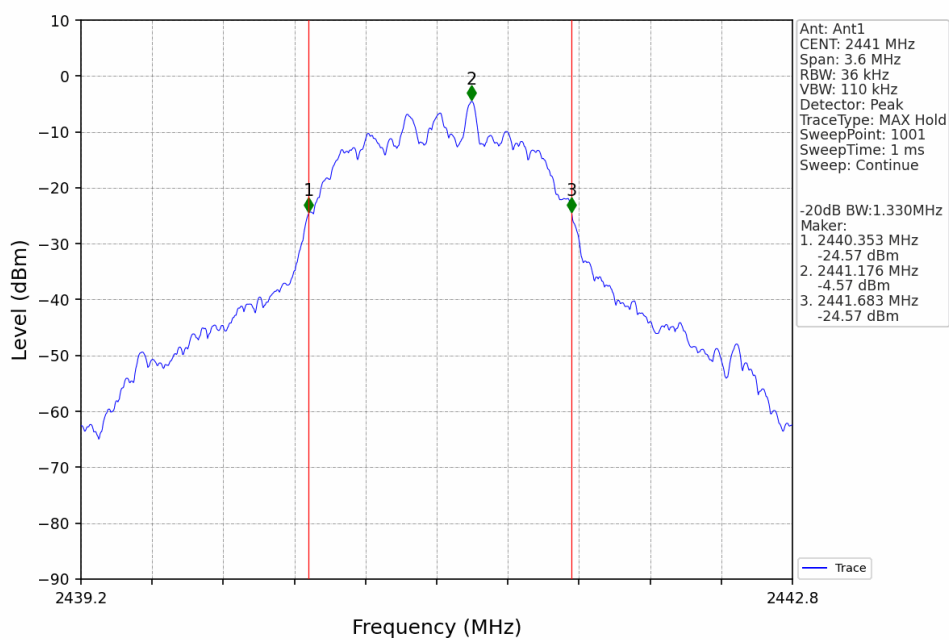
GFSK DH5 HCH 2480MHz Ant1 NTNV



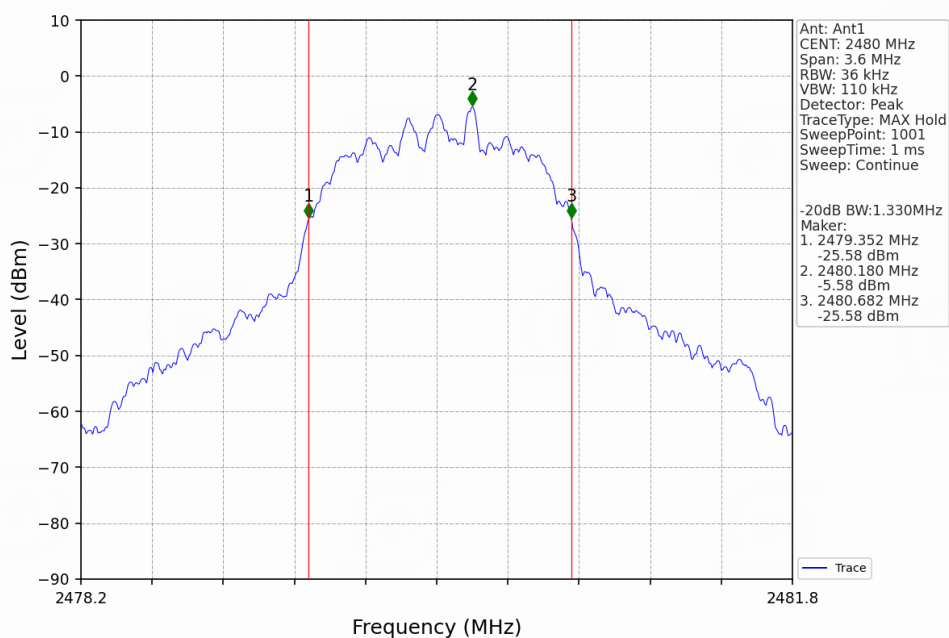
Pi/4DQPSK_2DH5_LCH 2402MHz Ant1 NTNV



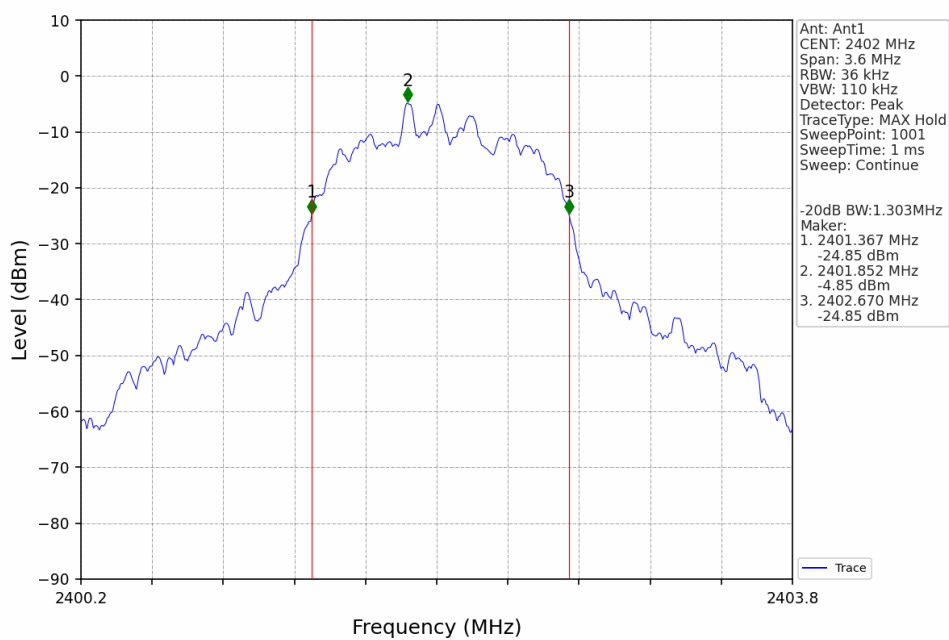
Pi/4DQPSK 2DH5 MCH 2441MHz Ant1 NTV



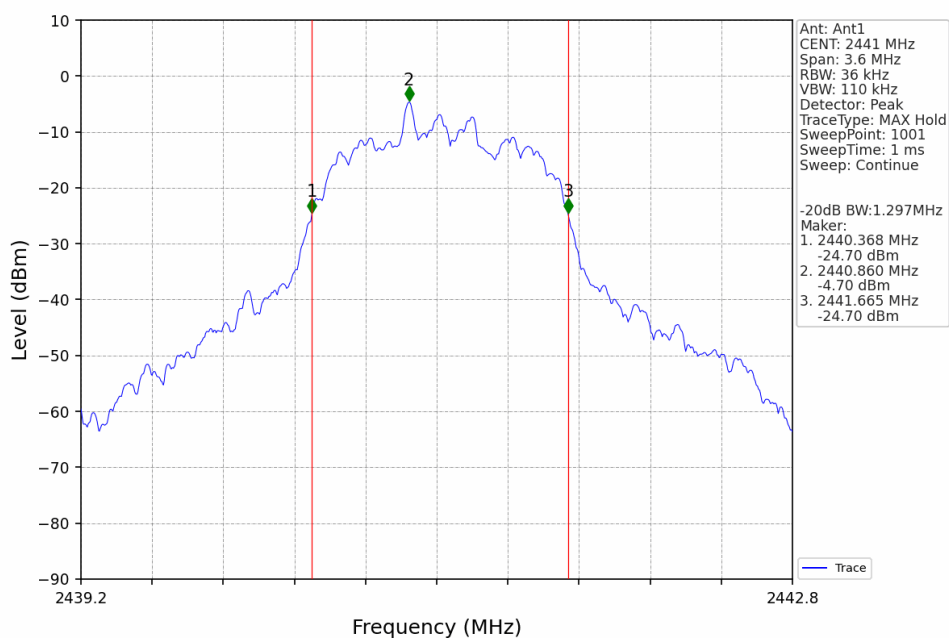
Pi/4DQPSK 2DH5 HCH 2480MHz Ant1 NTV

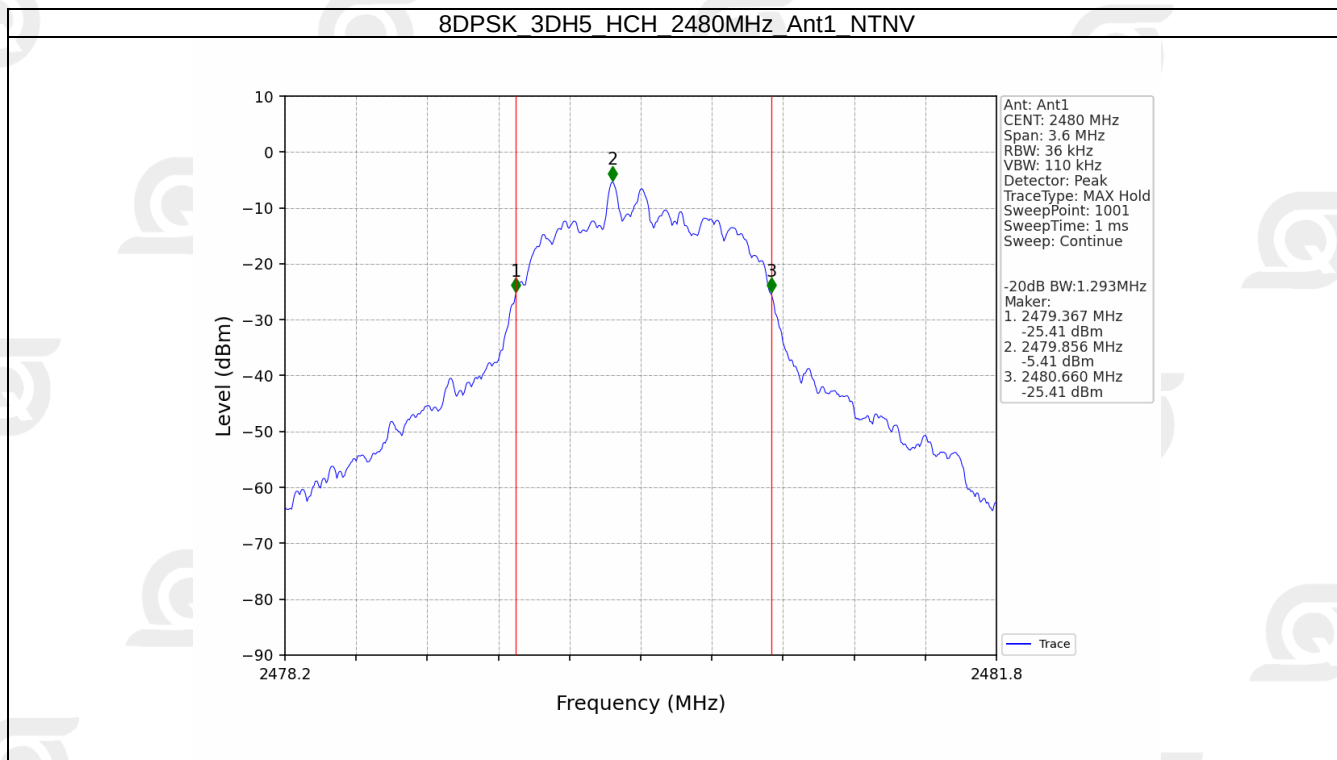


8DPSK 3DH5 LCH 2402MHz Ant1 NTN



8DPSK 3DH5 MCH 2441MHz Ant1 NTN





2. Maximum Conducted Output Power

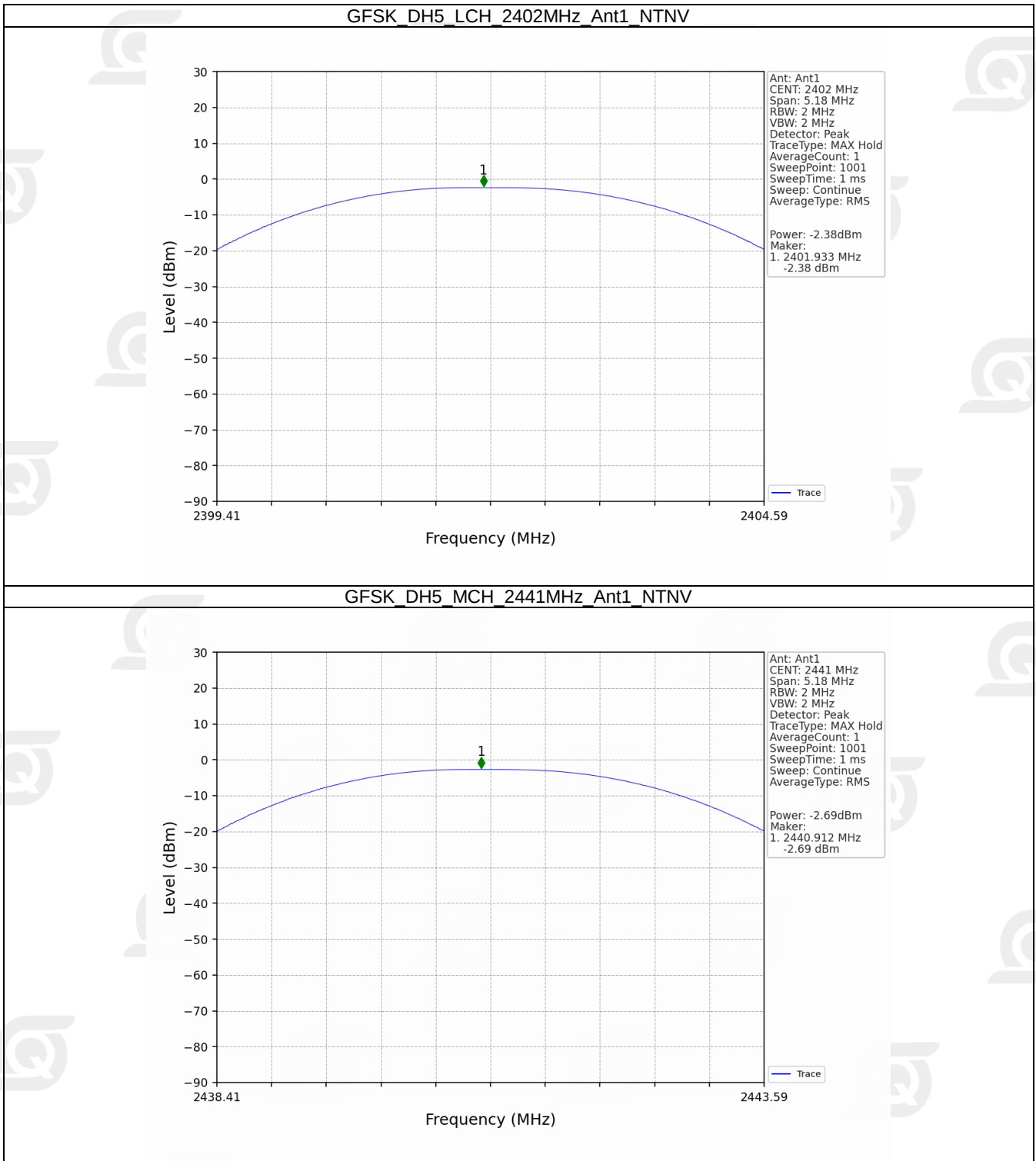
2.1 Test Result

2.1.1 Power

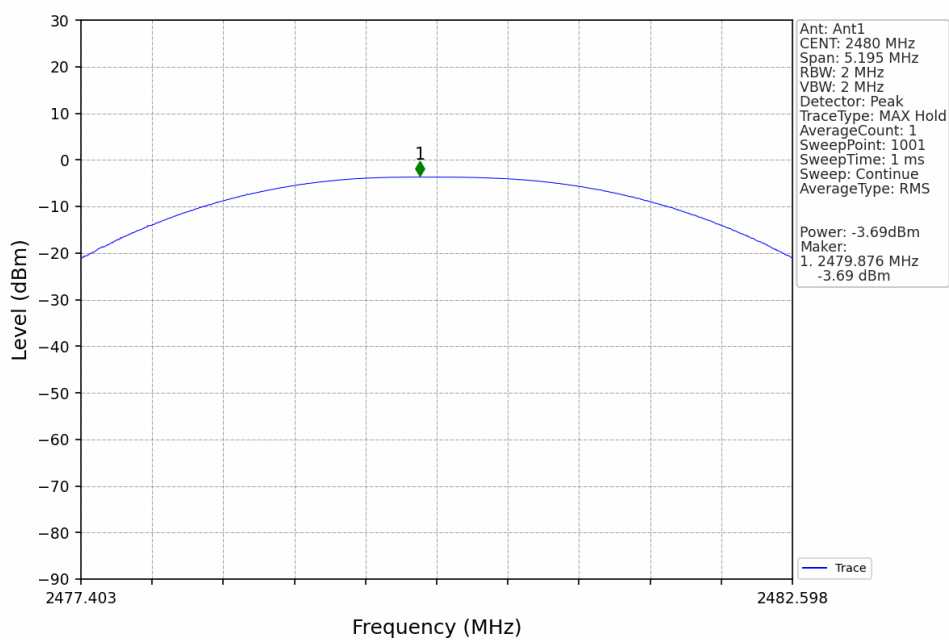
Mode	TX Type	Frequency (MHz)	Packet Type	Maximum Peak Conducted Output Power (dBm)		Verdict
				ANT1	Limit	
GFSK	SISO	2402	DH5	-2.38	<=20.97	Pass
		2441	DH5	-2.69	<=20.97	Pass
		2480	DH5	-3.69	<=20.97	Pass
Pi/4DQPSK	SISO	2402	2DH5	-1.52	<=20.97	Pass
		2441	2DH5	-1.83	<=20.97	Pass
		2480	2DH5	-2.73	<=20.97	Pass
8DPSK	SISO	2402	3DH5	-1.16	<=20.97	Pass
		2441	3DH5	-1.45	<=20.97	Pass
		2480	3DH5	-2.35	<=20.97	Pass

