

1. Bandwidth

1.1 Test Result

1.1.1 OBW

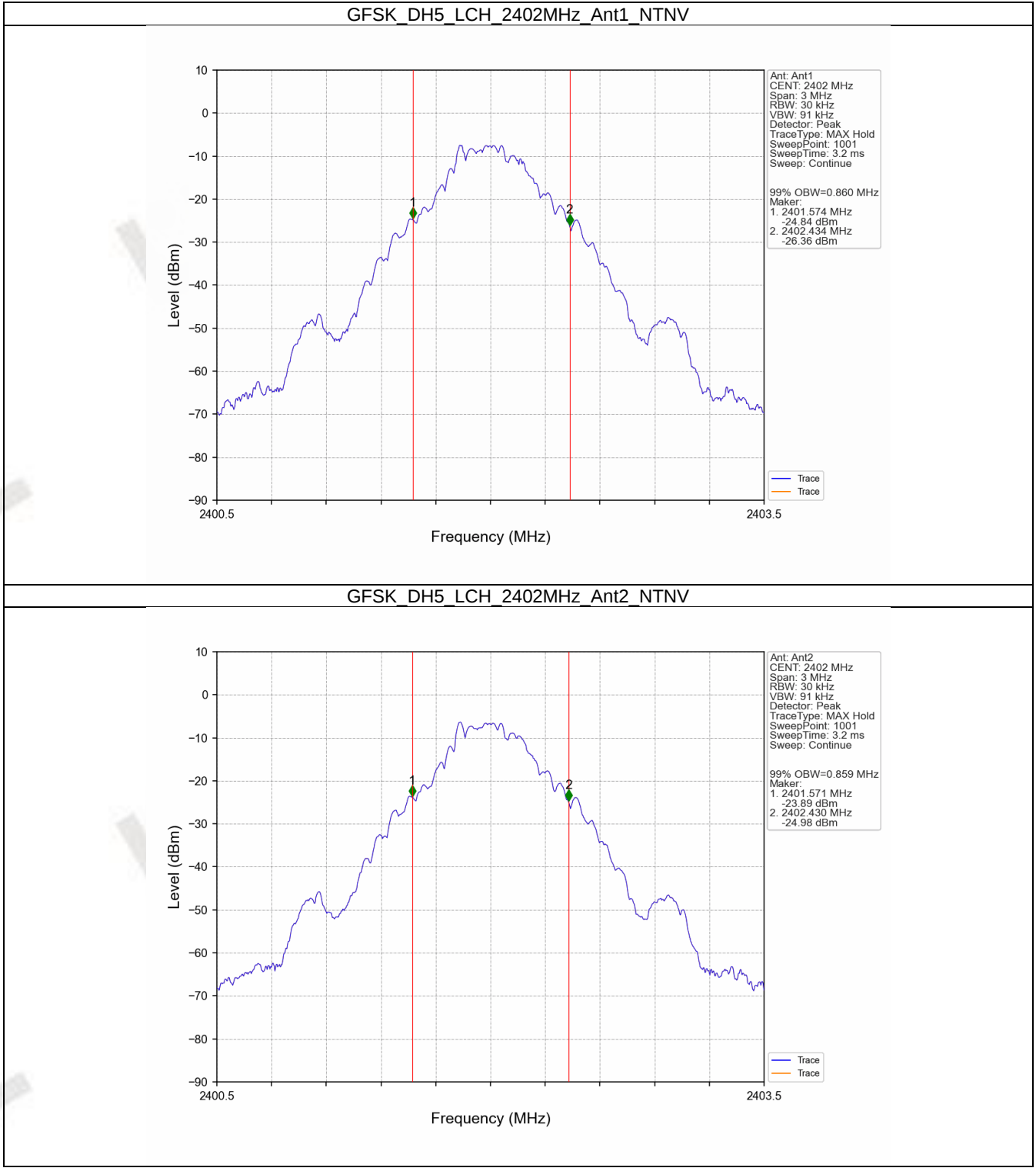
Mode	TX Type	Frequency (MHz)	Packet Type	ANT	99% Occupied Bandwidth (MHz)		Verdict
					Result	Limit	
GFSK	SISO	2402	DH5	1	0.860	/	Pass
				2	0.859	/	Pass
		2441	DH5	1	0.857	/	Pass
				2	0.866	/	Pass
		2480	DH5	1	0.857	/	Pass
				2	0.859	/	Pass
Pi/4DQPSK	SISO	2402	2DH5	1	1.142	/	Pass
				2	1.133	/	Pass
		2441	2DH5	1	1.133	/	Pass
				2	1.137	/	Pass
		2480	2DH5	1	1.133	/	Pass
				2	1.134	/	Pass
8DPSK	SISO	2402	3DH5	1	1.143	/	Pass
				2	1.144	/	Pass
		2441	3DH5	1	1.146	/	Pass
				2	1.145	/	Pass
		2480	3DH5	1	1.146	/	Pass
				2	1.145	/	Pass

1.1.2 20dB BW

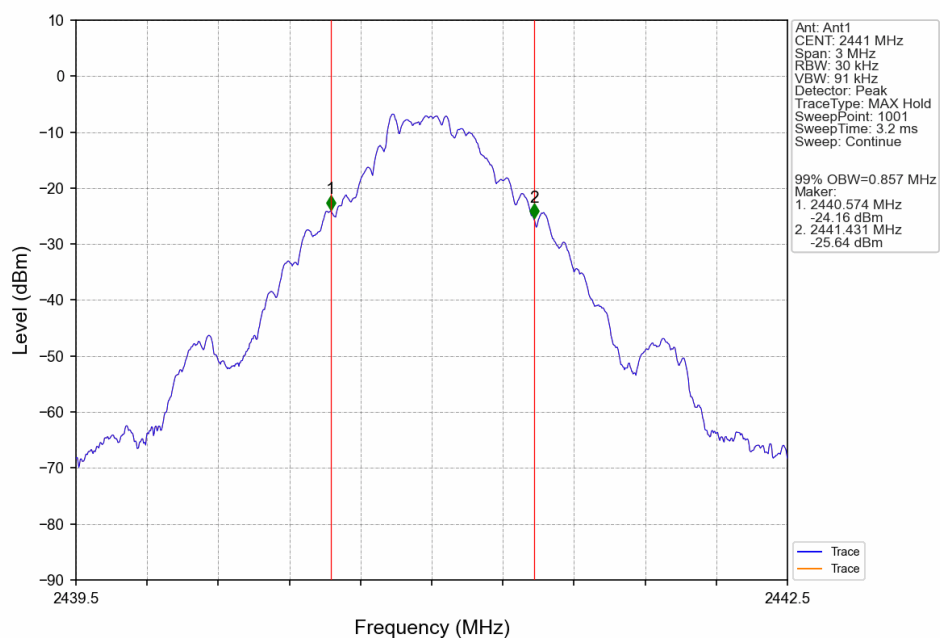
Mode	TX Type	Frequency (MHz)	Packet Type	ANT	20dB Bandwidth (MHz)		Verdict
					Result	Limit	
GFSK	SISO	2402	DH5	1	0.961	/	Pass
				2	0.961	/	Pass
		2441	DH5	1	0.960	/	Pass
				2	0.960	/	Pass
		2480	DH5	1	0.960	/	Pass
				2	0.962	/	Pass
Pi/4DQPSK	SISO	2402	2DH5	1	1.215	/	Pass
				2	1.215	/	Pass
		2441	2DH5	1	1.215	/	Pass
				2	1.217	/	Pass
		2480	2DH5	1	1.216	/	Pass
				2	1.216	/	Pass
8DPSK	SISO	2402	3DH5	1	1.281	/	Pass
				2	1.282	/	Pass
		2441	3DH5	1	1.281	/	Pass
				2	1.281	/	Pass
		2480	3DH5	1	1.280	/	Pass
				2	1.282	/	Pass

