

1. Bandwidth

1.1 Test Result

1.1.1 OBW

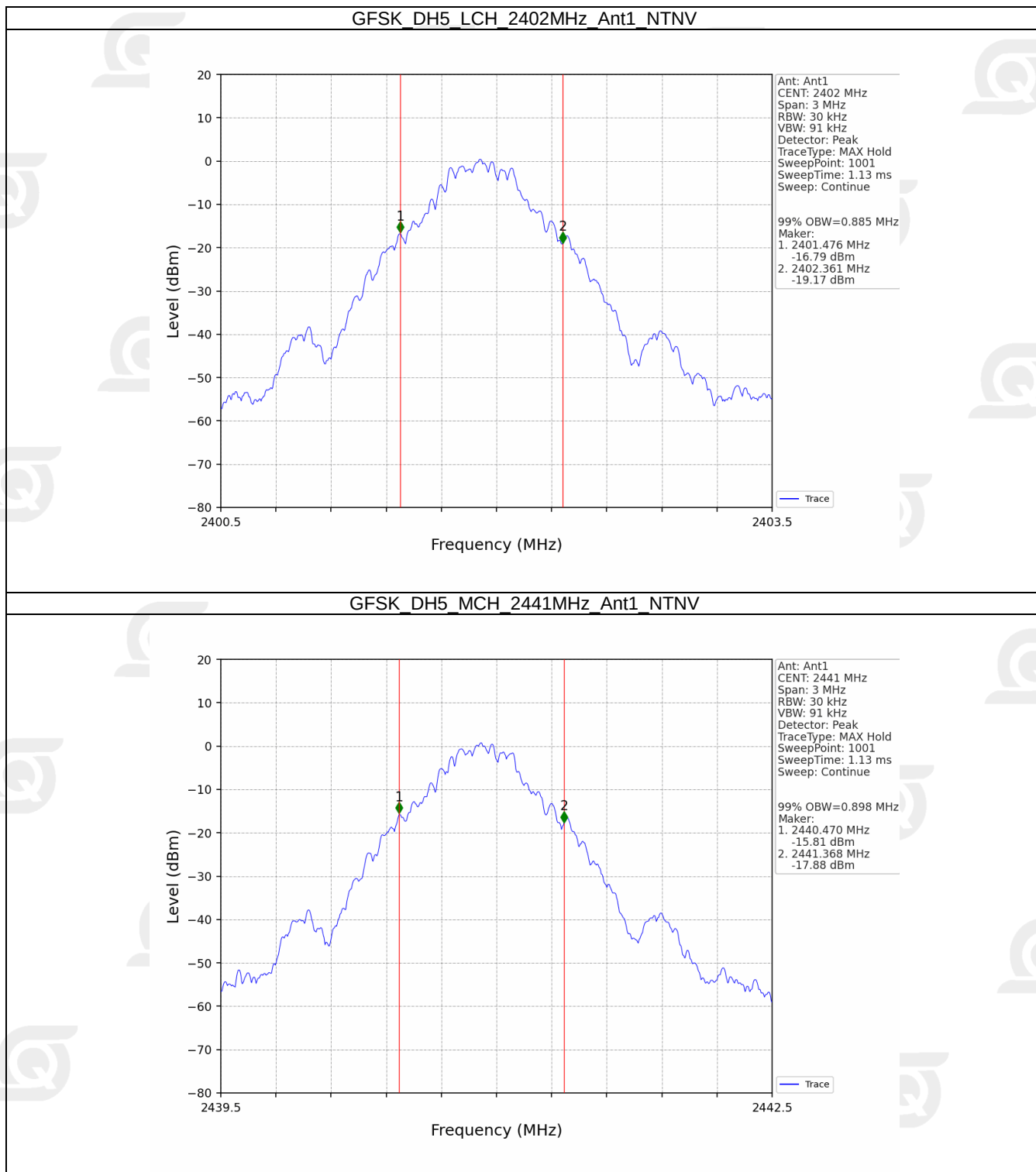
Mode	TX Type	Frequency (MHz)	Packet Type	ANT	99% Occupied Bandwidth (MHz)		Verdict
					Result	Limit	
GFSK	SISO	2402	DH5	1	0.885	/	Pass
		2441	DH5	1	0.898	/	Pass
		2480	DH5	1	0.885	/	Pass
Pi/4DQPSK	SISO	2402	2DH5	1	1.181	/	Pass
		2441	2DH5	1	1.183	/	Pass
		2480	2DH5	1	1.182	/	Pass
8DPSK	SISO	2402	3DH5	1	1.181	/	Pass
		2441	3DH5	1	1.187	/	Pass
		2480	3DH5	1	1.202	/	Pass

1.1.2 20dB BW

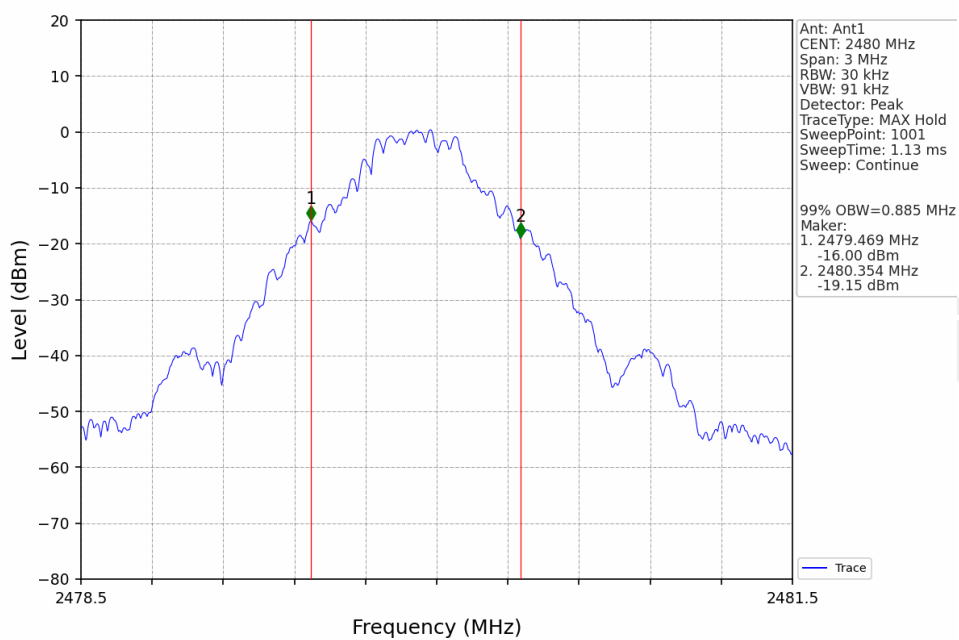
Mode	TX Type	Frequency (MHz)	Packet Type	ANT	20dB Bandwidth (MHz)		Verdict
					Result	Limit	
GFSK	SISO	2402	DH5	1	0.952	/	Pass
		2441	DH5	1	0.994	/	Pass
		2480	DH5	1	0.989	/	Pass
Pi/4DQPSK	SISO	2402	2DH5	1	1.318	/	Pass
		2441	2DH5	1	1.295	/	Pass
		2480	2DH5	1	1.294	/	Pass
8DPSK	SISO	2402	3DH5	1	1.291	/	Pass
		2441	3DH5	1	1.310	/	Pass
		2480	3DH5	1	1.320	/	Pass