2.2 Test Graph

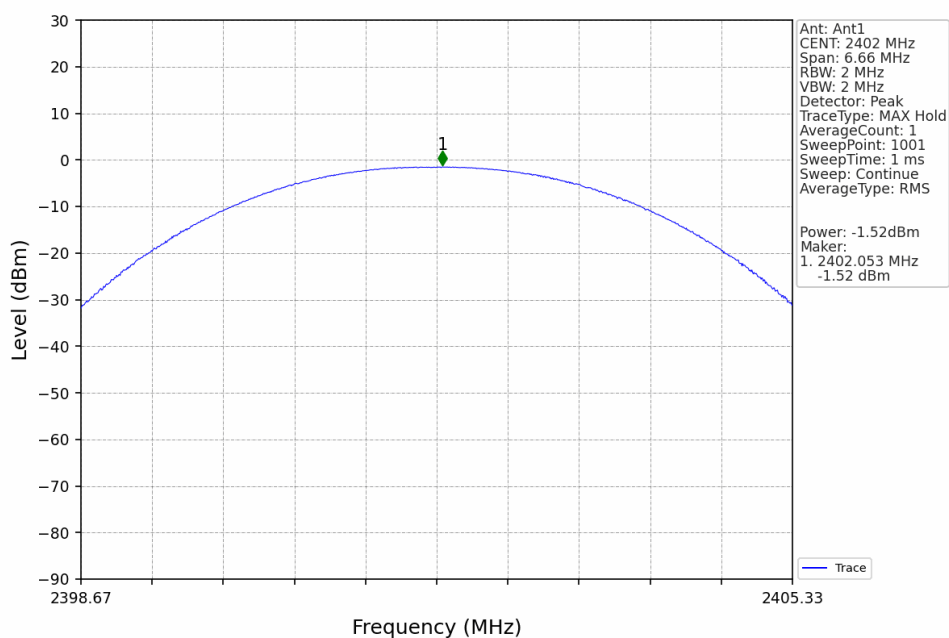
2.2.1 Power



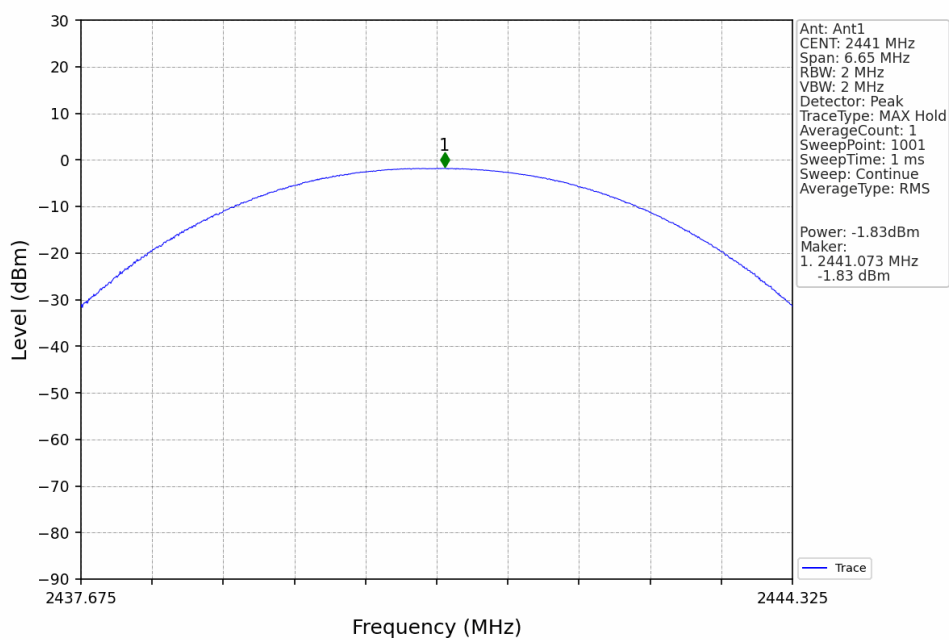
GFSK DH5 HCH 2480MHz Ant1 NTV



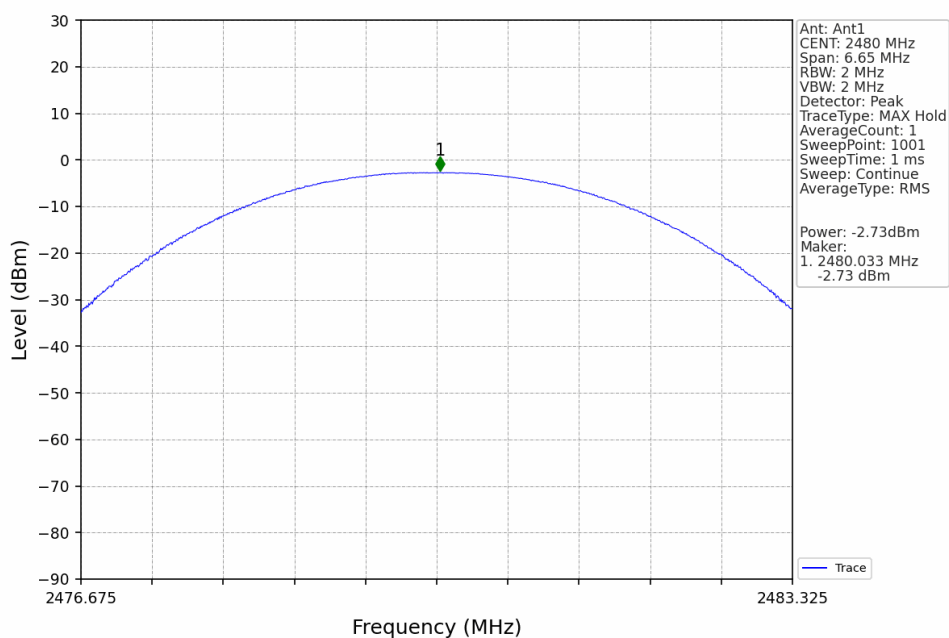
Pi/4DQPSK 2DH5 LCH 2402MHz Ant1 NTV



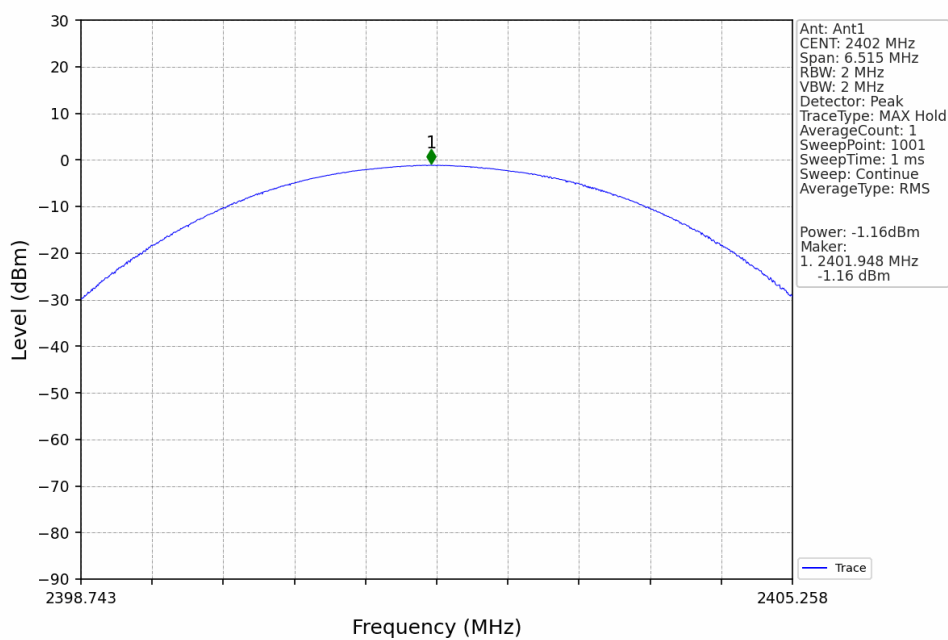
Pi/4DQPSK 2DH5 MCH 2441MHz Ant1 NTV



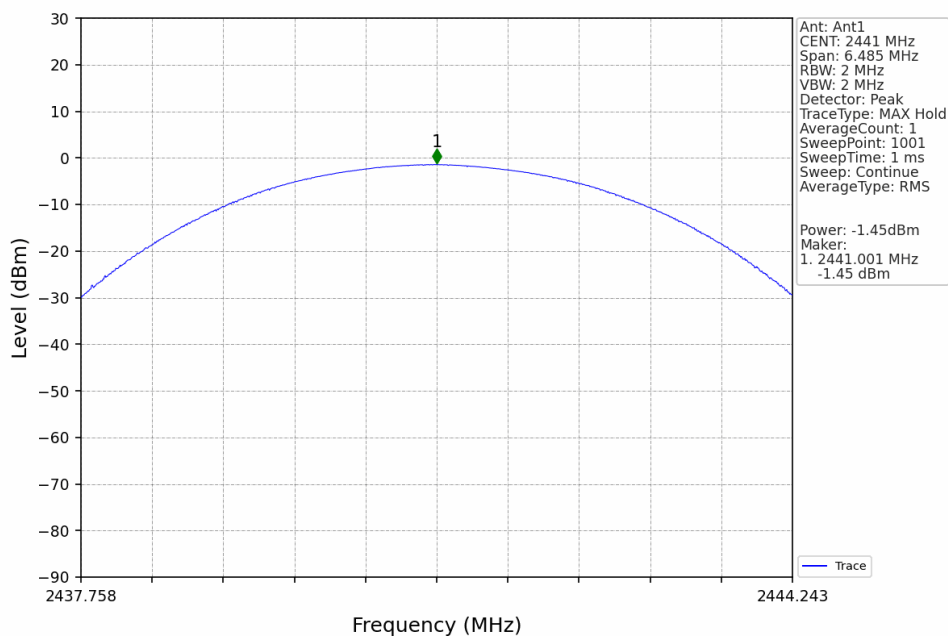
Pi/4DQPSK 2DH5 HCH 2480MHz Ant1 NTV

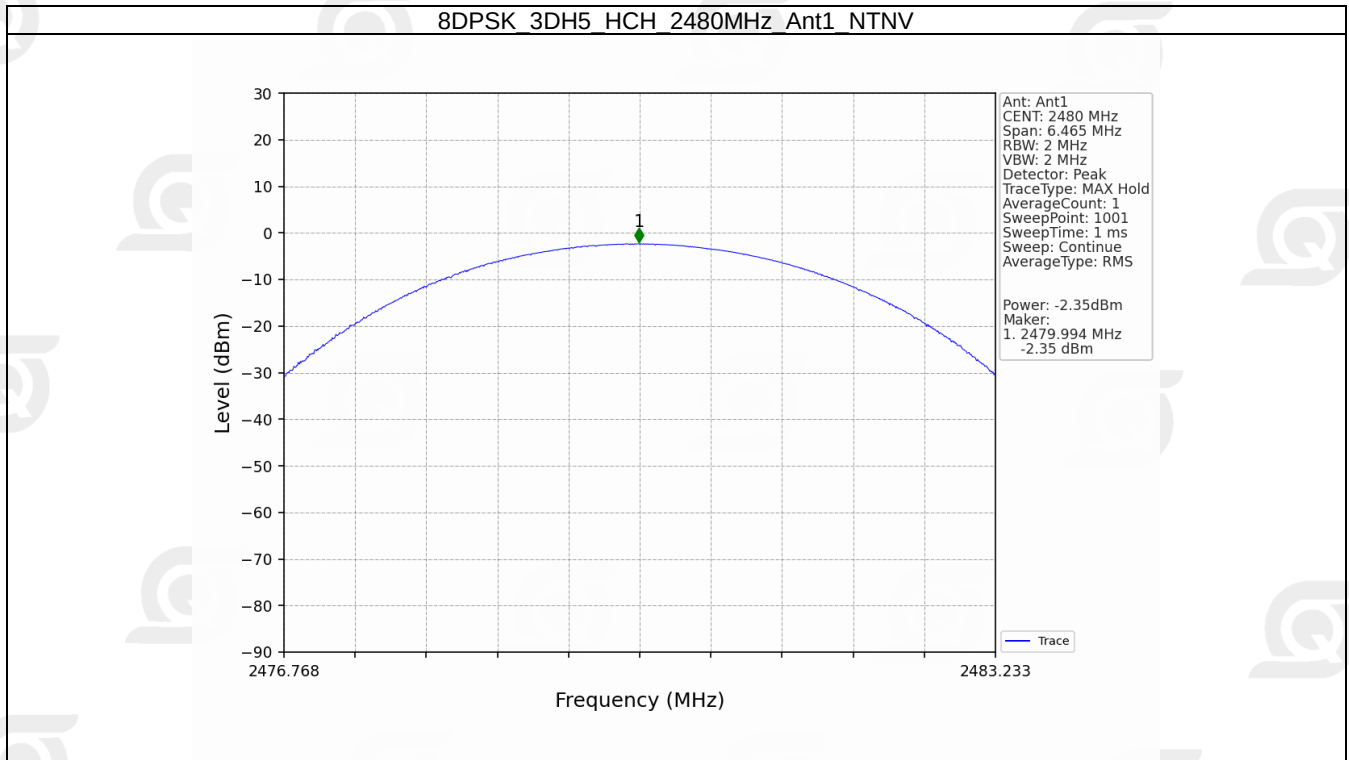


8DPSK 3DH5 LCH 2402MHz Ant1 NTN



8DPSK 3DH5 MCH 2441MHz Ant1 NTN





3. Carrier Frequency Separation

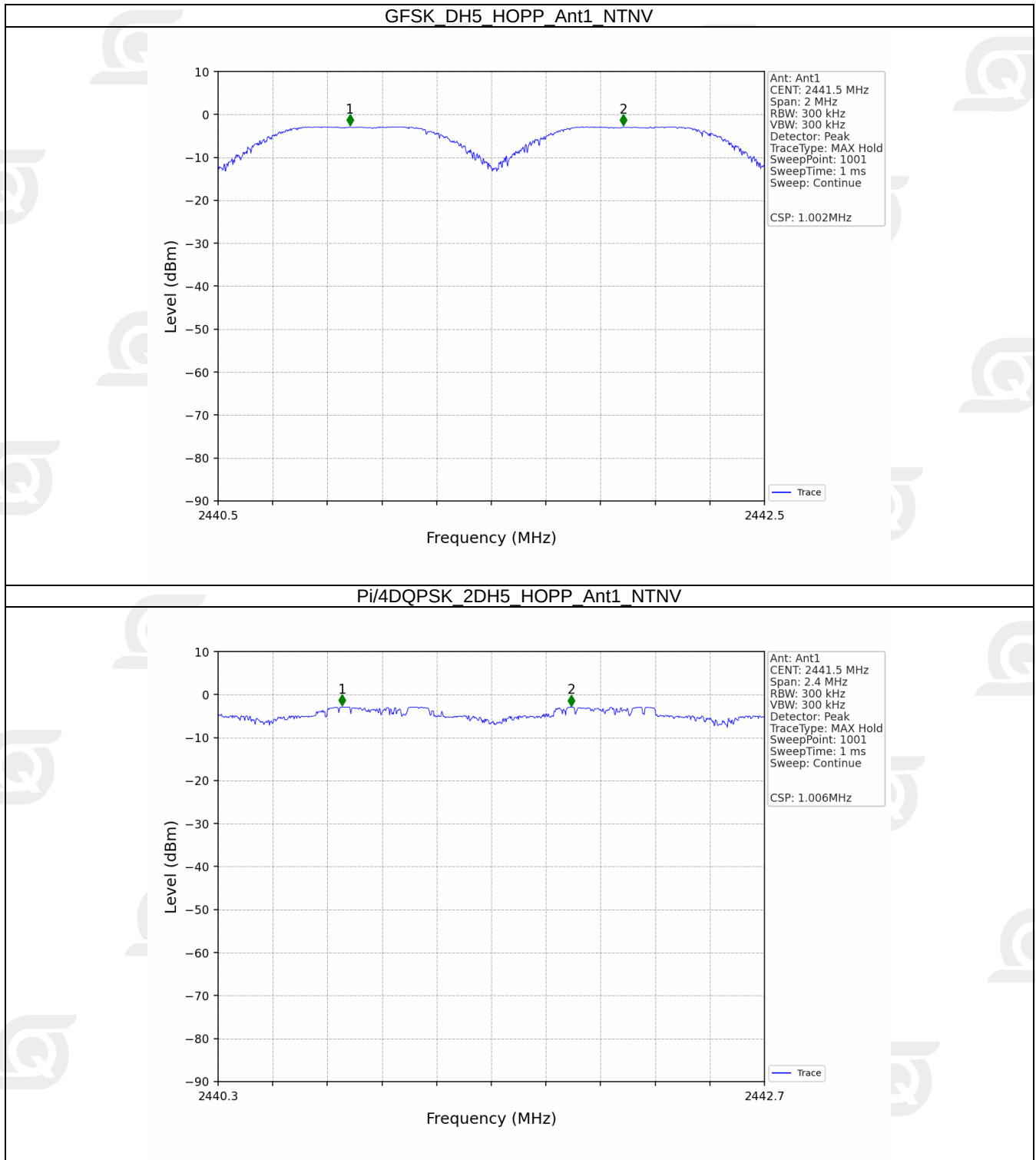
3.1 Test Result

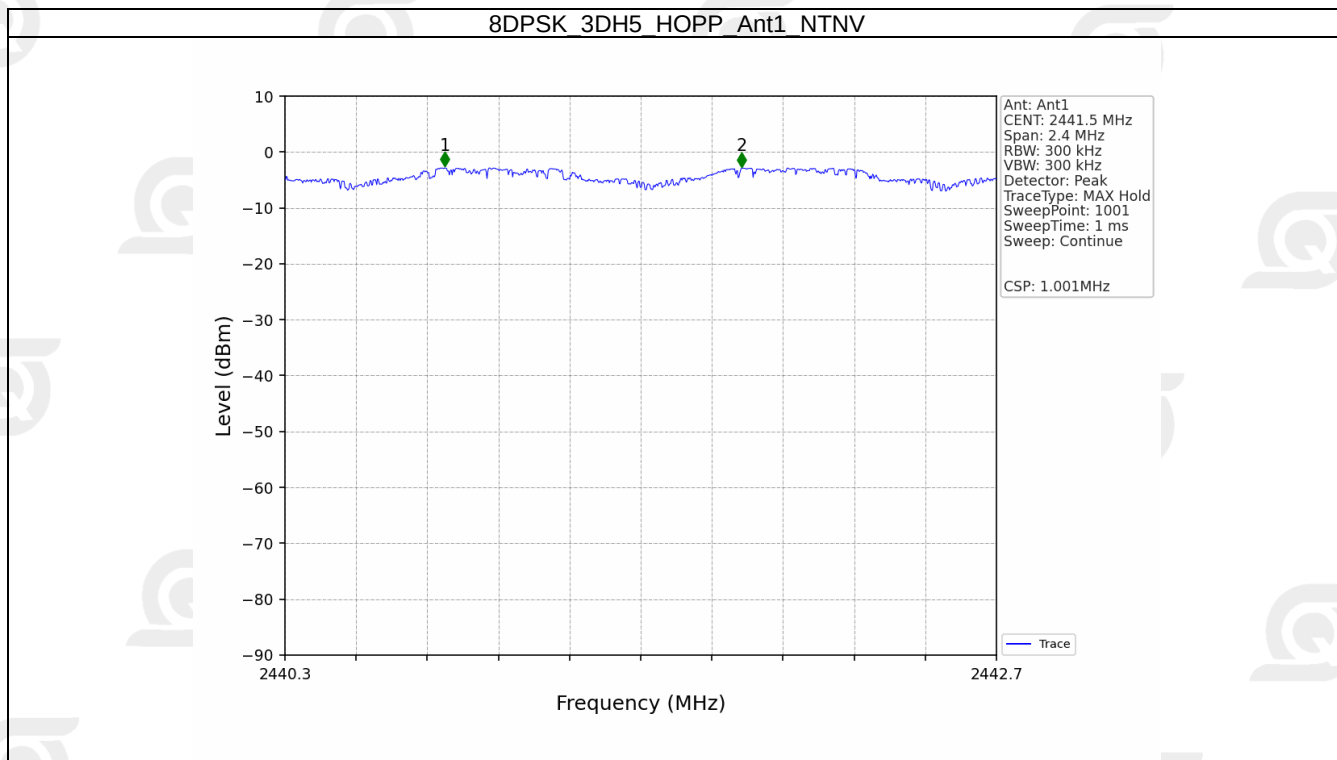
3.1.1 Ant1

Ant1							
Mode	TX Type	Frequency (MHz)	Packet Type	Channel Separation (MHz)	20dB Bandwidth (MHz)	Limit (MHz)	Verdict
GFSK	SISO	HOPP	DH5	1.002	1.039	≥ 0.693	Pass
Pi/4DQPSK	SISO	HOPP	2DH5	1.006	1.332	≥ 0.888	Pass
8DPSK	SISO	HOPP	3DH5	1.001	1.303	≥ 0.869	Pass