1.2 Test Graph

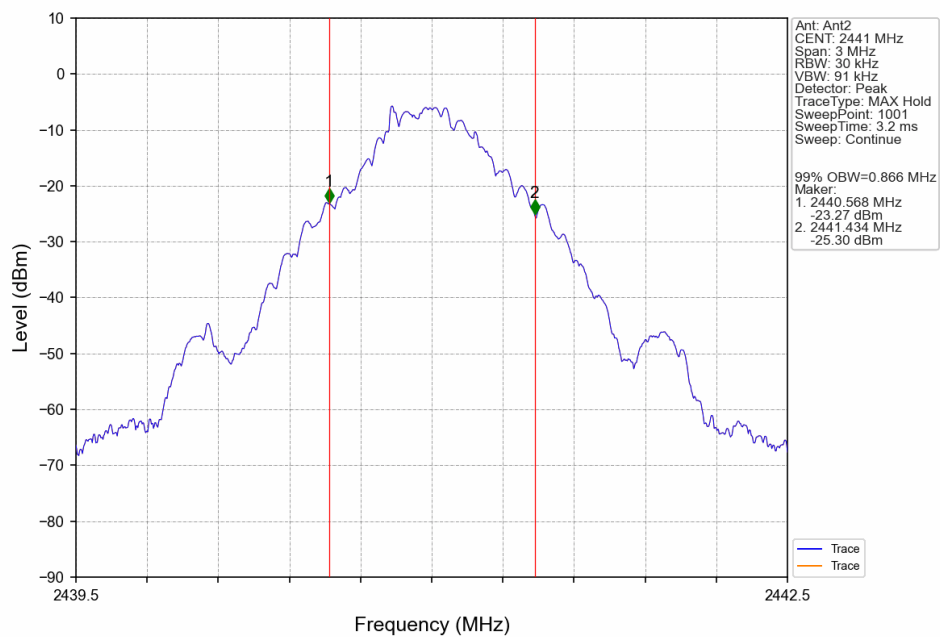
1.2.1 OBW



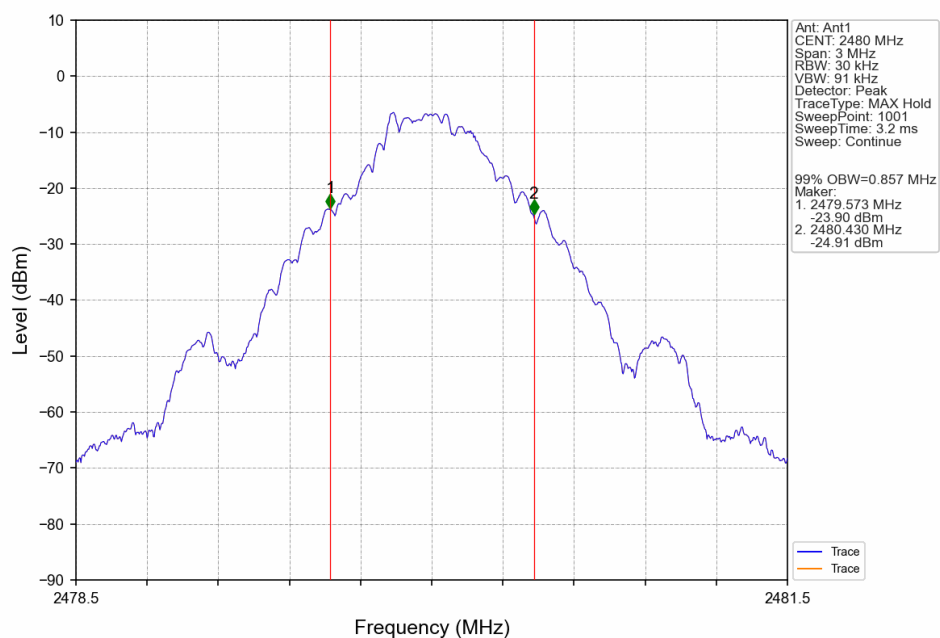
GFSK_DH5_MCH_2441MHz_Ant1_NTNV



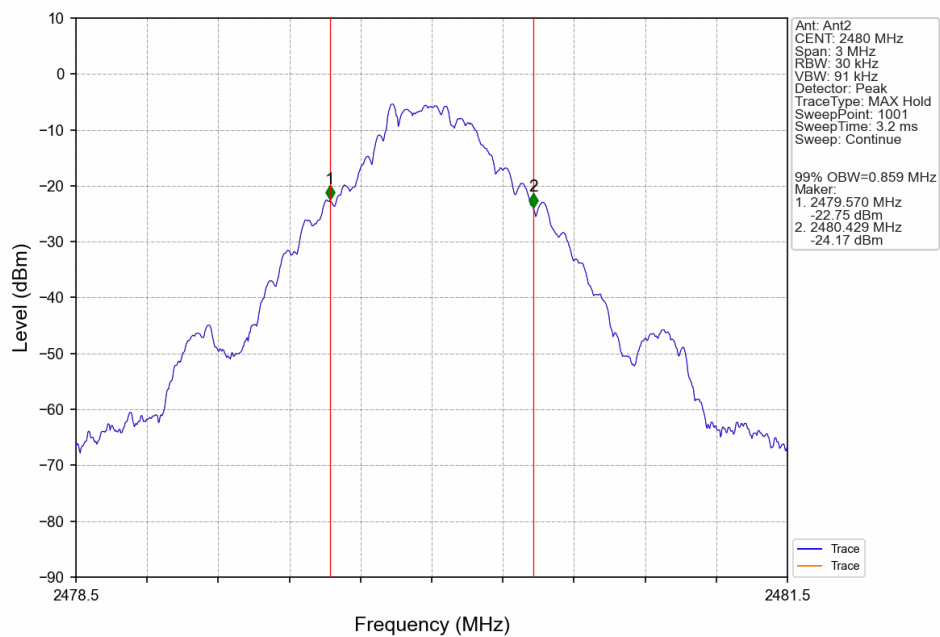
GFSK_DH5_MCH_2441MHz_Ant2_NTNV



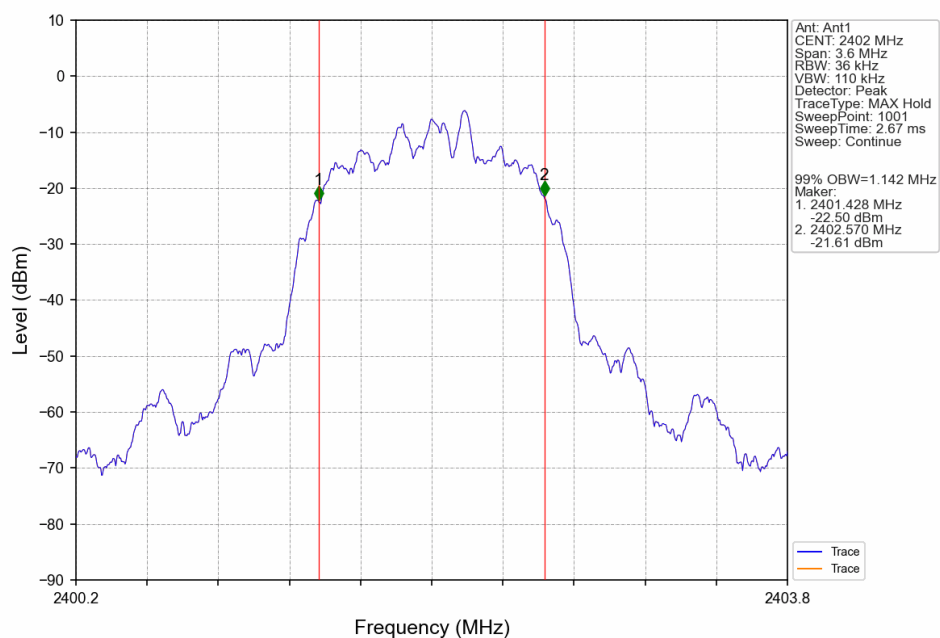
GFSK_DH5_HCH_2480MHz_Ant1_NTNV



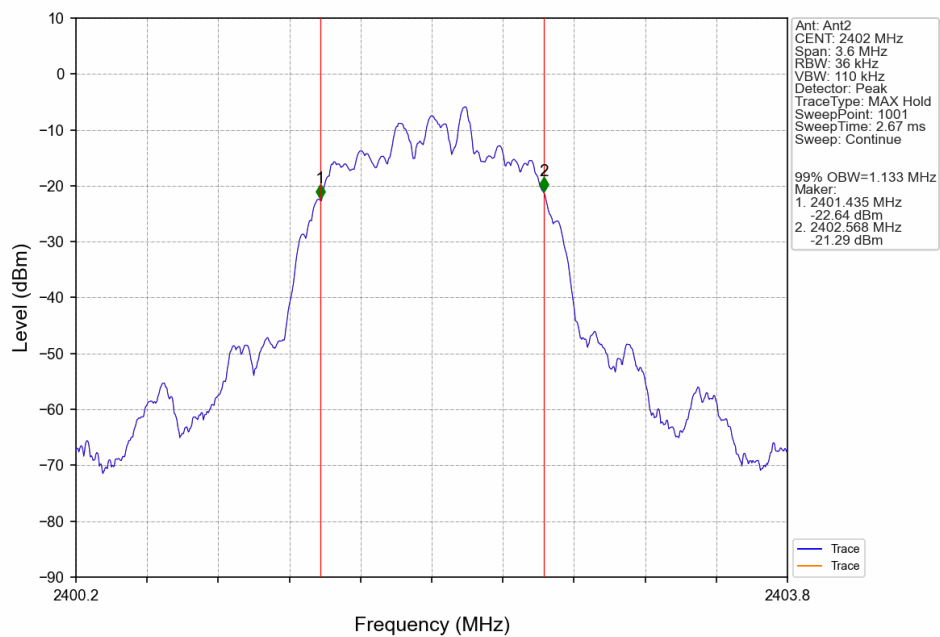
GFSK_DH5_HCH_2480MHz_Ant2_NTNV



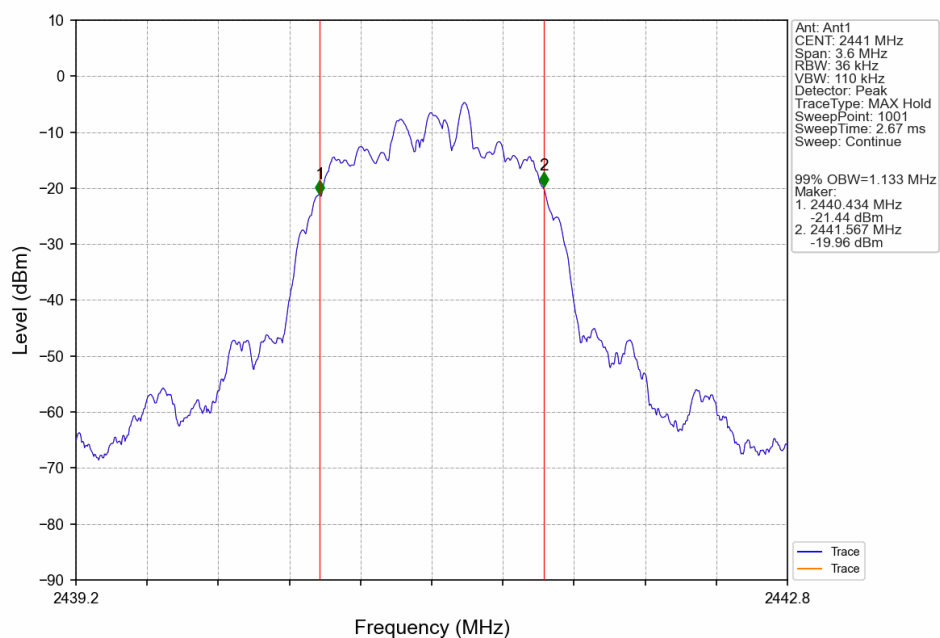
Pi/4DQPSK_2DH5_LCH_2402MHz_Ant1_NTNV



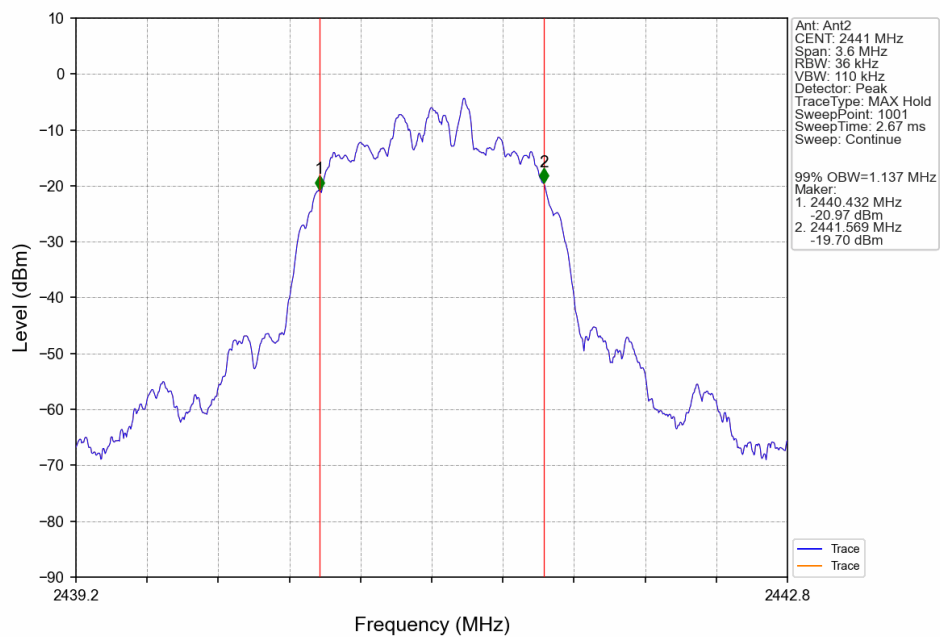
Pi/4DQPSK_2DH5_LCH_2402MHz_Ant2_NTNV



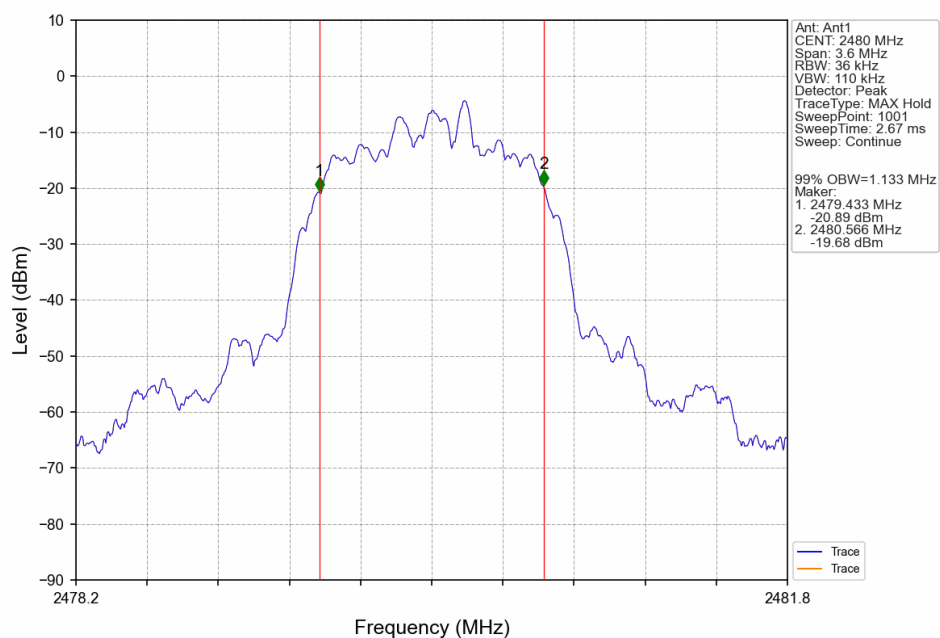
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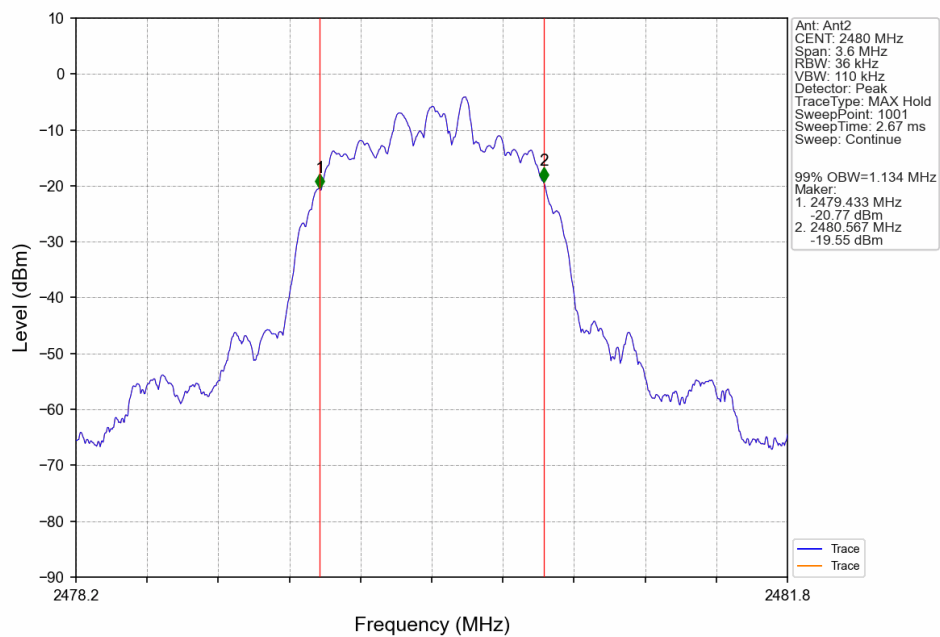
Pi/4DQPSK_2DH5_MCH_2441MHz_Ant2_NTNV