1.2 Test Graph

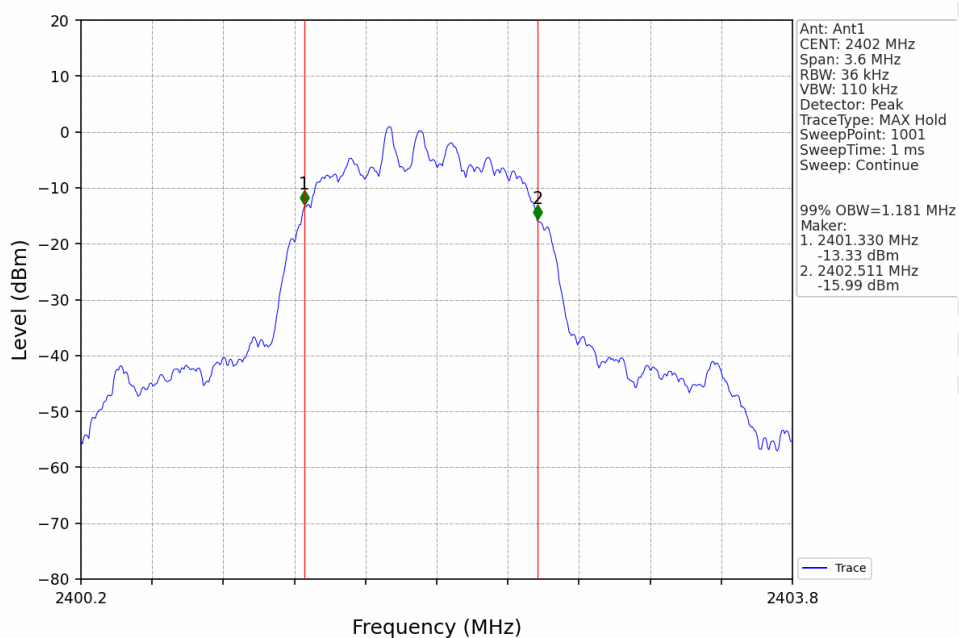
1.2.1 OBW



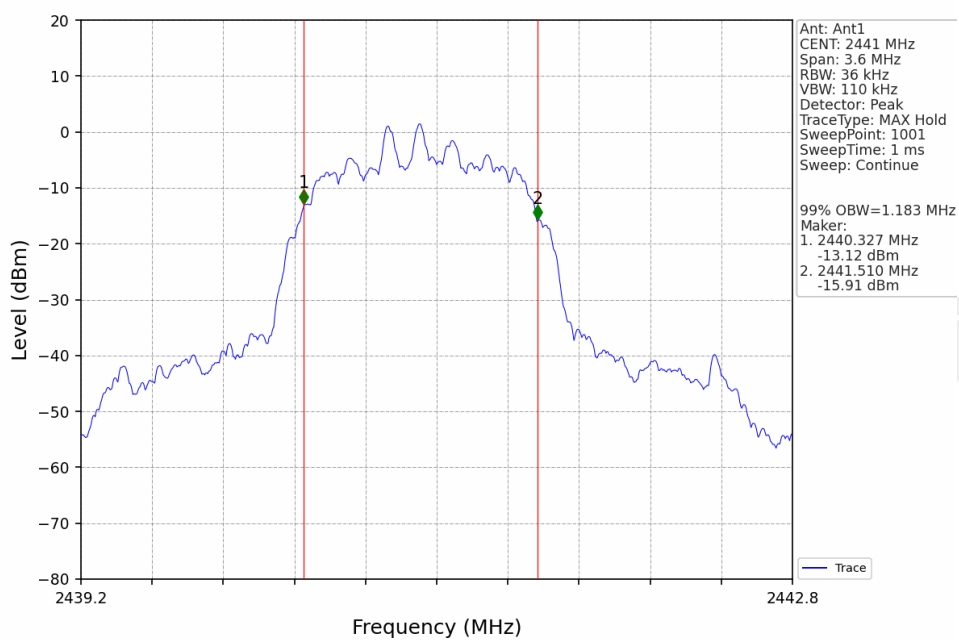
GFSK DH5 HCH 2480MHz Ant1 NTN



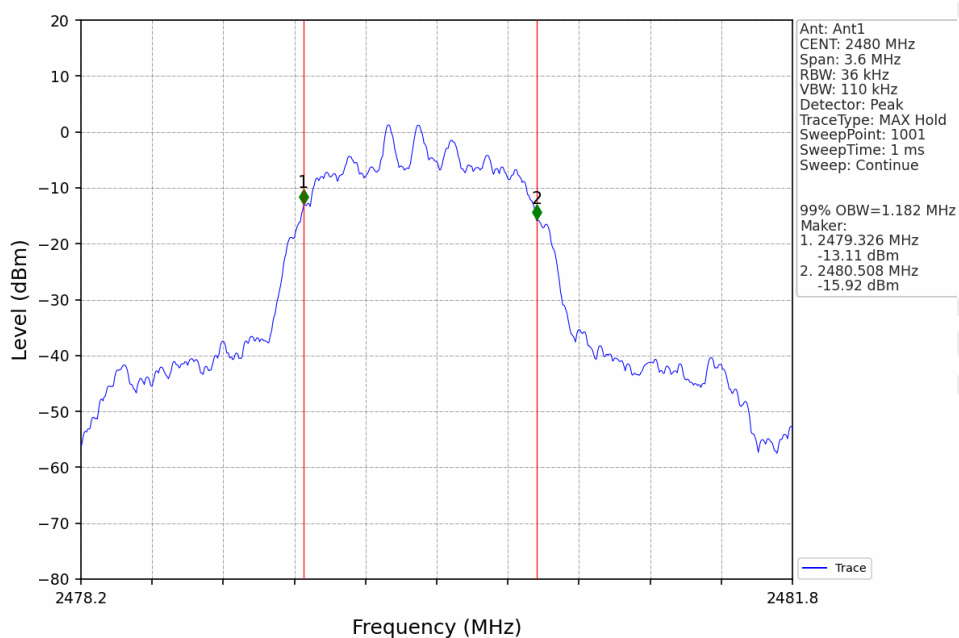
Pi/4DQPSK_2DH5_LCH 2402MHz Ant1 NTN



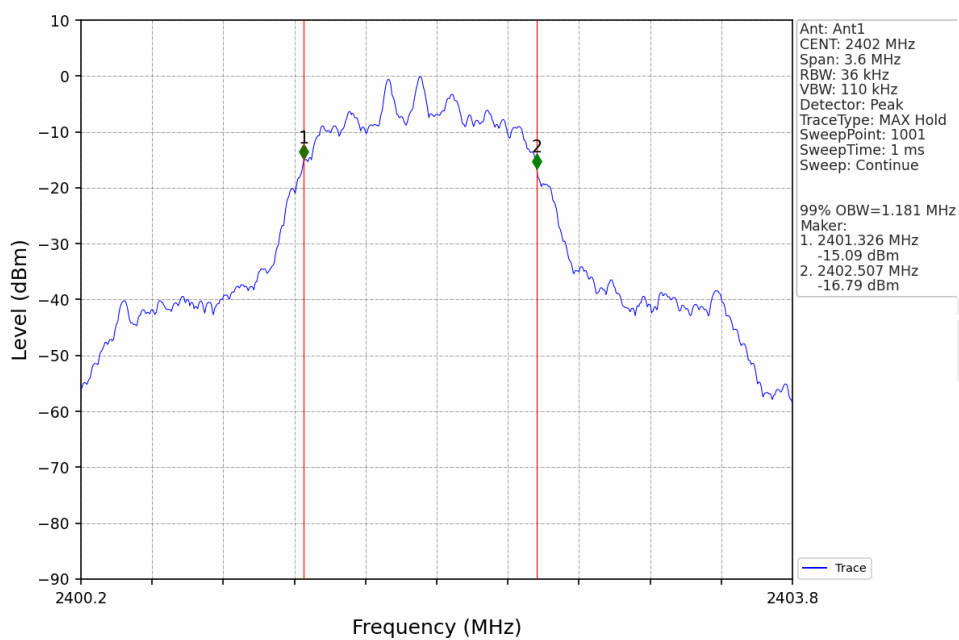
Pi/4DQPSK 2DH5 MCH 2441MHz Ant1 NTV



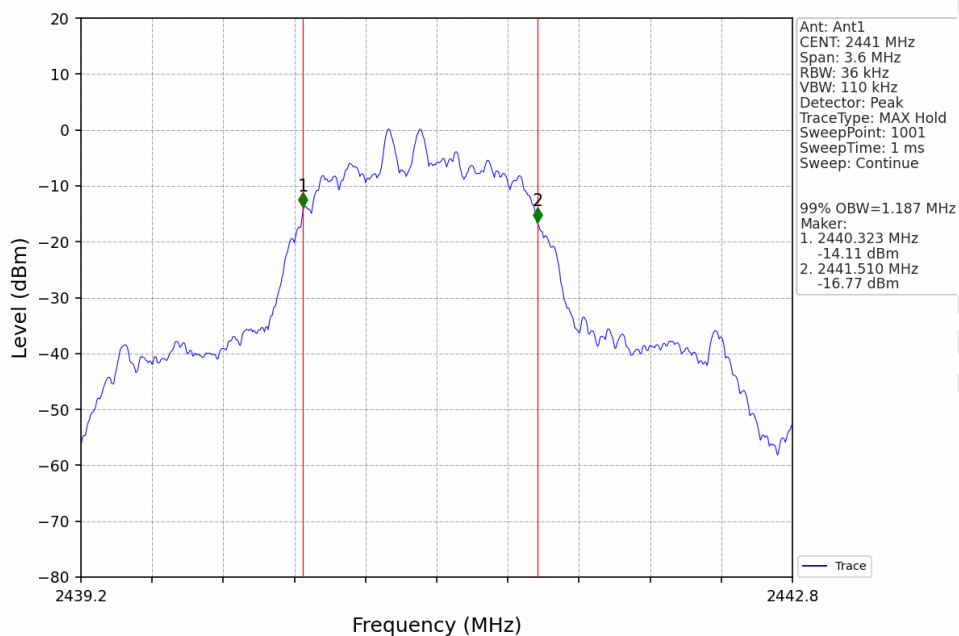
Pi/4DQPSK 2DH5 HCH 2480MHz Ant1 NTV

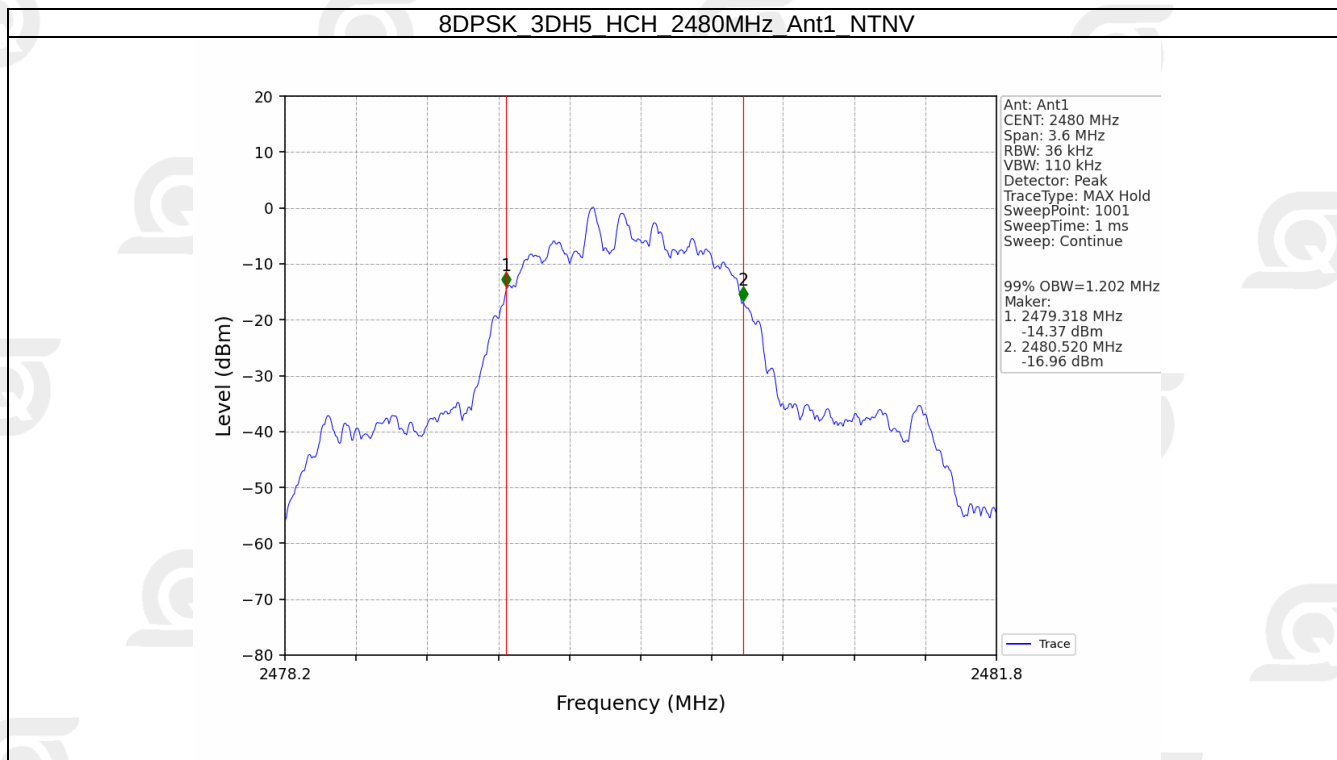


8DPSK 3DH5 LCH 2402MHz Ant1 NTV

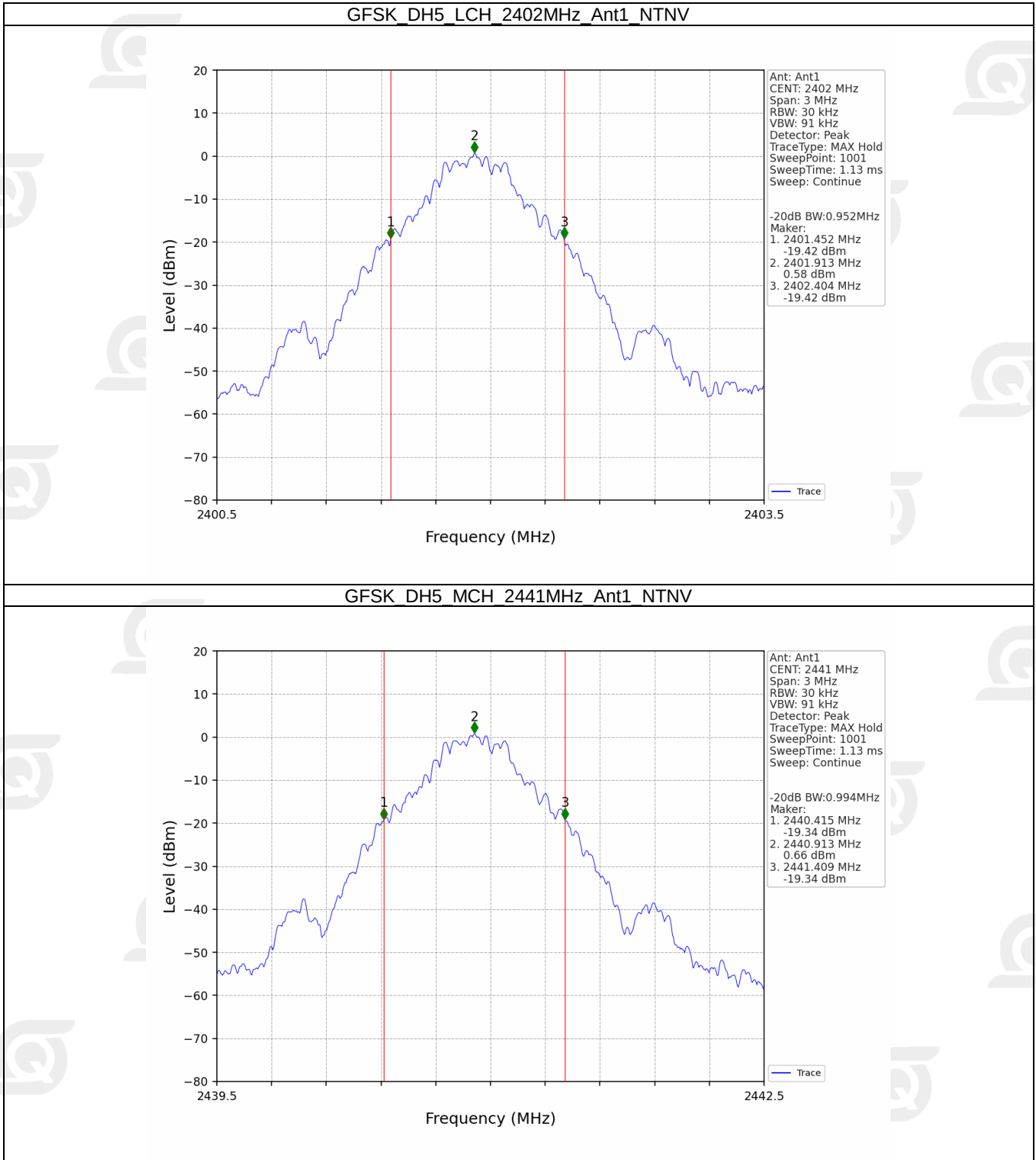


8DPSK 3DH5 MCH 2441MHz Ant1 NTV

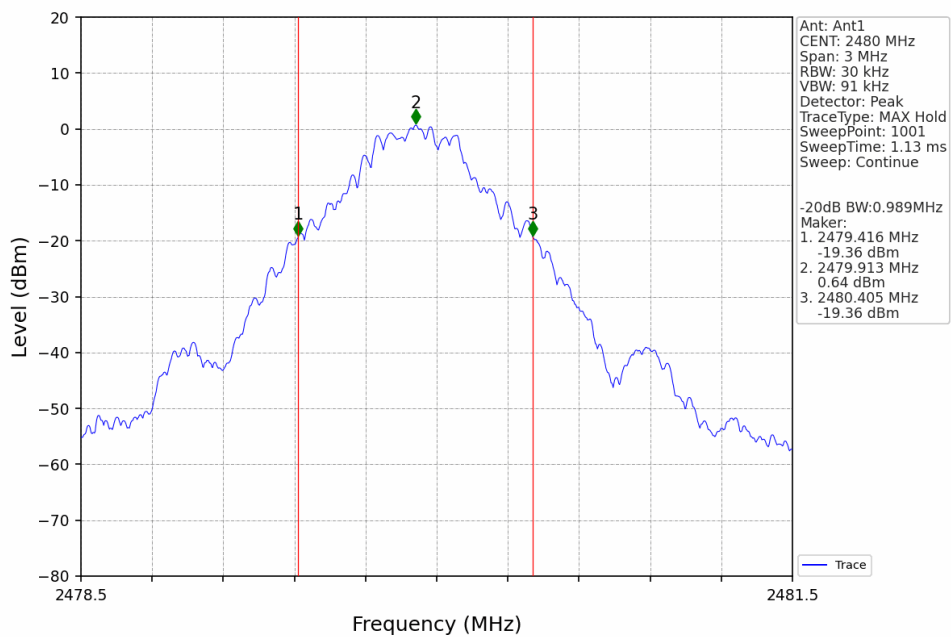




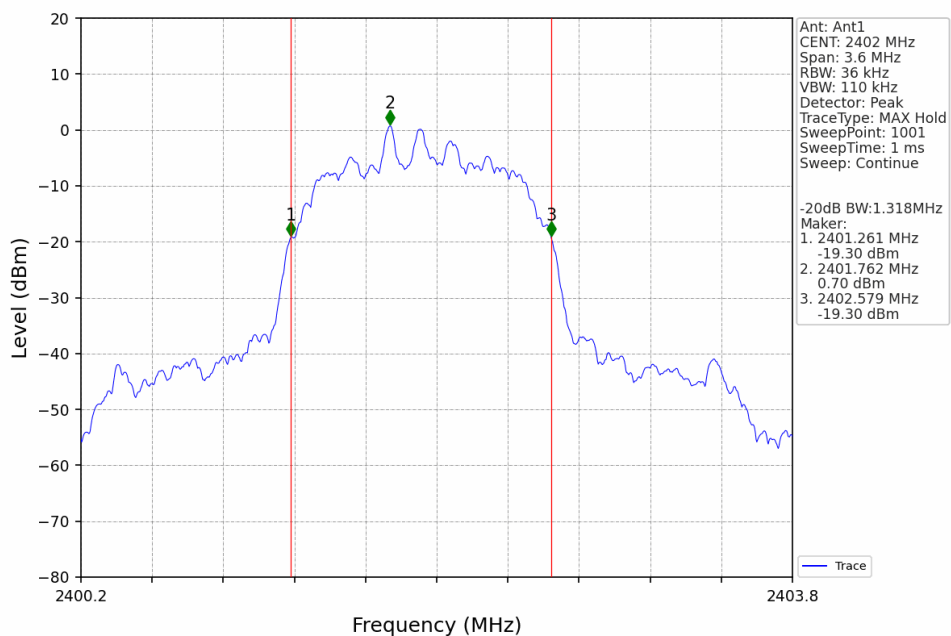
1.2.2 20dB BW



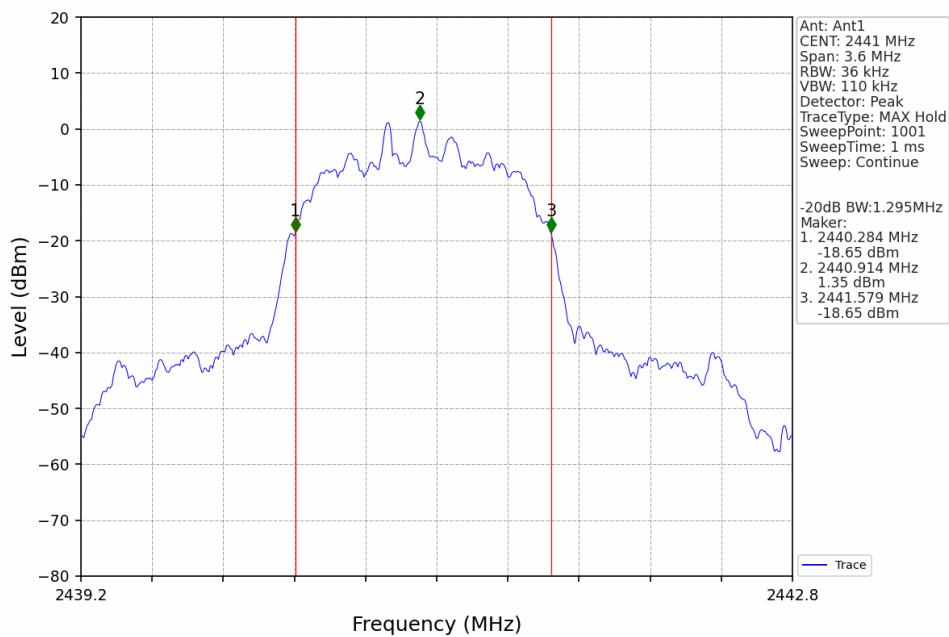
GFSK DH5 HCH 2480MHz Ant1 NTN



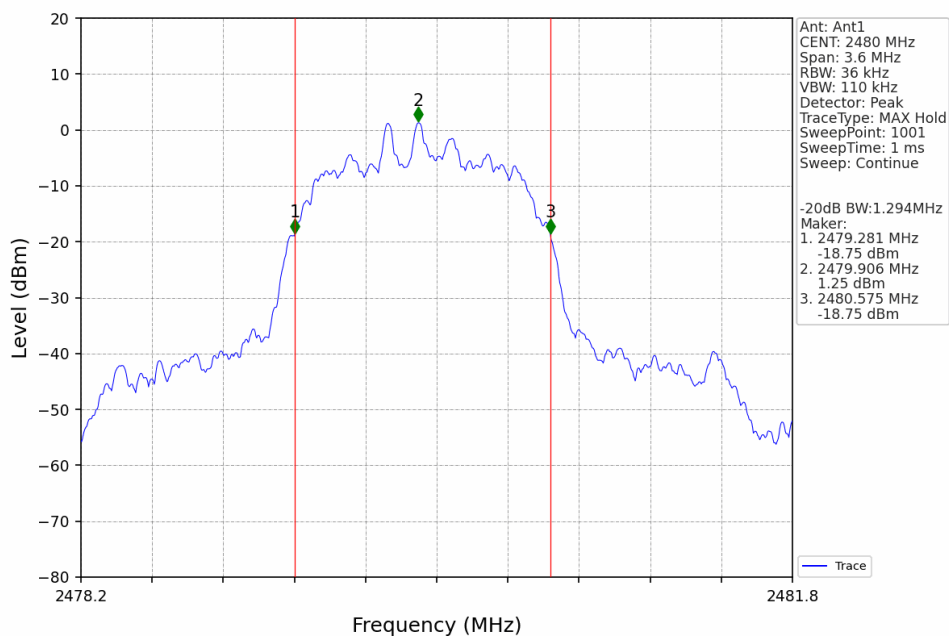
Pi/4DQPSK_2DH5_LCH_2402MHz_Ant1_NTN



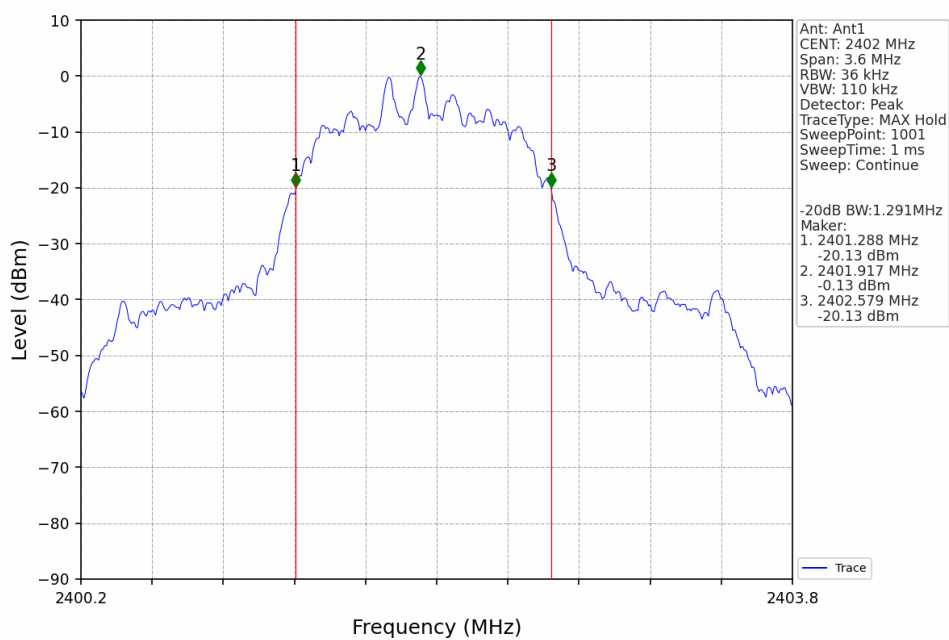
Pi/4DQPSK 2DH5 MCH 2441MHz Ant1 NTNV



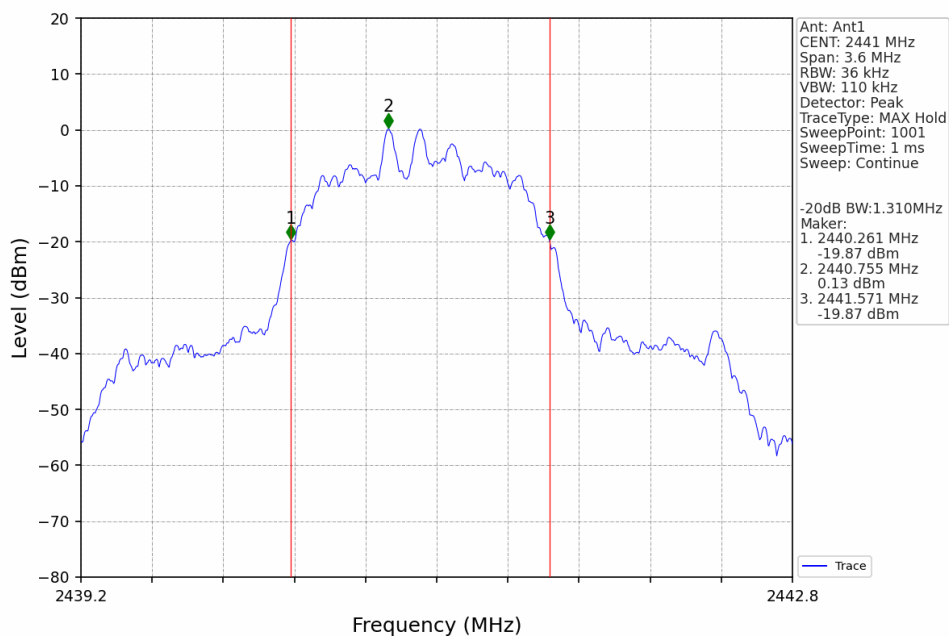
Pi/4DQPSK 2DH5 HCH 2480MHz Ant1 NTNV

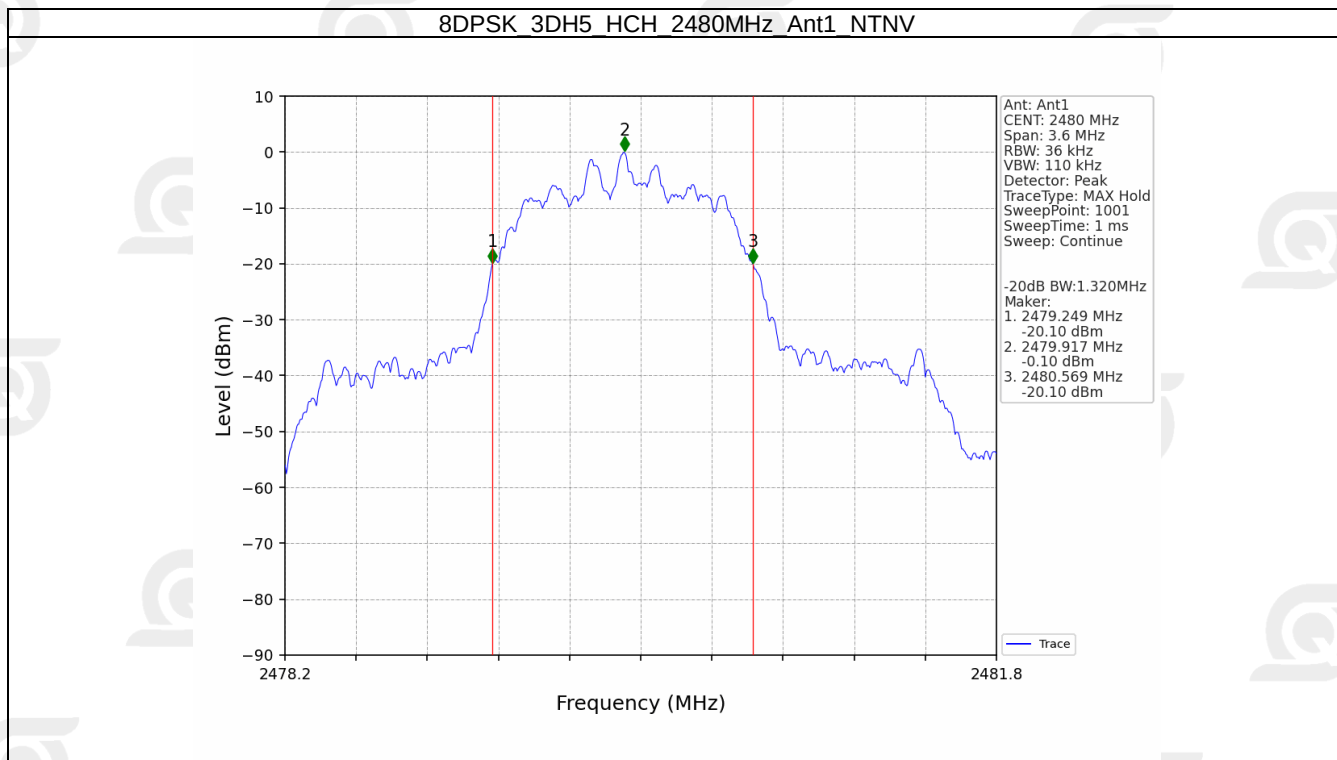


8DPSK 3DH5 LCH 2402MHz Ant1 NTNV



8DPSK 3DH5 MCH 2441MHz Ant1 NTNV



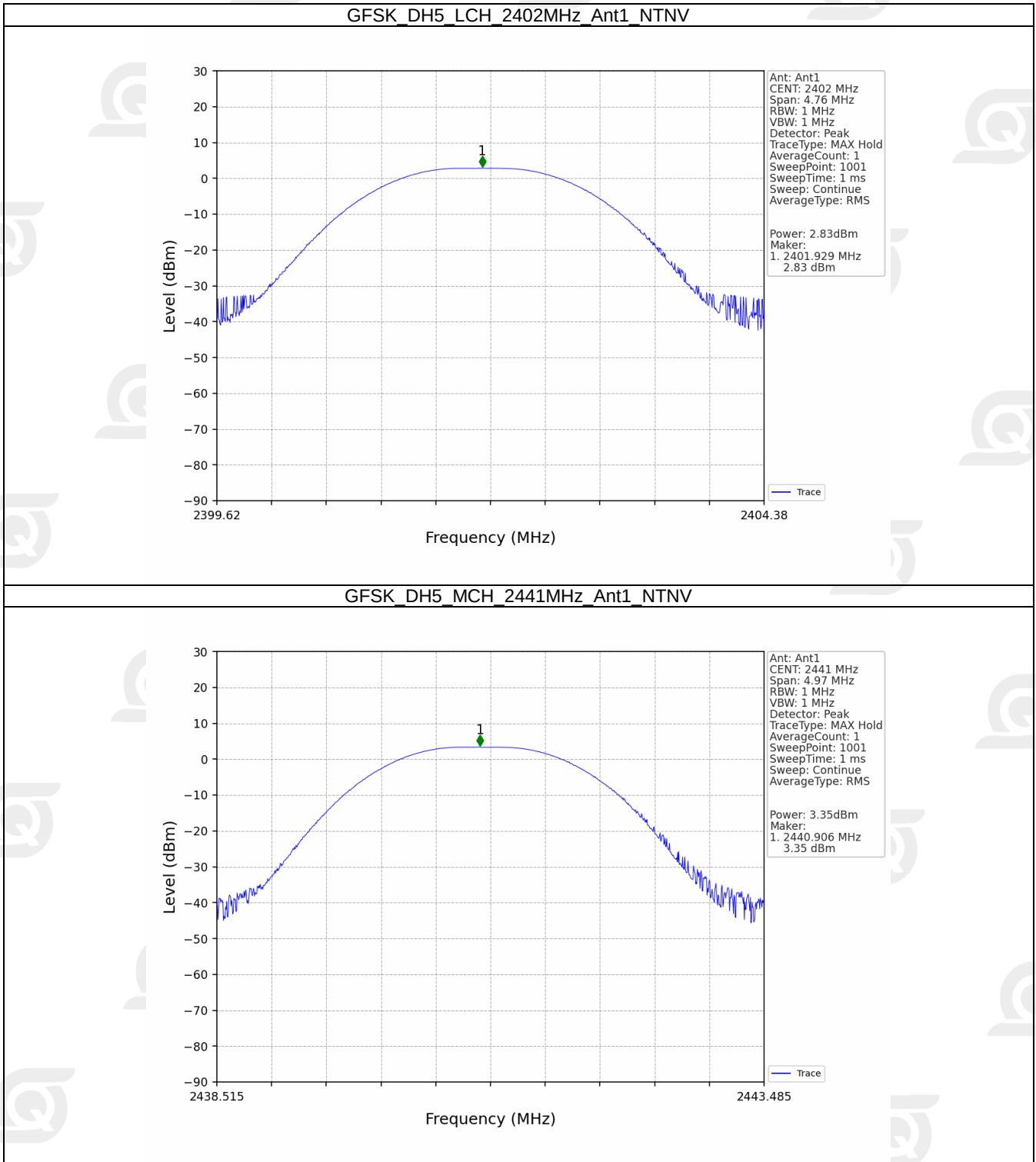


2. Maximum Conducted Output Power

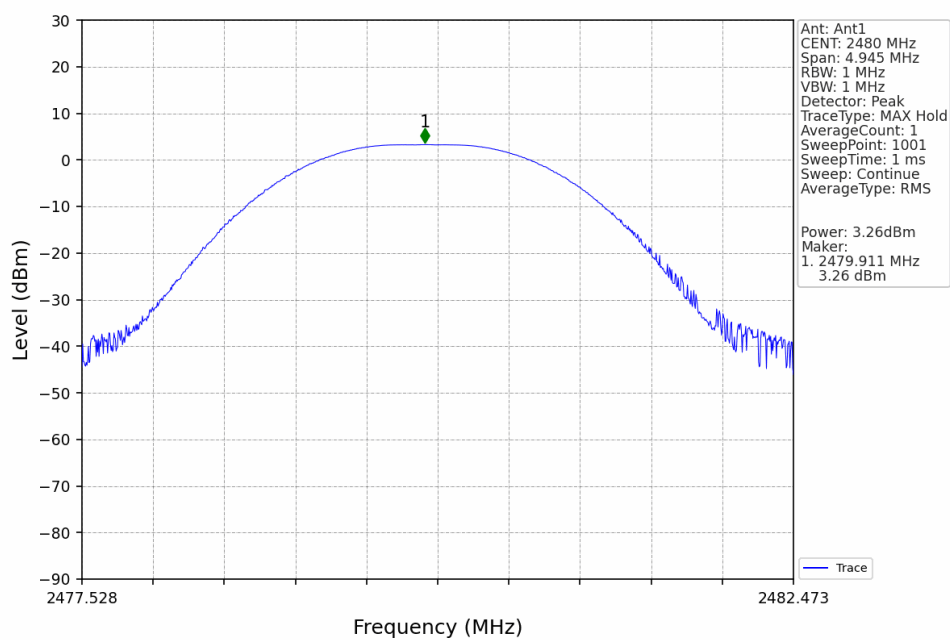
2.1 Test Result

Mode	TX Type	Frequency (MHz)	Packet Type	Maximum Peak Conducted Output Power (dBm)		Verdict
				ANT1	Limit	
GFSK	SISO	2402	DH5	2.83	≤ 20.97	Pass
		2441	DH5	3.35	≤ 20.97	Pass
		2480	DH5	3.26	≤ 20.97	Pass
Pi/4DQPSK	SISO	2402	2DH5	3.61	≤ 20.97	Pass
		2441	2DH5	3.93	≤ 20.97	Pass
		2480	2DH5	3.85	≤ 20.97	Pass
8DPSK	SISO	2402	3DH5	2.11	≤ 20.97	Pass
		2441	3DH5	2.65	≤ 20.97	Pass
		2480	3DH5	2.64	≤ 20.97	Pass