3.2 Test Graph

3.2.1 Ant1





4. Number of Hopping Frequencies

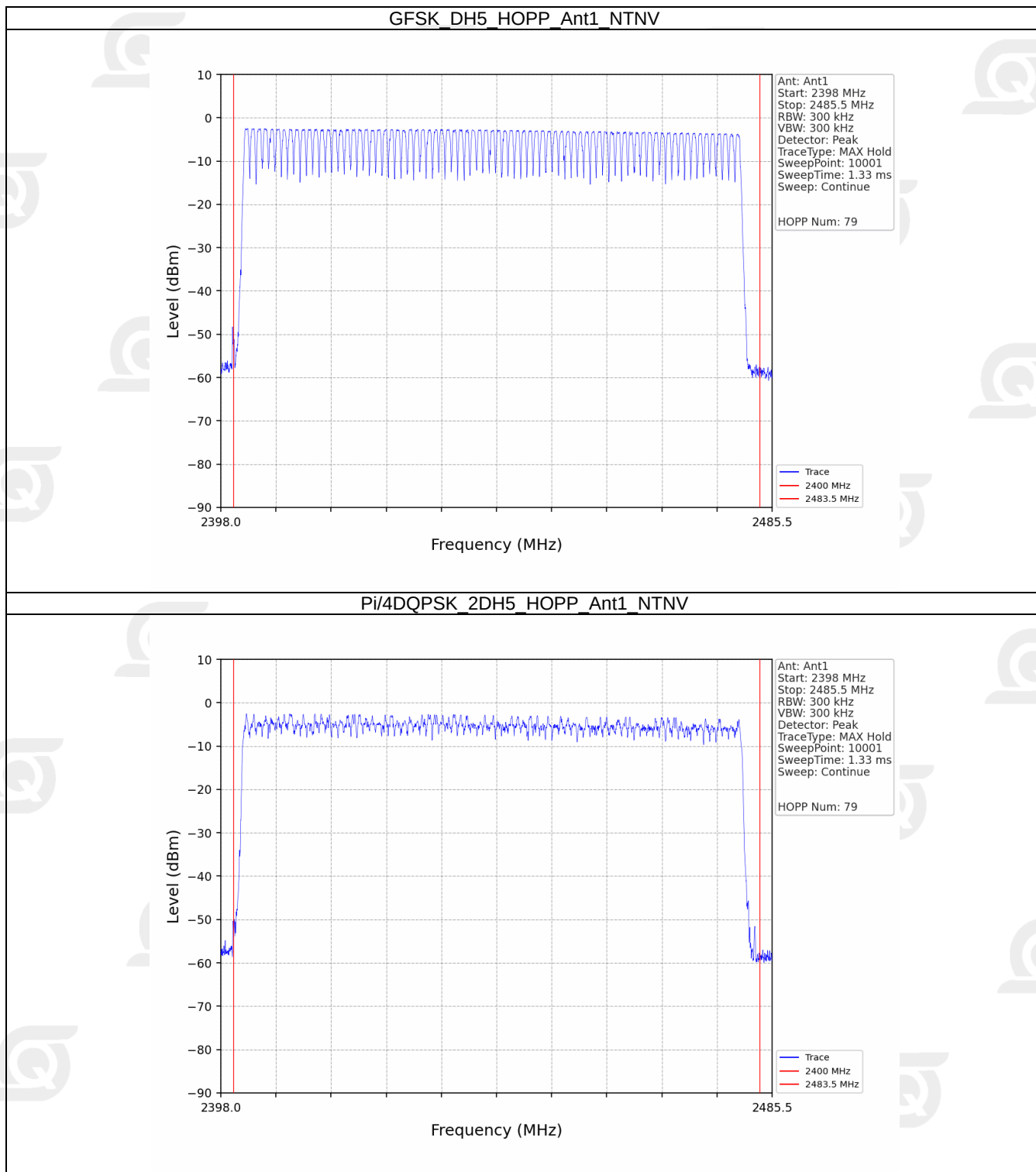
4.1 Test Result

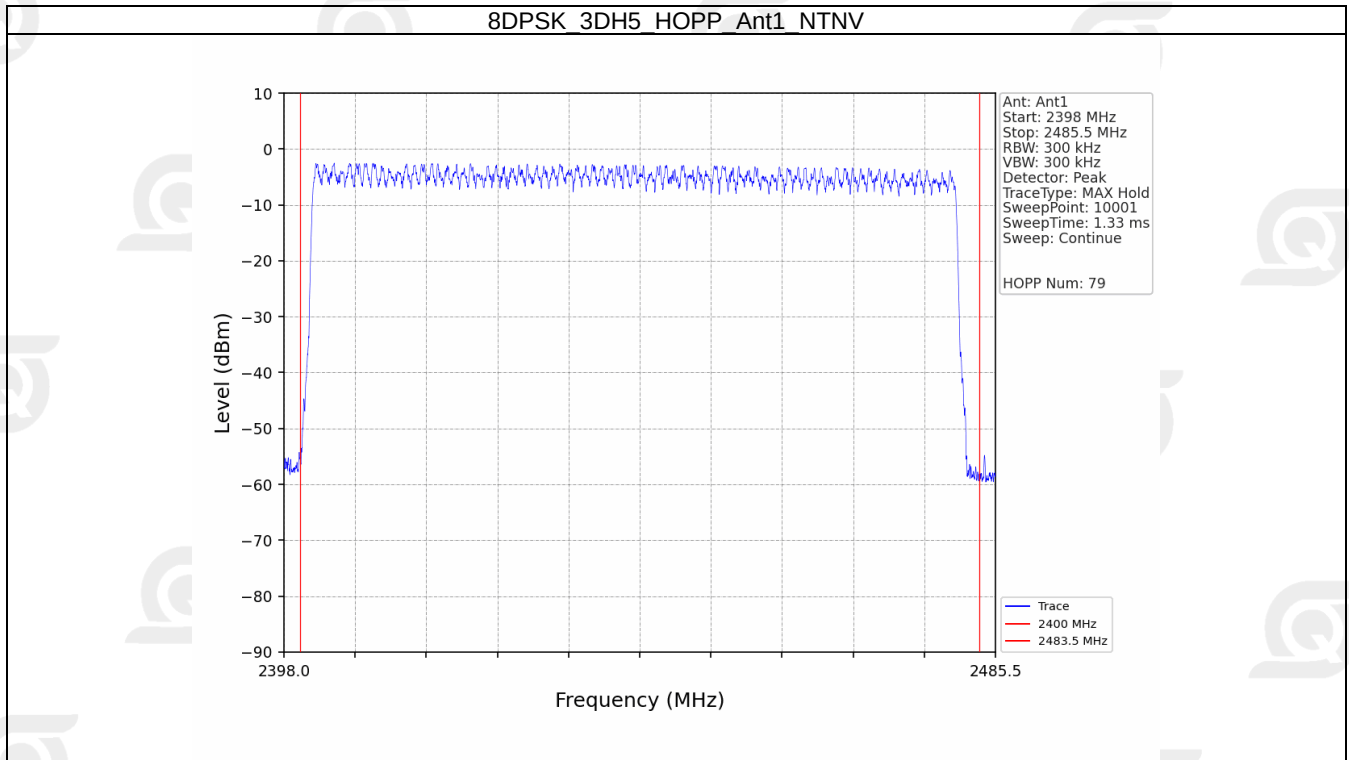
4.1.1 HoppNum

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

4.2 Test Graph

4.2.1 HoppNum





5. Time of Occupancy (Dwell Time)

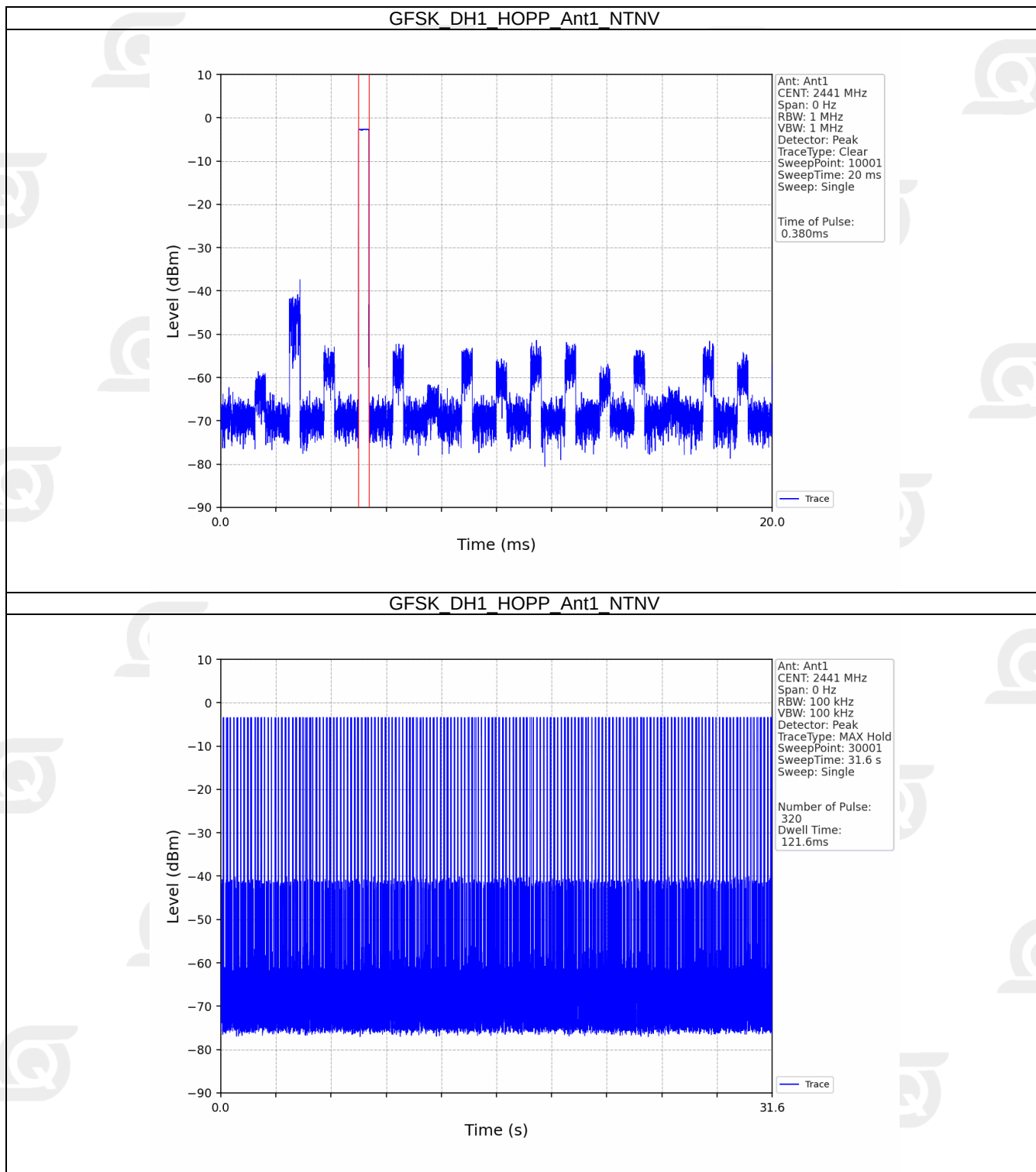
5.1 Test Result

5.1.1 Ant1

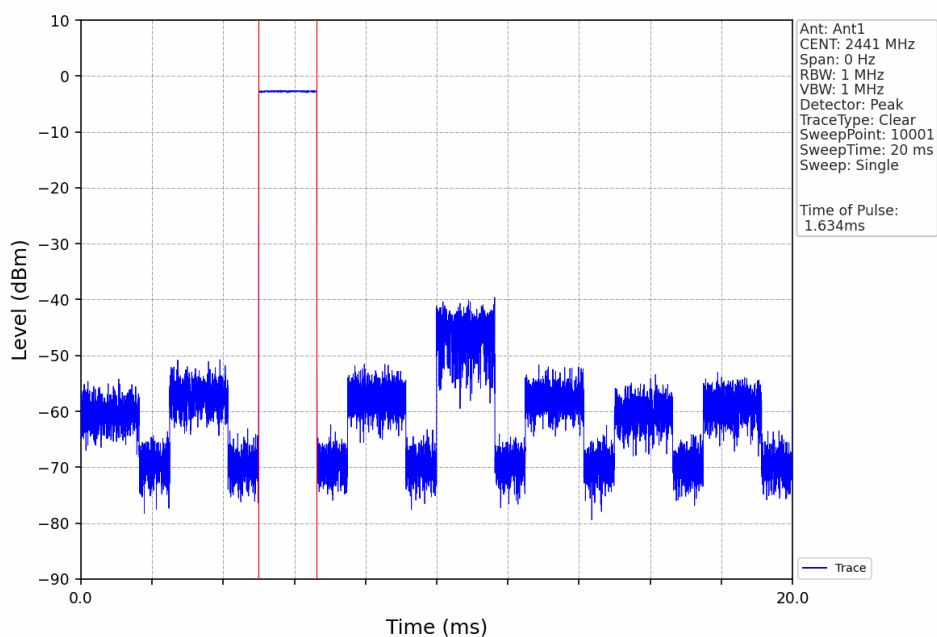
Ant1									
Mode	TX Type	Frequency (MHz)	Packet Type	Duration of Single Pulse (ms)	Observation Period (s)	Num of Pulse in Observation Period	Dwell Time (ms)	Limit (ms)	Verdict
GFSK	SISO	HOPP	DH1	0.380	31.600	320	121.600	<=400	Pass
			DH3	1.634	31.600	156	254.904	<=400	Pass
			DH5	2.888	31.600	107	309.016	<=400	Pass
Pi/4DQPSK	SISO	HOPP	2DH1	0.388	31.600	318	123.384	<=400	Pass
			2DH3	1.648	31.600	160	263.680	<=400	Pass
			2DH5	2.896	31.600	118	341.728	<=400	Pass
8DPSK	SISO	HOPP	3DH1	0.396	31.600	318	125.928	<=400	Pass
			3DH3	1.646	31.600	162	266.652	<=400	Pass
			3DH5	2.896	31.600	99	286.704	<=400	Pass