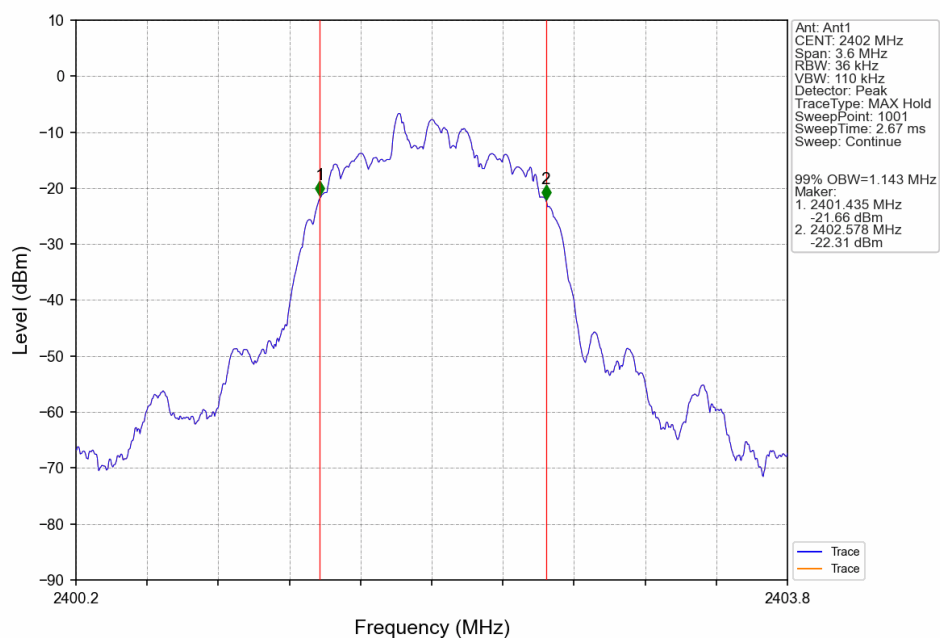
Pi/4DQPSK_2DH5_HCH_2480MHz_Ant1_NTNV



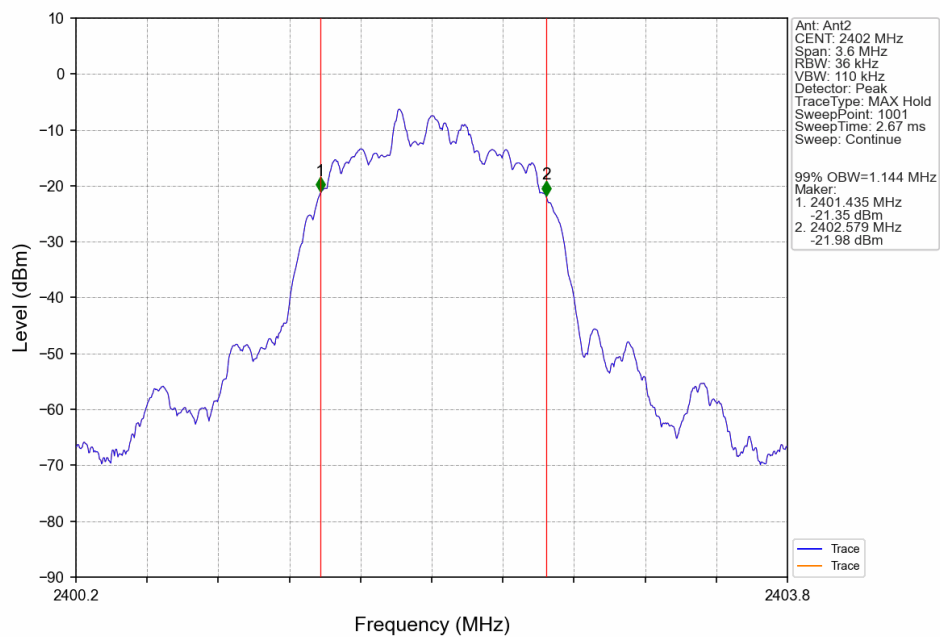
Pi/4DQPSK_2DH5_HCH_2480MHz_Ant2_NTNV



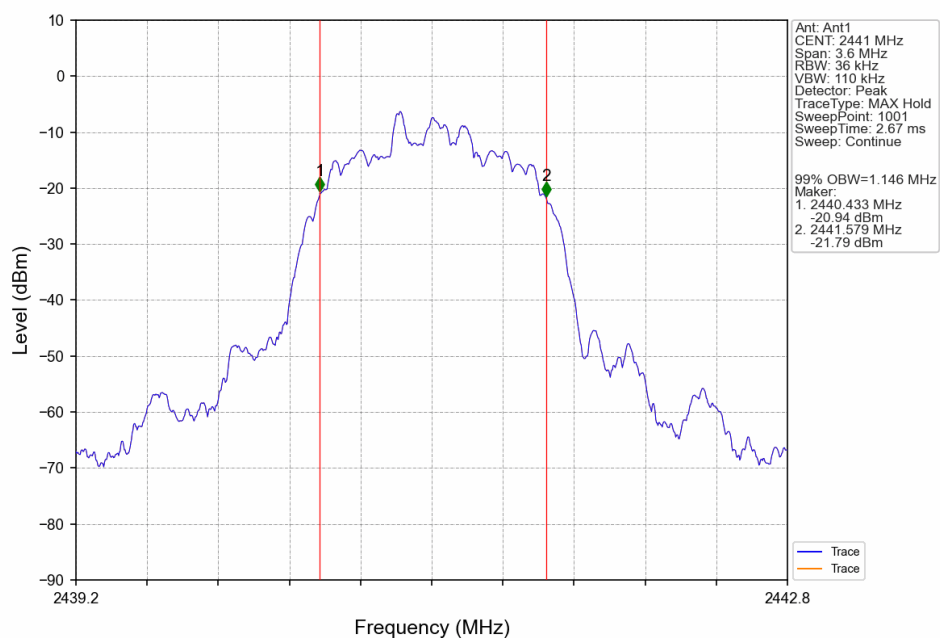
8DPSK_3DH5_LCH_2402MHz_Ant1_NTNV



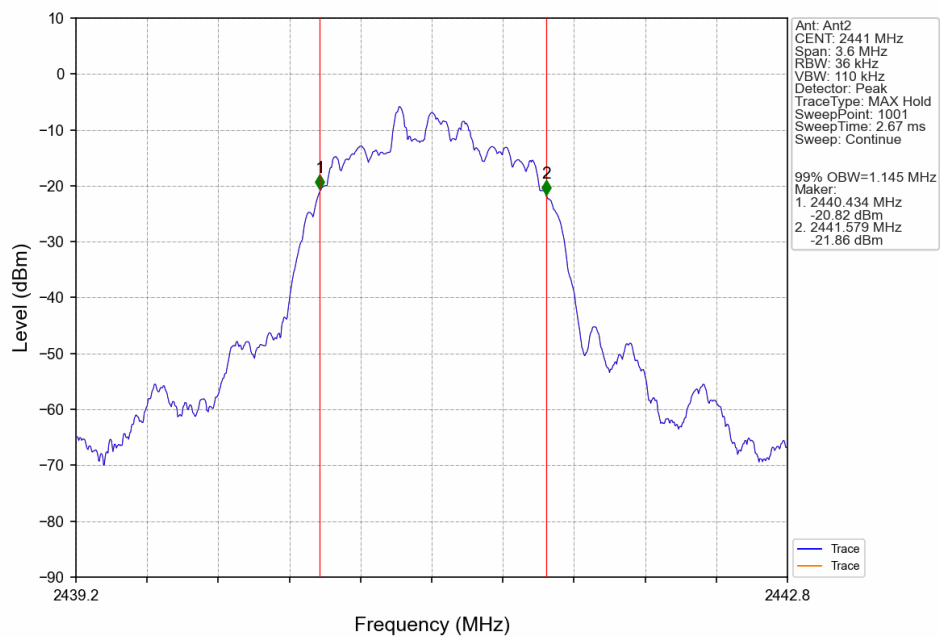
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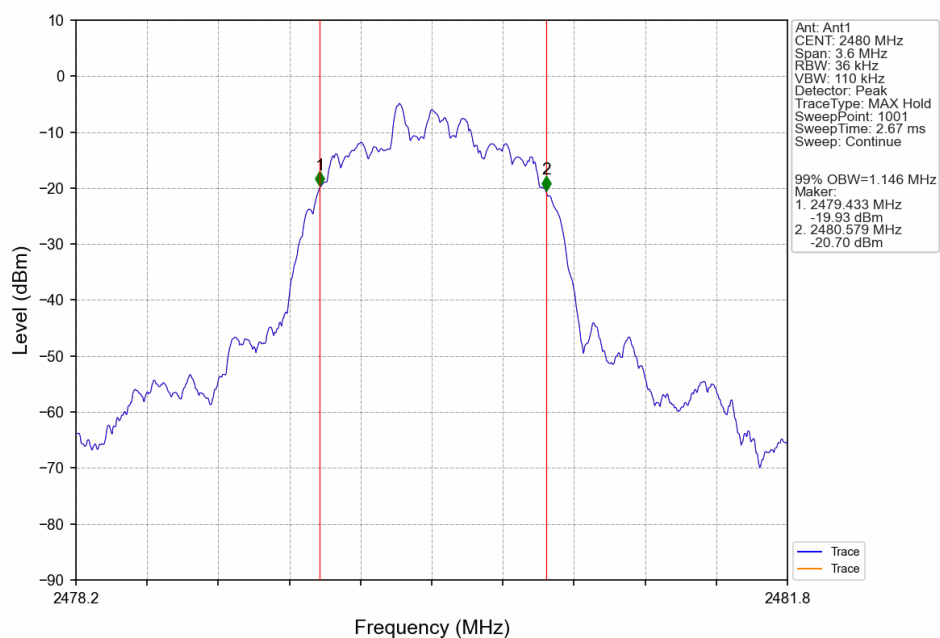
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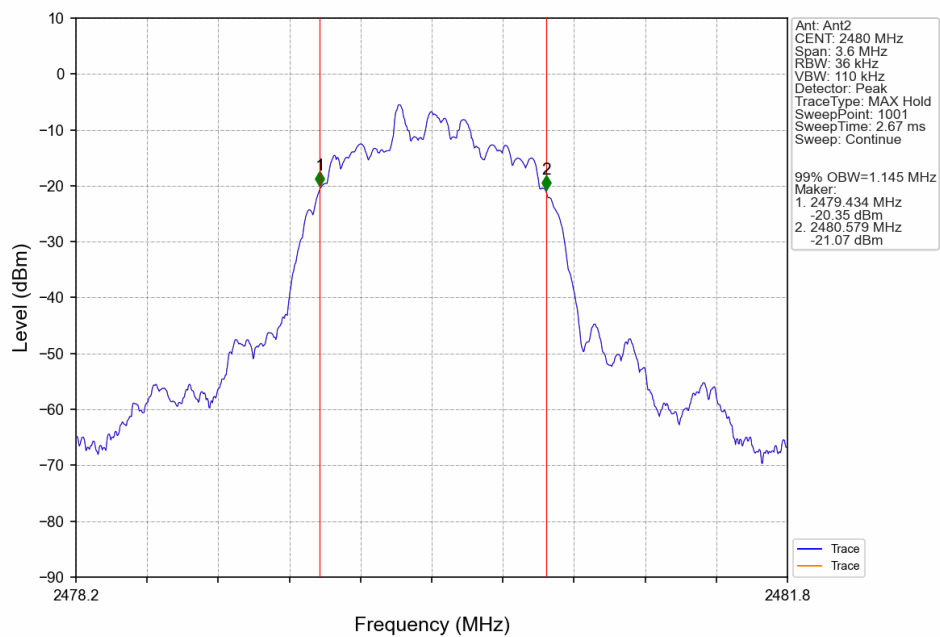
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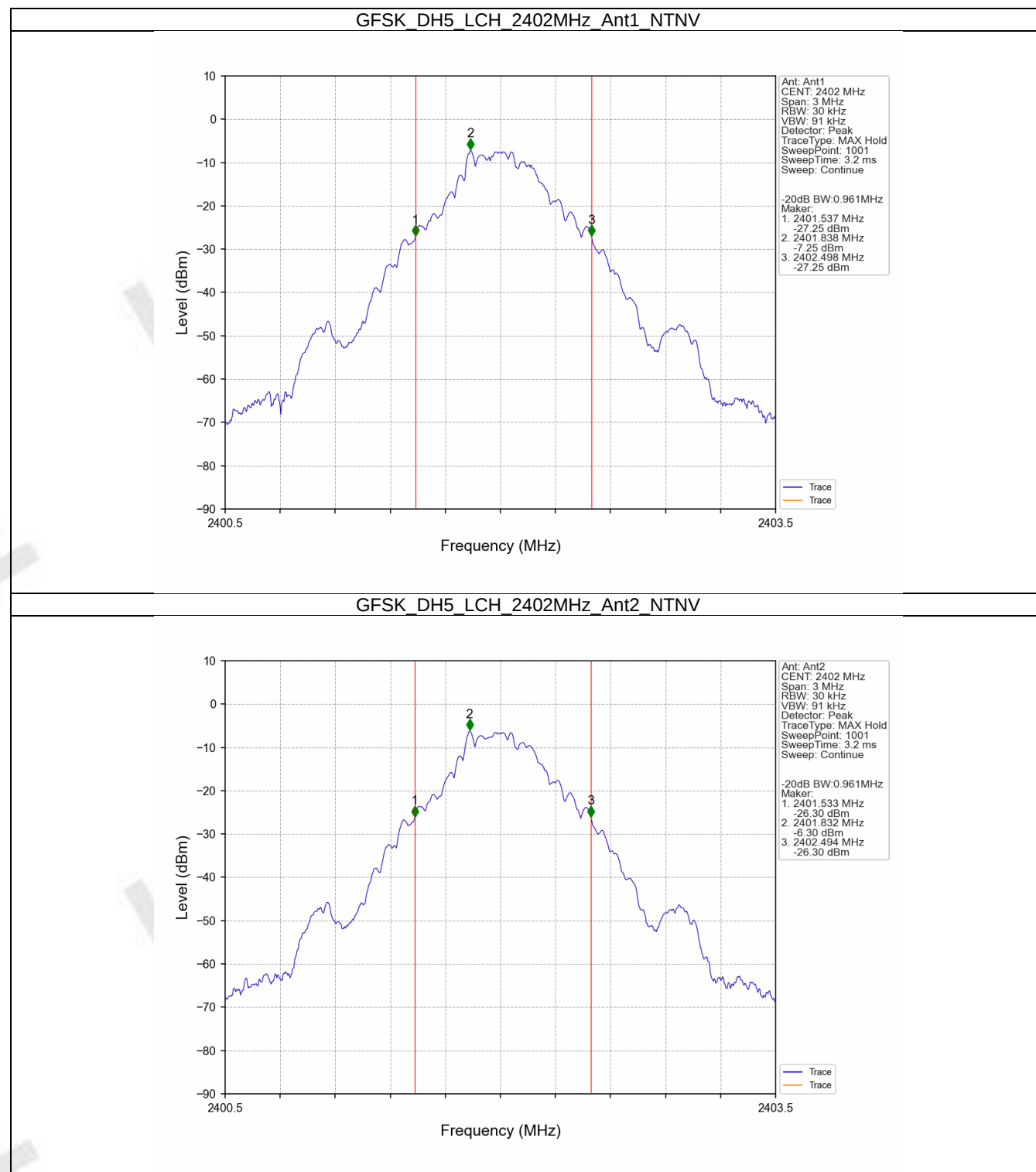
8DPSK_3DH5_HCH_2480MHz_Ant1_NTNV