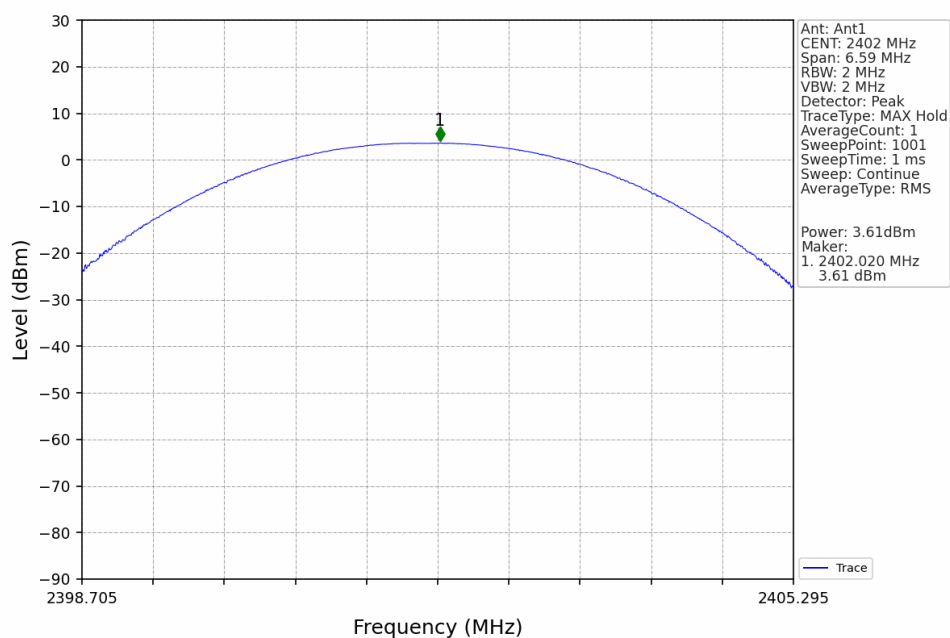
2.2 Test Graph



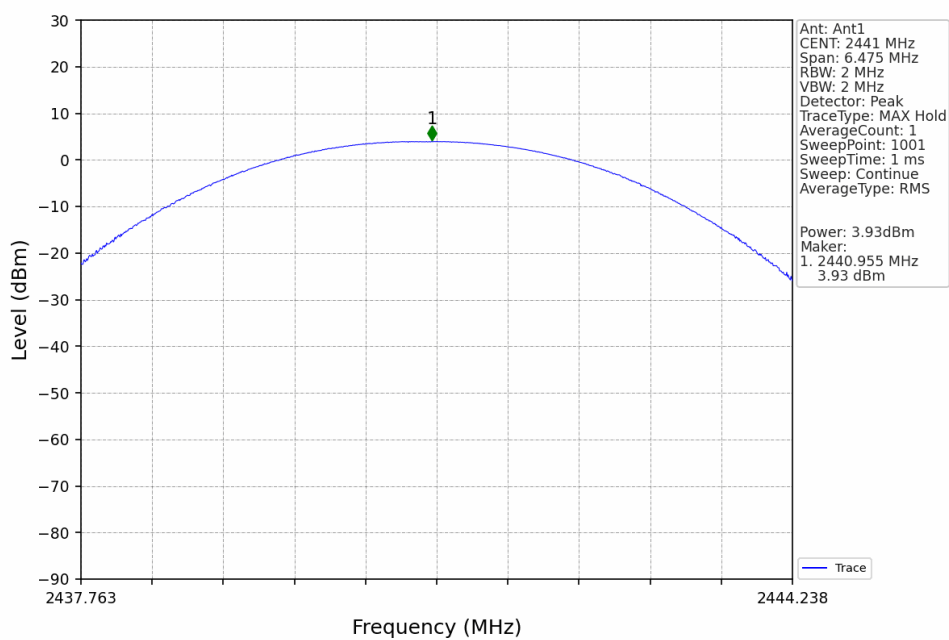
GFSK DH5 HCH 2480MHz Ant1 NTN



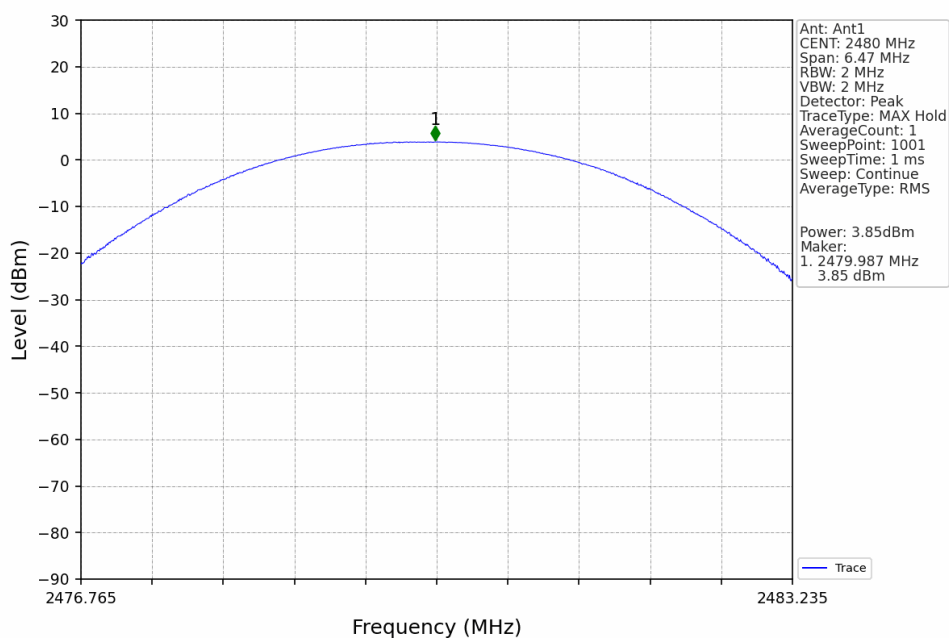
Pi/4DQPSK_2DH5_LCH_2402MHz_Ant1_NTN



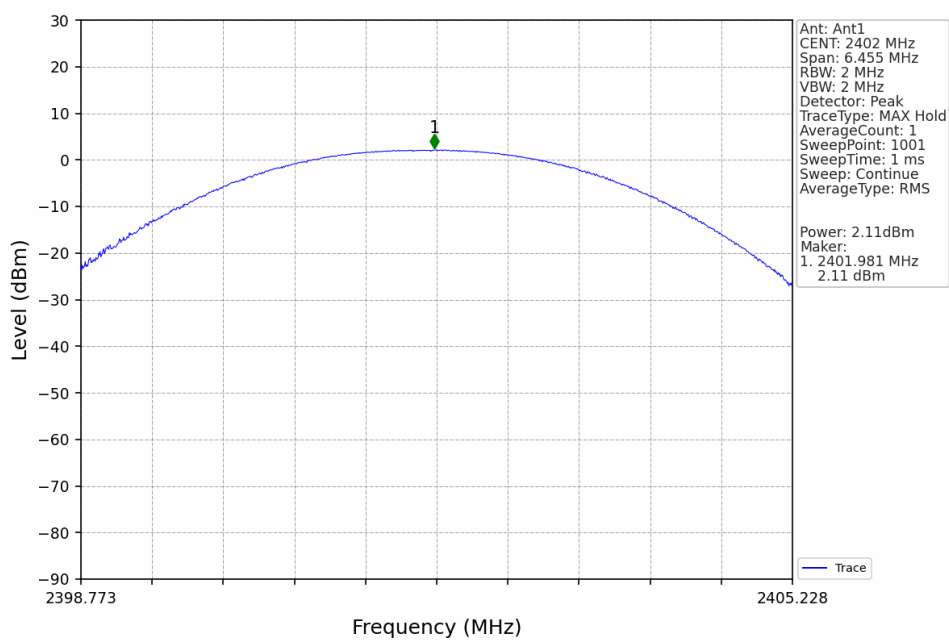
Pi/4DQPSK 2DH5 MCH 2441MHz Ant1 NTV



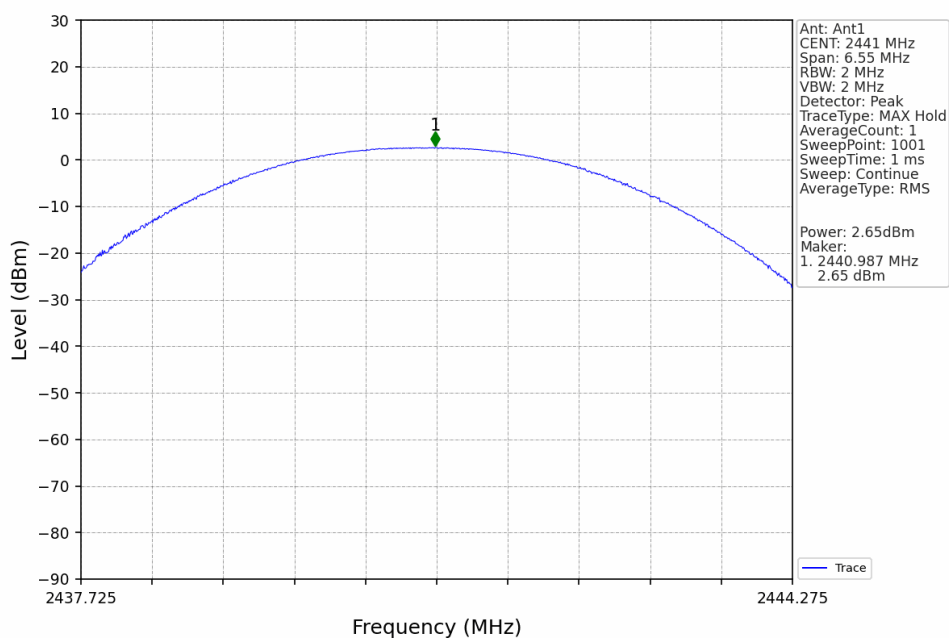
Pi/4DQPSK 2DH5 HCH 2480MHz Ant1 NTV

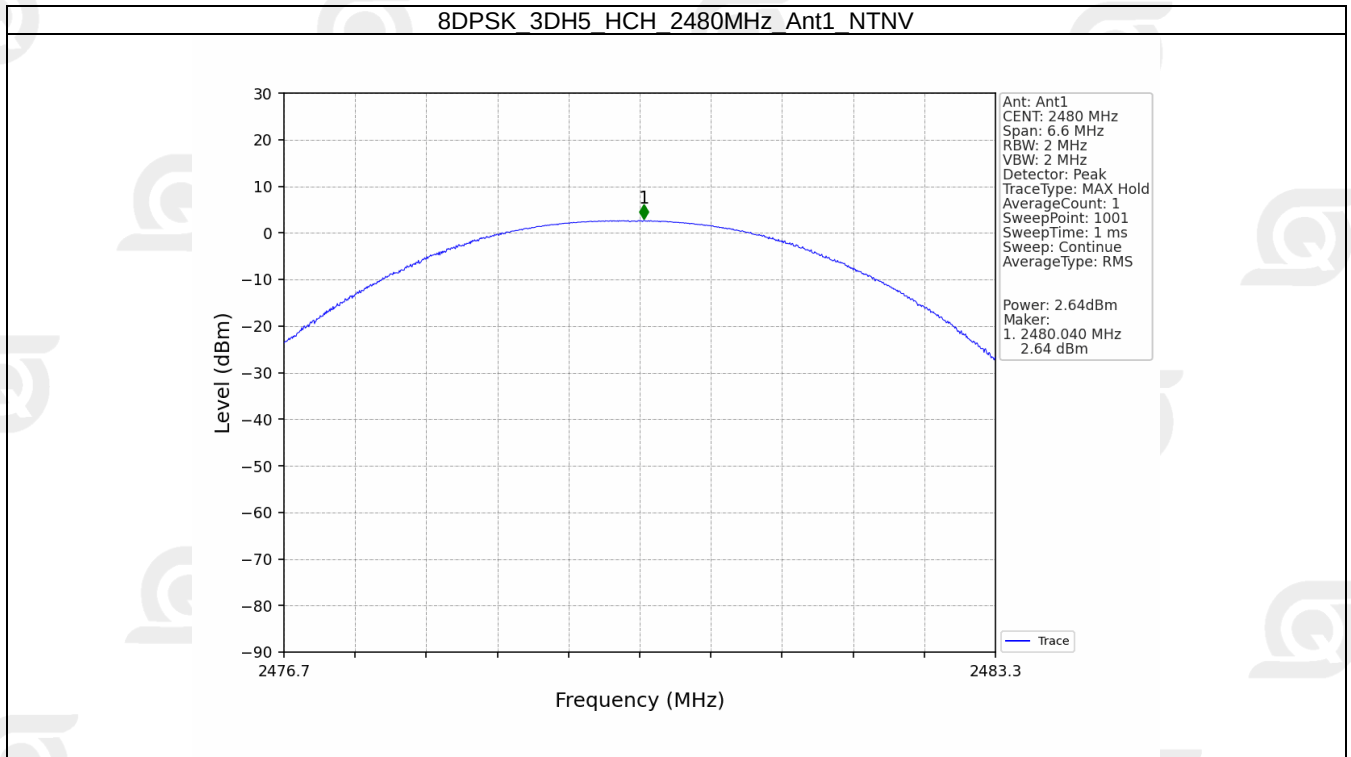


8DPSK 3DH5 LCH 2402MHz Ant1 NTV



8DPSK 3DH5 MCH 2441MHz Ant1 NTV



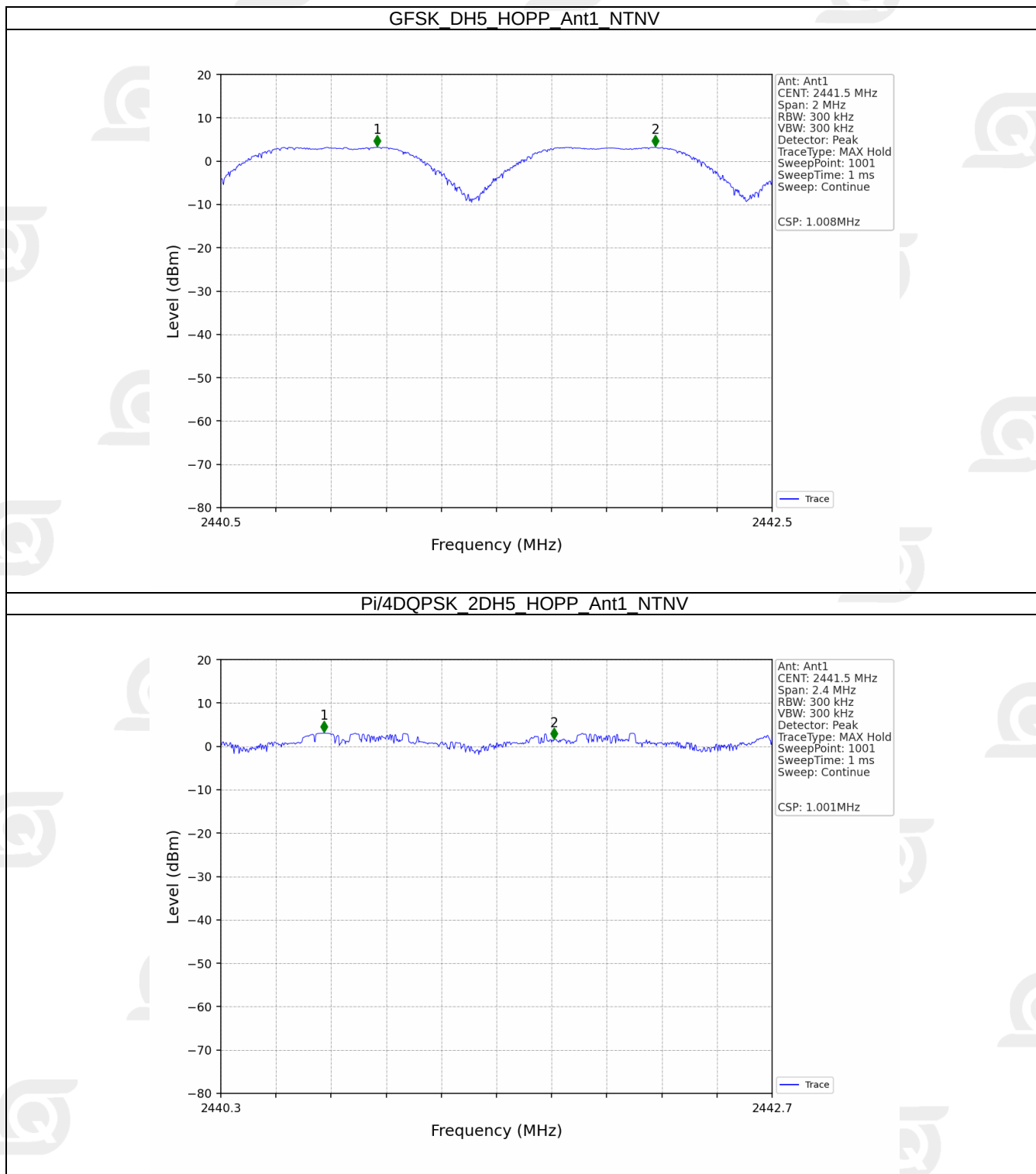


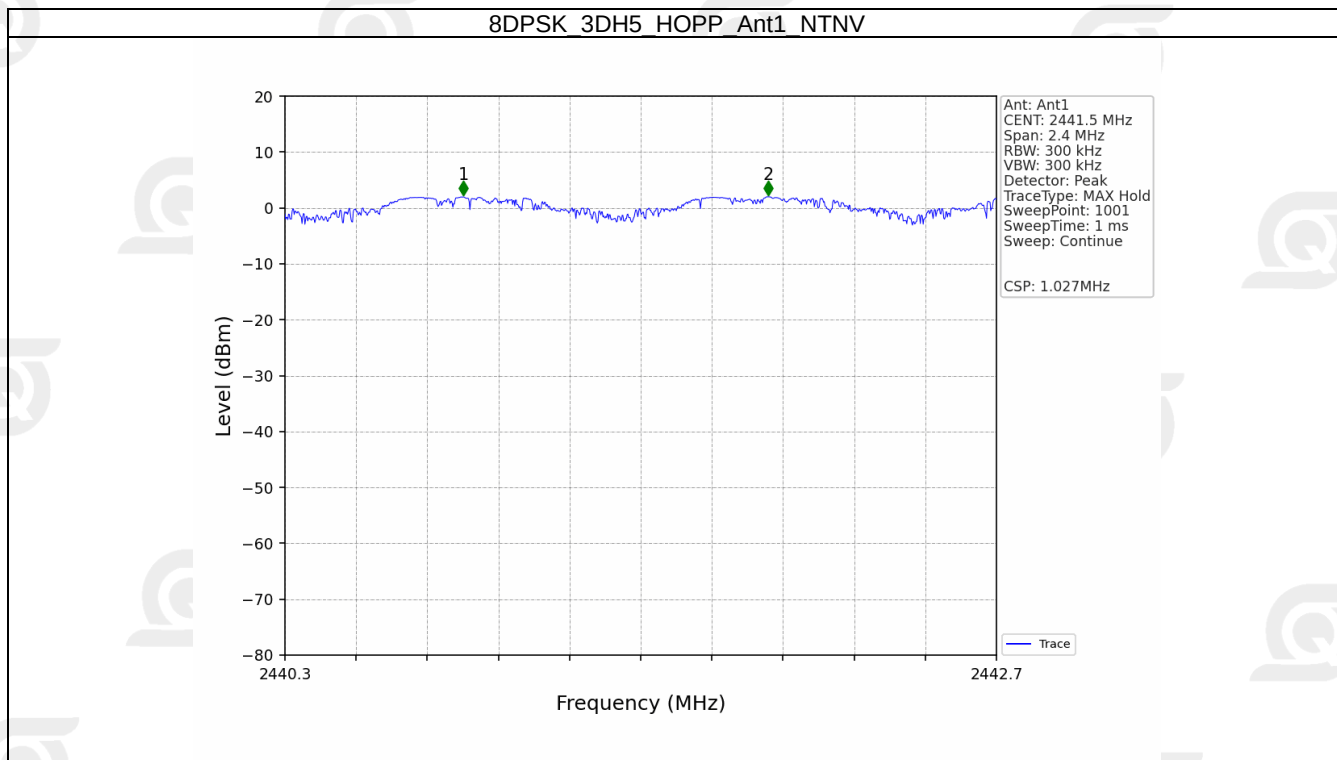
3. Carrier Frequency Separation

3.1 Test Result

Ant1							
Mode	TX Type	Frequency (MHz)	Packet Type	Channel Separation (MHz)	20dB Bandwidth (MHz)	Limit (MHz)	Verdict
GFSK	SISO	HOPP	DH5	1.008	0.994	≥ 0.663	Pass
Pi/4DQPSK	SISO	HOPP	2DH5	1.001	1.318	≥ 0.879	Pass
8DPSK	SISO	HOPP	3DH5	1.027	1.320	≥ 0.88	Pass