5.2 Test Graph

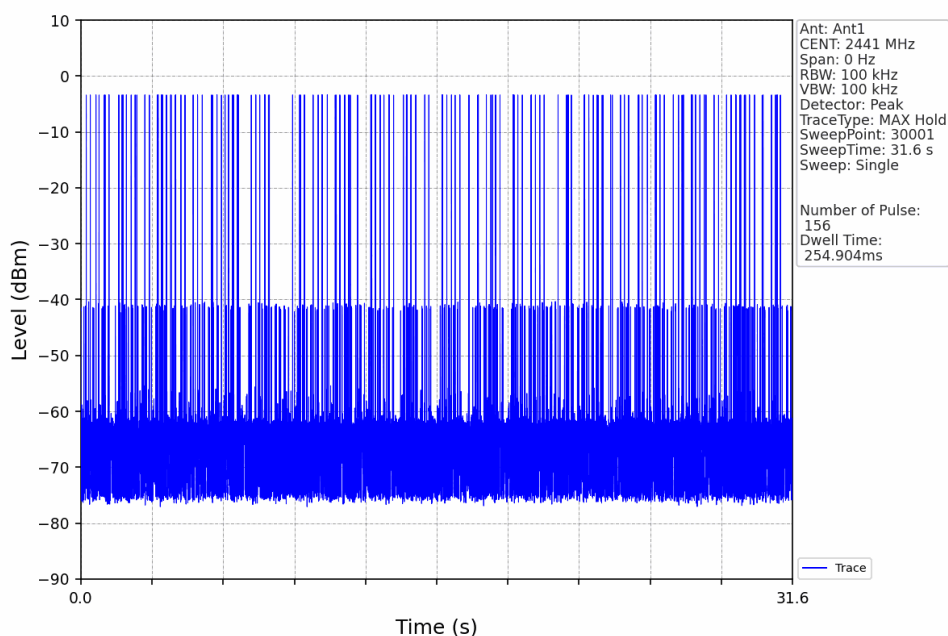
5.2.1 Ant1



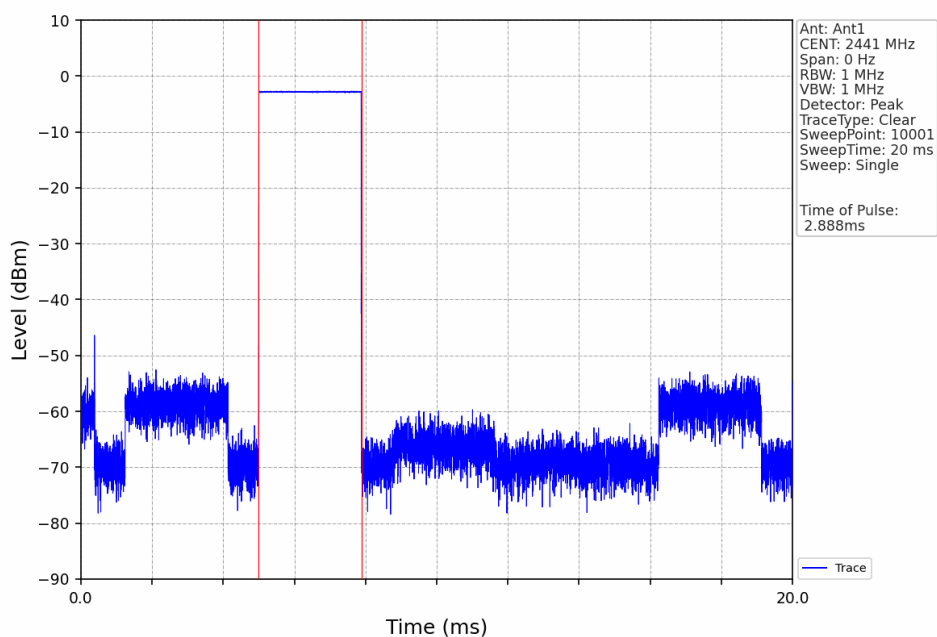
GFSK DH3 HOPP Ant1 NTV



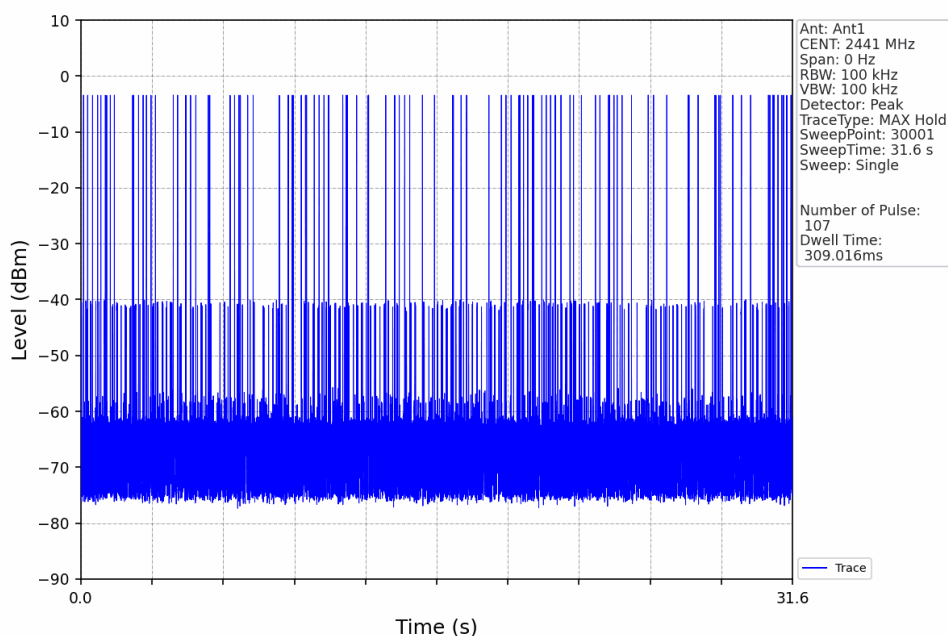
GFSK DH3 HOPP Ant1 NTV



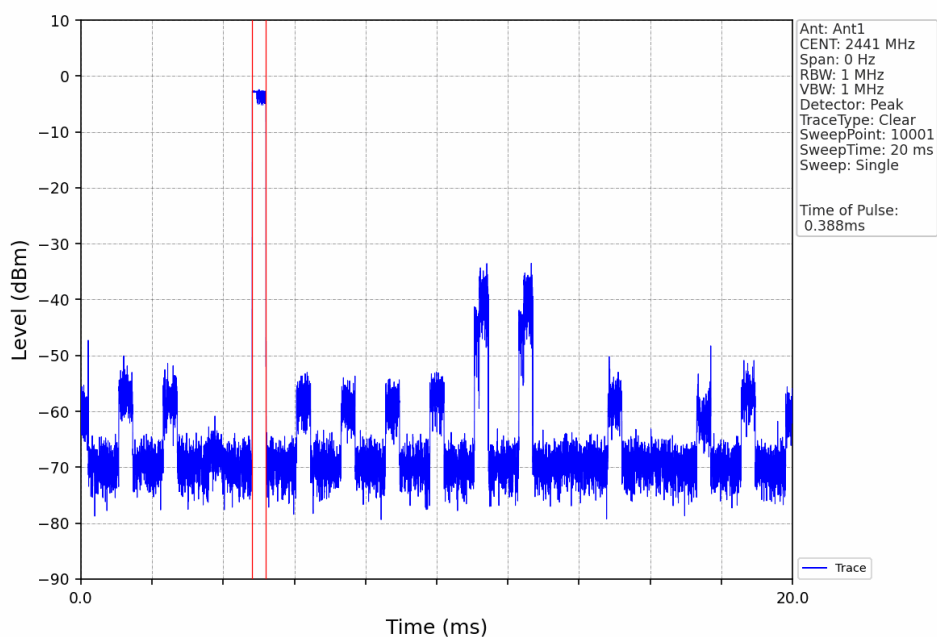
GFSK DH5 HOPP Ant1 NTV



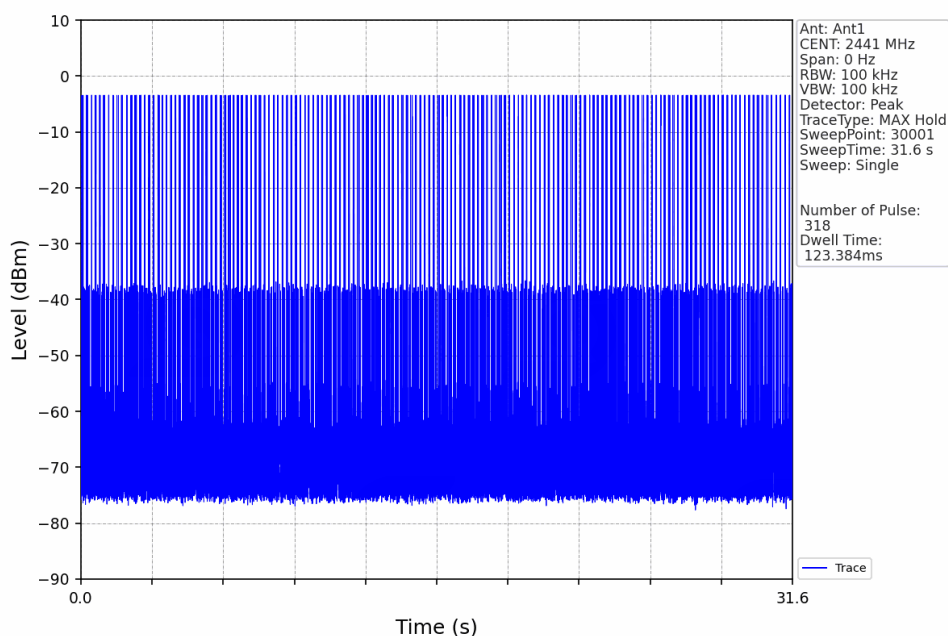
GFSK DH5 HOPP Ant1 NTV



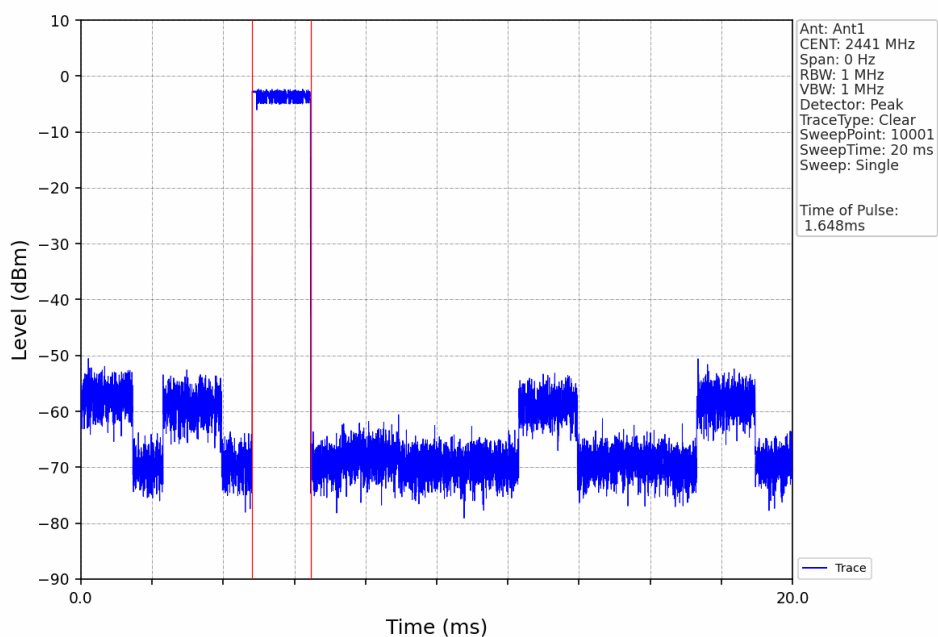
Pi/4DQPSK_2DH1_HOPP_Ant1_NTNV



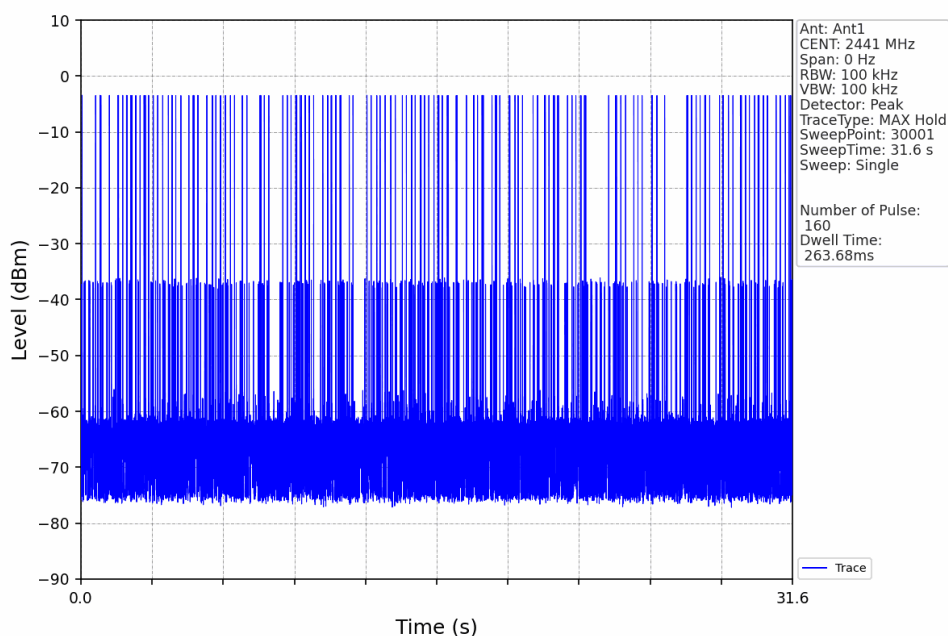
Pi/4DQPSK_2DH1_HOPP_Ant1_NTNV



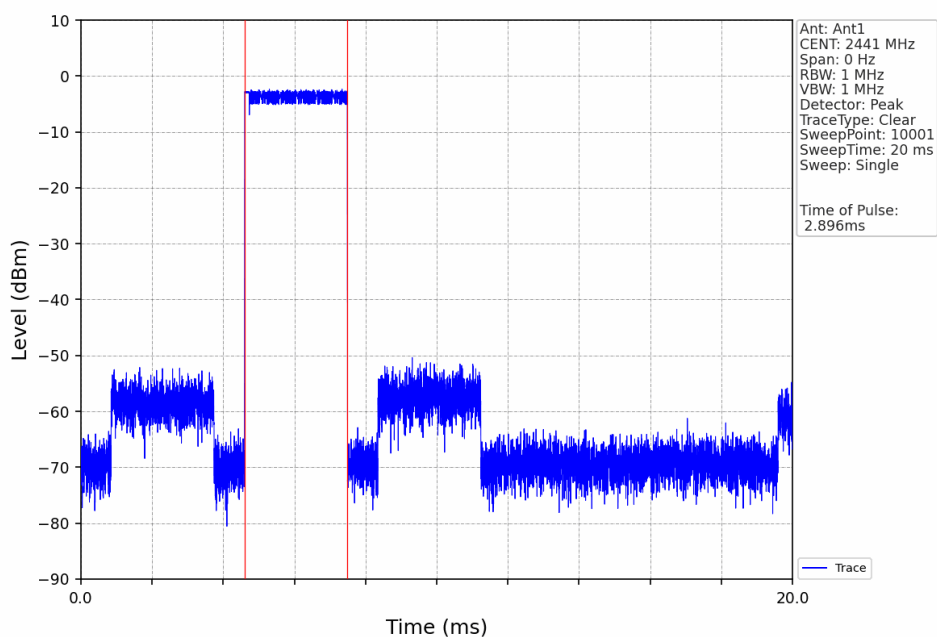
Pi/4DQPSK 2DH3 HOPP Ant1 NTN



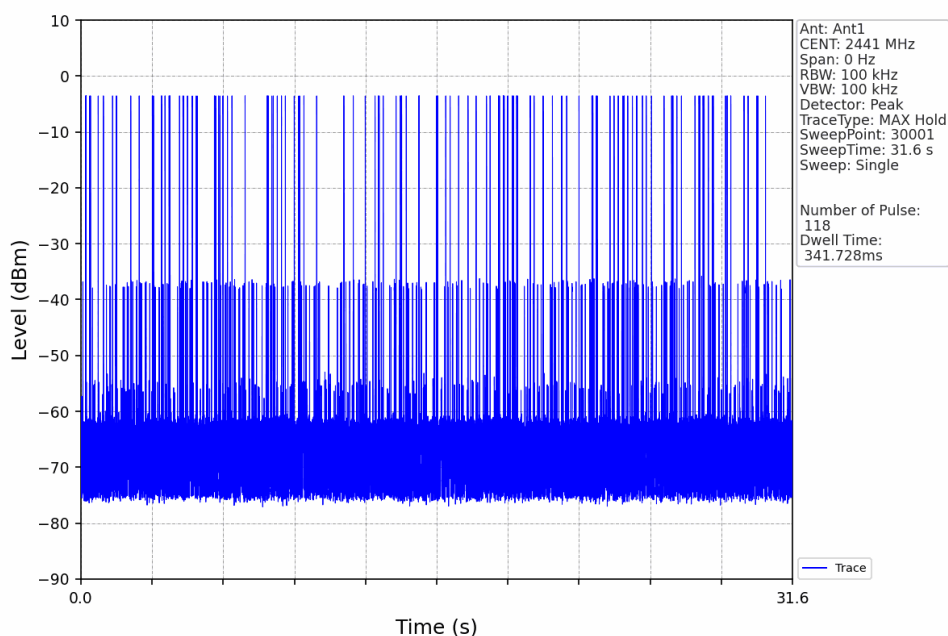
Pi/4DQPSK 2DH3 HOPP Ant1 NTN



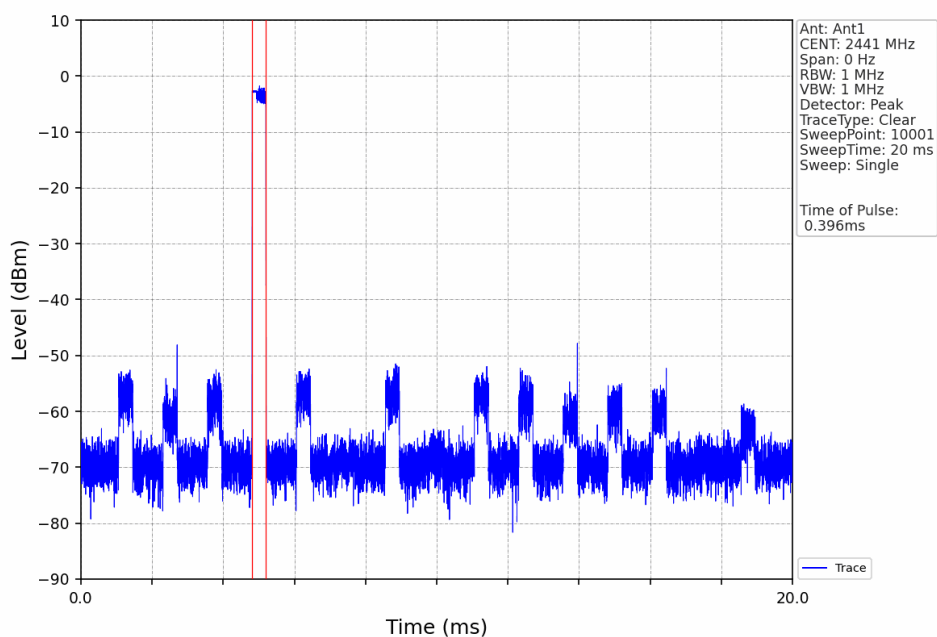
Pi/4DQPSK 2DH5 HOPP Ant1 NTN



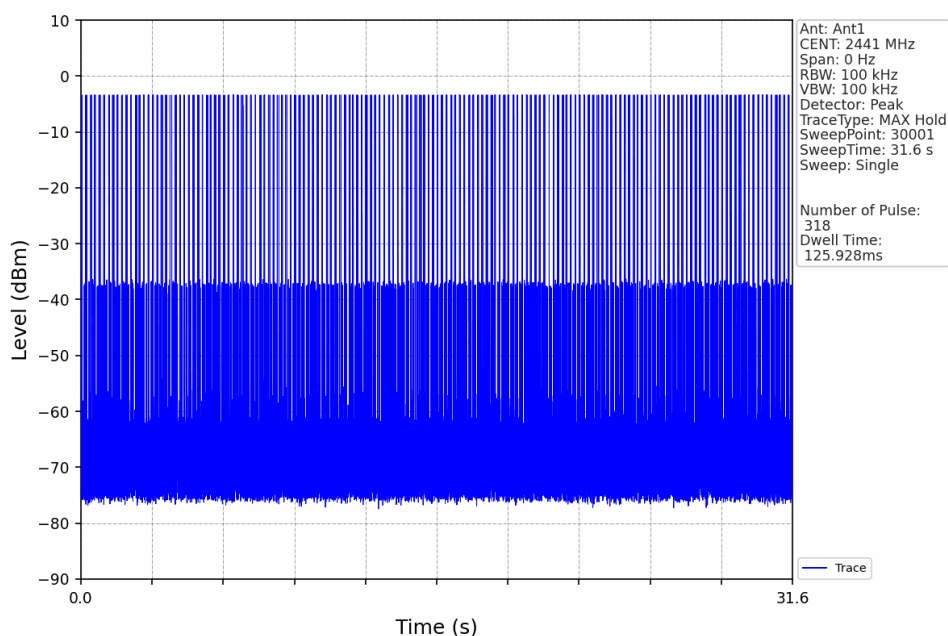
Pi/4DQPSK 2DH5 HOPP Ant1 NTN



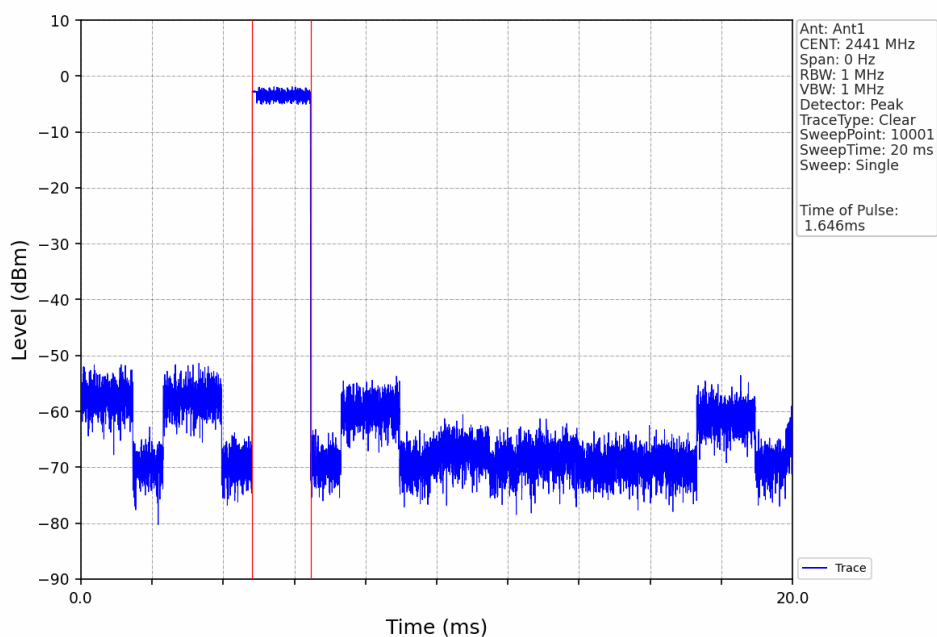
8DPSK 3DH1 HOPP Ant1 NTN



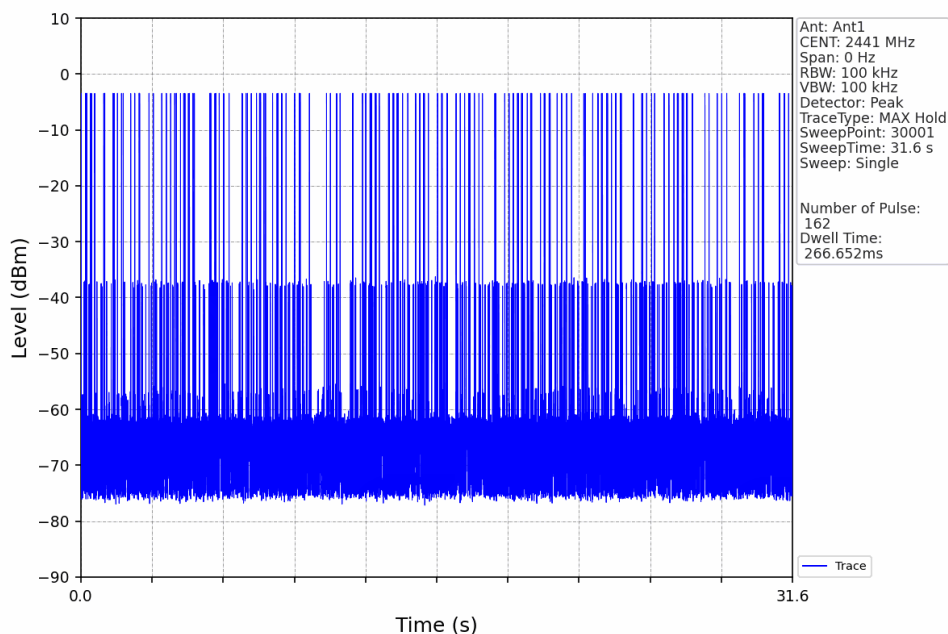
8DPSK 3DH1 HOPP Ant1 NTN



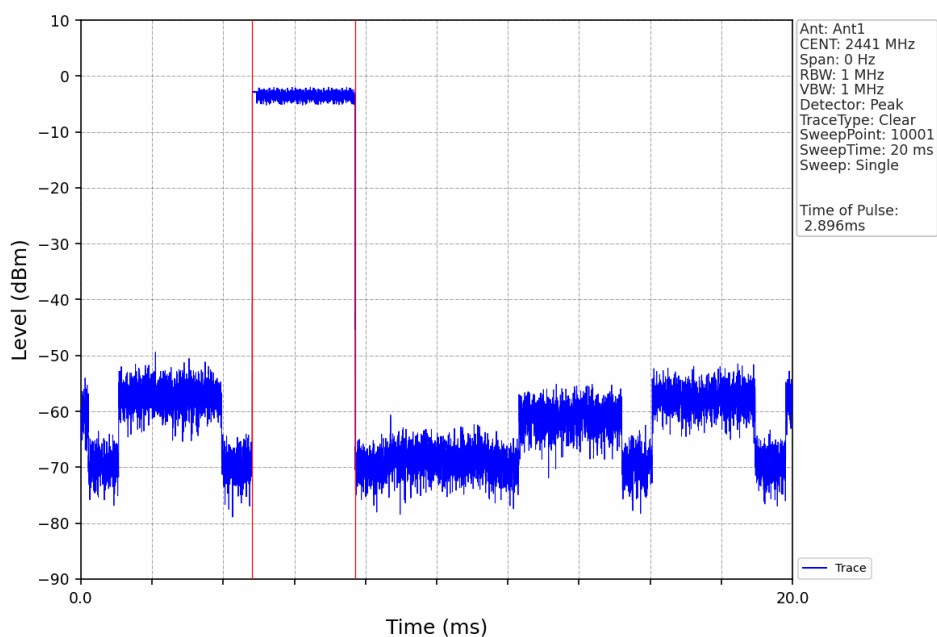
8DPSK 3DH3 HOPP Ant1 NTN



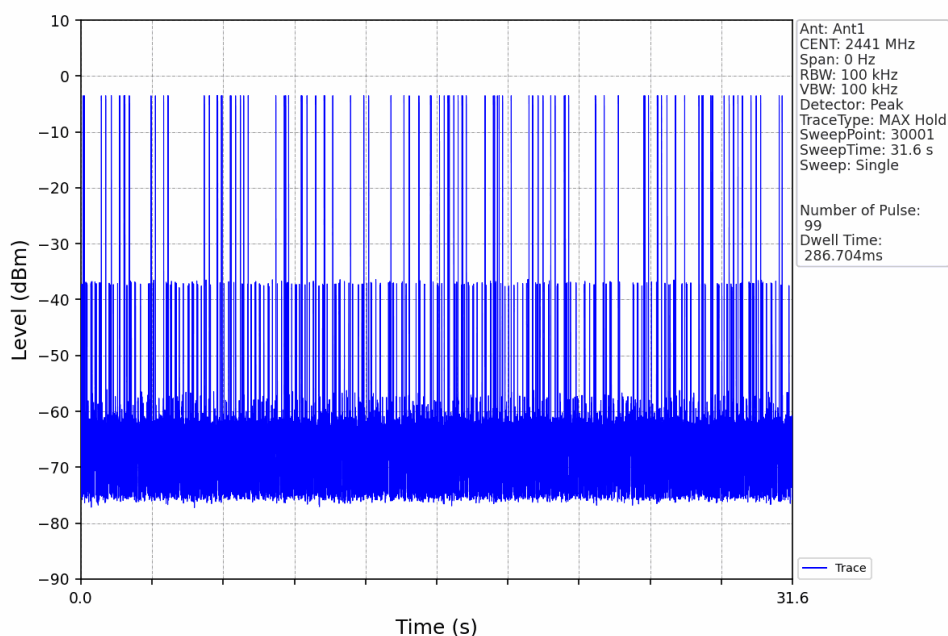
8DPSK 3DH3 HOPP Ant1 NTN



8DPSK 3DH5 HOPP Ant1 NTV



8DPSK 3DH5 HOPP Ant1 NTV