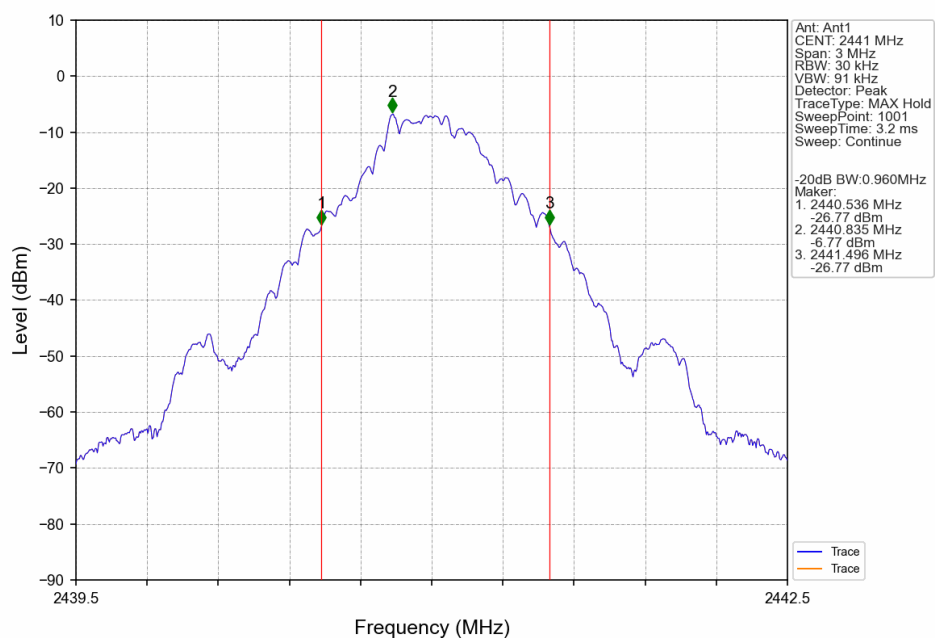
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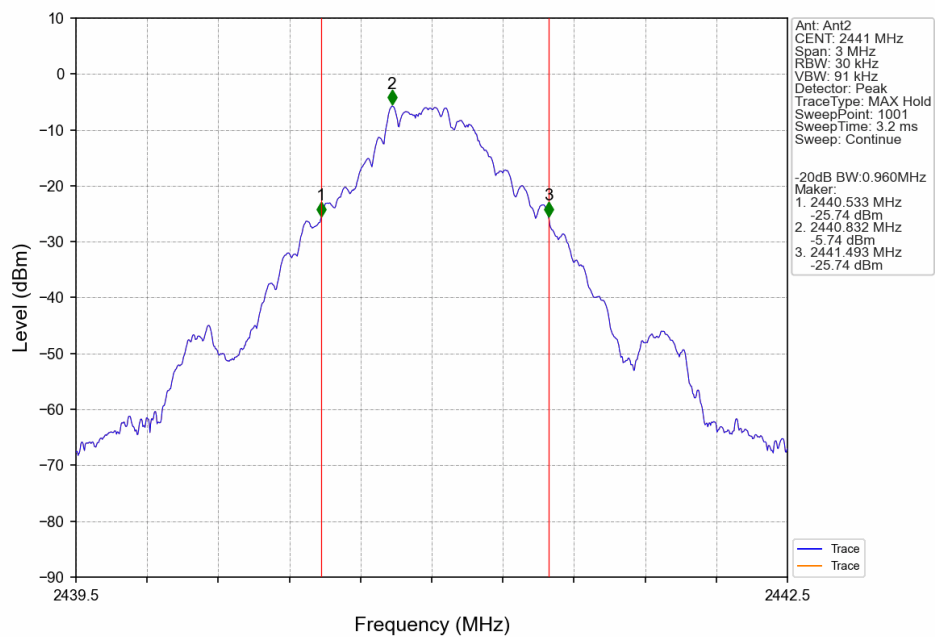
1.2.2 20dB BW



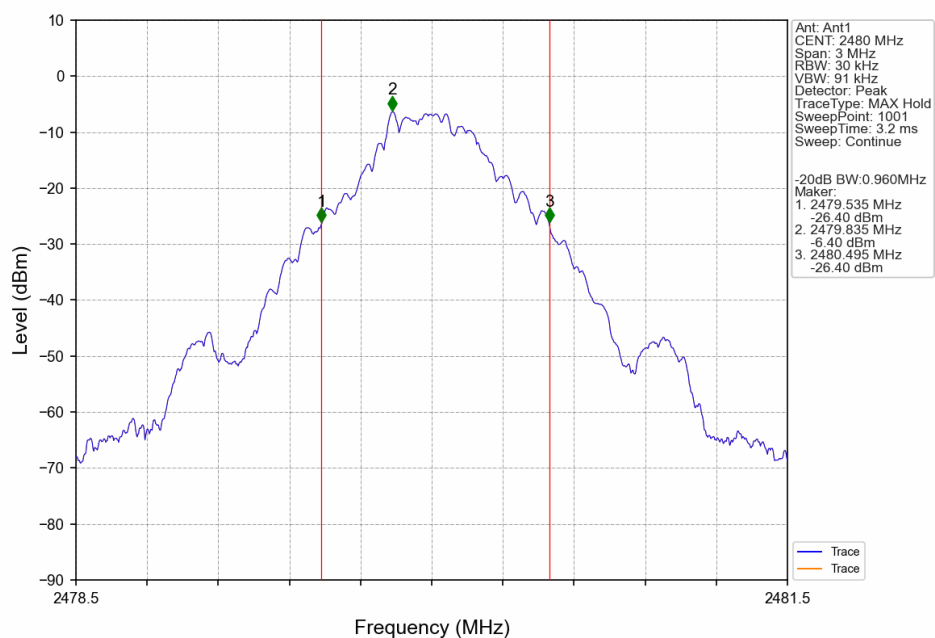
GFSK_DH5_MCH_2441MHz_Ant1_NTNV



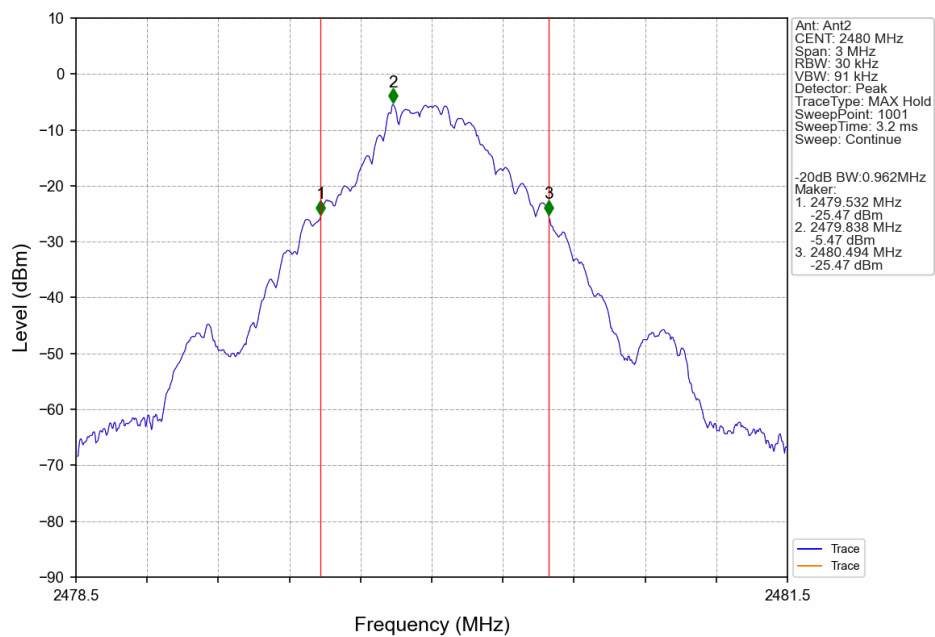
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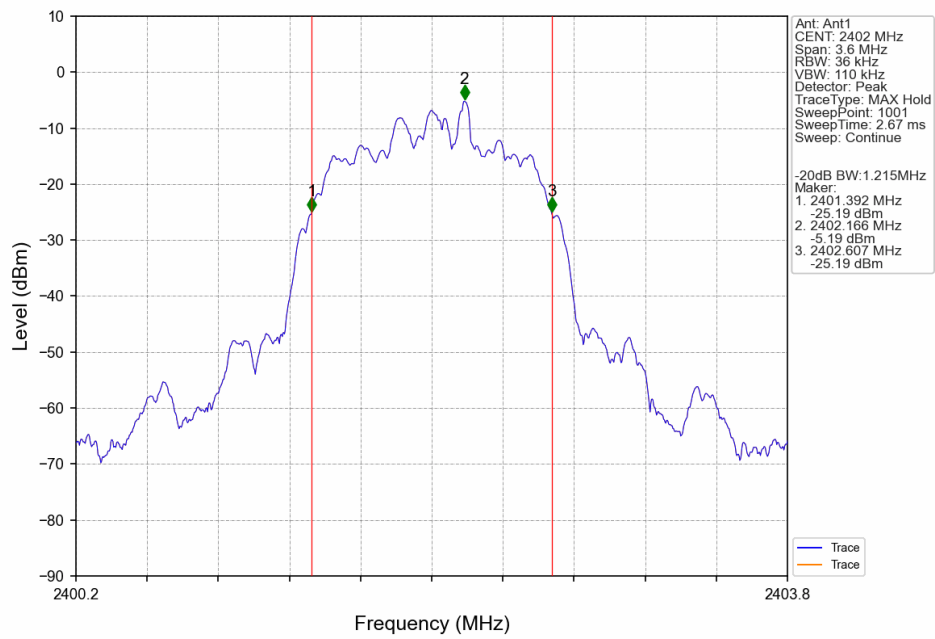
GFSK_DH5_HCH_2480MHz_Ant1_NTNV