3.2 Test Graph



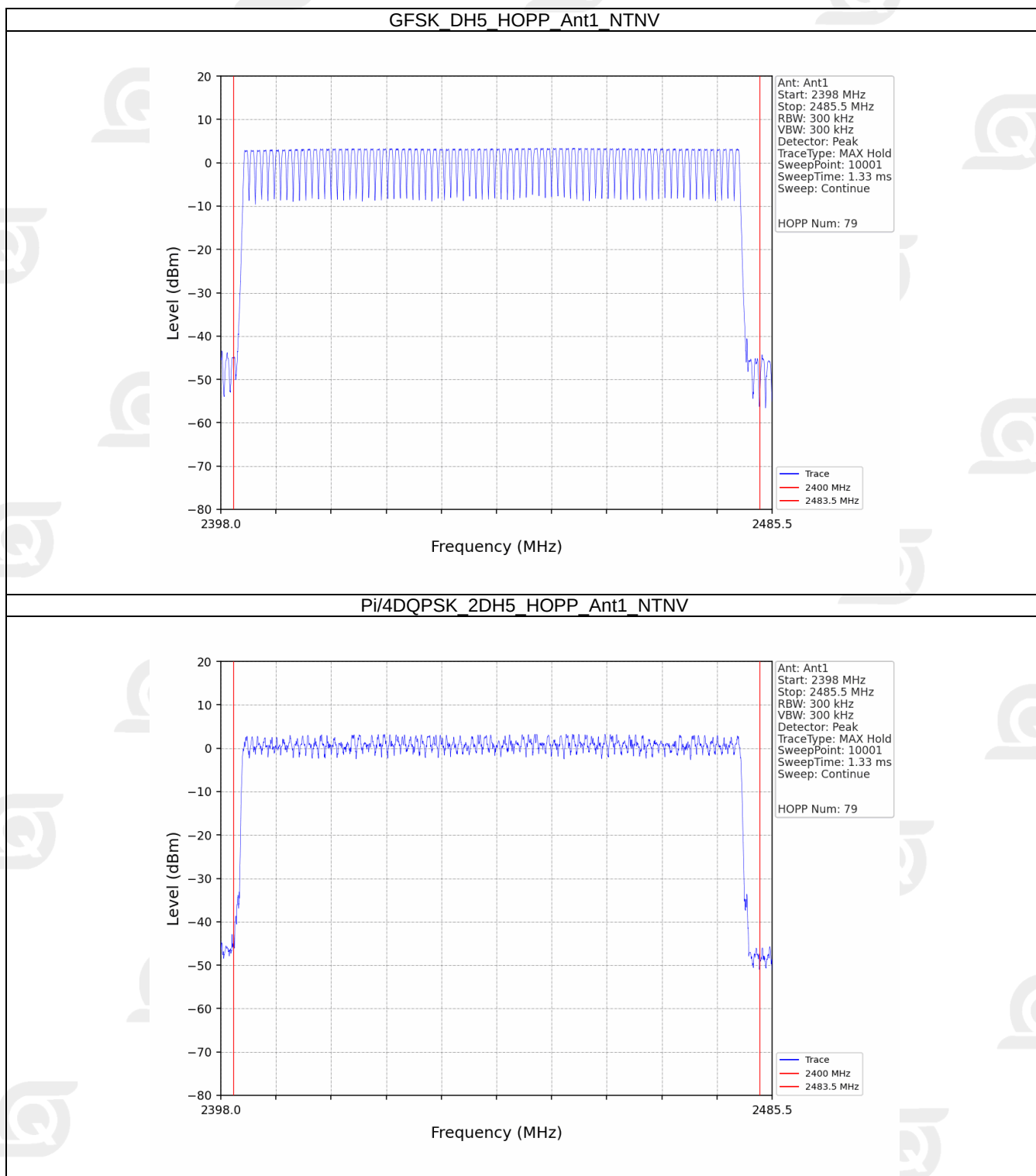


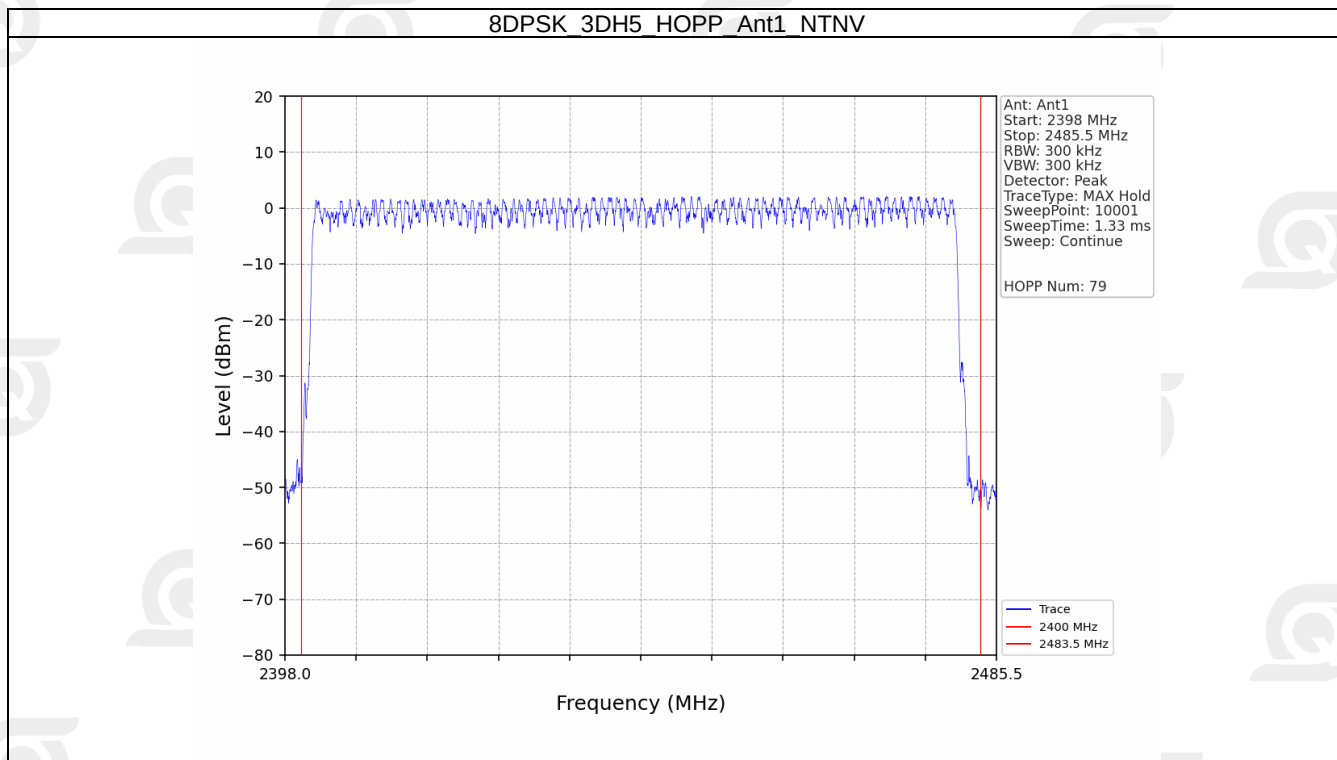
4. Number of Hopping Frequencies

4.1 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

4.2 Test Graph



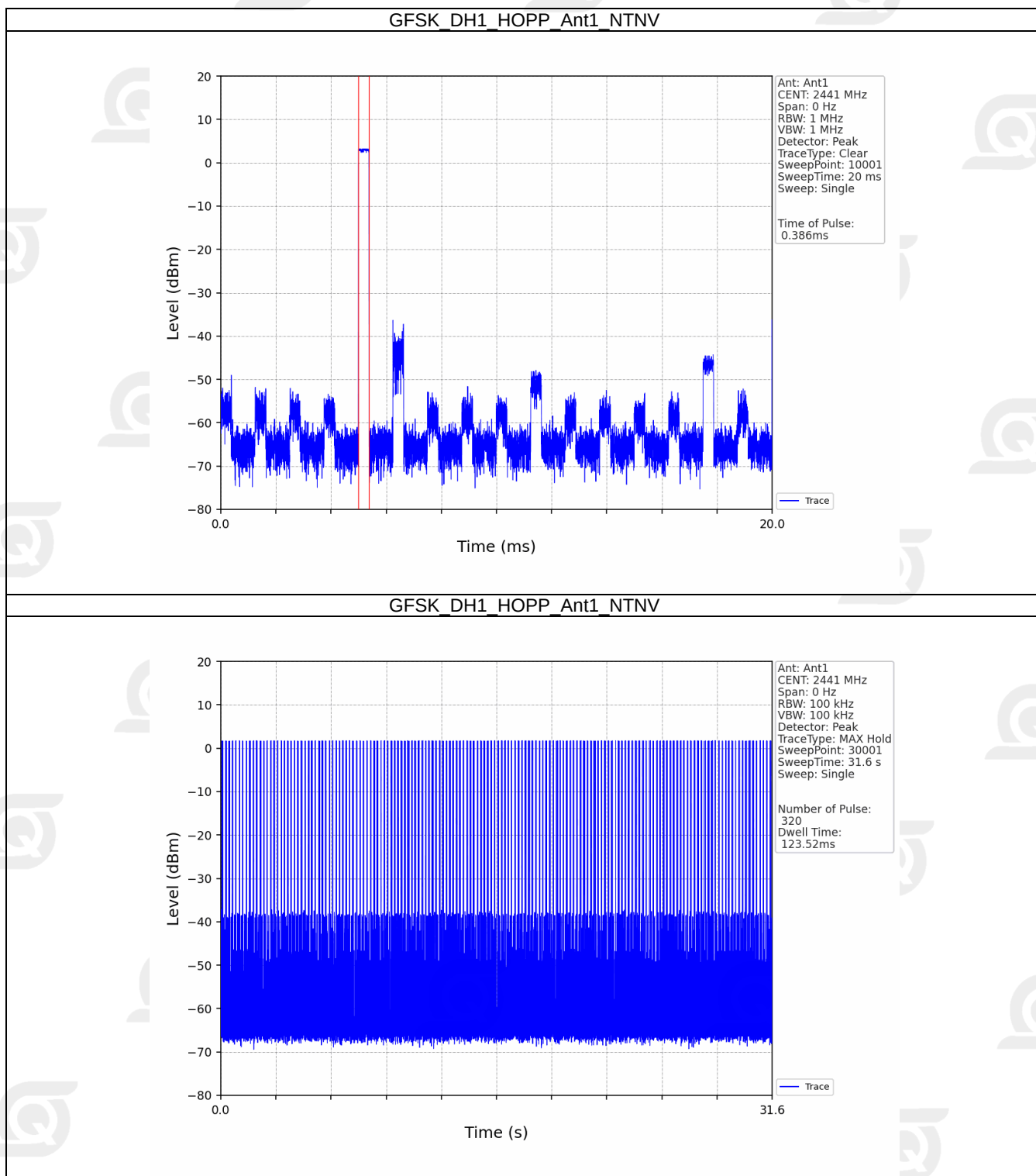


5. Time of Occupancy (Dwell Time)

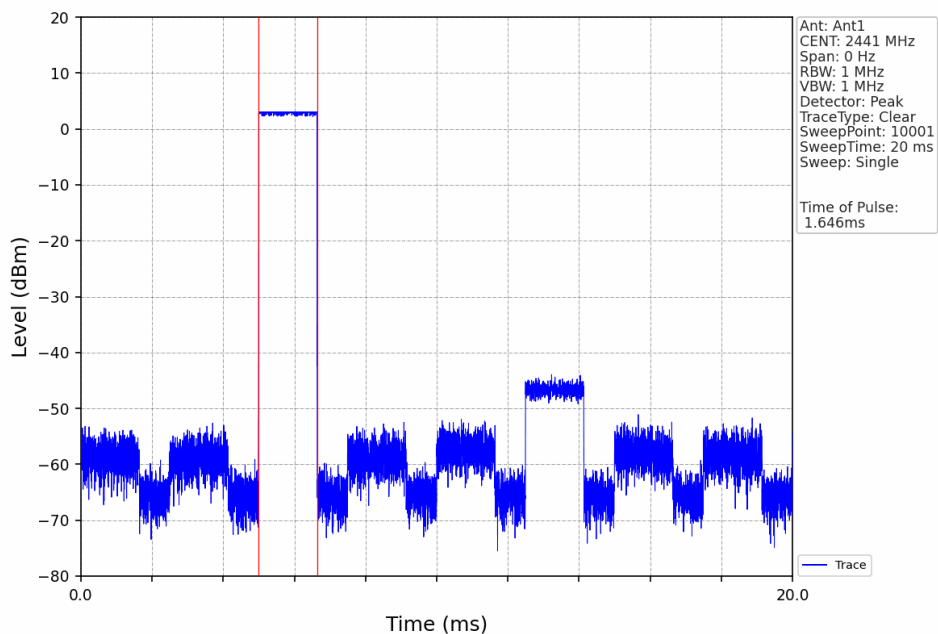
5.1 Test Result

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	320	123.520	<=400	Pass
			DH3	1.646	31.600	163	268.298	<=400	Pass
			DH5	2.894	31.600	98	283.612	<=400	Pass
Pi/4DQPSK	SISO	HOPP	2DH1	0.394	31.600	318	125.292	<=400	Pass
			2DH3	1.652	31.600	160	264.320	<=400	Pass
			2DH5	2.896	31.600	107	309.872	<=400	Pass
8DPSK	SISO	HOPP	3DH1	6.676	31.600	52	347.152	<=400	Pass
			3DH3	0.656	31.600	166	108.896	<=400	Pass
			3DH5	0.904	31.600	107	96.728	<=400	Pass