6. Unwanted Emissions In Non-restricted Frequency Bands

6.1 Test Result

6.1.1 Ref

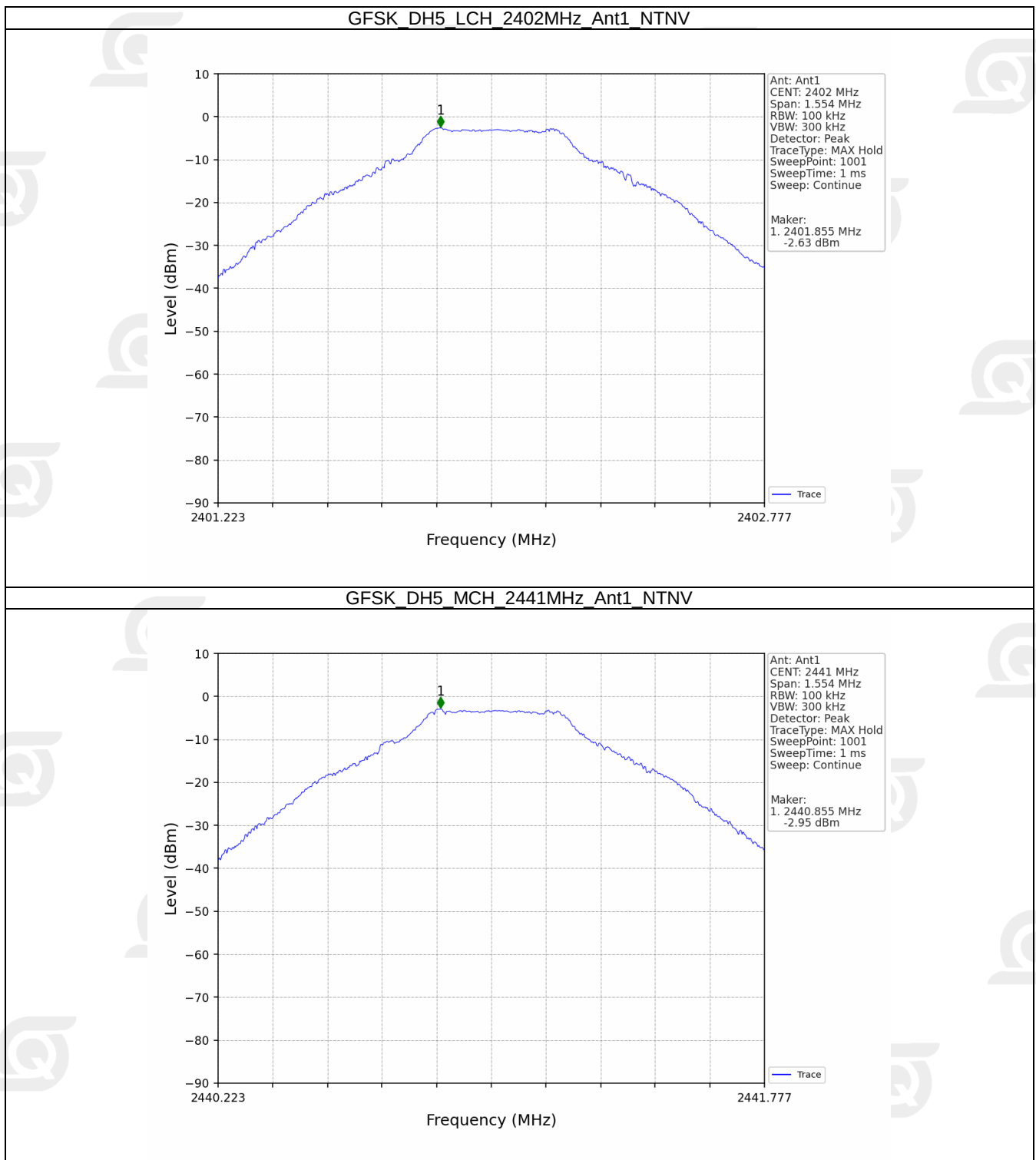
Mode	TX Type	Frequency (MHz)	Packet Type	ANT	Level of Reference (dBm)
GFSK	SISO	2402	DH5	1	-2.63
		2441	DH5	1	-2.95
		2480	DH5	1	-3.96
		HOPP	DH5	1	-2.70
					-2.70
Pi/4DQPSK	SISO	2402	2DH5	1	-2.65
		2441	2DH5	1	-2.97
		2480	2DH5	1	-3.87
		HOPP	2DH5	1	-2.78
					-2.78
8DPSK	SISO	2402	3DH5	1	-2.59
		2441	3DH5	1	-2.90
		2480	3DH5	1	-3.81
		HOPP	3DH5	1	-2.75
					-2.75

6.1.2 CSE

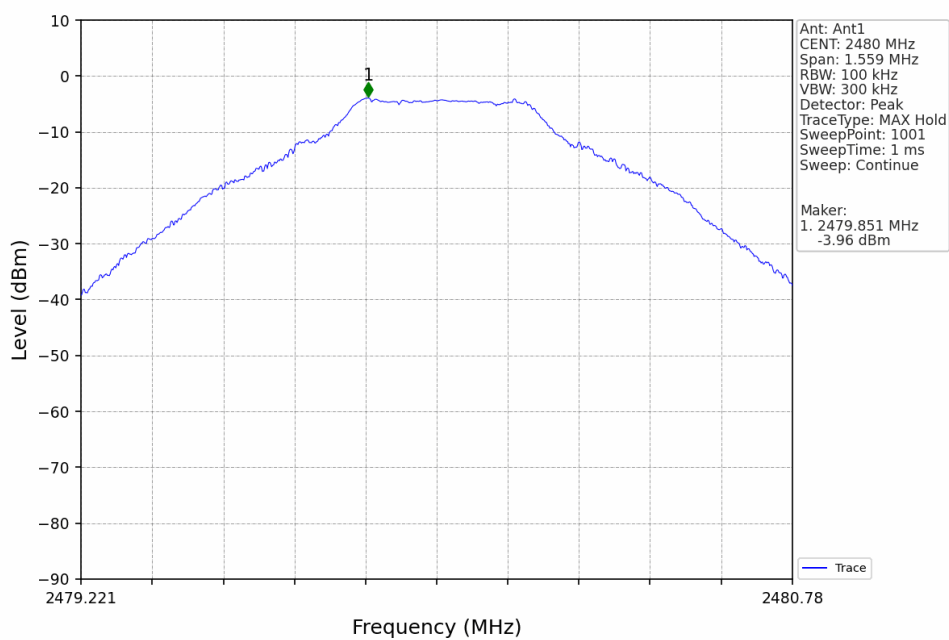
Mode	TX Type	Frequency (MHz)	Packet Type	ANT	Level of Reference (dBm)	Limit (dBm)	Verdict
GFSK	SISO	2402	DH5	1	-2.63	-22.63	Pass
		2441	DH5	1	-2.95	-22.95	Pass
		2480	DH5	1	-3.96	-23.96	Pass
		HOPP	DH5	1	-2.70	-22.70	Pass
					-2.70	-22.70	Pass
Pi/4DQPSK	SISO	2402	2DH5	1	-2.65	-22.65	Pass
		2441	2DH5	1	-2.97	-22.97	Pass
		2480	2DH5	1	-3.87	-23.87	Pass
		HOPP	2DH5	1	-2.78	-22.78	Pass
					-2.78	-22.78	Pass
8DPSK	SISO	2402	3DH5	1	-2.59	-22.59	Pass
		2441	3DH5	1	-2.90	-22.90	Pass
		2480	3DH5	1	-3.81	-23.81	Pass
		HOPP	3DH5	1	-2.75	-22.75	Pass
					-2.75	-22.75	Pass