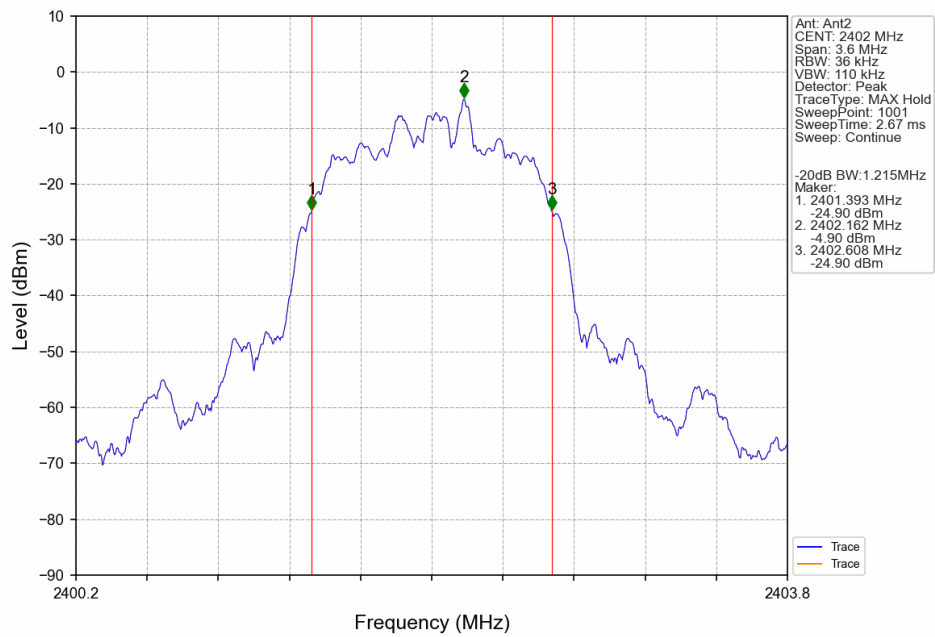
GFSK_DH5_HCH_2480MHz_Ant2_NTNV



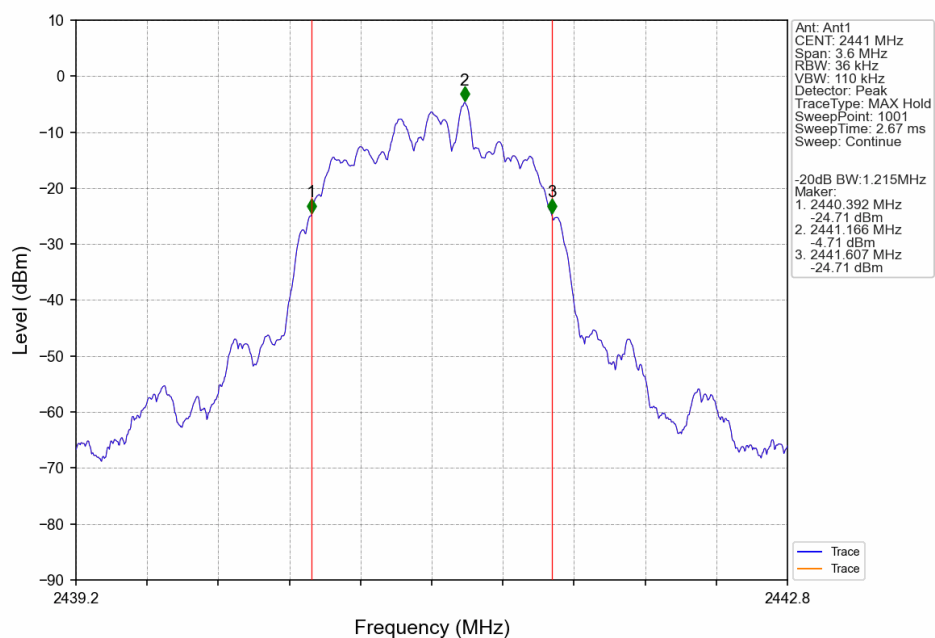
Pi/4DQPSK_2DH5_LCH_2402MHz_Ant1_NTNV



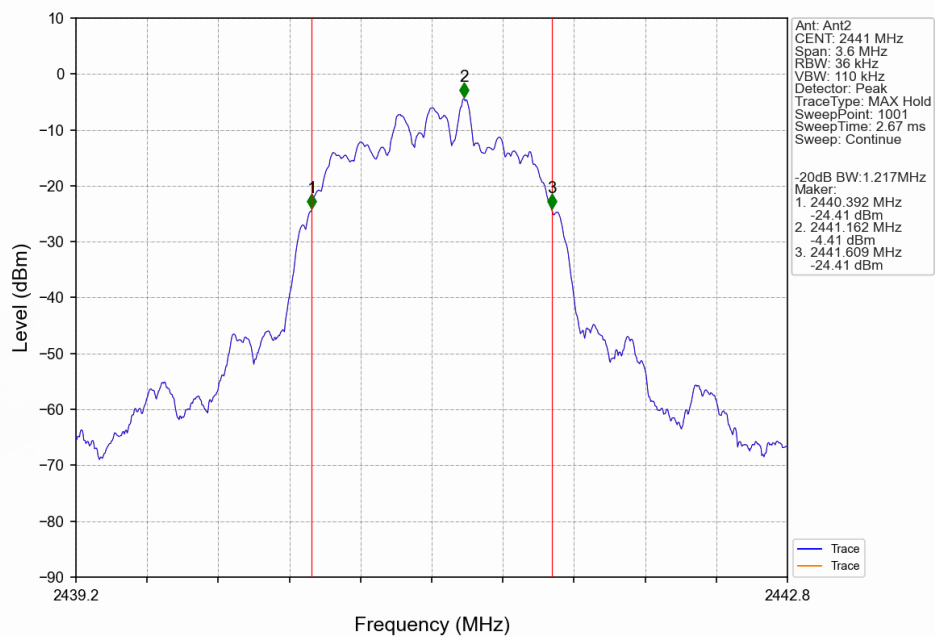
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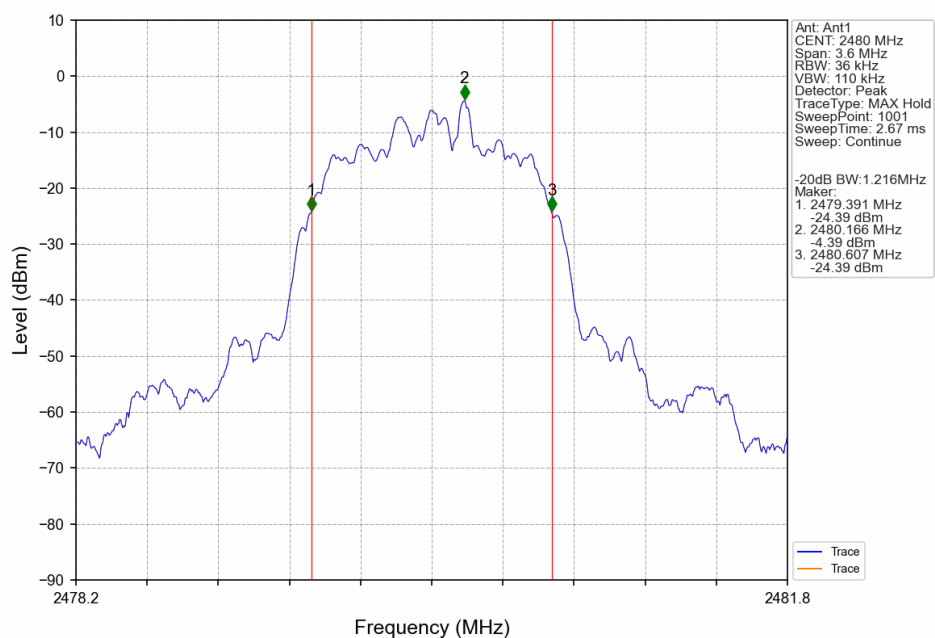
Pi/4DQPSK_2DH5_MCH_2441MHz_Ant1_NTNV



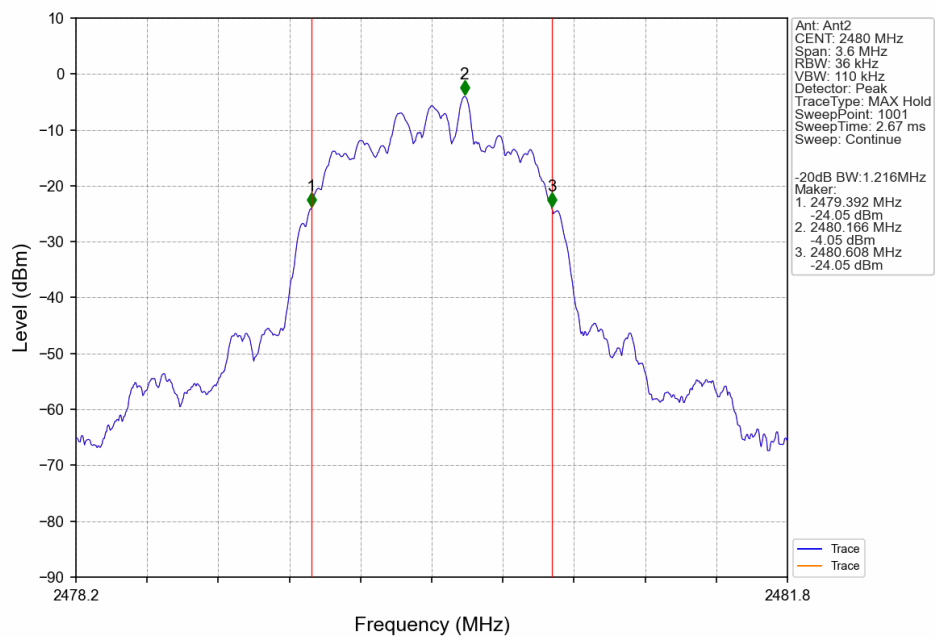
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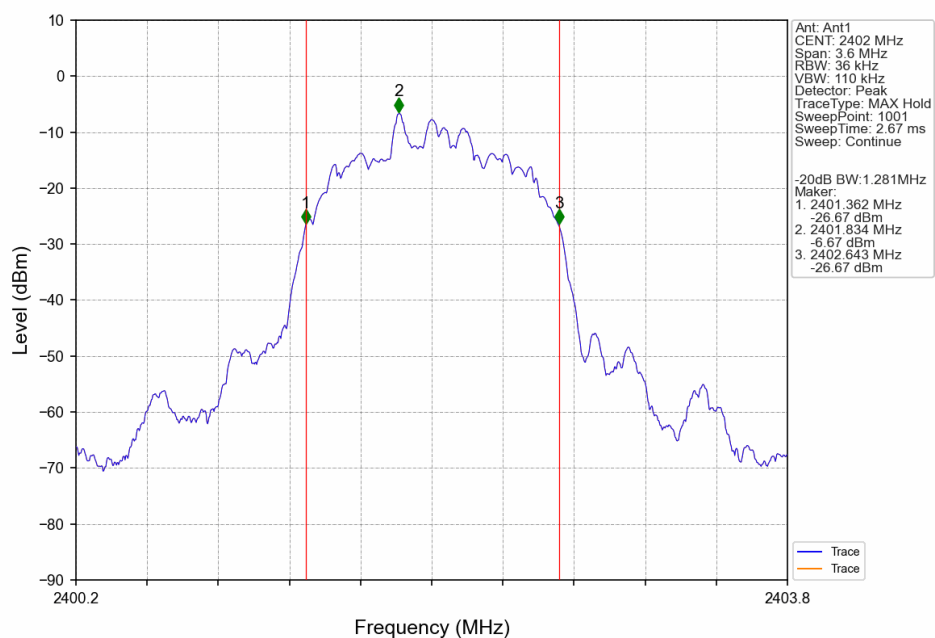
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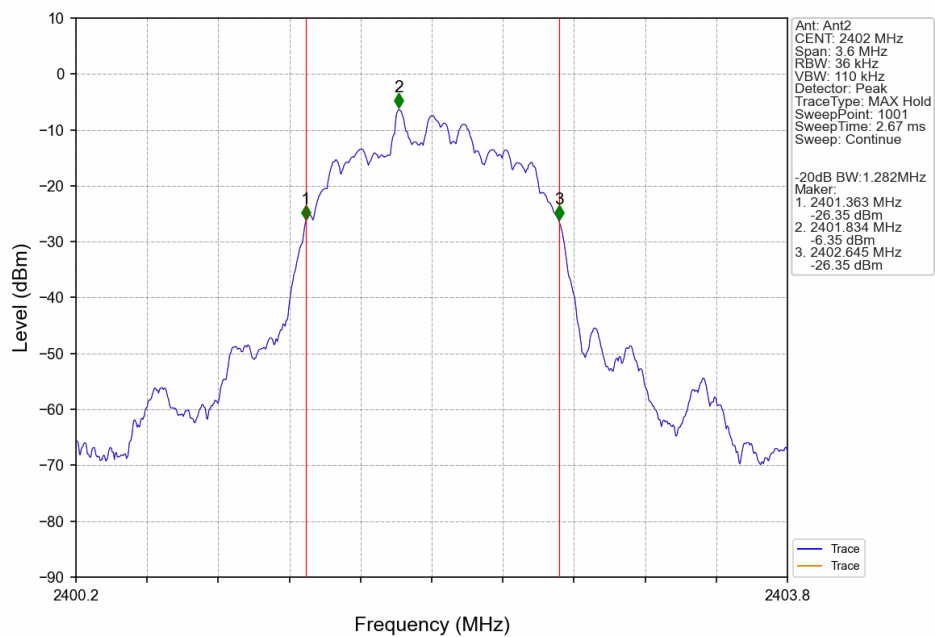
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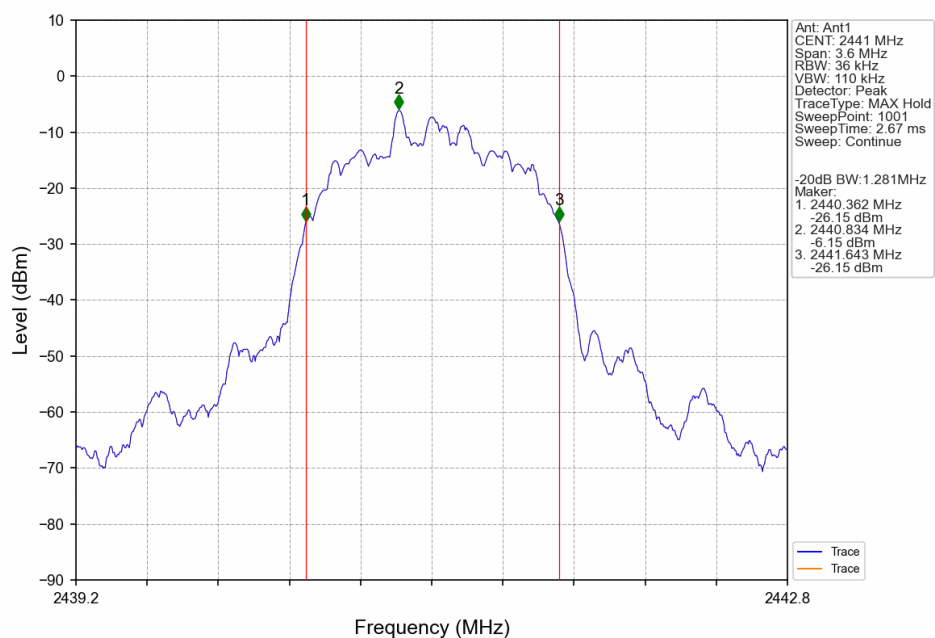
8DPSK_3DH5_LCH_2402MHz_Ant1_NTNV