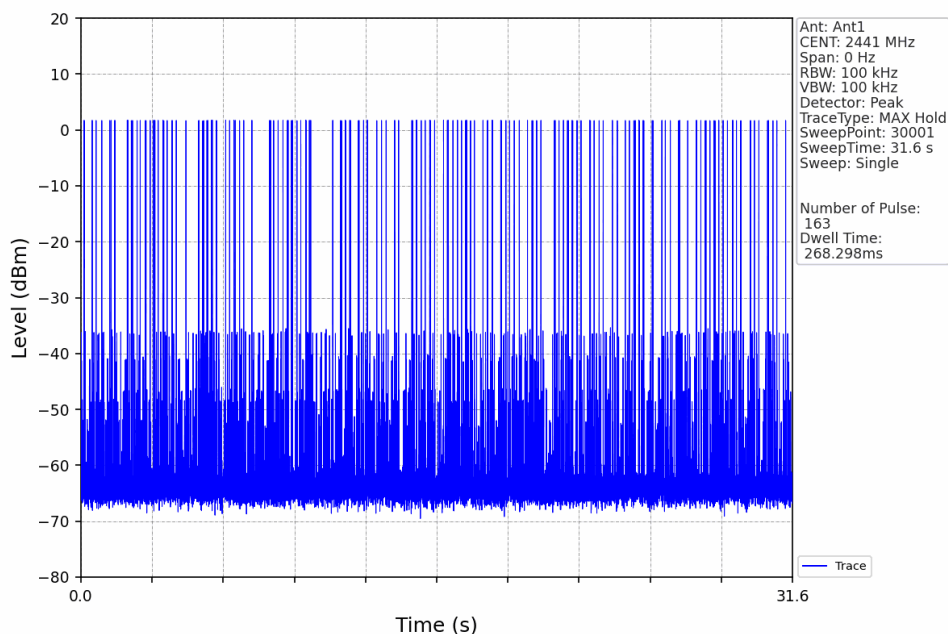
5.2 Test Graph



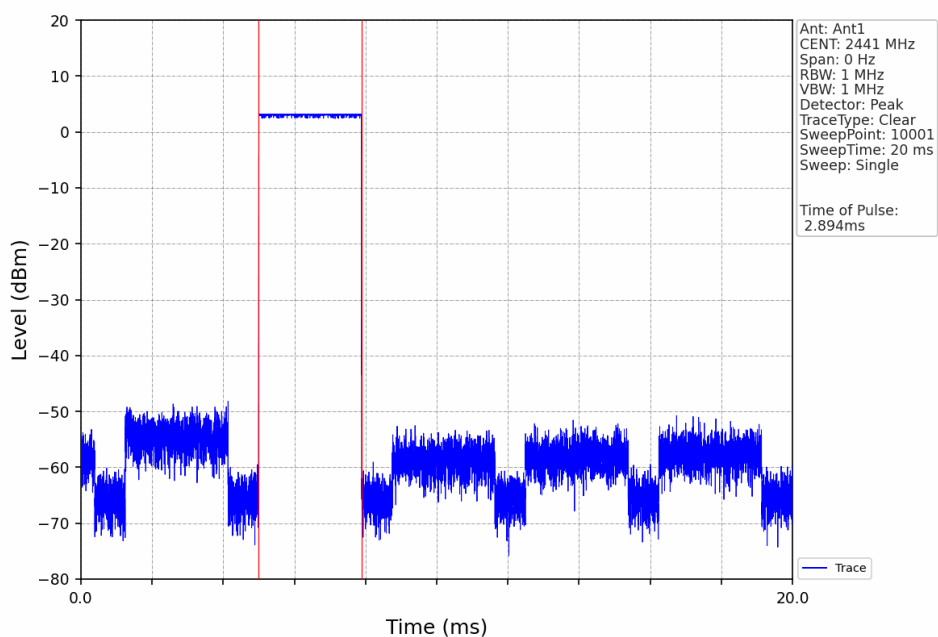
GFSK DH3 HOPP Ant1 NTN



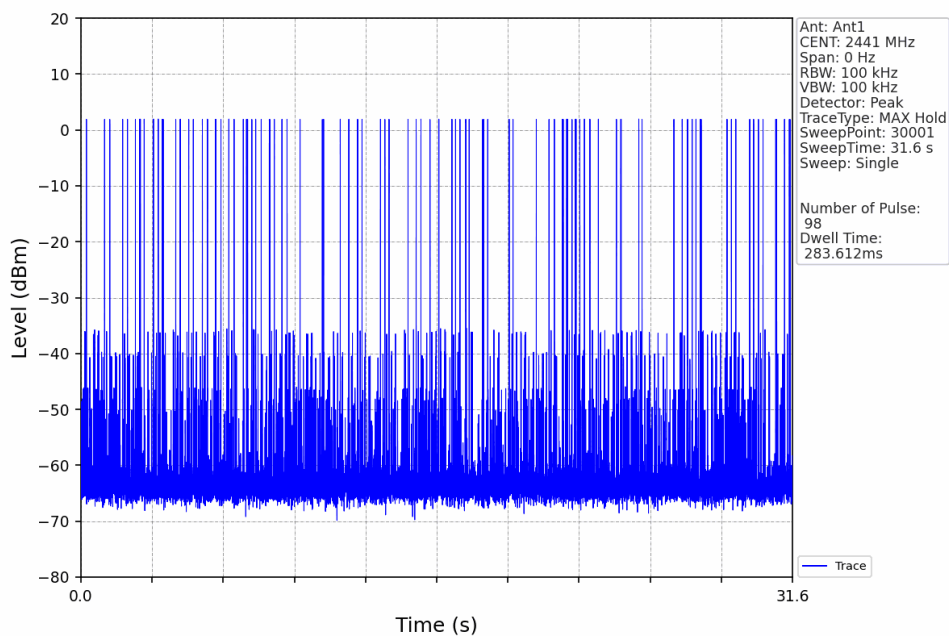
GFSK DH3 HOPP Ant1 NTN



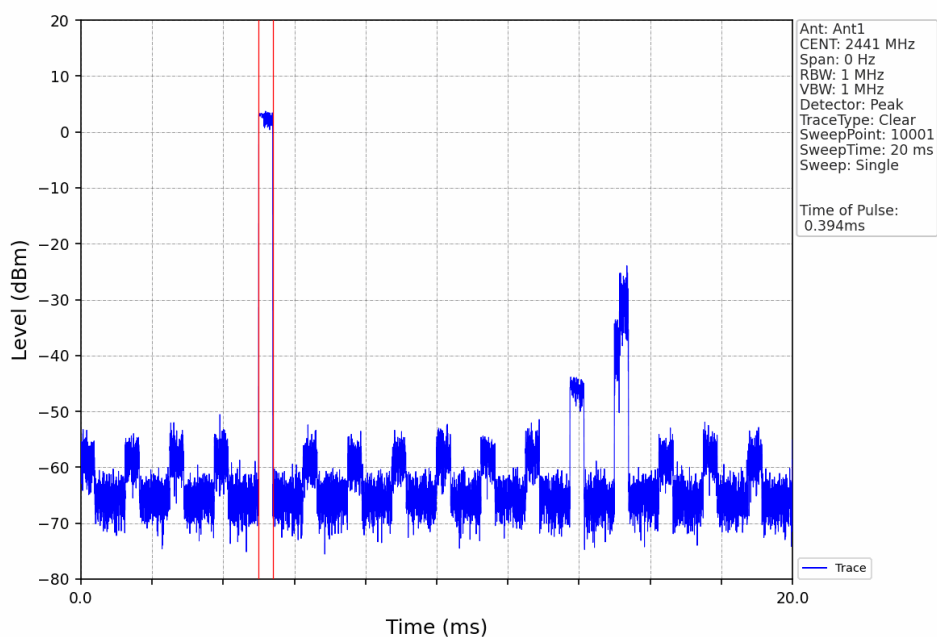
GFSK DH5 HOPP Ant1 NTV



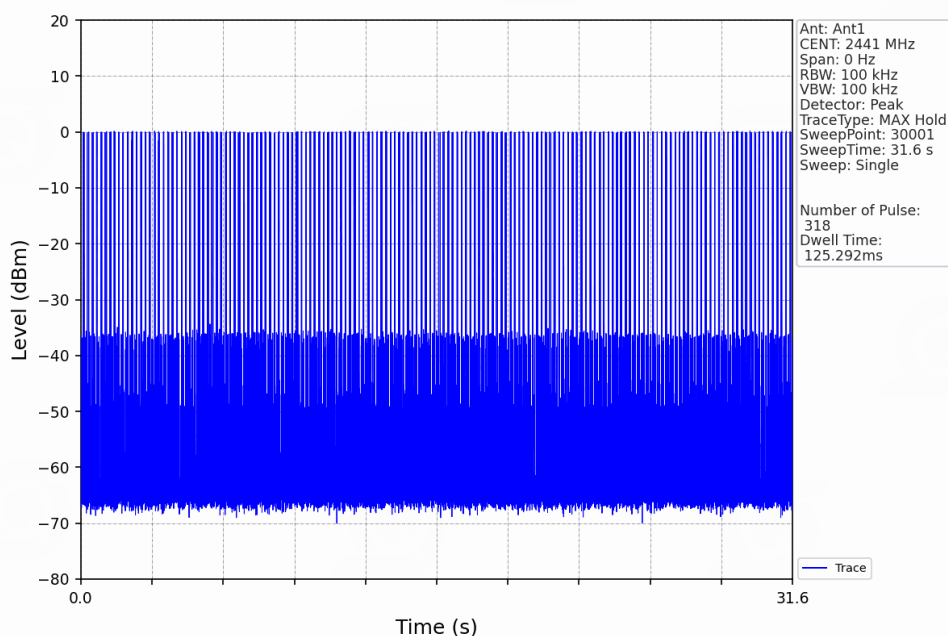
GFSK DH5 HOPP Ant1 NTV



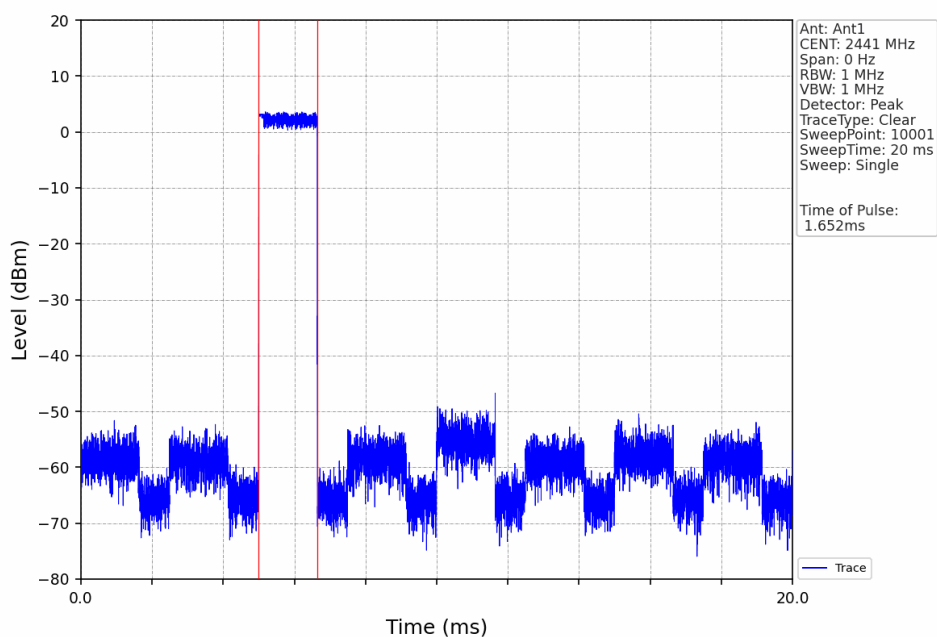
Pi/4DQPSK_2DH1_HOPP_Ant1_NTNV



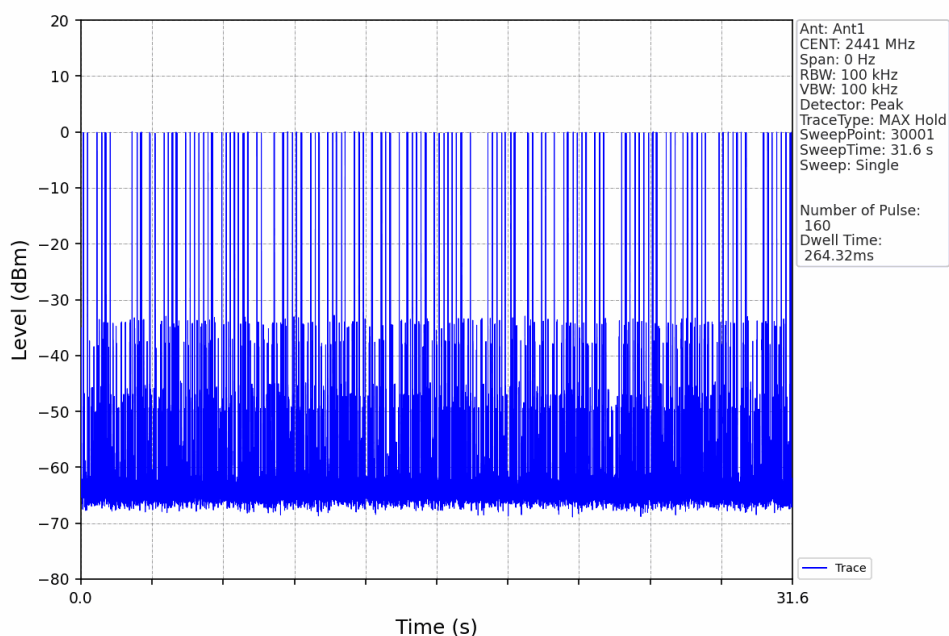
Pi/4DQPSK_2DH1_HOPP_Ant1_NTNV



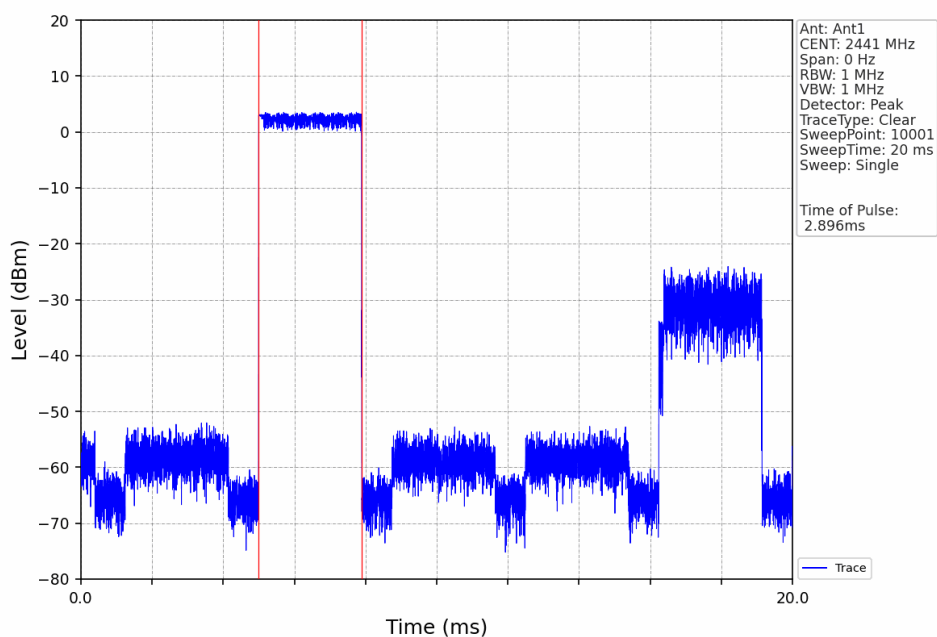
Pi/4DQPSK 2DH3 HOPP Ant1 NTN



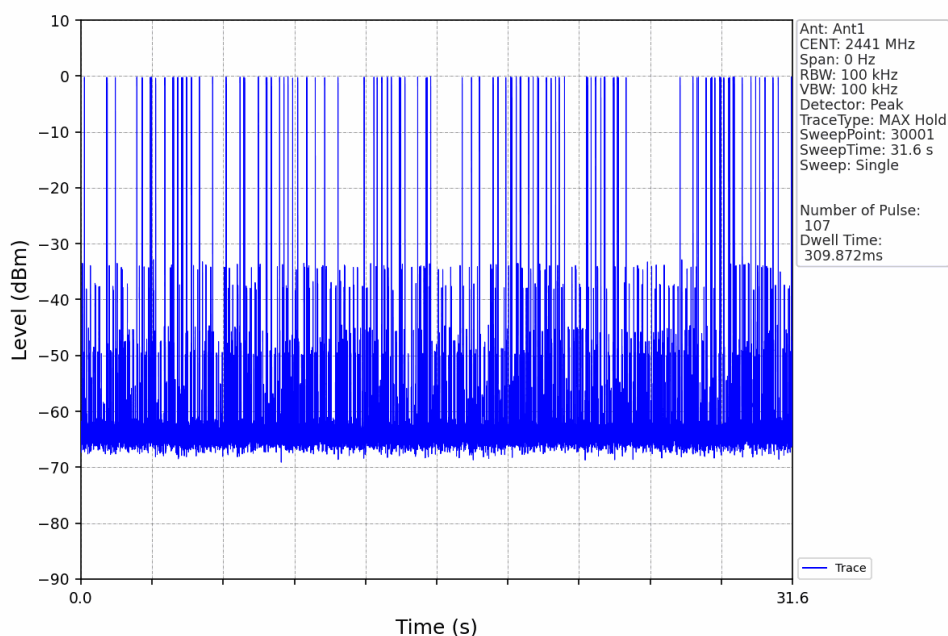
Pi/4DQPSK 2DH3 HOPP Ant1 NTN



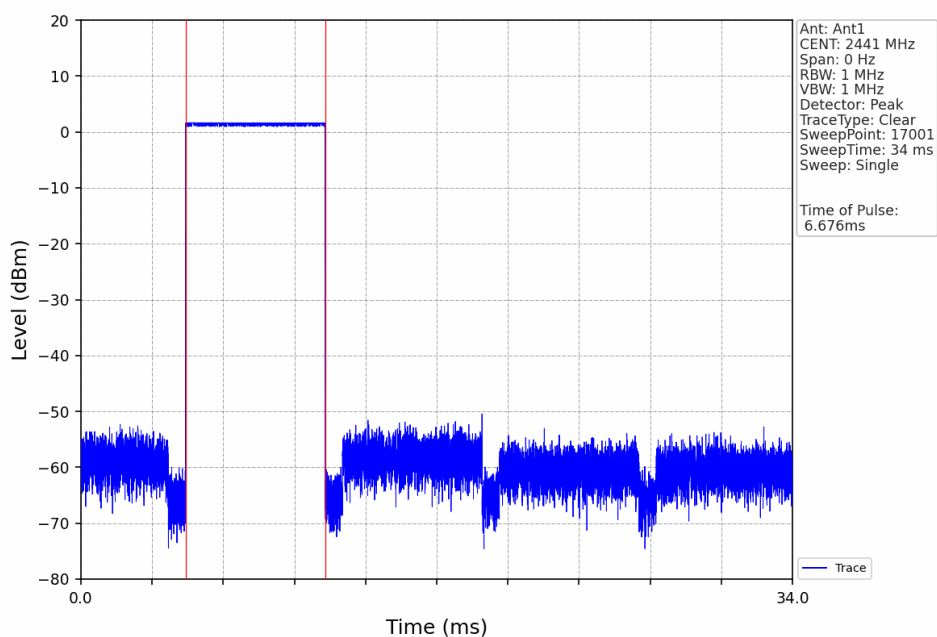
Pi/4DQPSK_2DH5_HOPP_Ant1_NTNV



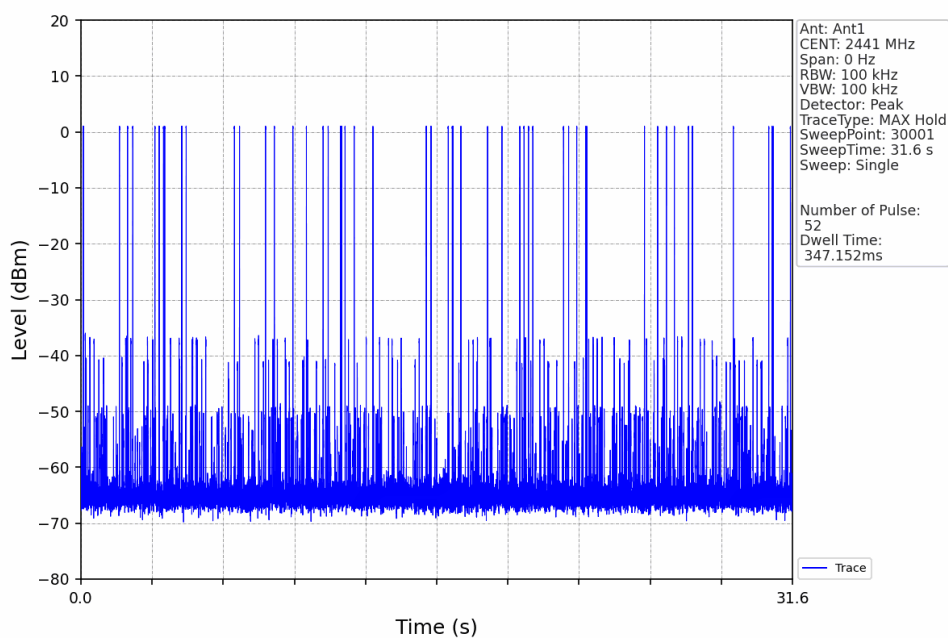
Pi/4DQPSK_2DH5_HOPP_Ant1_NTNV



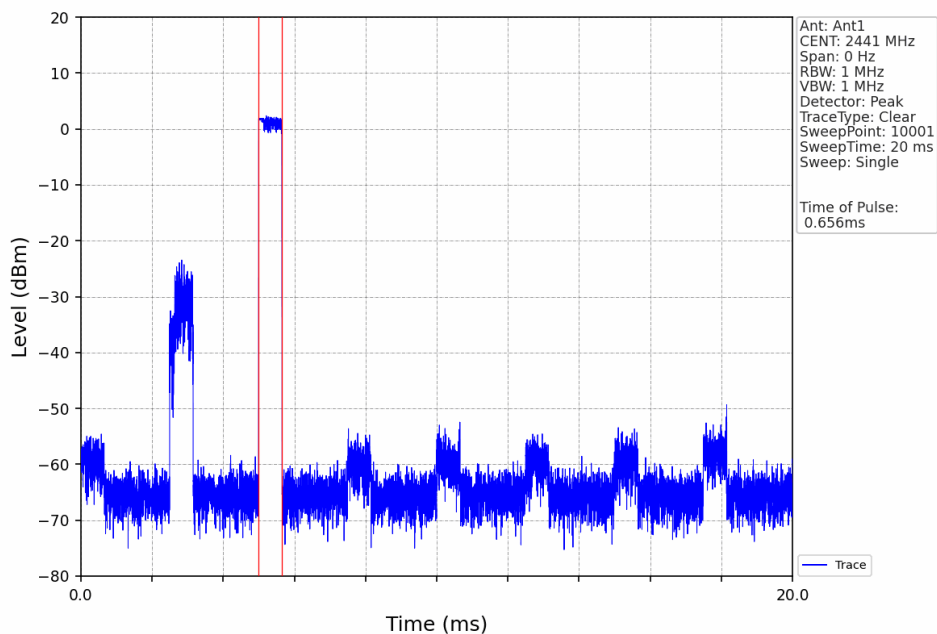
8DPSK 3DH1 HOPP Ant1 NTN



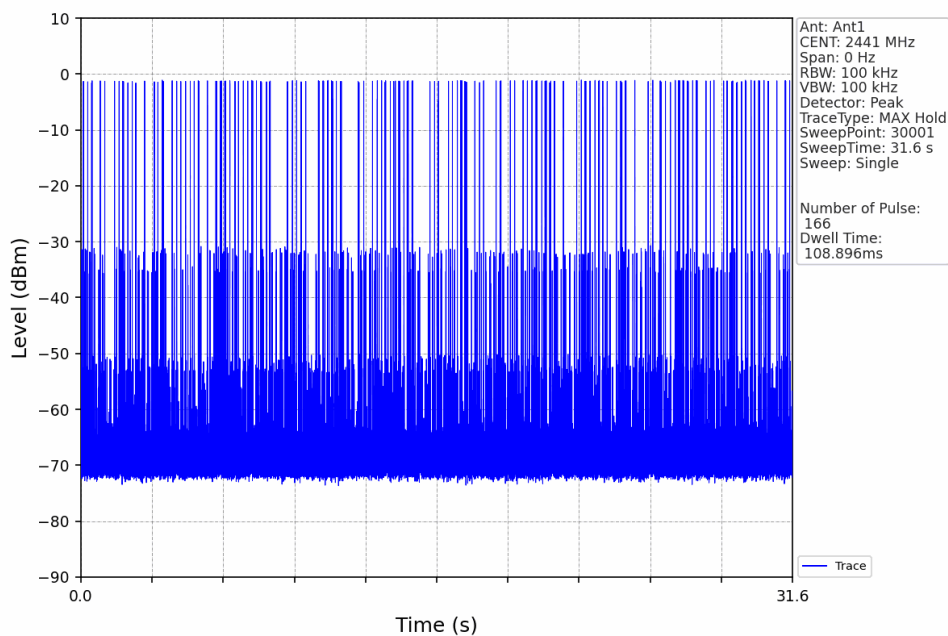
8DPSK 3DH1 HOPP Ant1 NTN



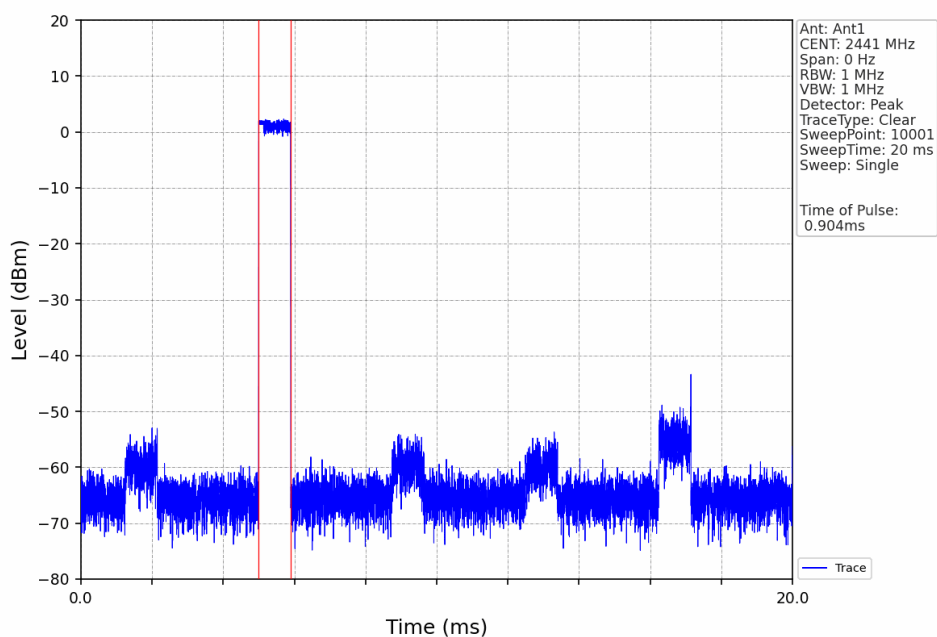
8DPSK 3DH3 HOPP Ant1 NTV



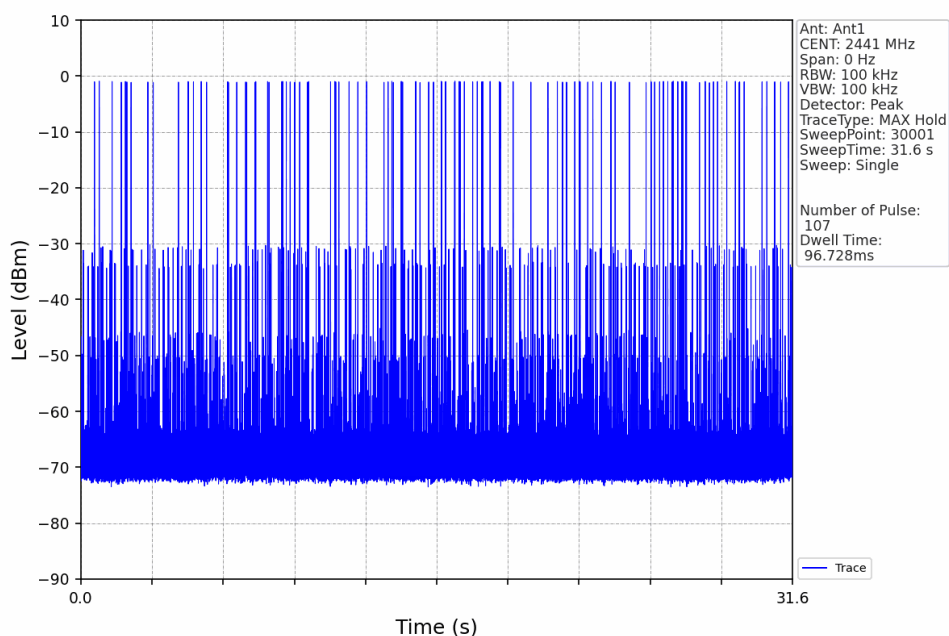
8DPSK 3DH3 HOPP Ant1 NTV



8DPSK 3DH5 HOPP Ant1 NTN



8DPSK 3DH5 HOPP Ant1 NTN



6. Unwanted Emissions In Non-restricted Frequency Bands

6.1 Test Result

6.1.1 Ref

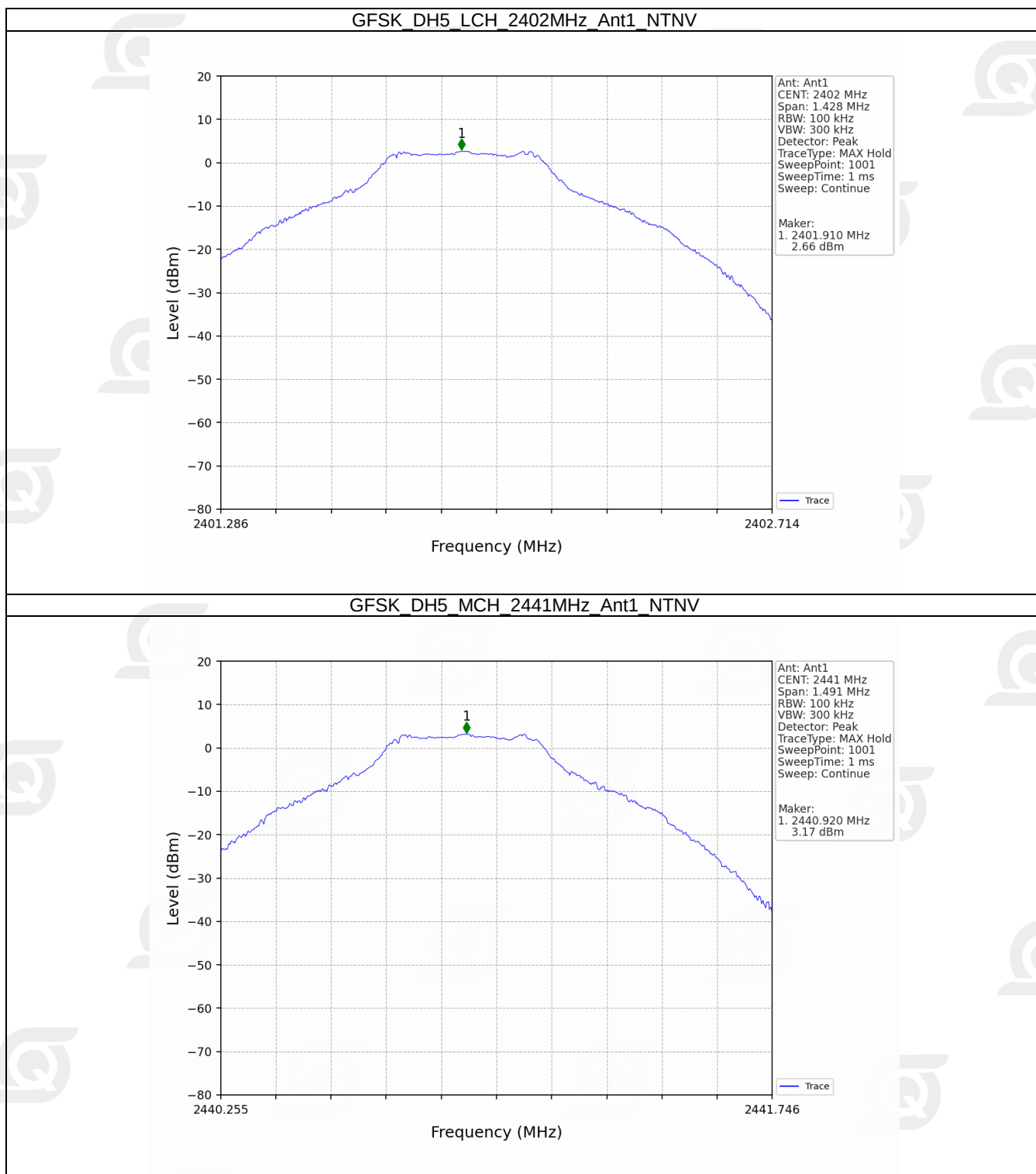
Mode	TX Type	Frequency (MHz)	Packet Type	ANT	Level of Reference (dBm)
GFSK	SISO	2402	DH5	1	2.66
		2441	DH5	1	3.17
		2480	DH5	1	3.07
		HOPP	DH5	1	3.30
					3.30
Pi/4DQPSK	SISO	2402	2DH5	1	2.69
		2441	2DH5	1	3.03
		2480	2DH5	1	2.94
		HOPP	2DH5	1	3.11
					3.11
8DPSK	SISO	2402	3DH5	1	1.35
		2441	3DH5	1	1.92
		2480	3DH5	1	1.93
		HOPP	3DH5	1	1.96
					1.96