6.2 Test Graph

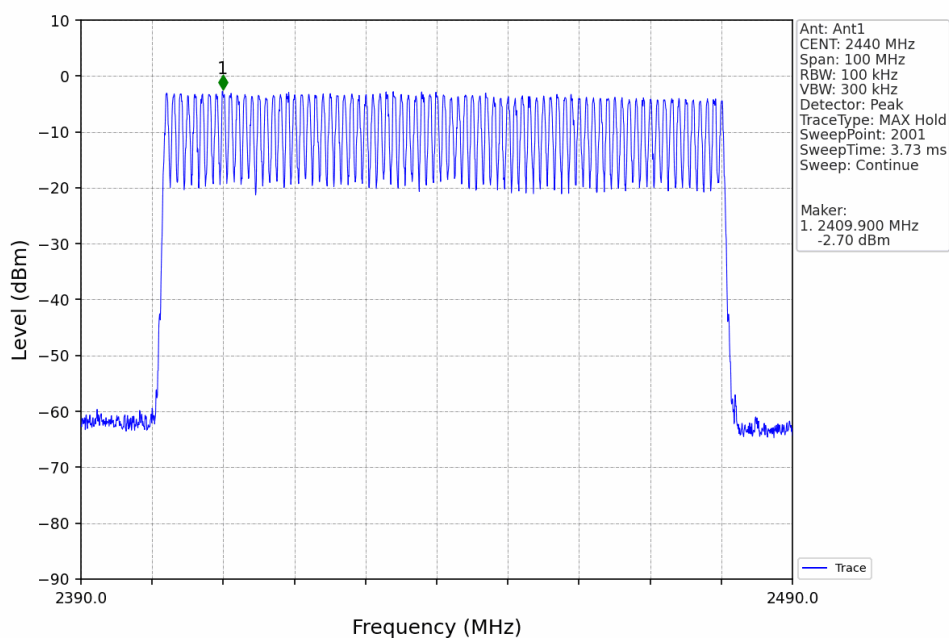
6.2.1 Ref



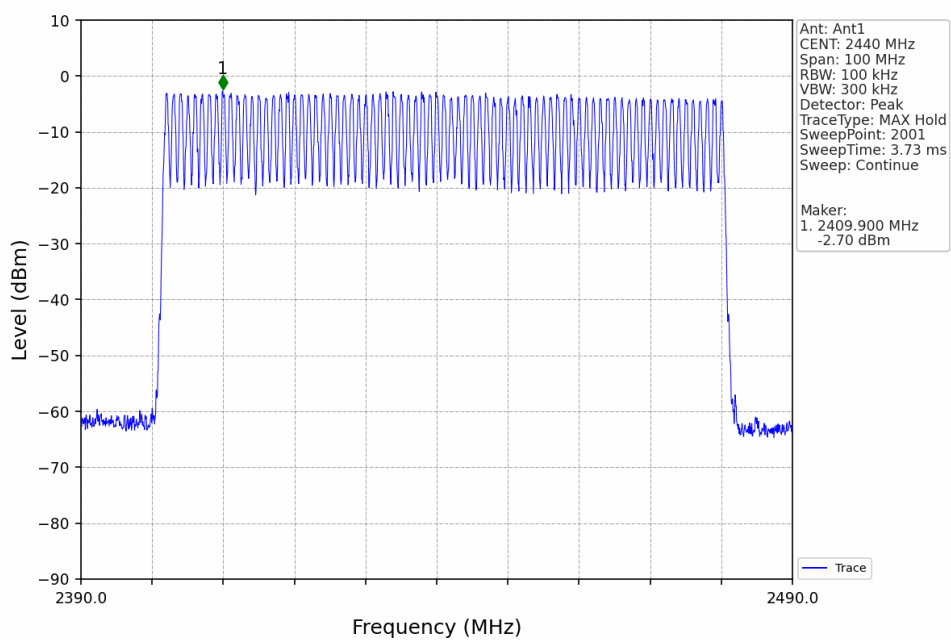
GFSK DH5 HCH 2480MHz Ant1 NTV



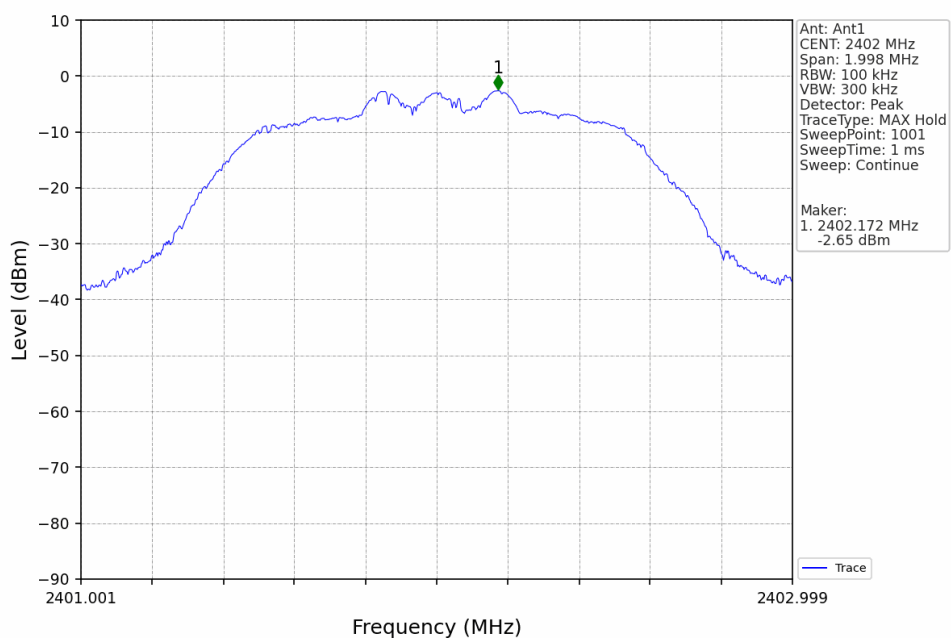
GFSK DH5 HOPP Ant1 NTV



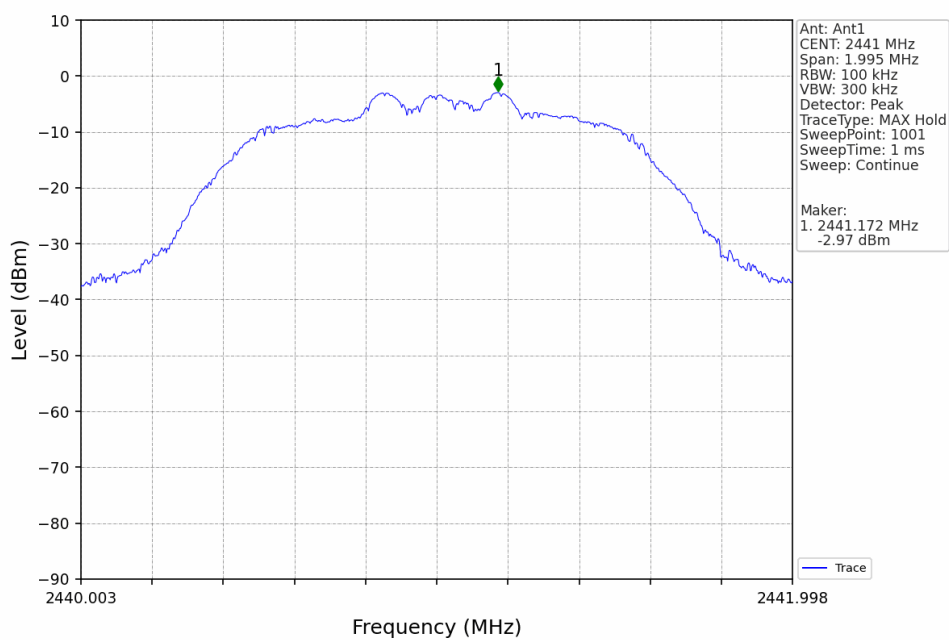
GFSK DH5 HOPP Ant1 NTN



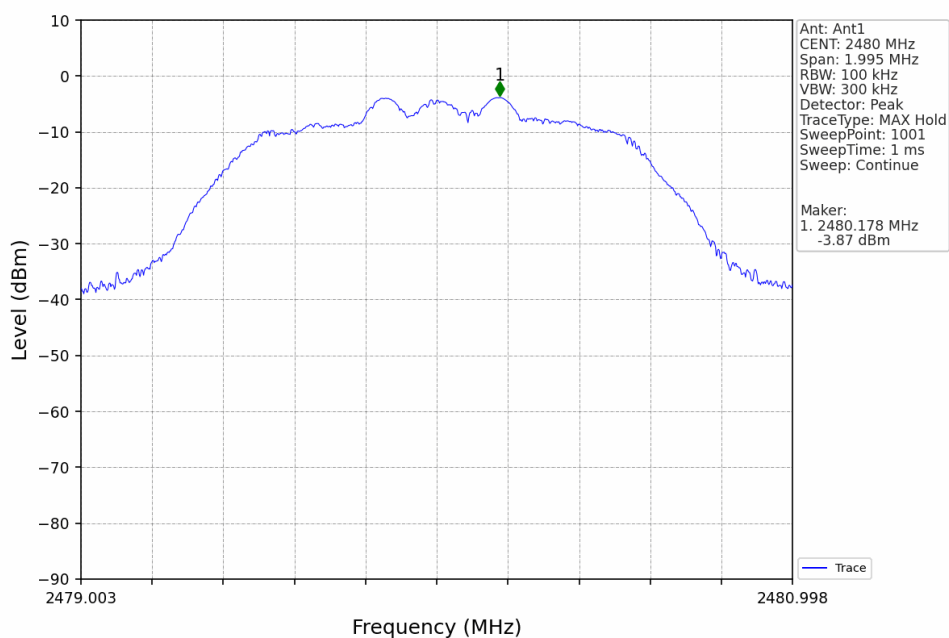
Pi/4DQPSK_2DH5_LCH_2402MHz_Ant1 NTN



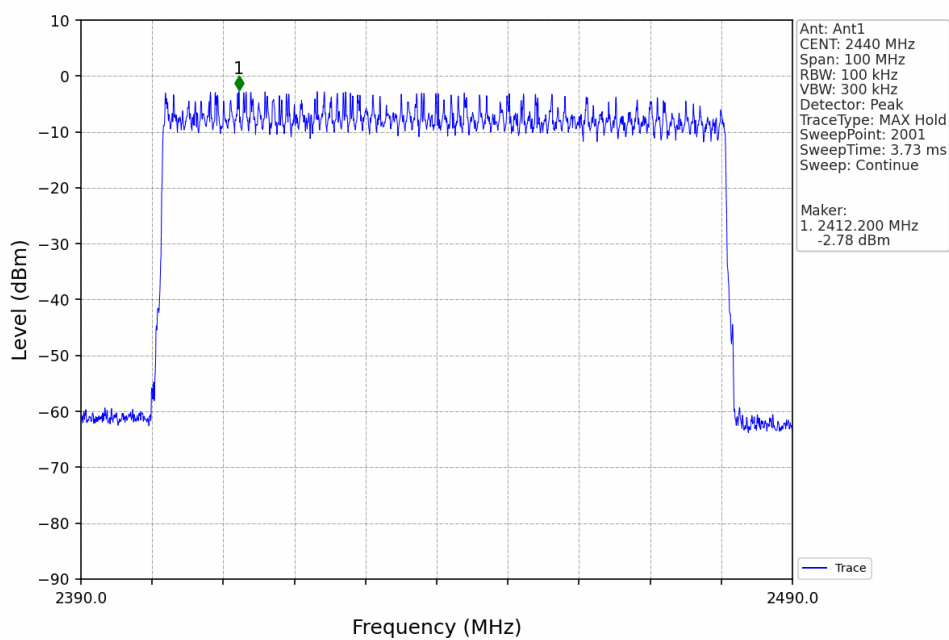
Pi/4DQPSK 2DH5 MCH 2441MHz Ant1 NTNV



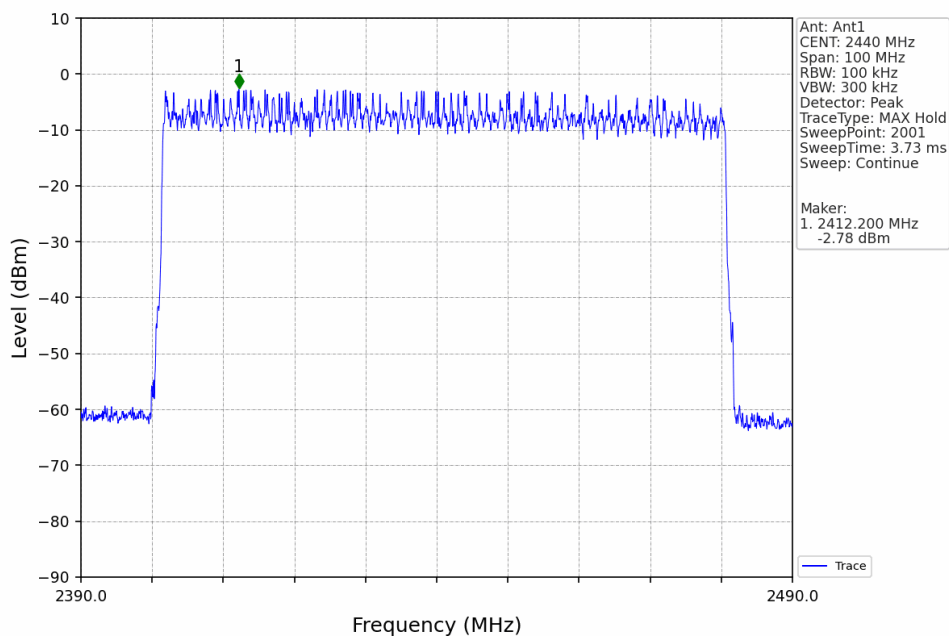
Pi/4DQPSK 2DH5 HCH 2480MHz Ant1 NTNV



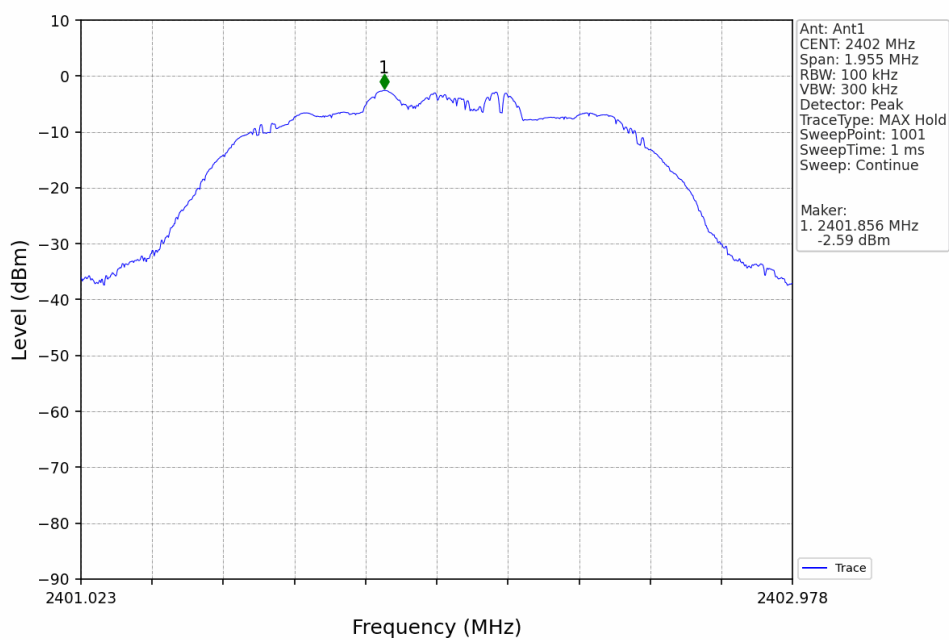
Pi/4DQPSK_2DH5_HOPP_Ant1_NTNV



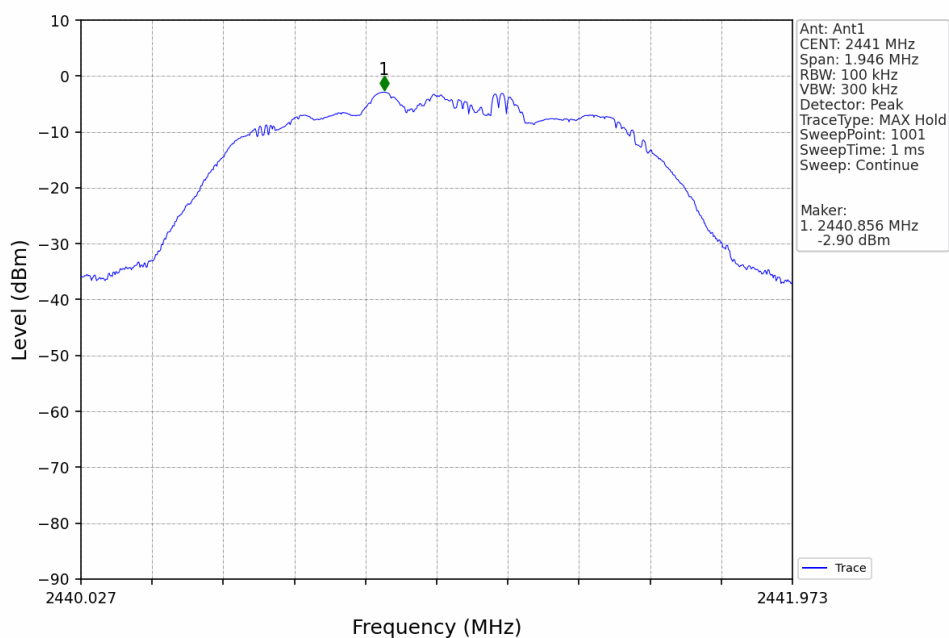
Pi/4DQPSK_2DH5_HOPP_Ant1_NTNV



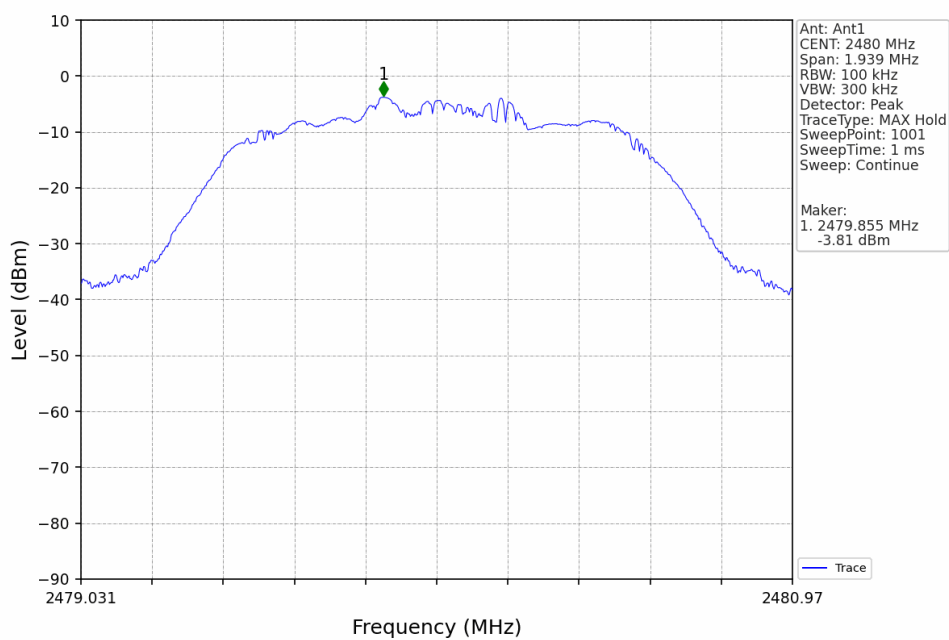
8DPSK 3DH5 LCH 2402MHz Ant1 NTV



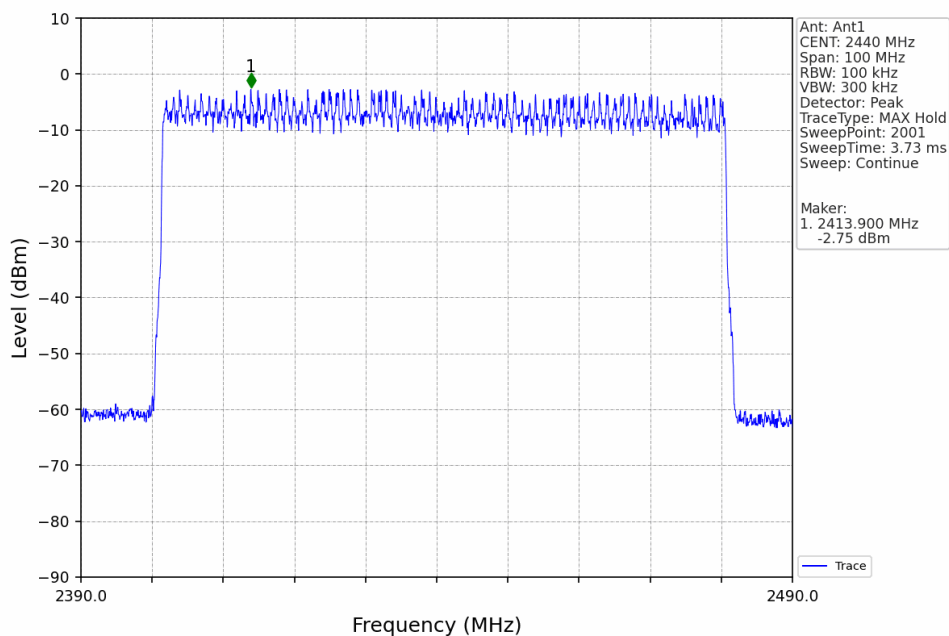
8DPSK 3DH5 MCH 2441MHz Ant1 NTV

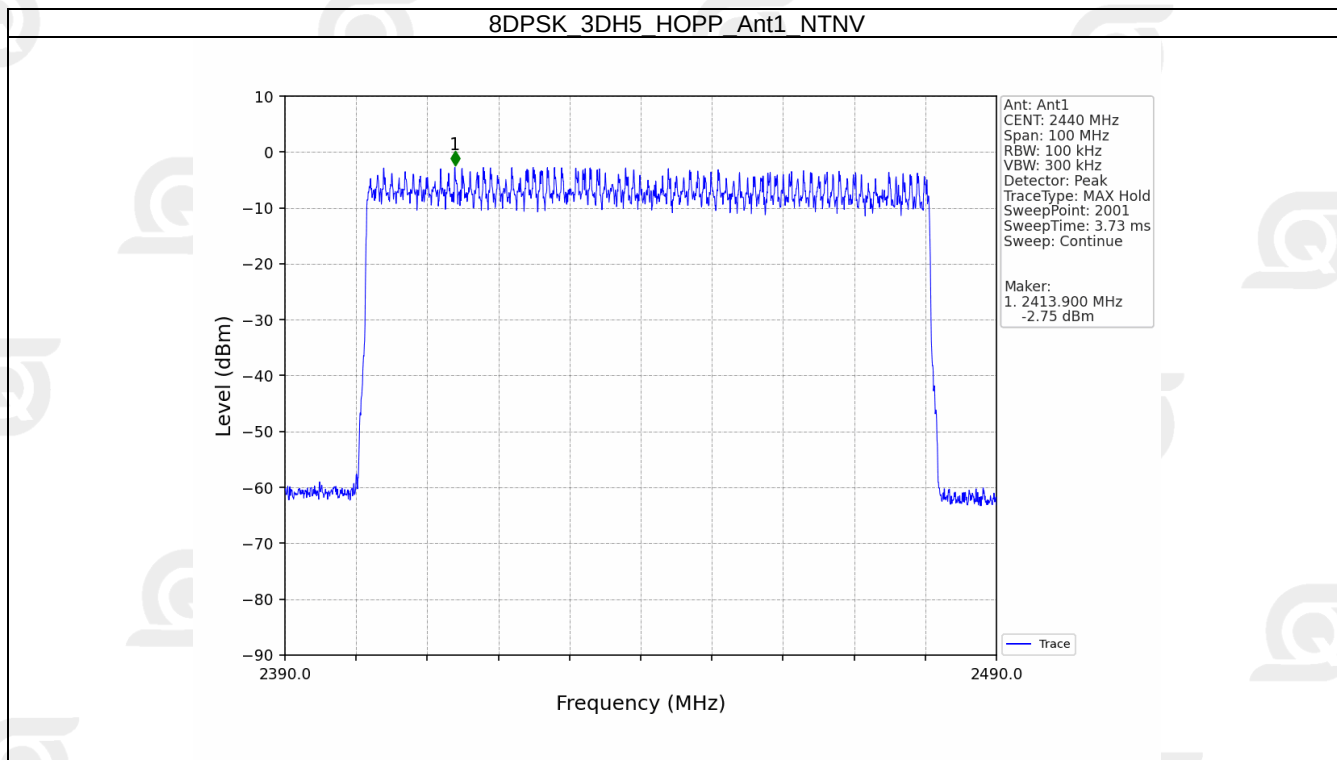


8DPSK 3DH5 HCH 2480MHz Ant1 NTN