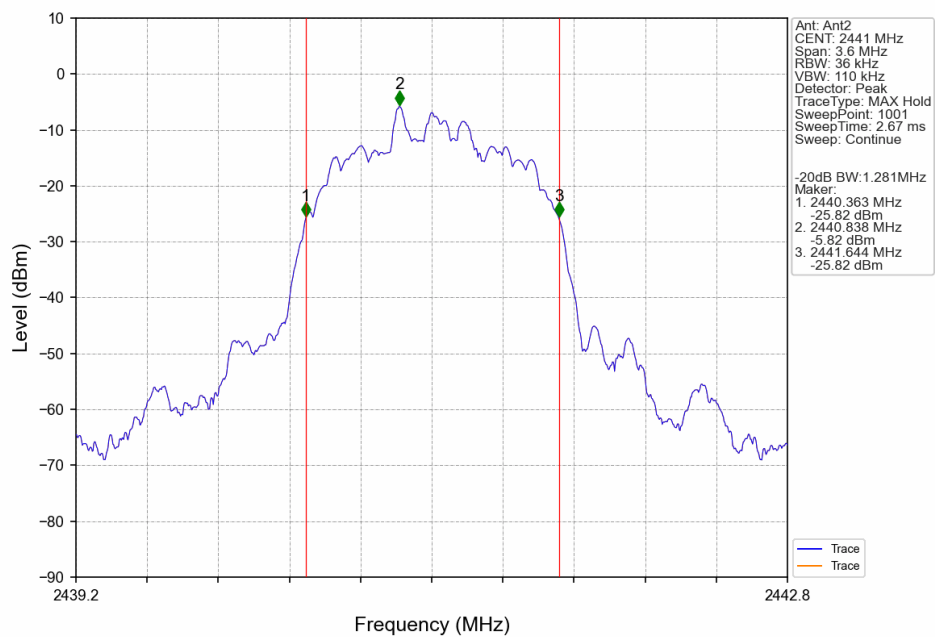
8DPSK_3DH5_LCH_2402MHz_Ant2_NTNV



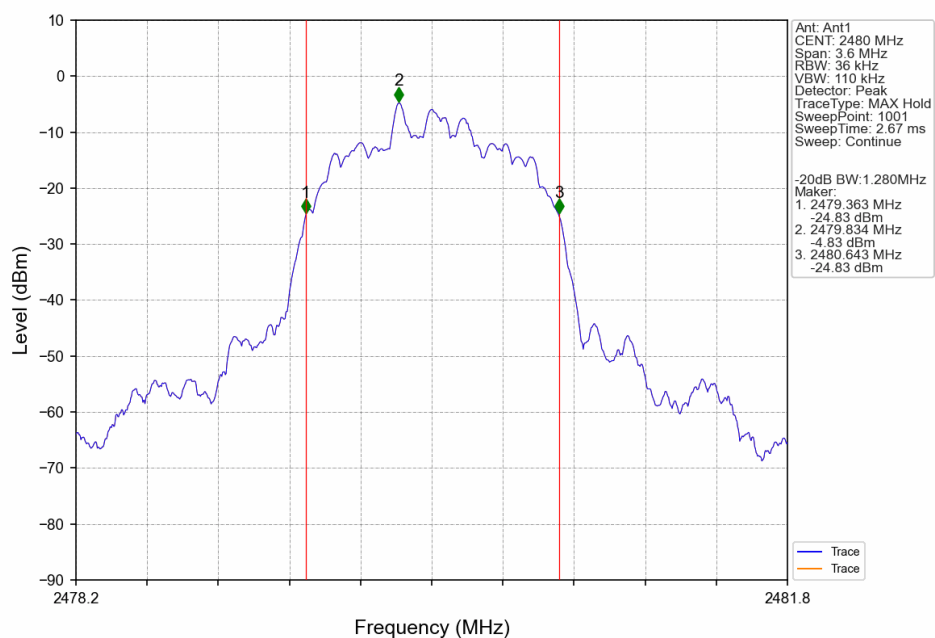
8DPSK_3DH5_MCH_2441MHz_Ant1_NTNV



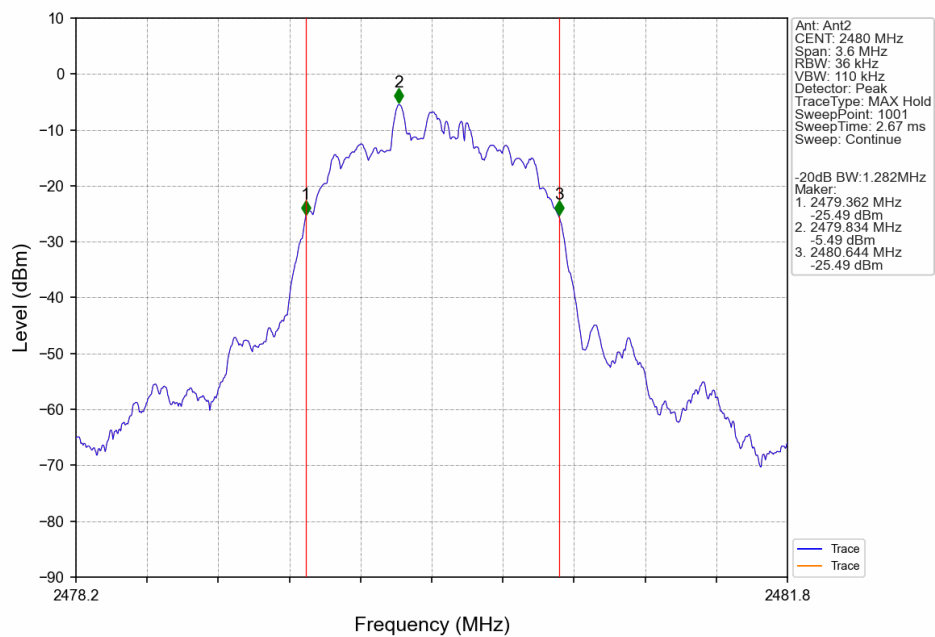
8DPSK_3DH5_MCH_2441MHz_Ant2_NTNV



8DPSK_3DH5_HCH_2480MHz_Ant1_NTNV



8DPSK_3DH5_HCH_2480MHz_Ant2_NTNV



2. Maximum Conducted Output Power

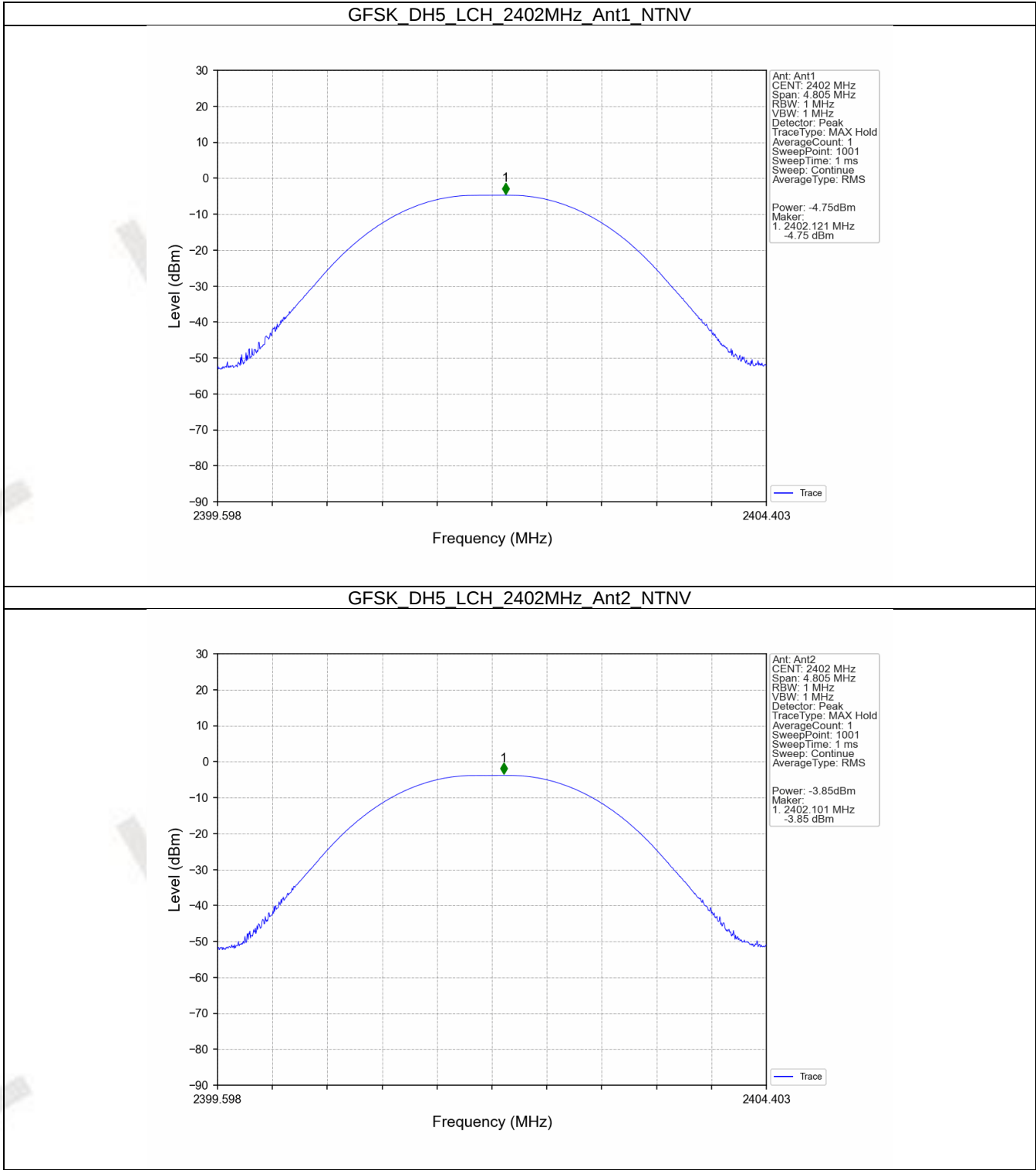
2.1 Test Result

2.1.1 Power

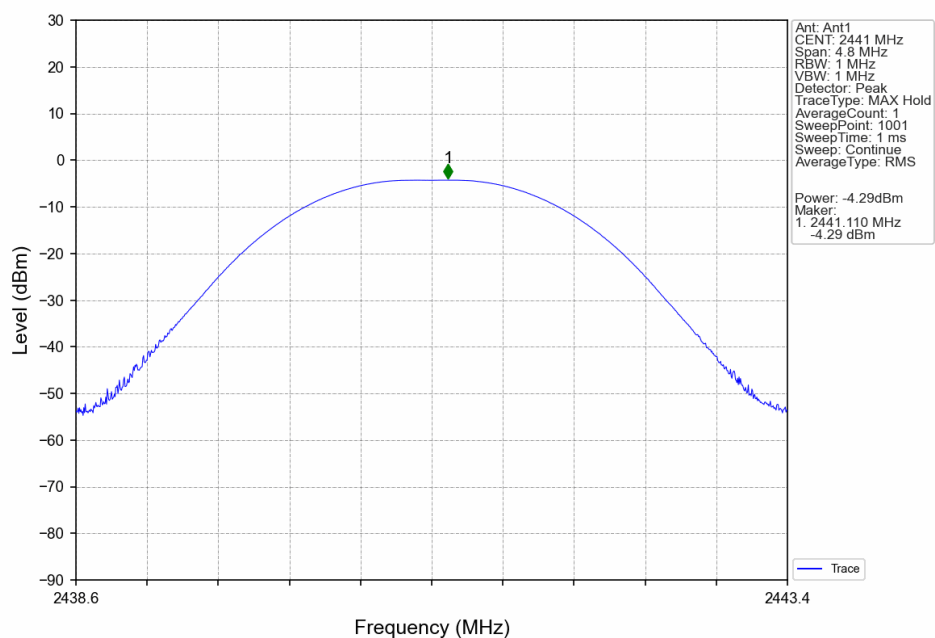
Mode	TX Type	Frequency (MHz)	Packet Type	Maximum Peak Conducted Output Power (dBm)			Verdict
				ANT1	ANT2	Limit	
GFSK	SISO	2402	DH5	-4.75	-3.85	<=30	Pass
		2441	DH5	-4.29	-3.29	<=30	Pass
		2480	DH5	-3.97	-2.96	<=30	Pass
Pi/4DQPSK	SISO	2402	2DH5	-3.85	-3.55	<=20.97	Pass
		2441	2DH5	-3.39	-2.98	<=20.97	Pass
		2480	2DH5	-3.02	-2.70	<=20.97	Pass
8DPSK	SISO	2402	3DH5	-4.37	-4.06	<=20.97	Pass
		2441	3DH5	-3.86	-3.56	<=20.97	Pass
		2480	3DH5	-2.57	-3.23	<=20.97	Pass
Note1: Antenna Gain: Ant1: 1.35dBi; Ant2: 1.37dBi;							