6.1.2 CSE

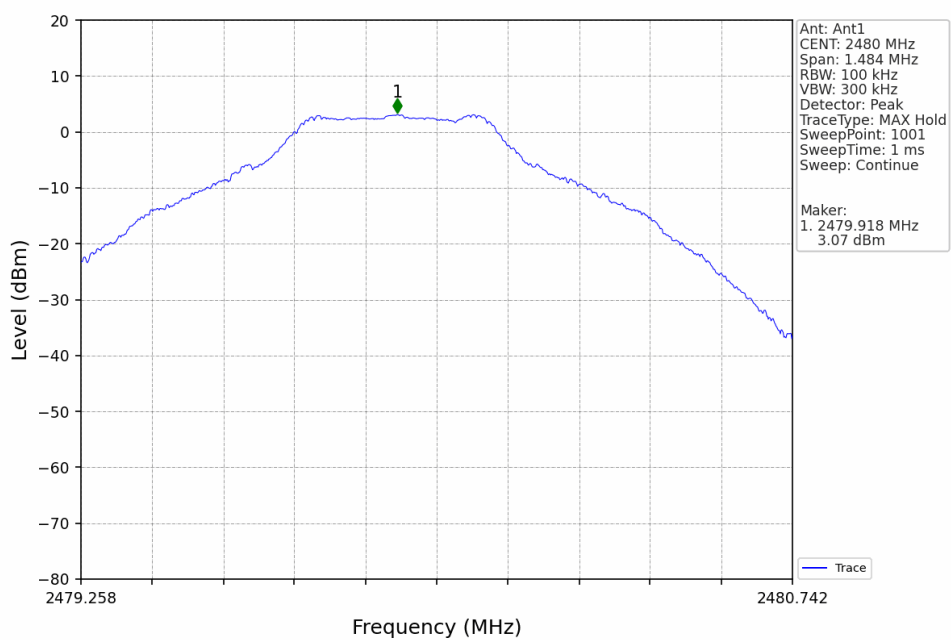
Mode	TX Type	Frequency (MHz)	Packet Type	ANT	Level of Reference (dBm)	Limit (dBm)	Verdict
GFSK	SISO	2402	DH5	1	2.66	-17.34	Pass
		2441	DH5	1	3.17	-16.83	Pass
		2480	DH5	1	3.07	-16.93	Pass
		HOPP	DH5	1	3.30	-16.70	Pass
					3.30	-16.70	Pass
Pi/4DQPSK	SISO	2402	2DH5	1	2.69	-17.31	Pass
		2441	2DH5	1	3.03	-16.97	Pass
		2480	2DH5	1	2.94	-17.06	Pass
		HOPP	2DH5	1	3.11	-16.89	Pass
					3.11	-16.89	Pass
8DPSK	SISO	2402	3DH5	1	1.35	-18.65	Pass
		2441	3DH5	1	1.92	-18.08	Pass
		2480	3DH5	1	1.93	-18.07	Pass
		HOPP	3DH5	1	1.96	-18.04	Pass
					1.96	-18.04	Pass