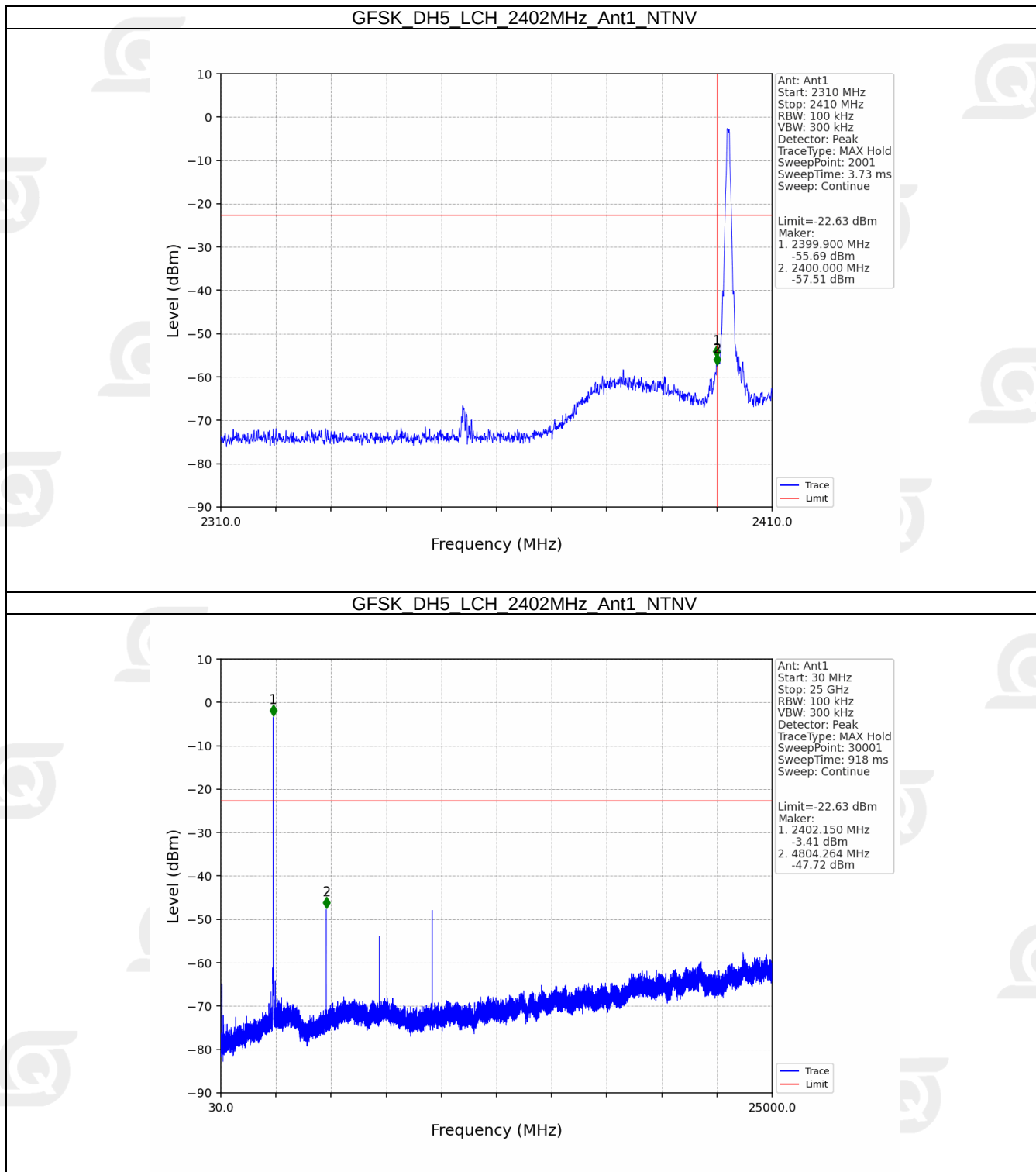


8DPSK 3DH5 HOPP Ant1 NTN

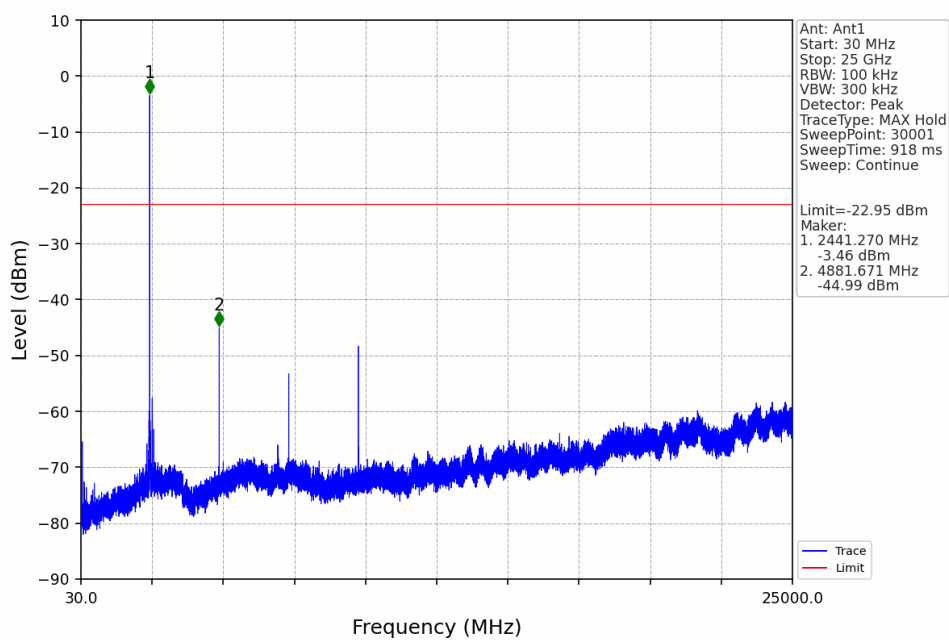




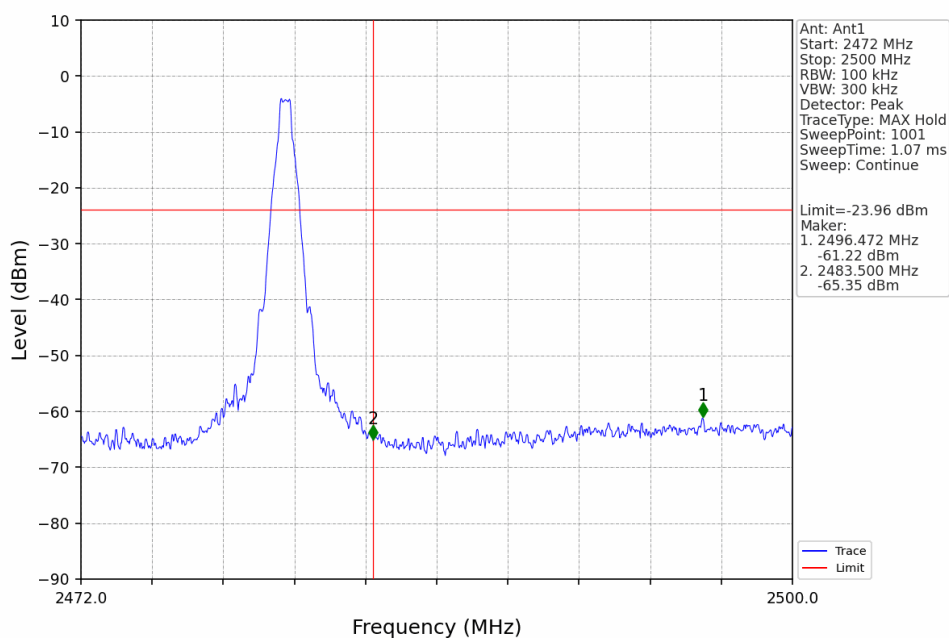
6.2.2 CSE



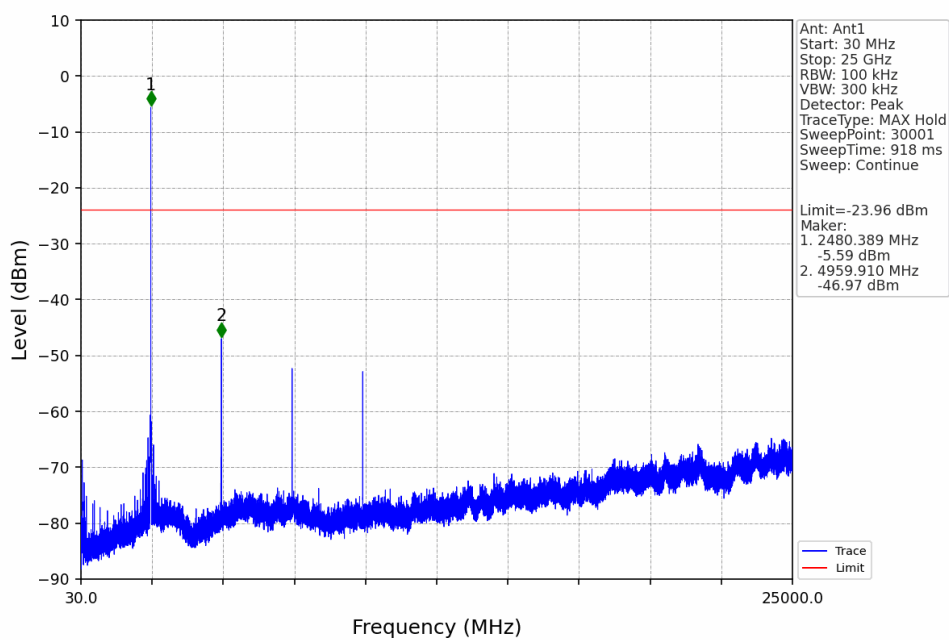
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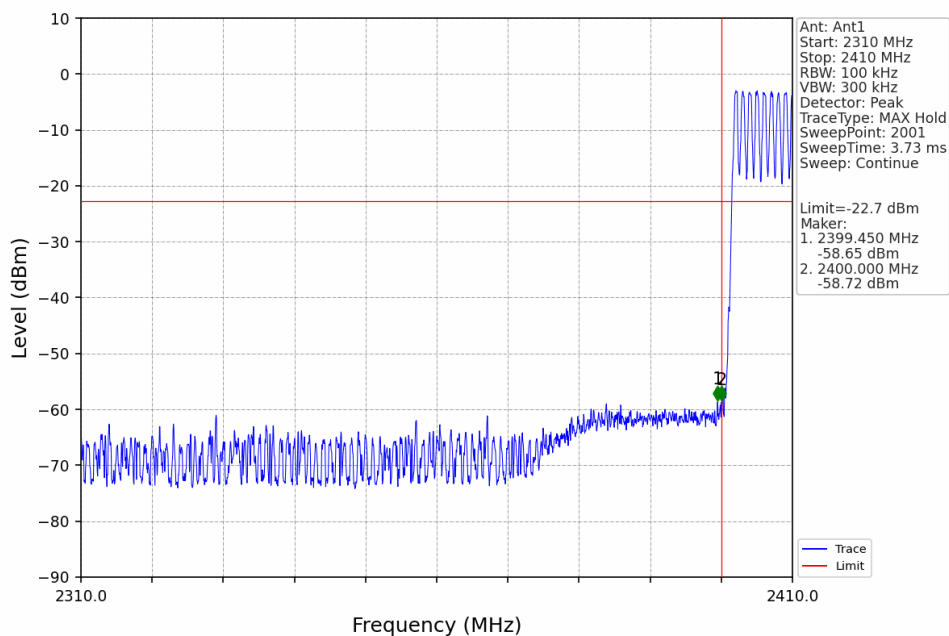
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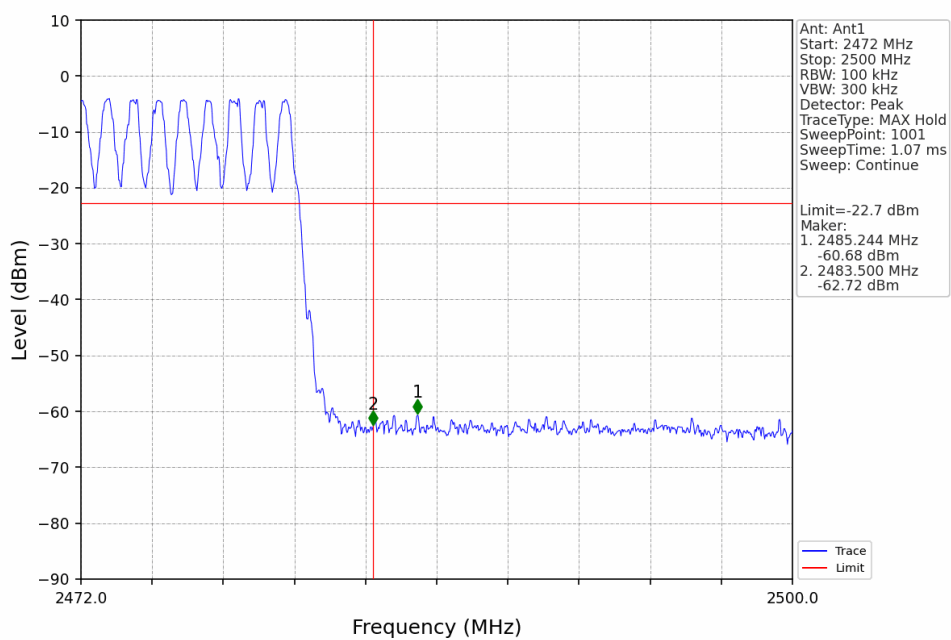
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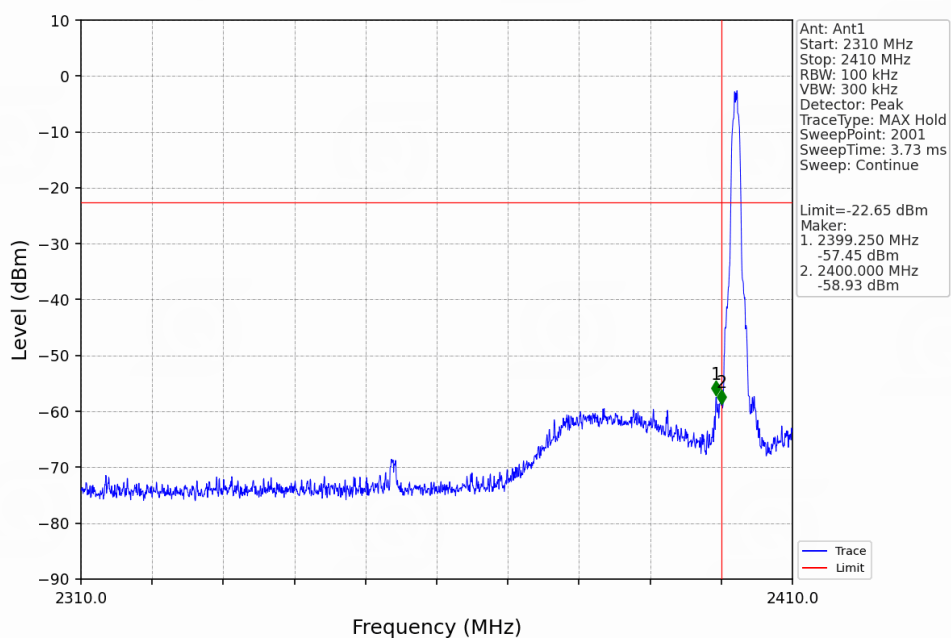
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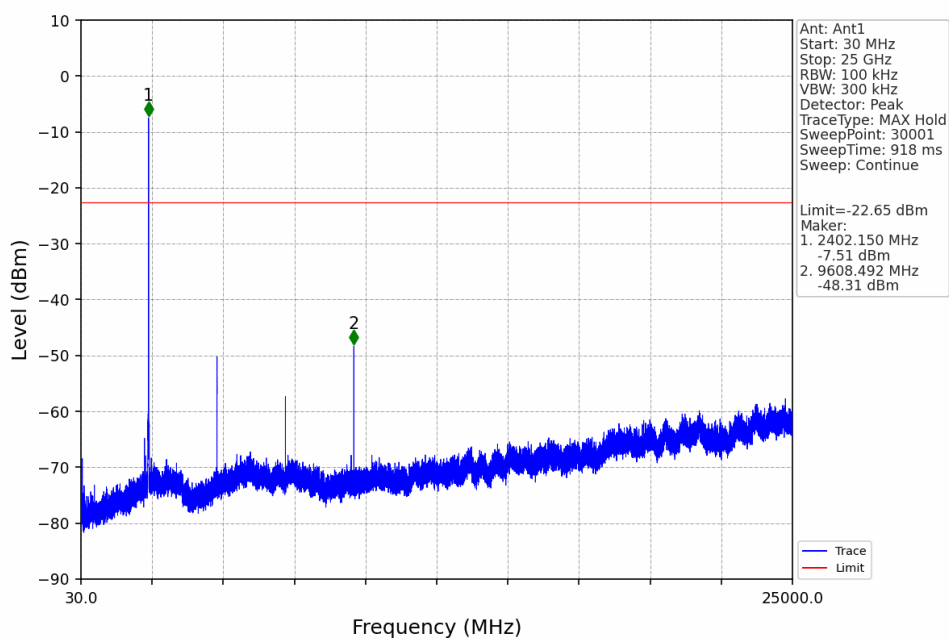
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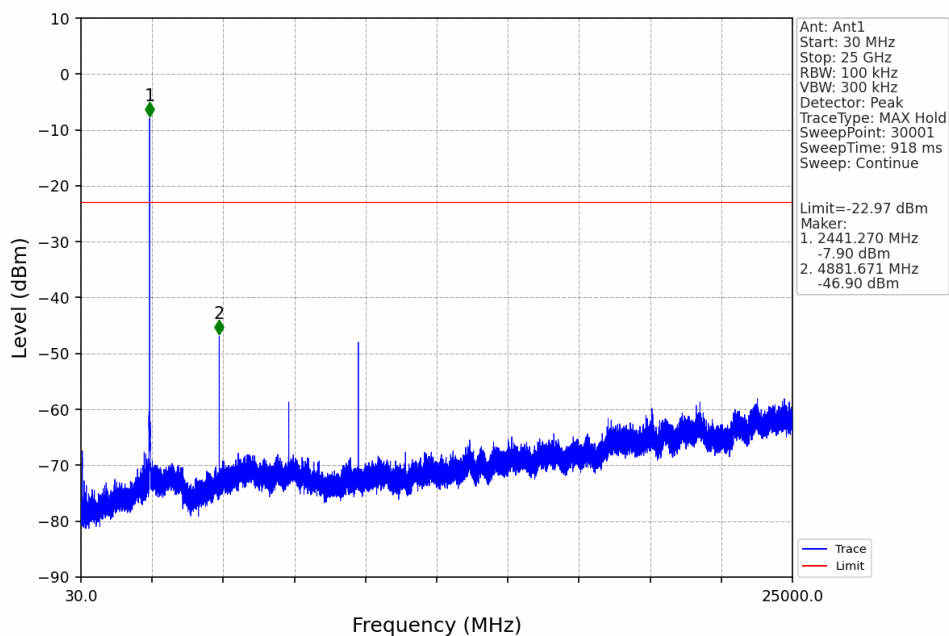
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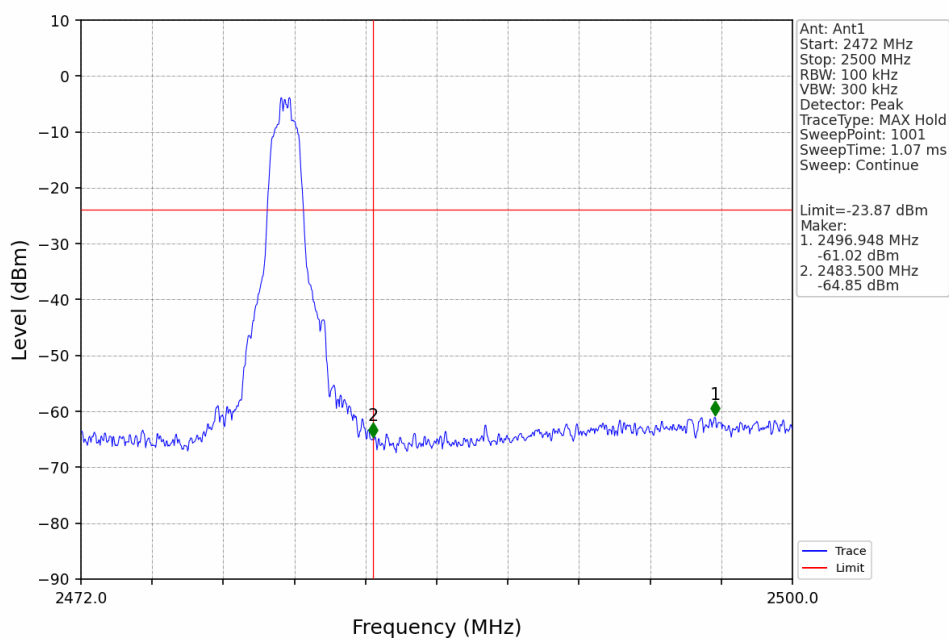
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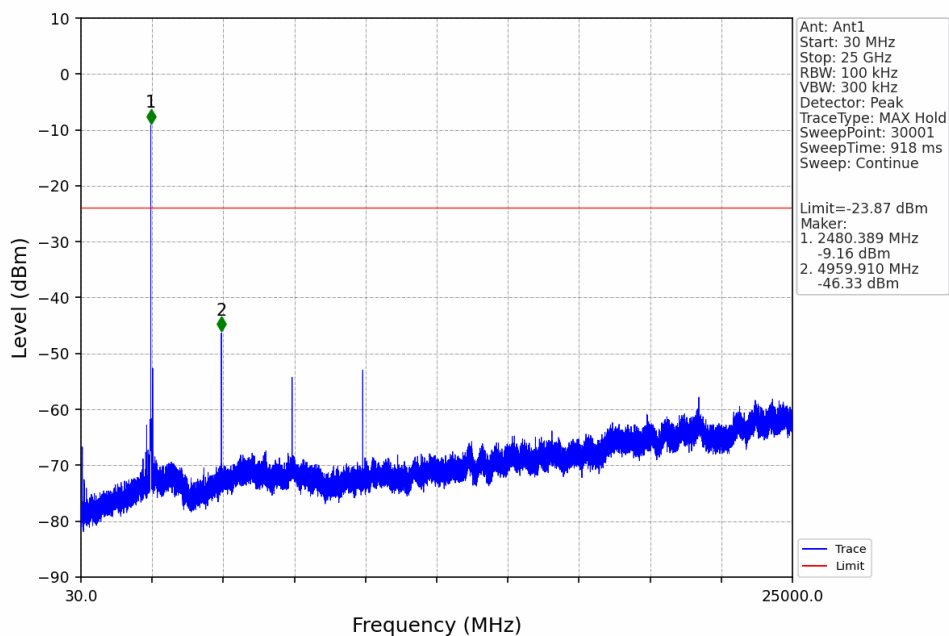
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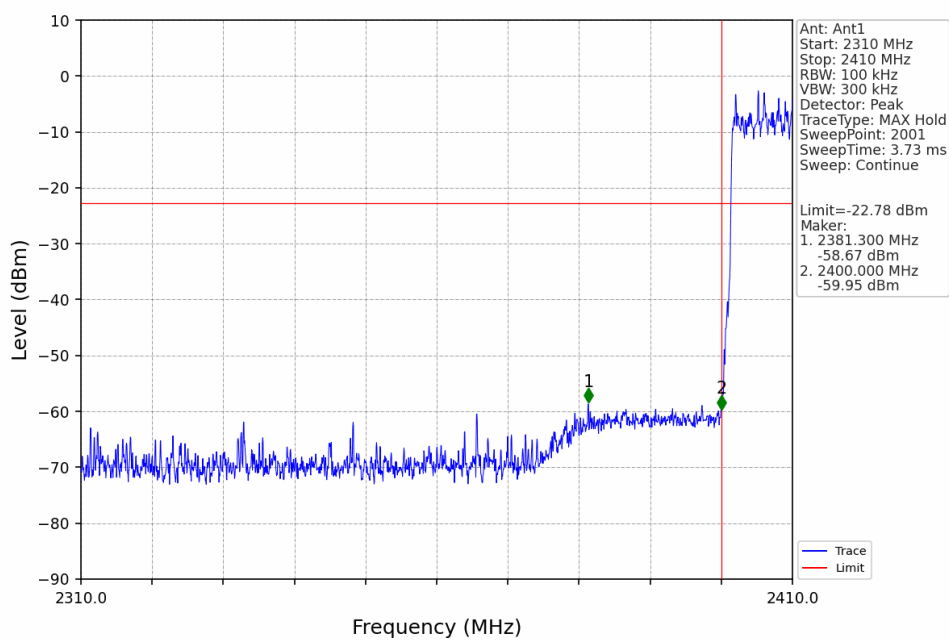