2.2 Test Graph

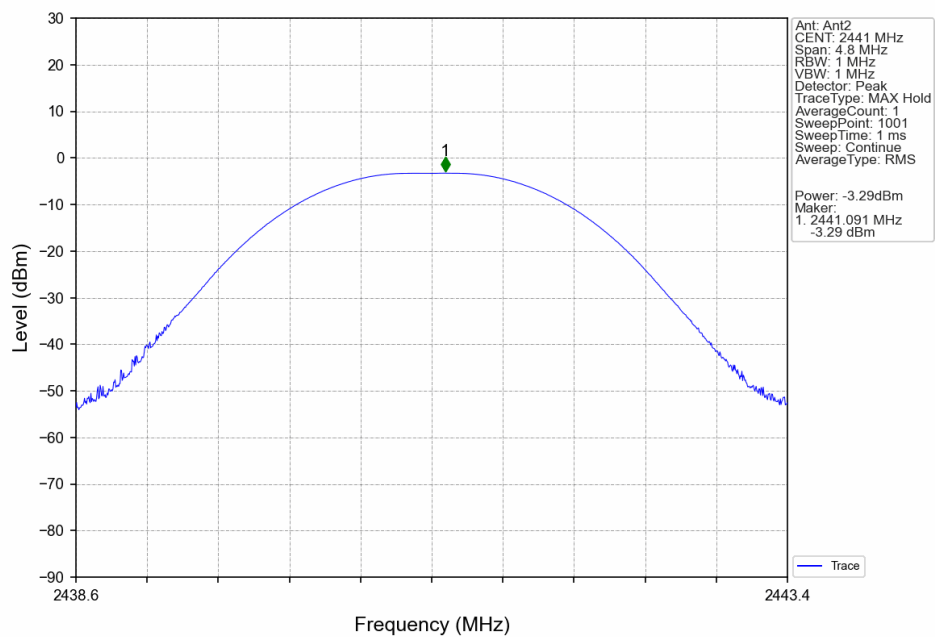
2.2.1 Power



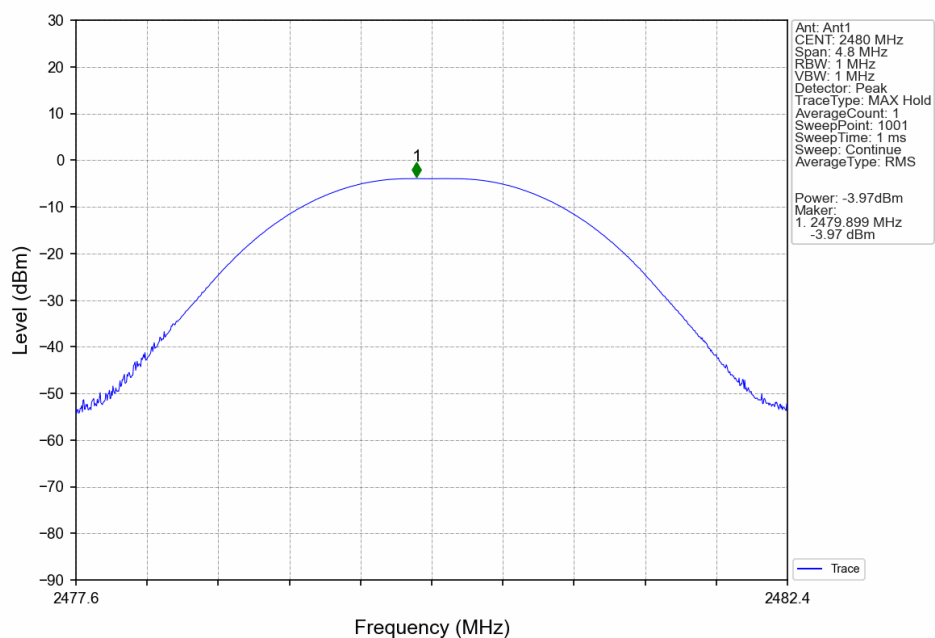
GFSK_DH5_MCH_2441MHz_Ant1_NTNV



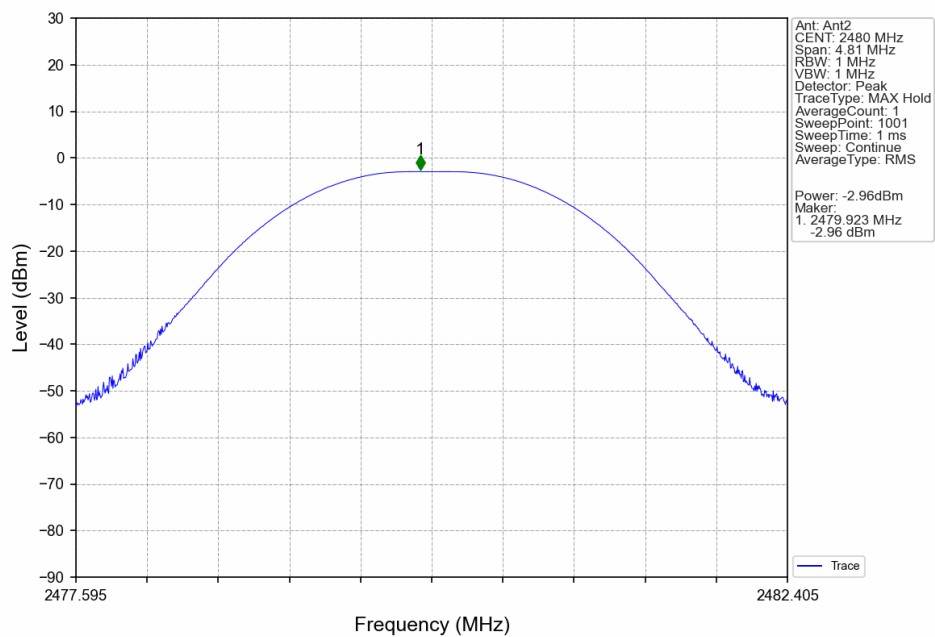
GFSK_DH5_MCH_2441MHz_Ant2_NTNV



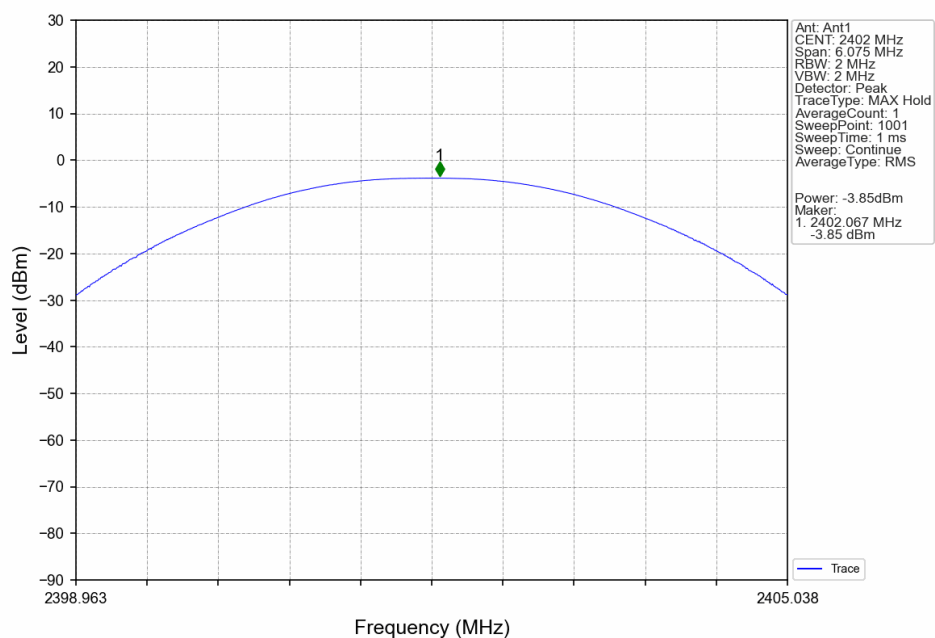
GFSK_DH5_HCH_2480MHz_Ant1_NTNV



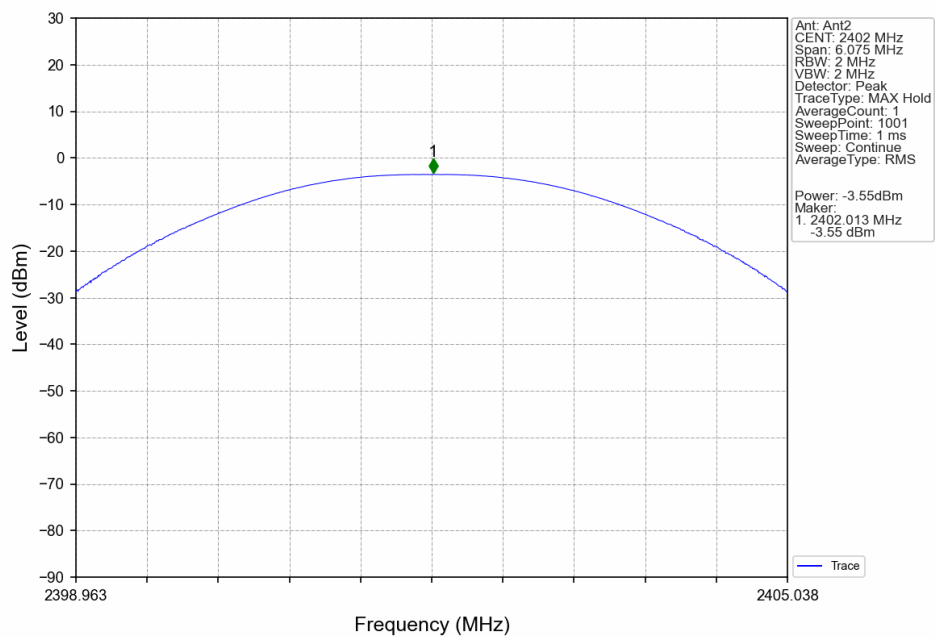