6.2 Test Graph

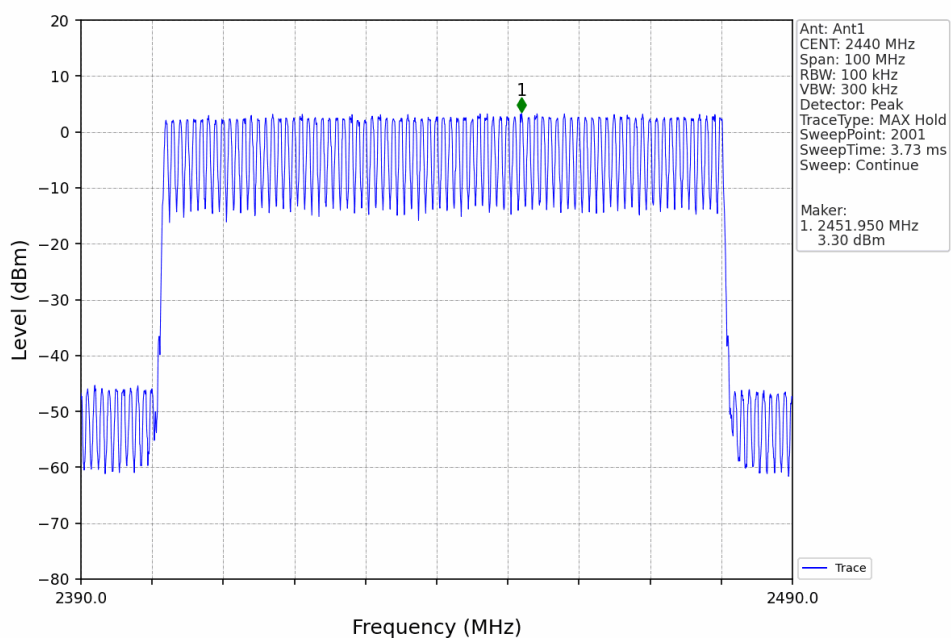
6.2.1 Ref



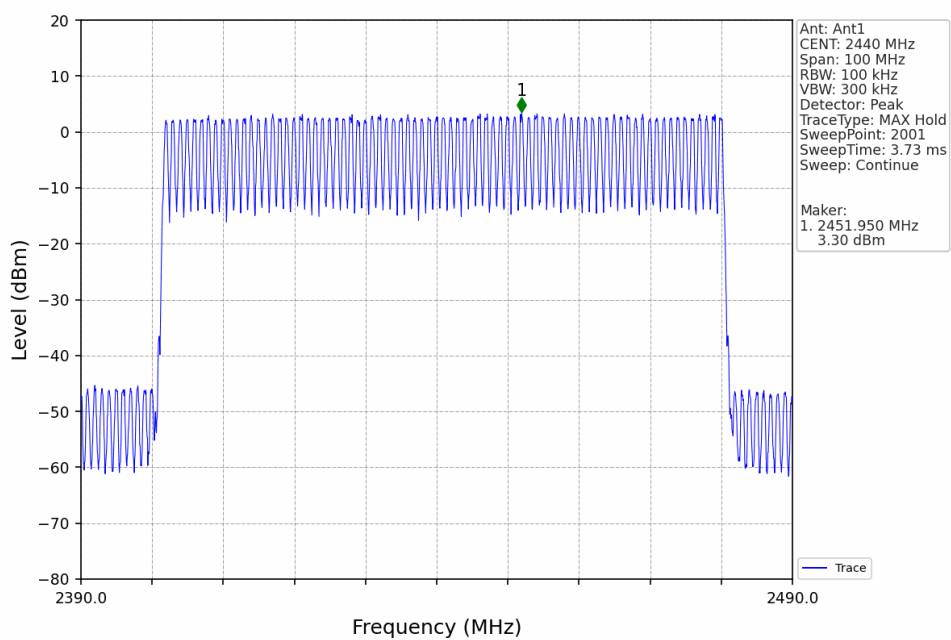
GFSK DH5 HCH 2480MHz Ant1 NTV



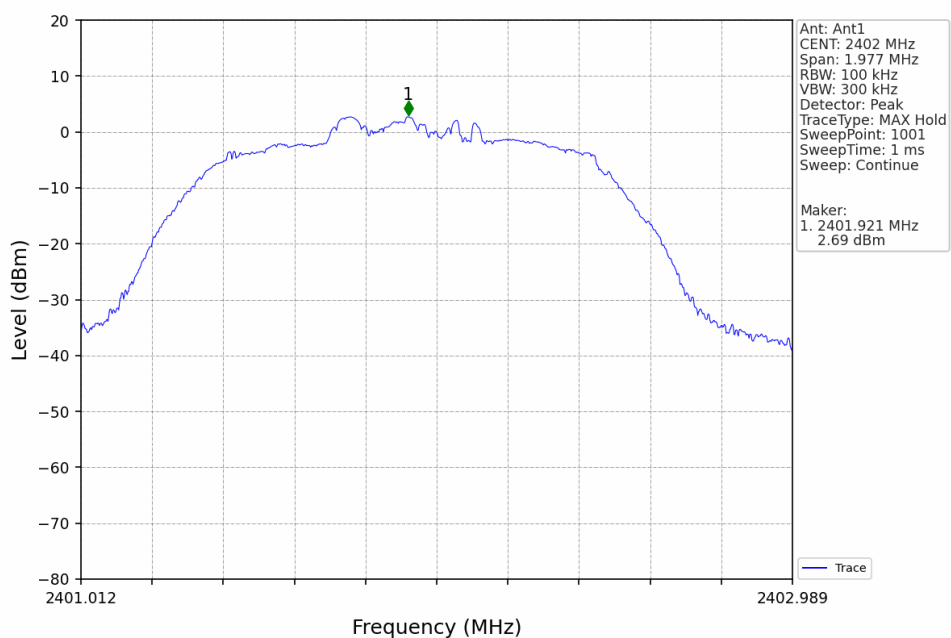
GFSK DH5 HOPP Ant1 NTV



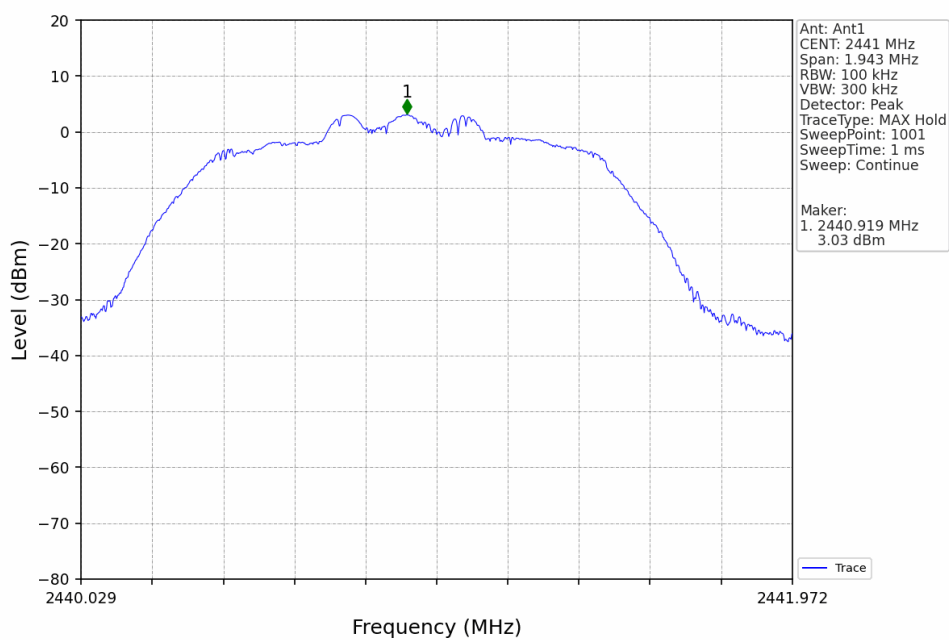
GFSK DH5 HOPP Ant1 NTN



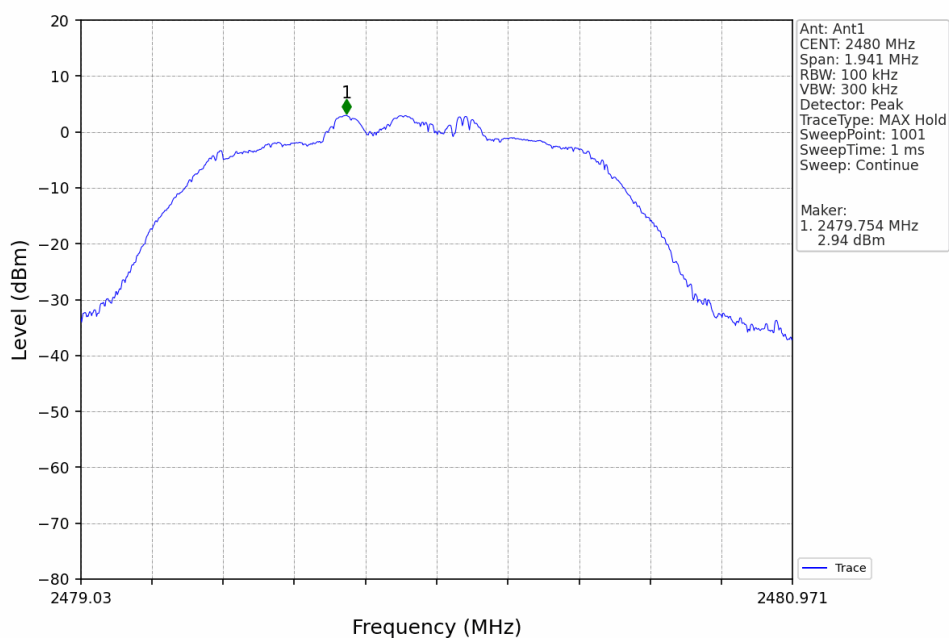
Pi/4DQPSK_2DH5_LCH_2402MHz_Ant1 NTN

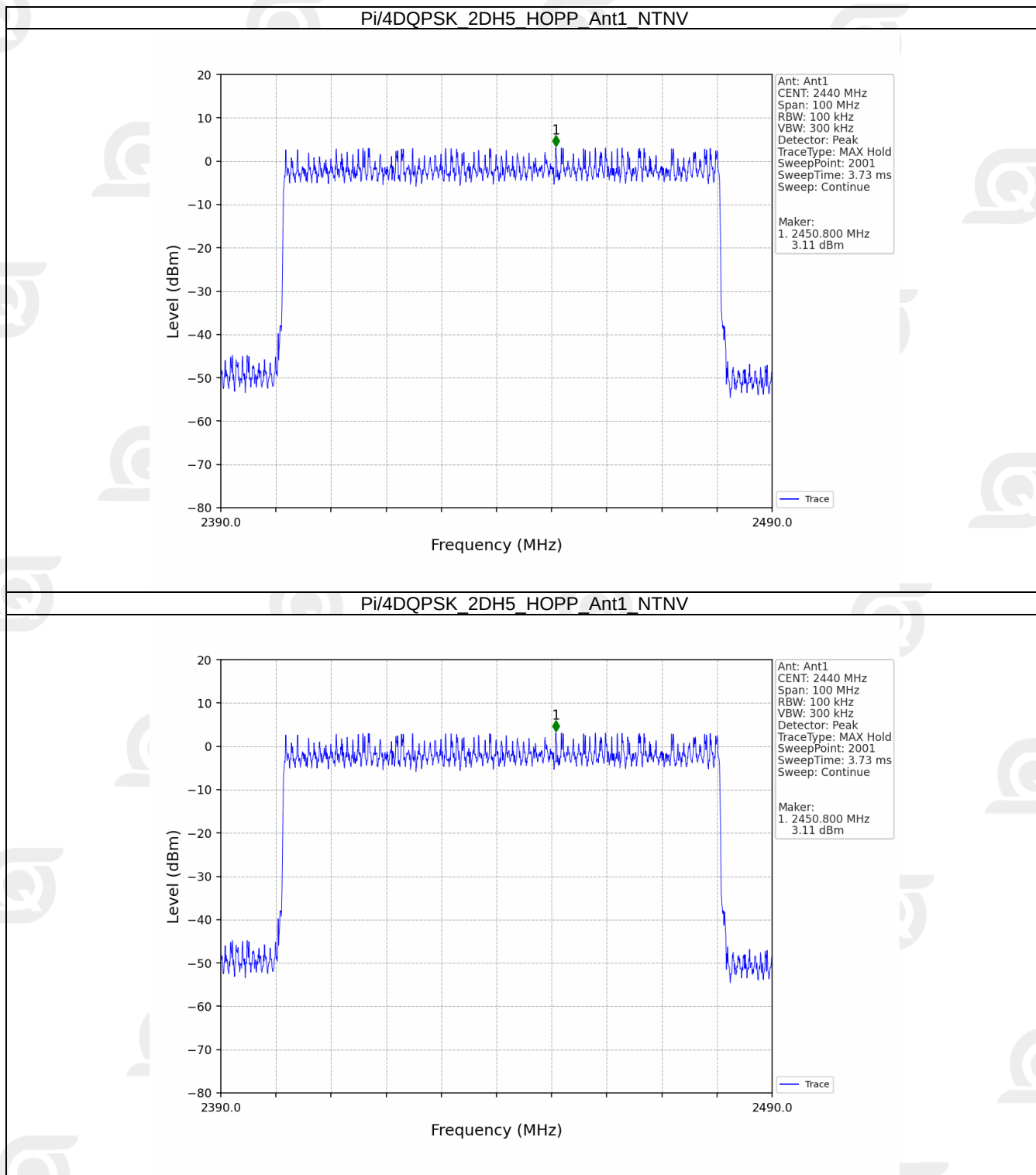


Pi/4DQPSK 2DH5 MCH 2441MHz Ant1 NTV

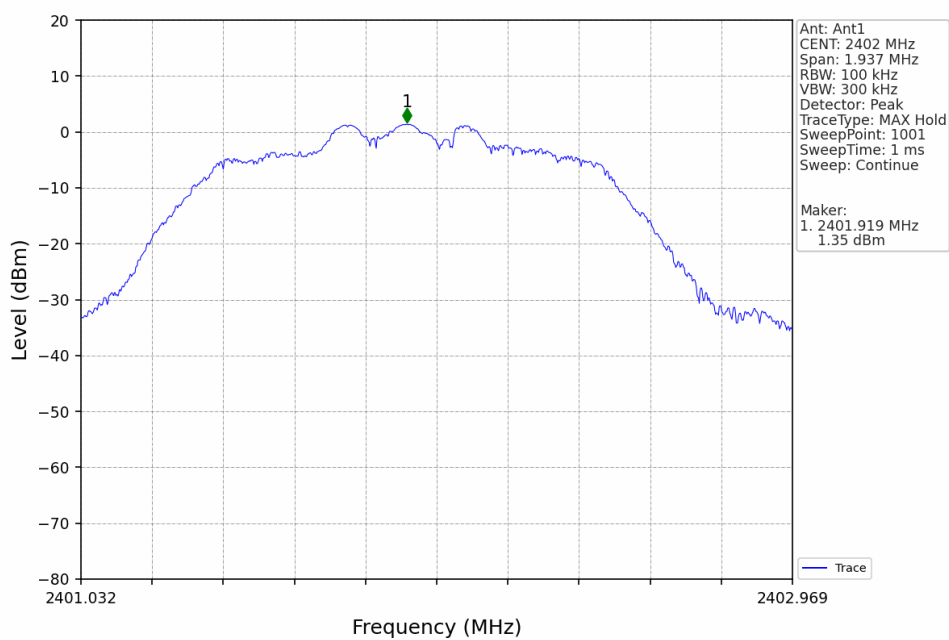


Pi/4DQPSK 2DH5 HCH 2480MHz Ant1 NTV

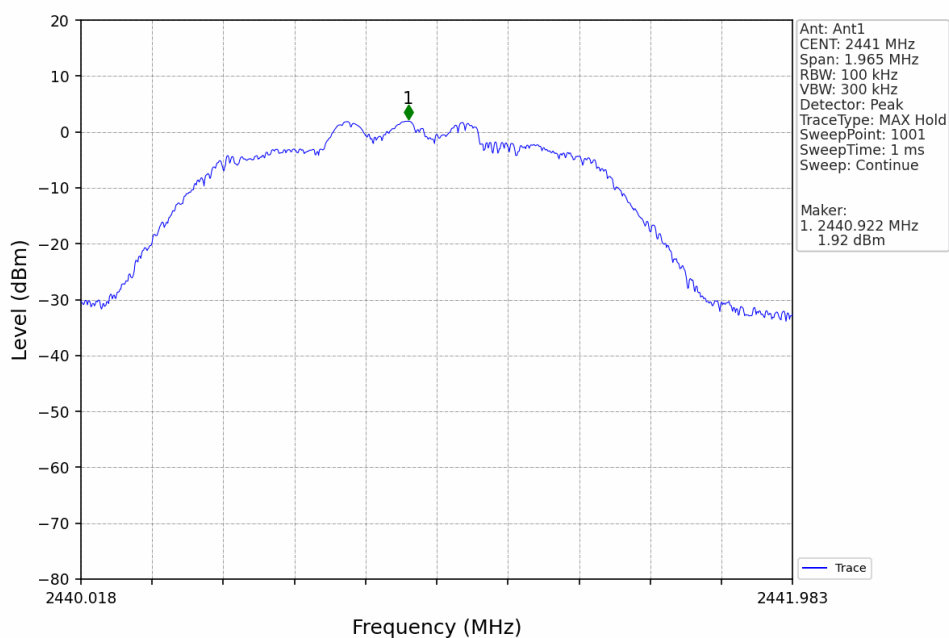




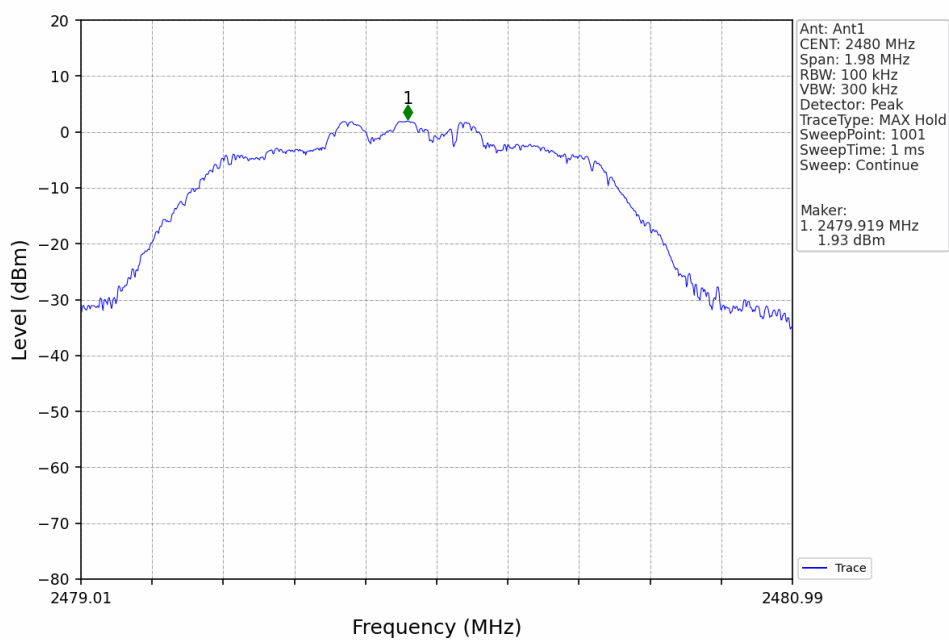
8DPSK 3DH5 LCH 2402MHz Ant1 NTV



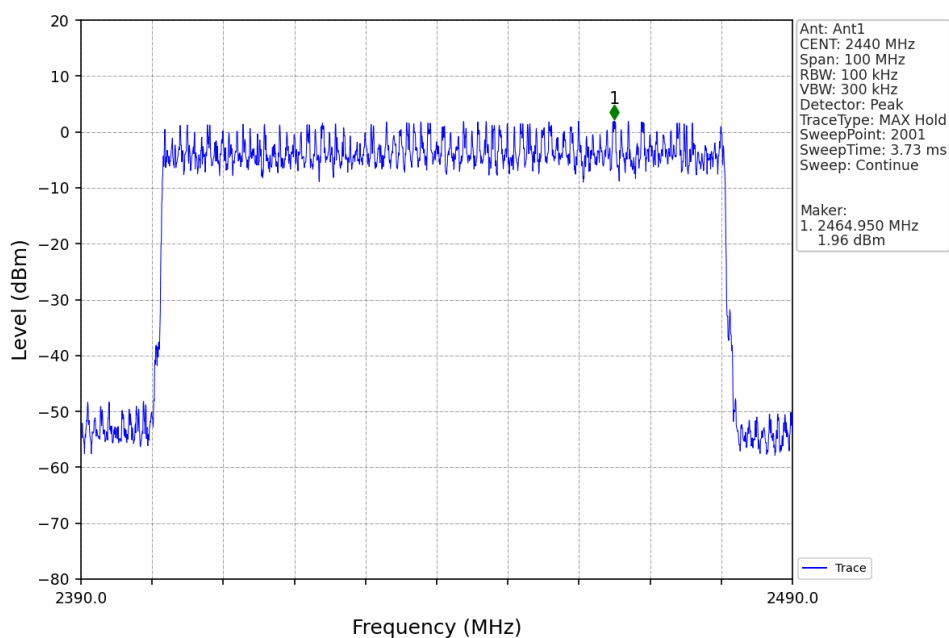
8DPSK 3DH5 MCH 2441MHz Ant1 NTV

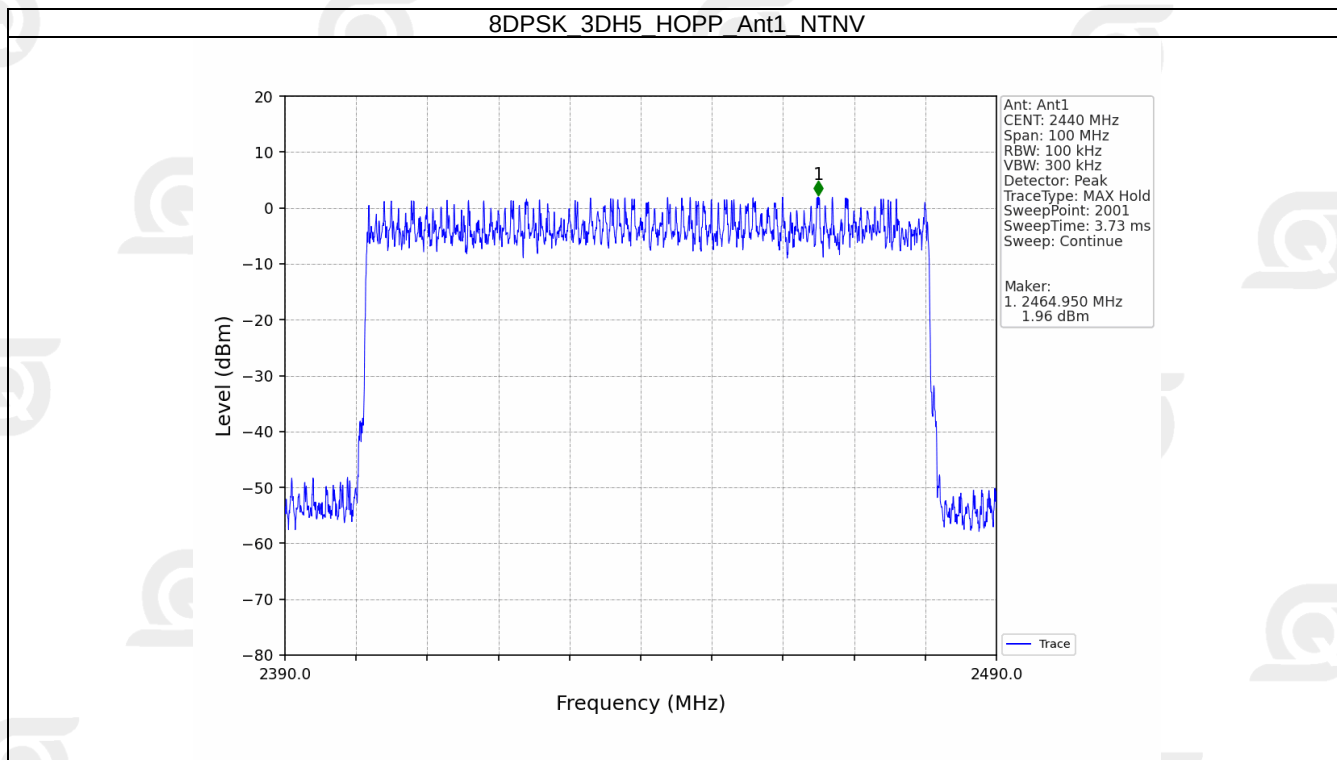


8DPSK 3DH5 HCH 2480MHz Ant1 NTV

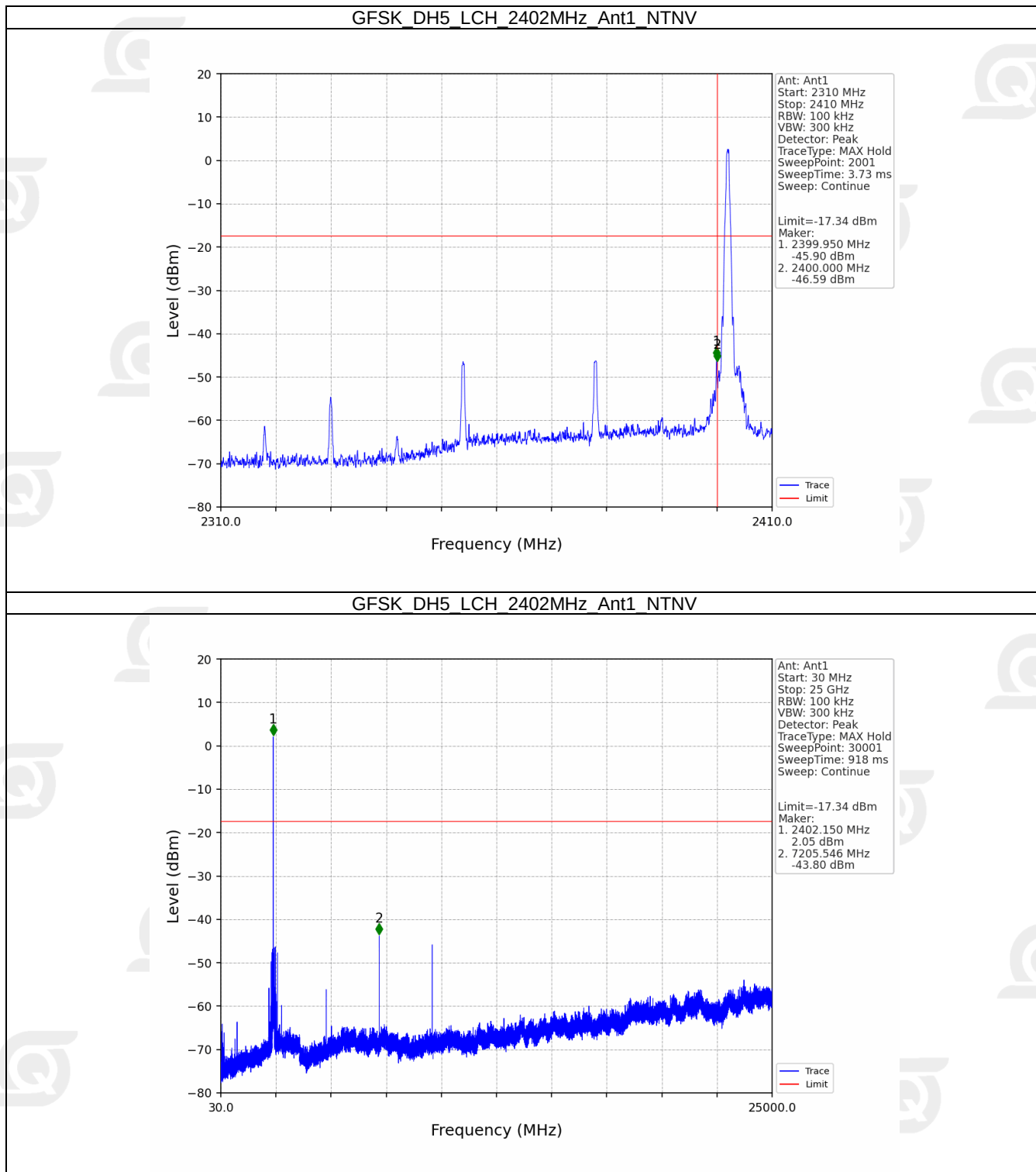


8DPSK 3DH5 HOPP Ant1 NTV

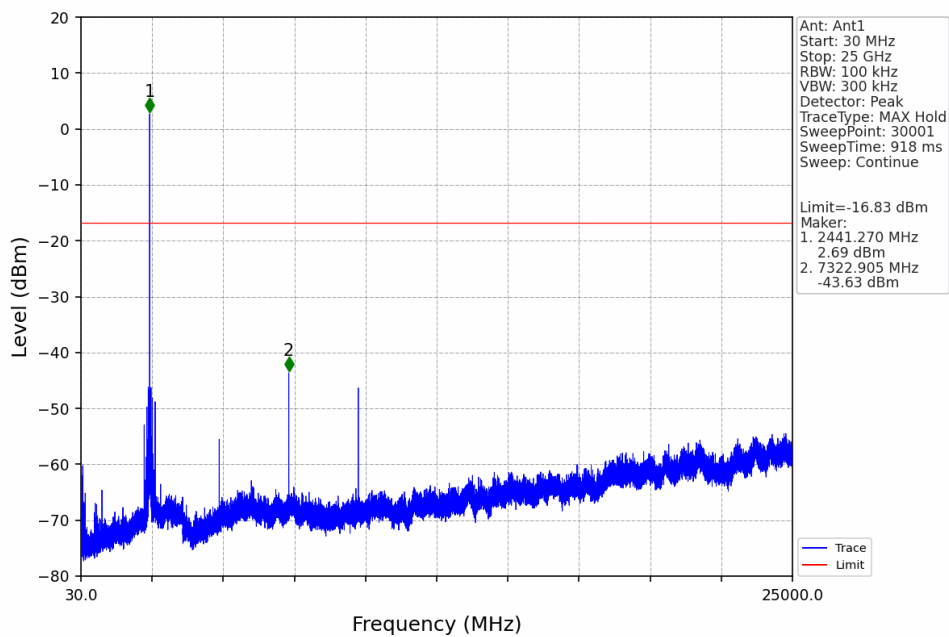




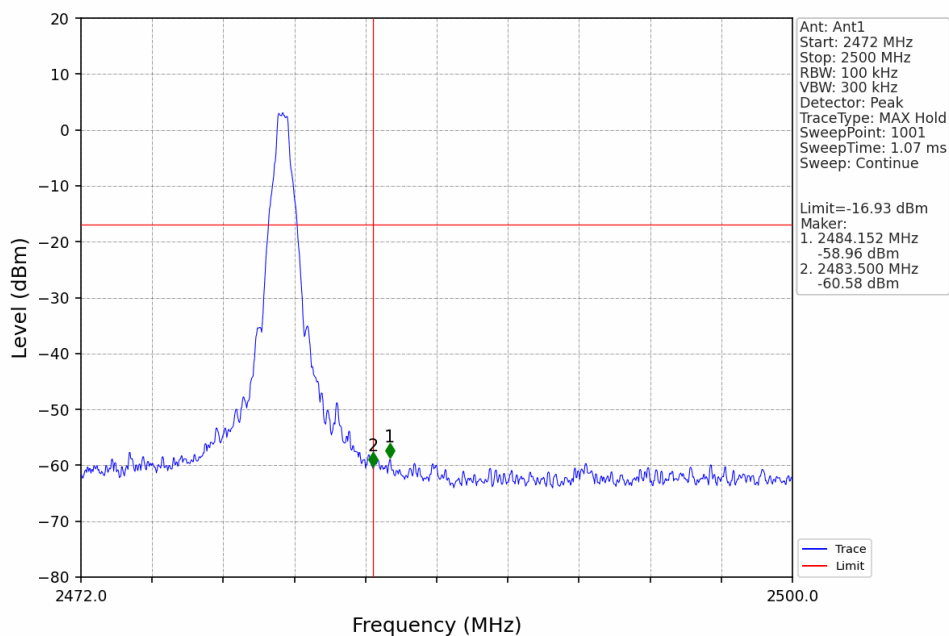
6.2.2 CSE



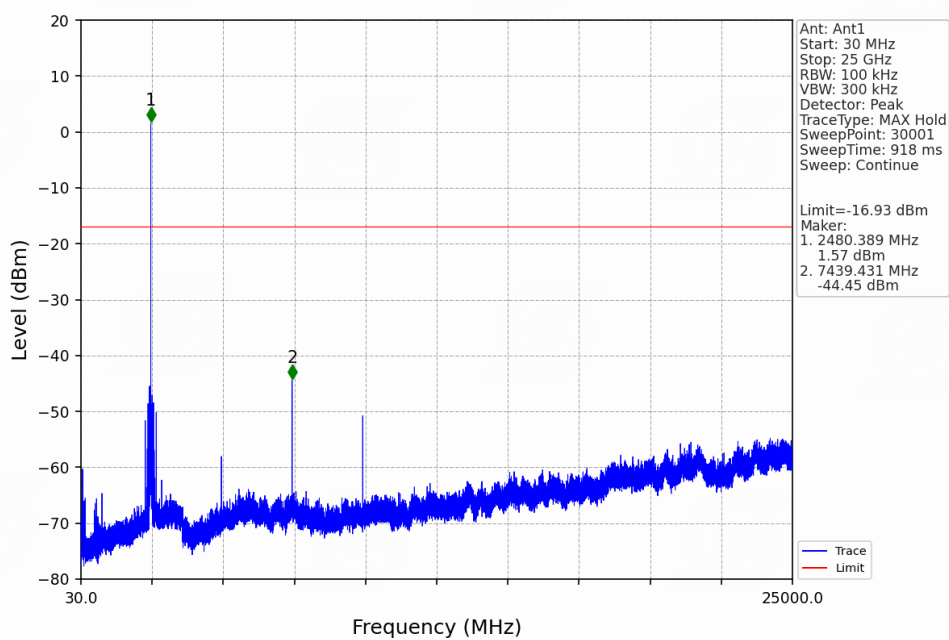
GFSK DH5 MCH 2441MHz Ant1 NTN



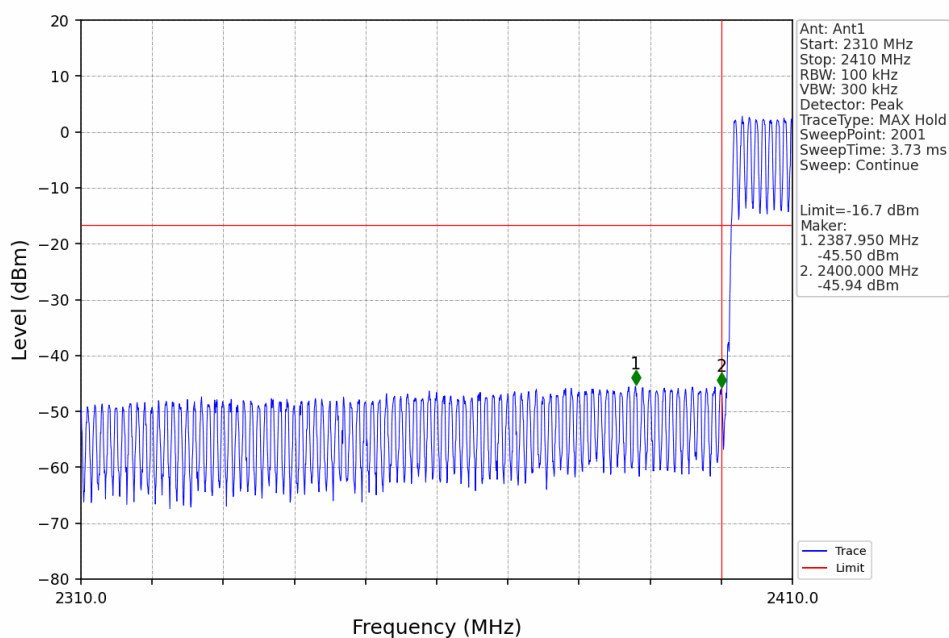
GFSK DH5 HCH 2480MHz Ant1 NTN



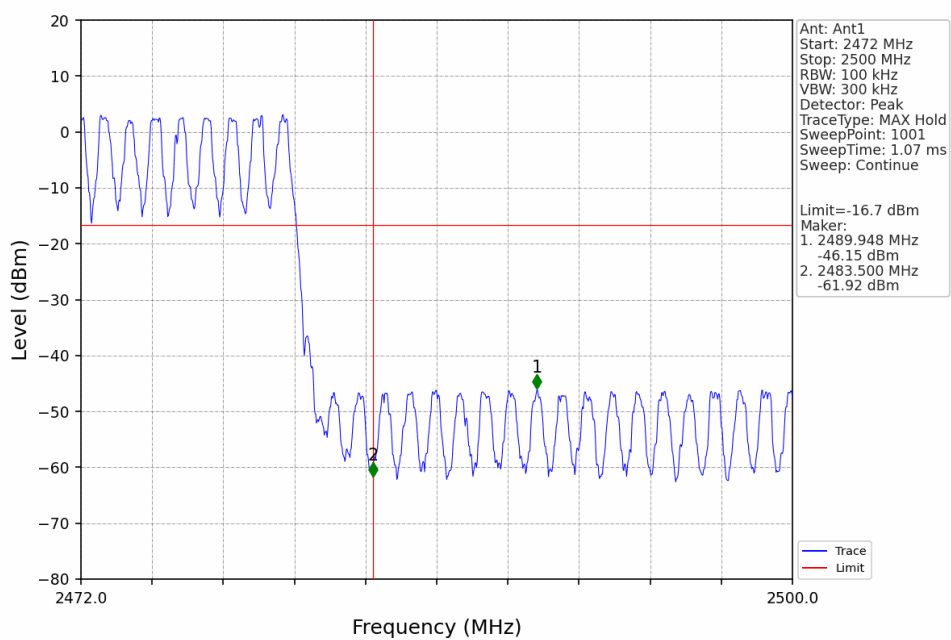
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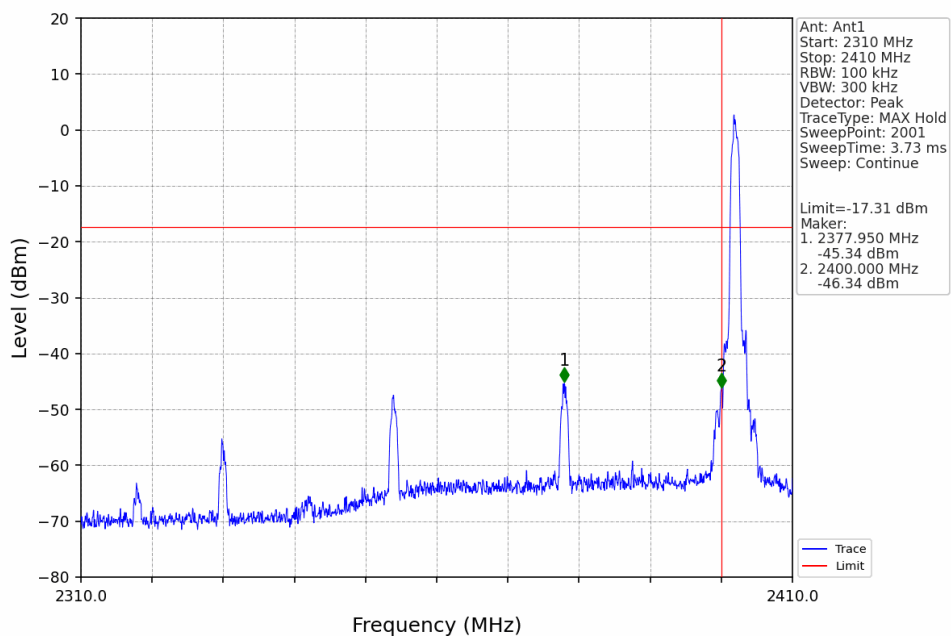
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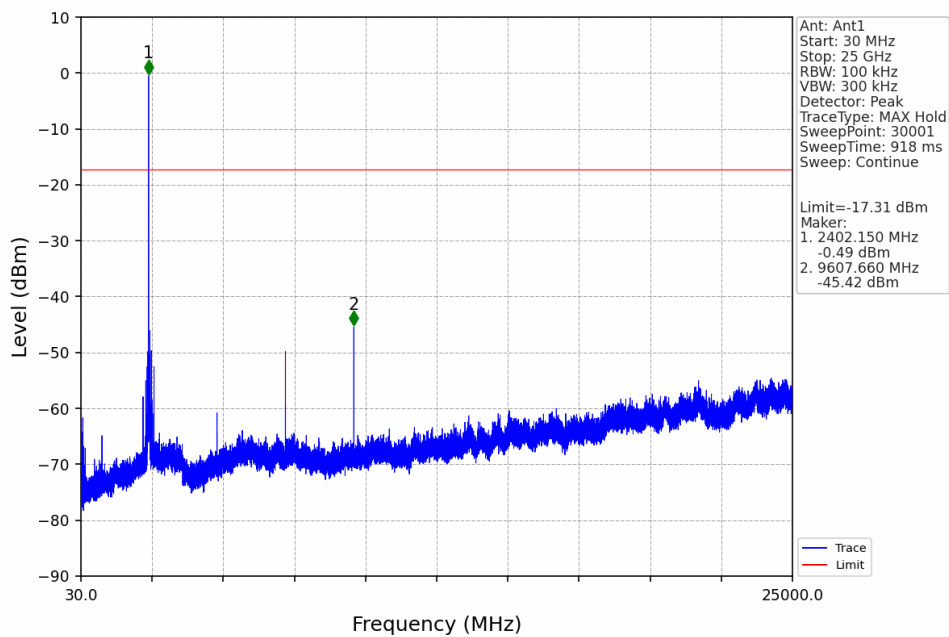