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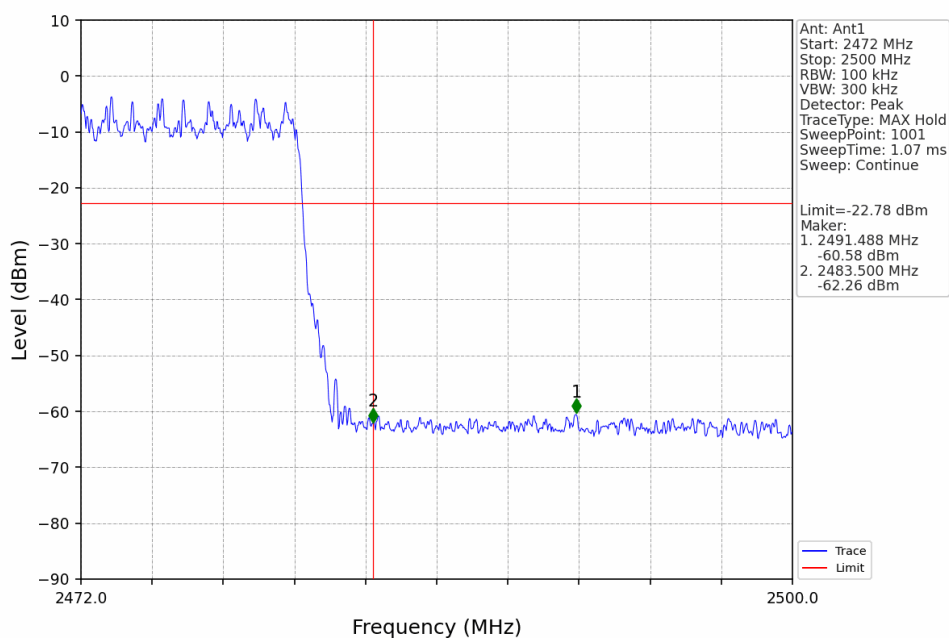
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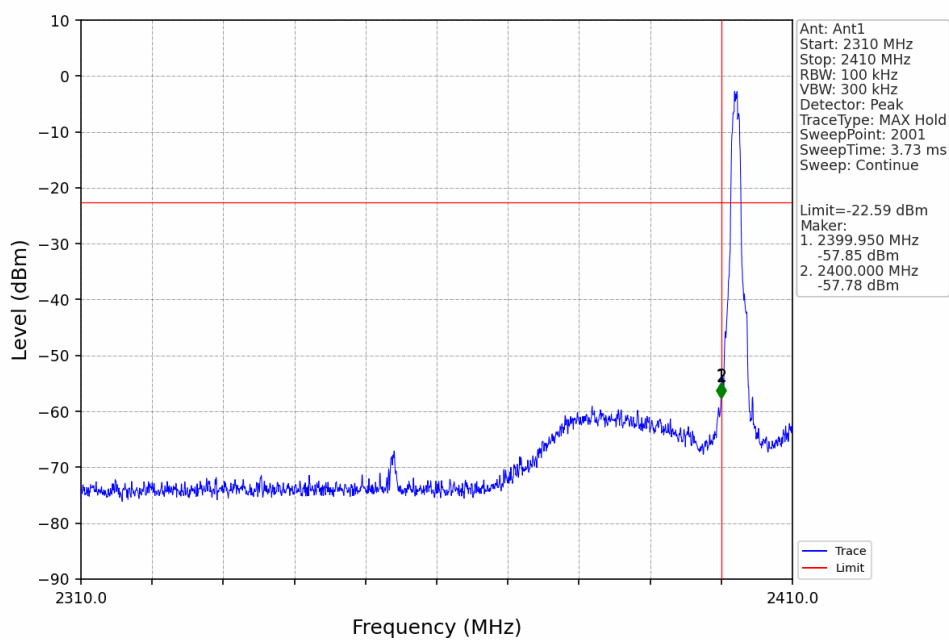
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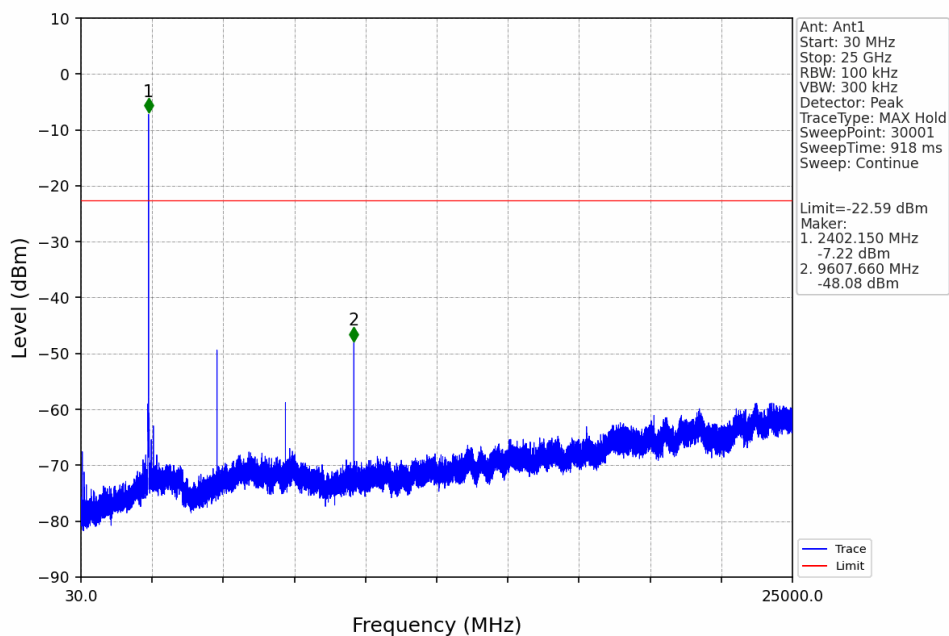
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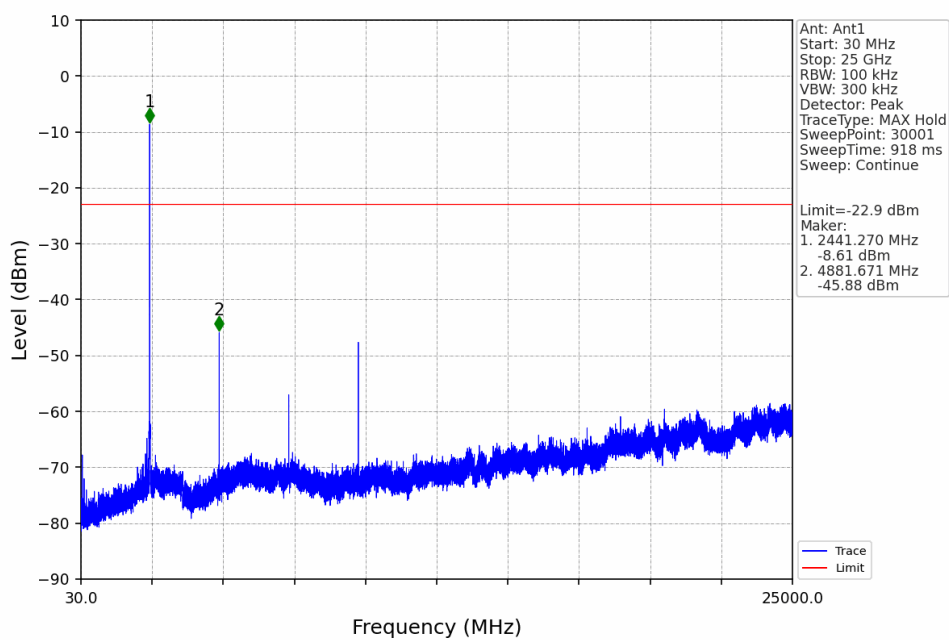
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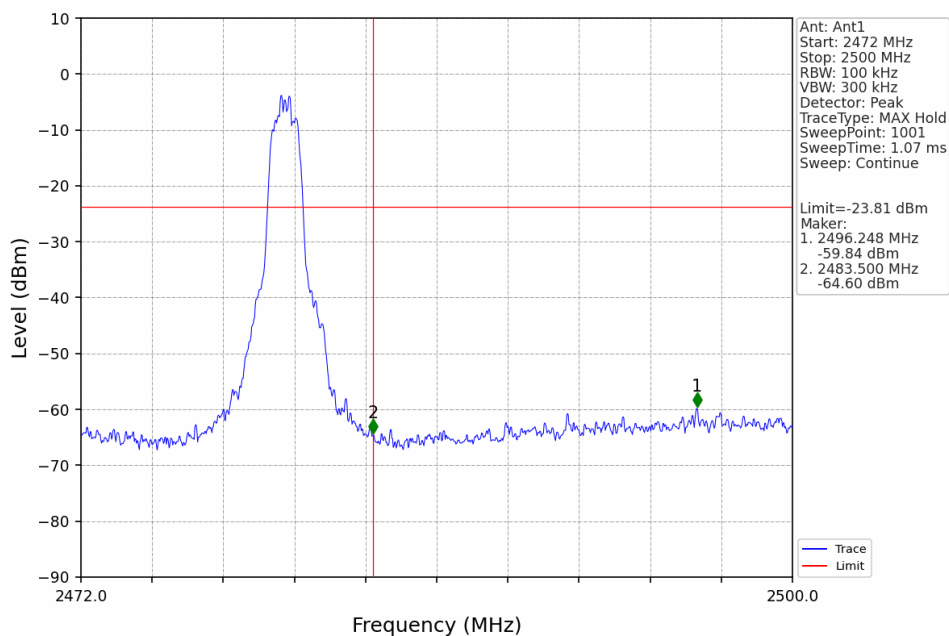
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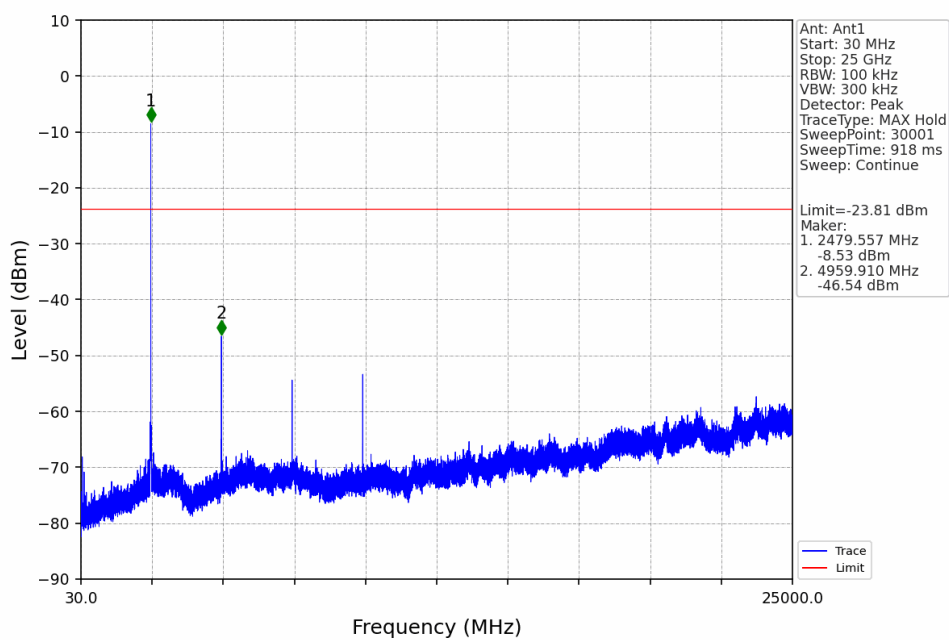
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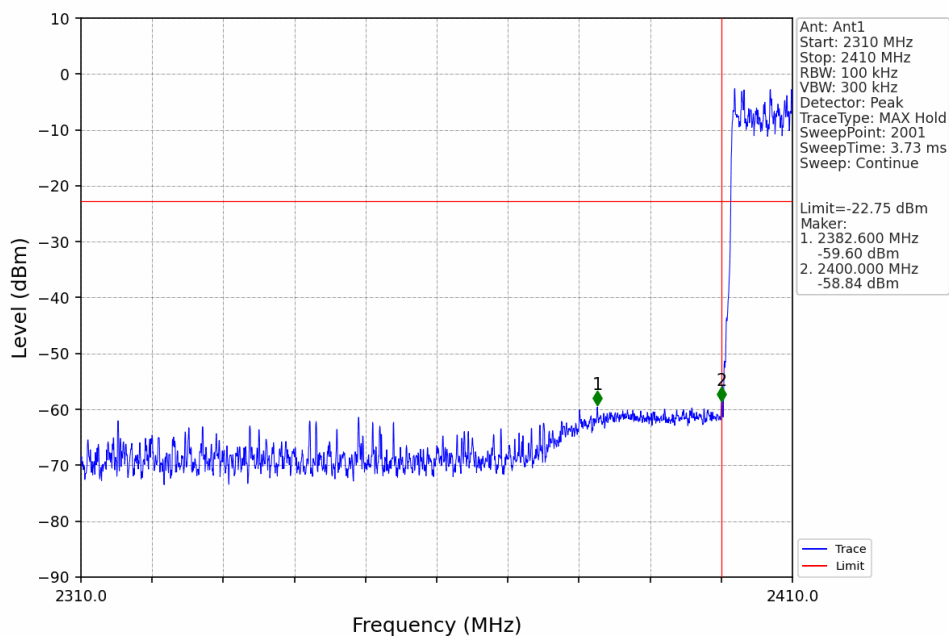
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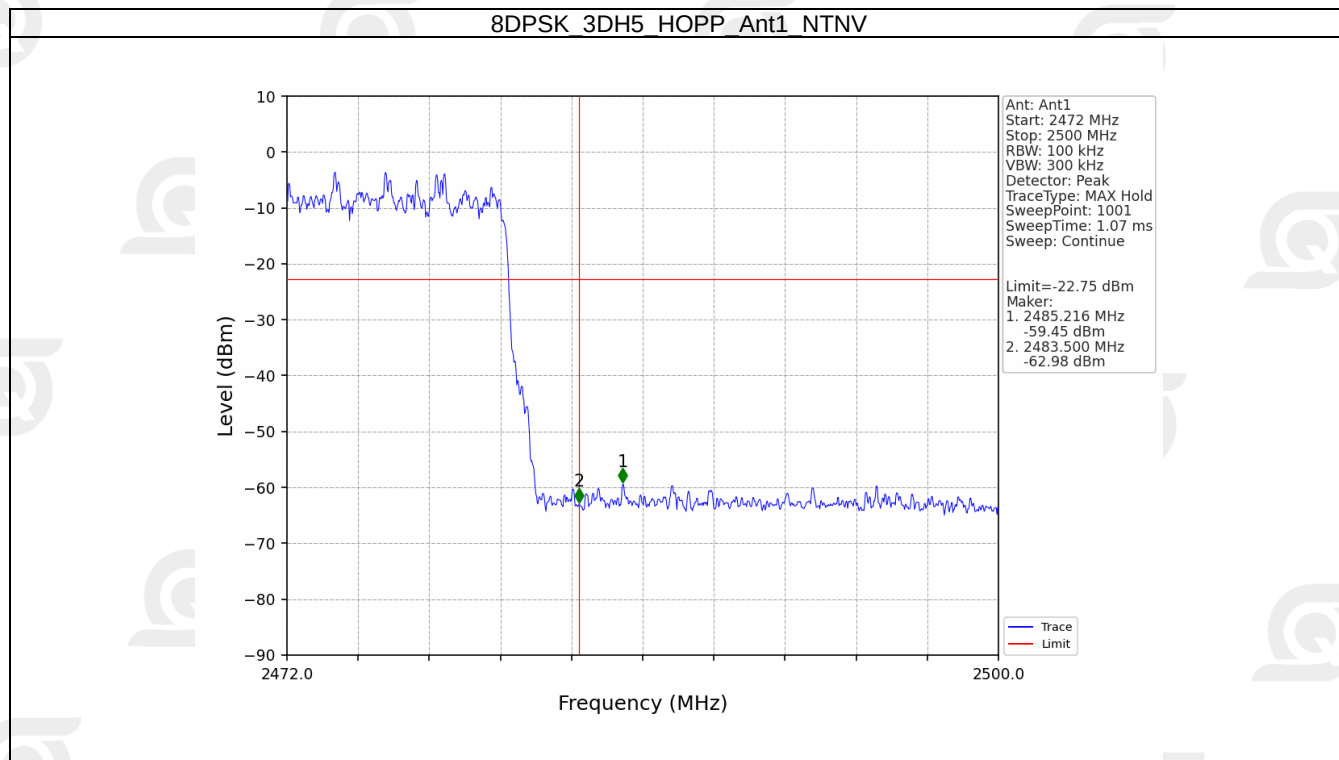


8DPSK 3DH5 HCH 2480MHz Ant1 NTN



8DPSK 3DH5 HOPP Ant1 NTN





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