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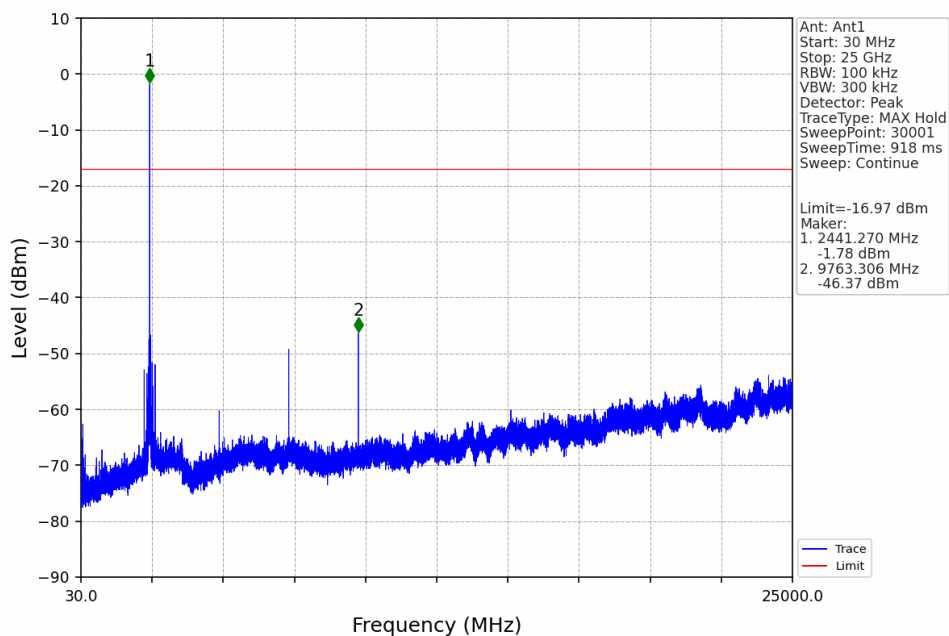
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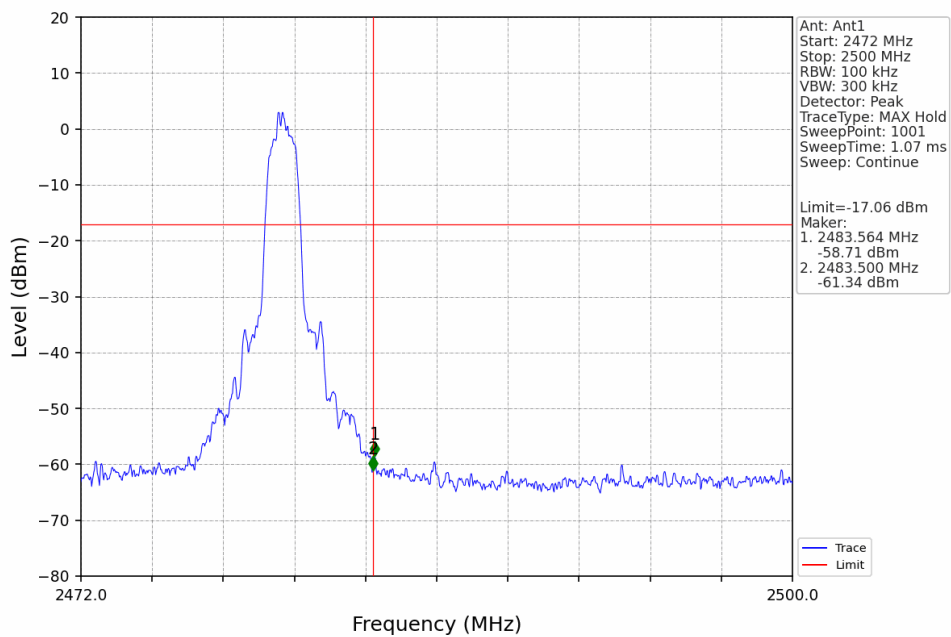
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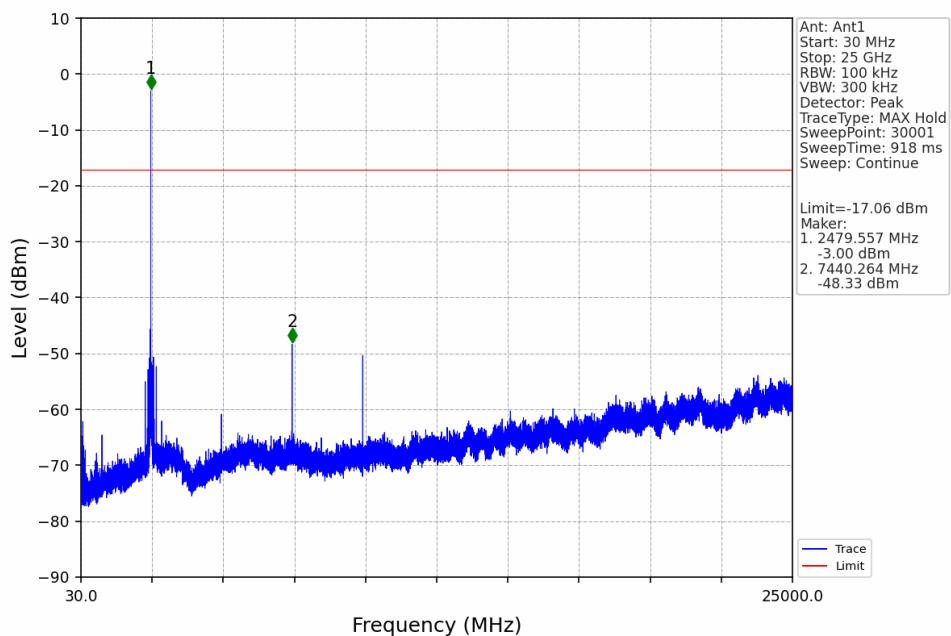
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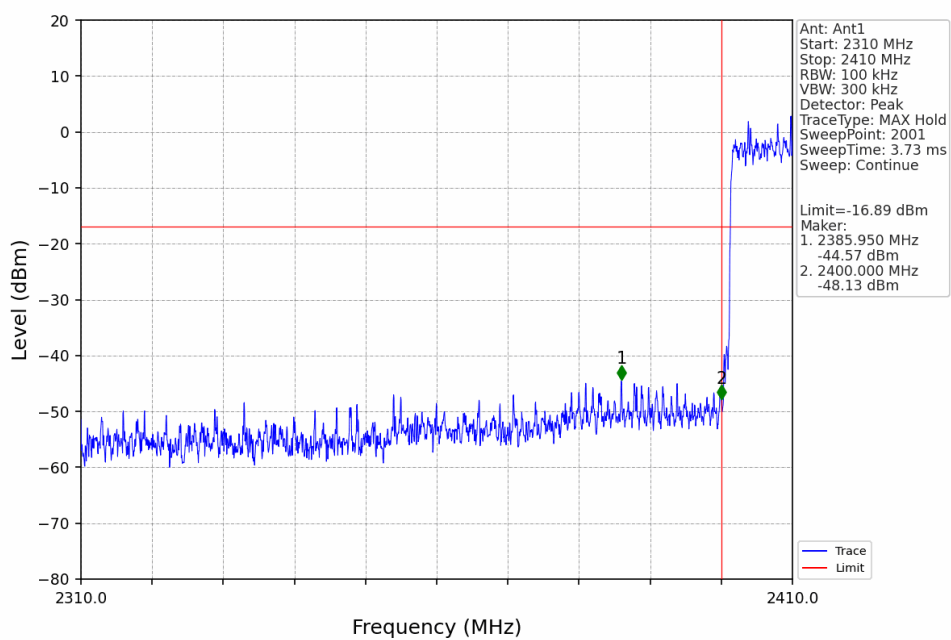
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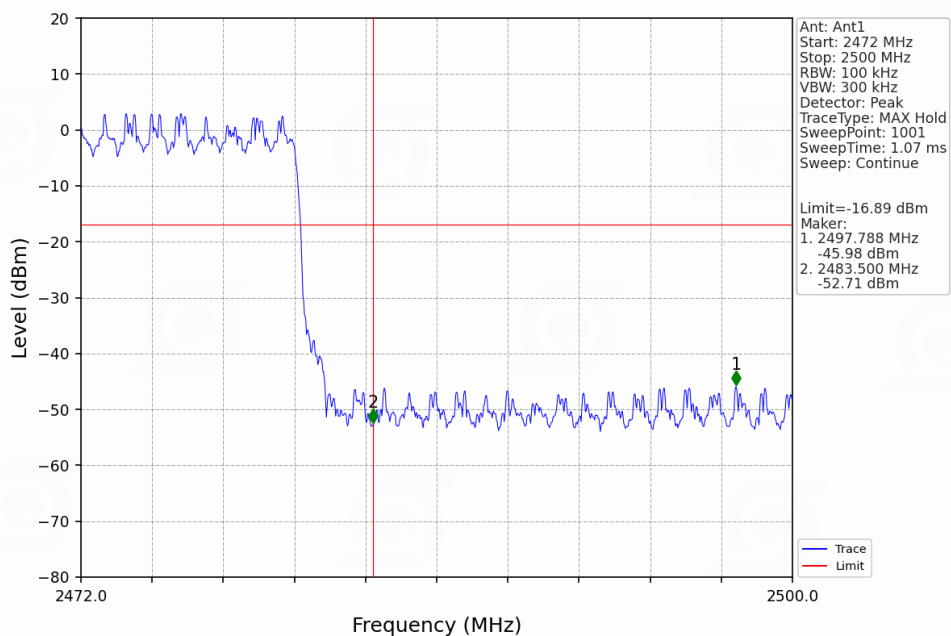
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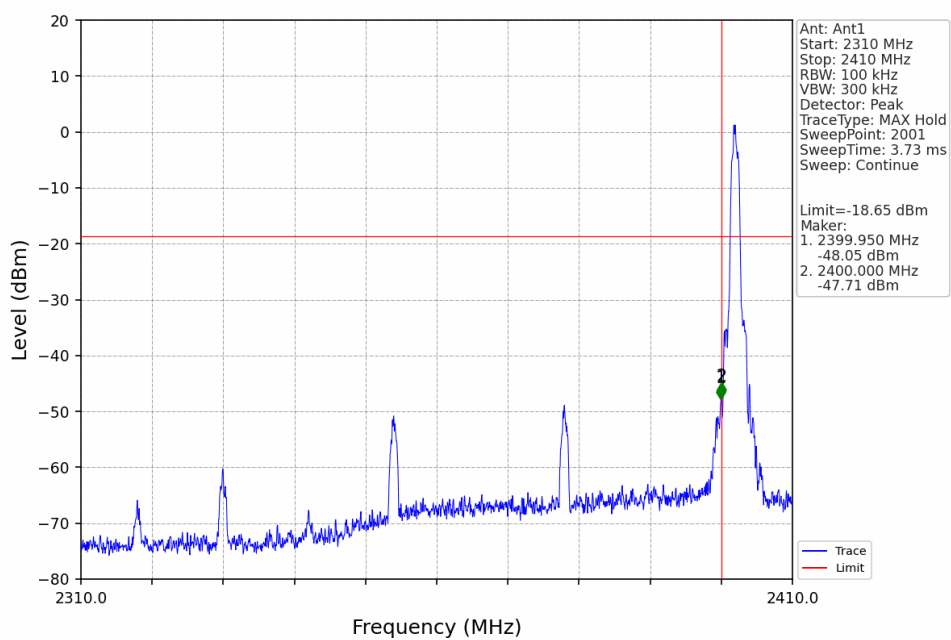
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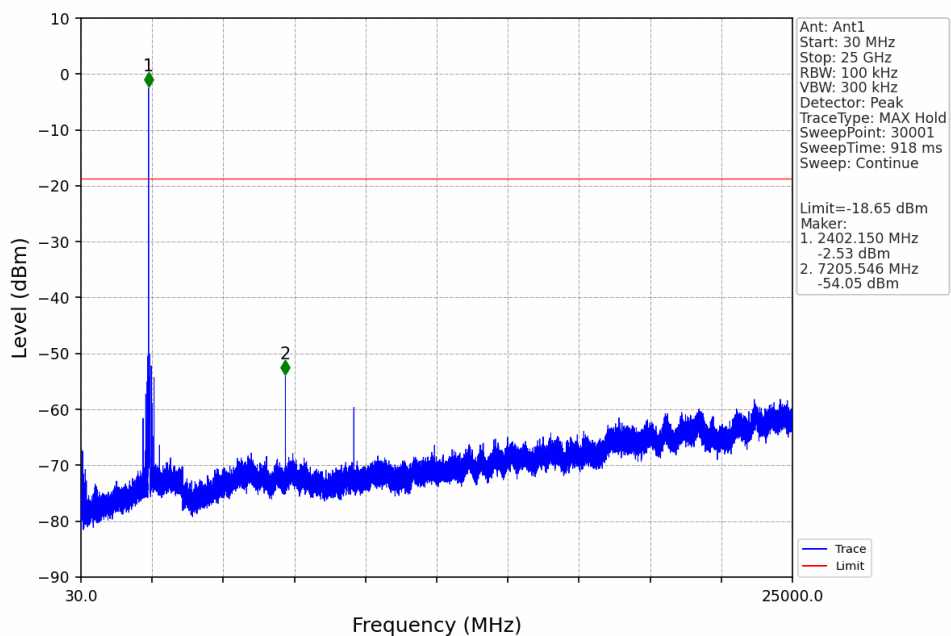
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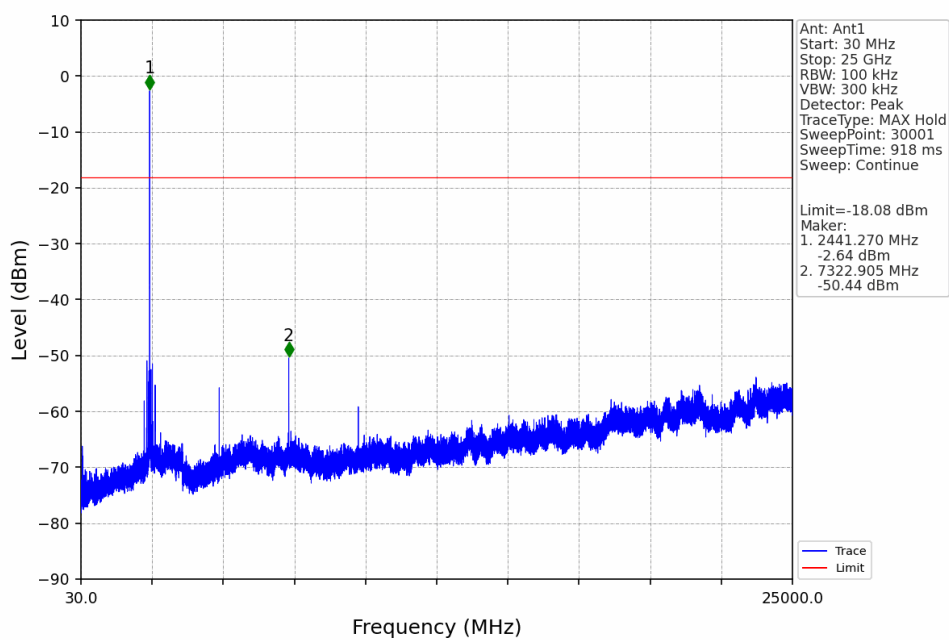
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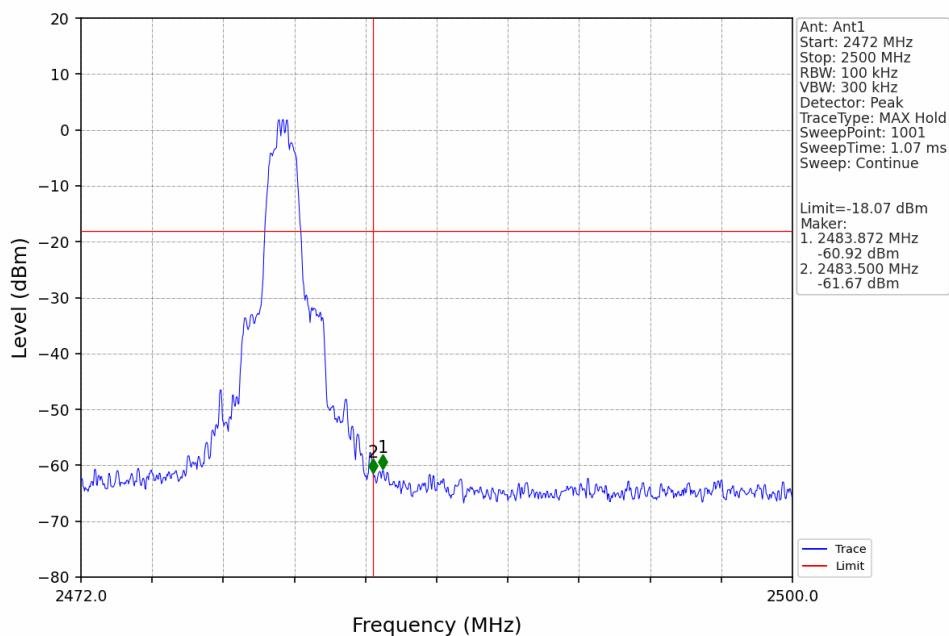
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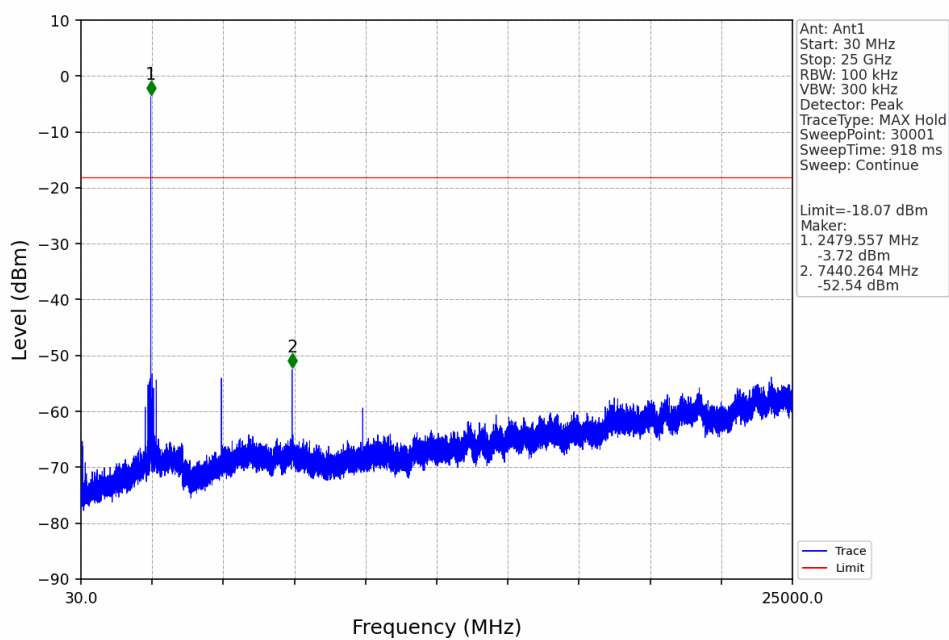
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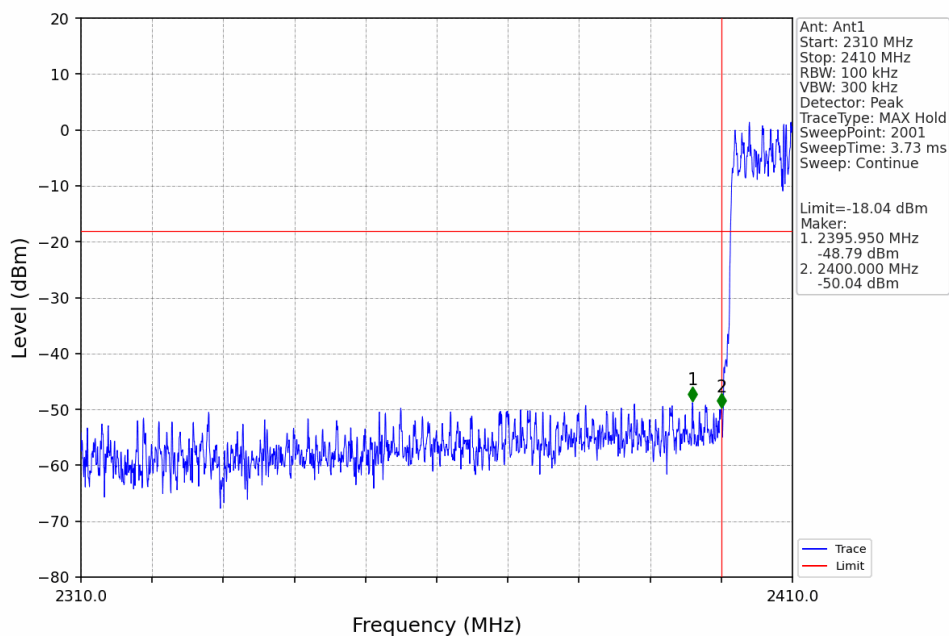
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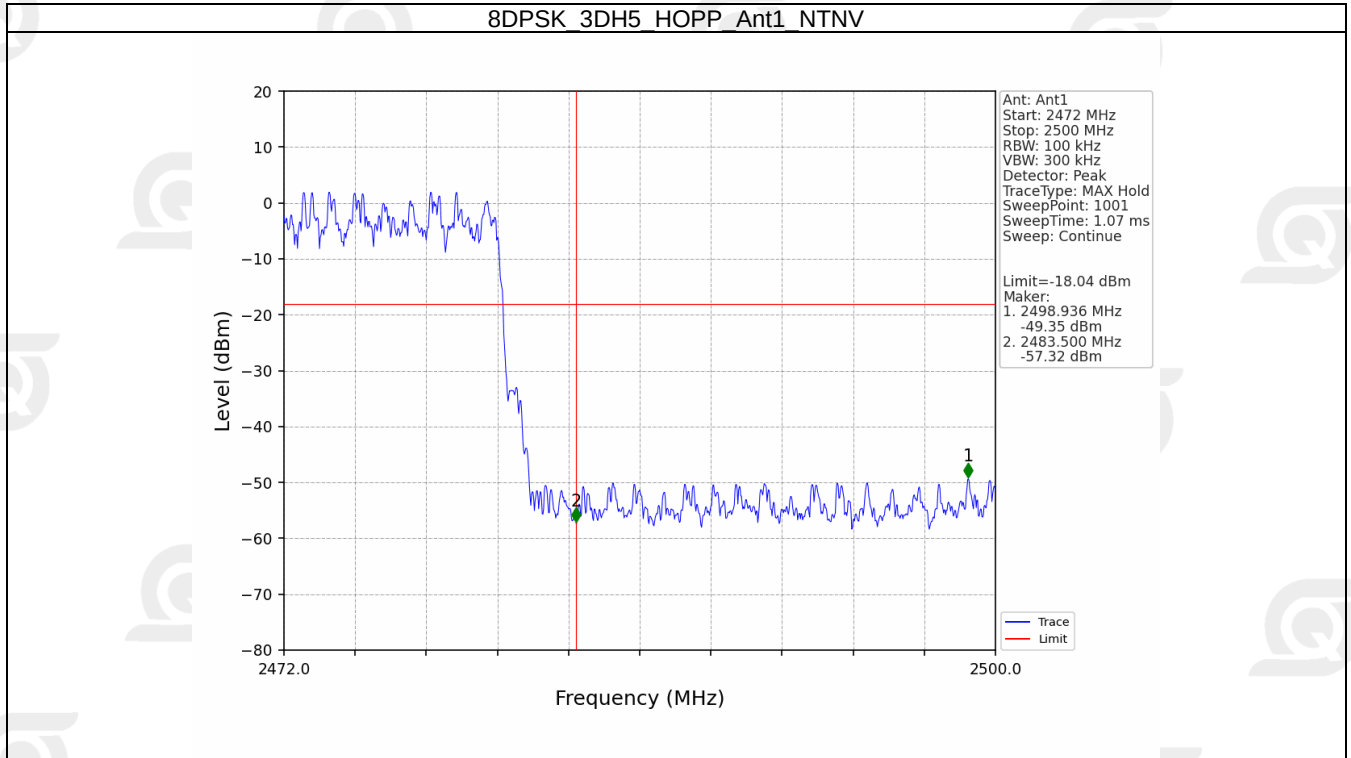


8DPSK 3DH5 HCH 2480MHz Ant1 NTN



8DPSK 3DH5 HOPP Ant1 NTN





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