GFSK_DH5_HCH_2480MHz_Ant2_NTNV

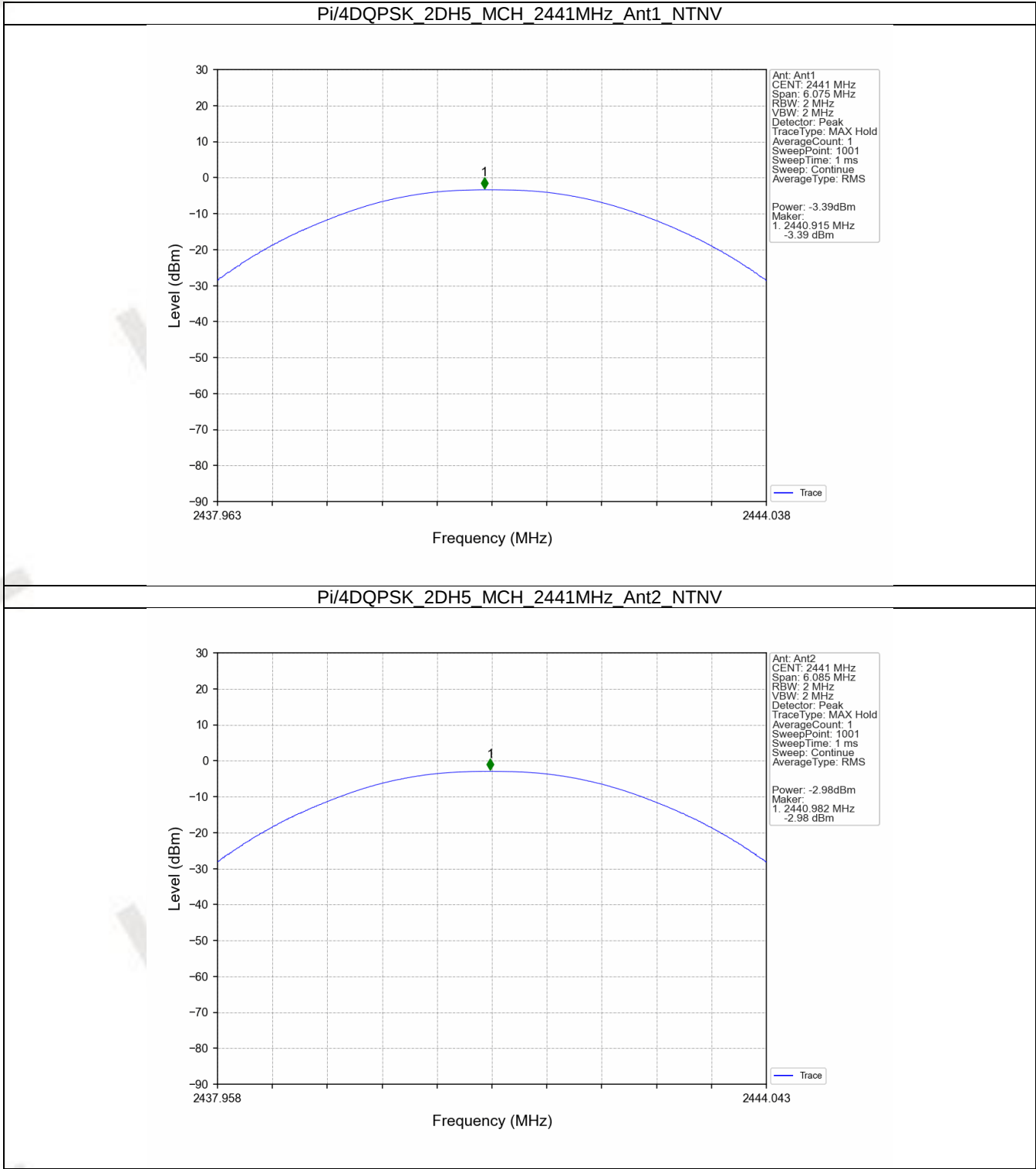


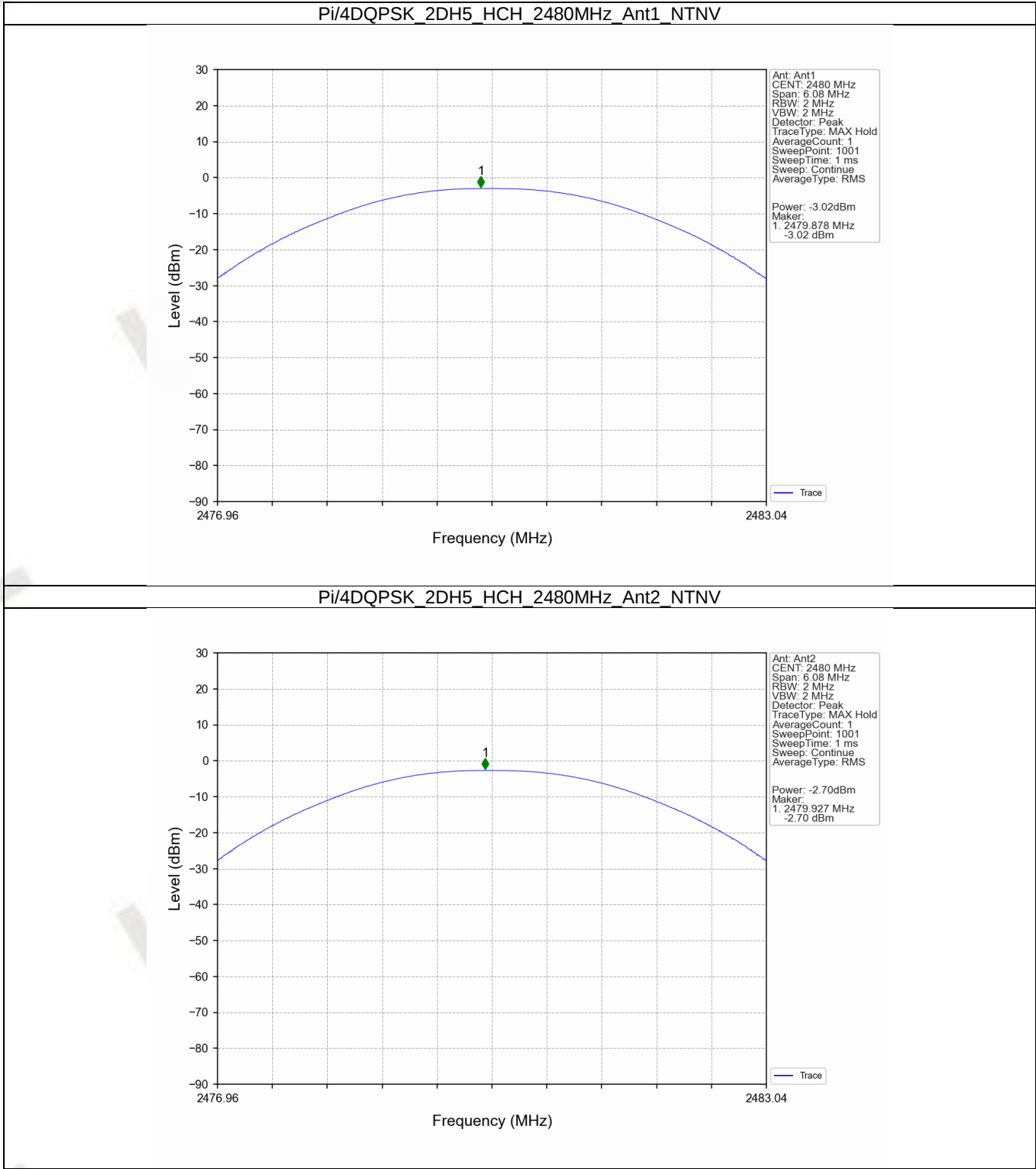
Pi/4DQPSK_2DH5_LCH_2402MHz_Ant1_NTNV

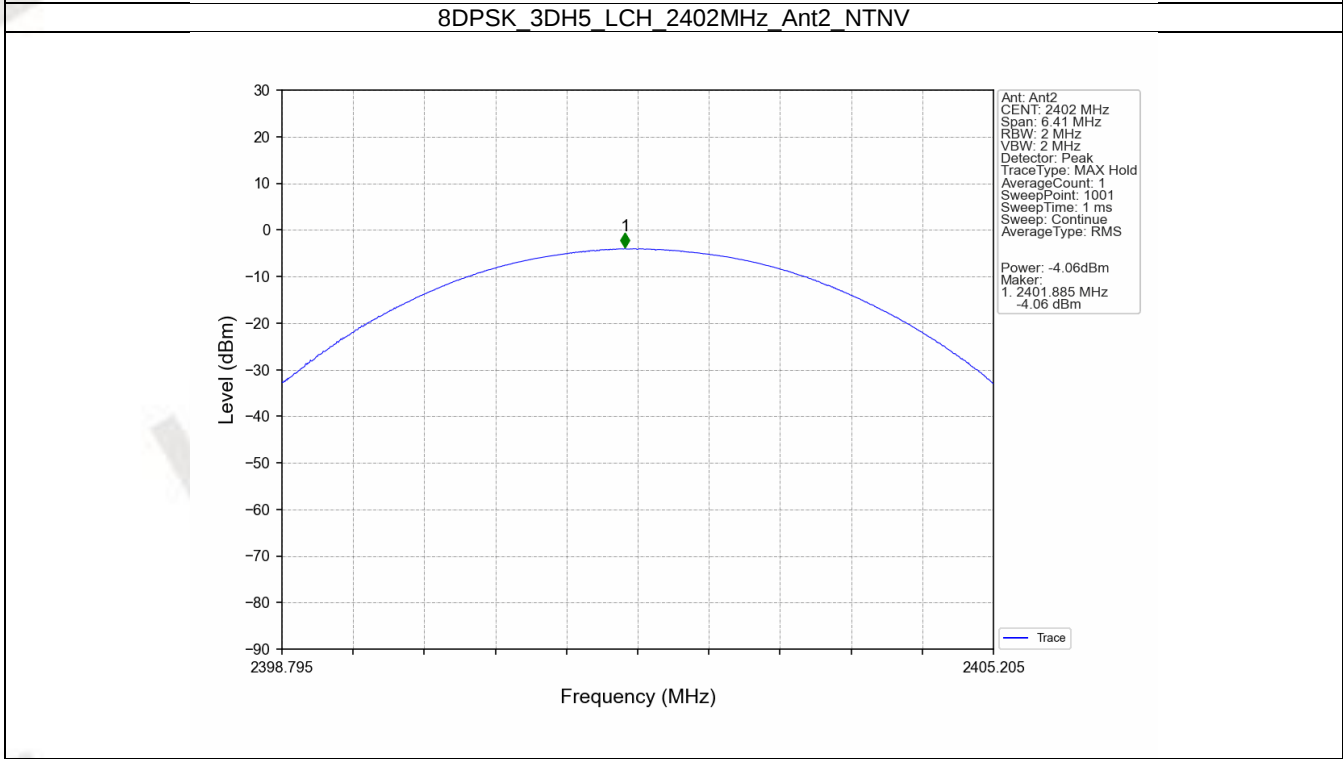
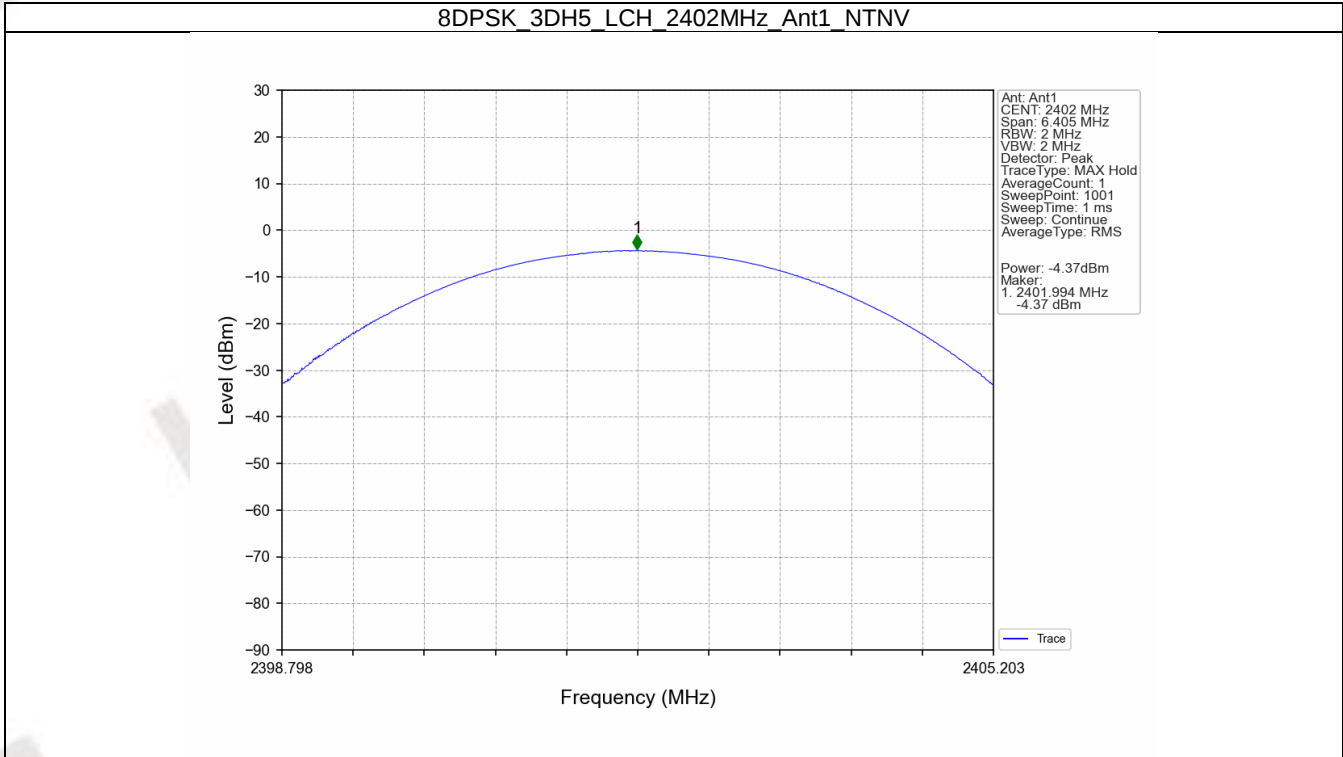


Pi/4DQPSK_2DH5_LCH_2402MHz_Ant2_NTNV

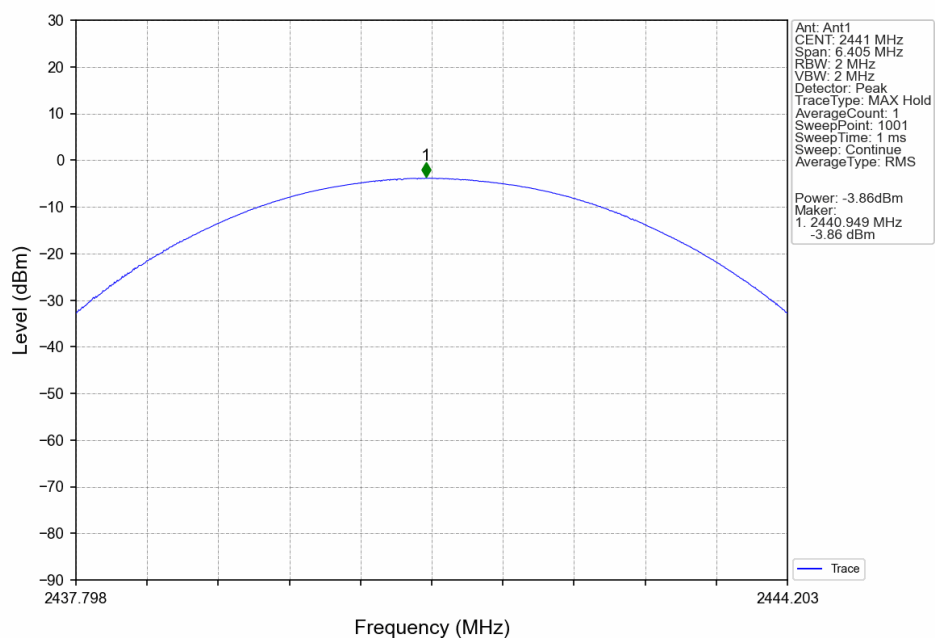




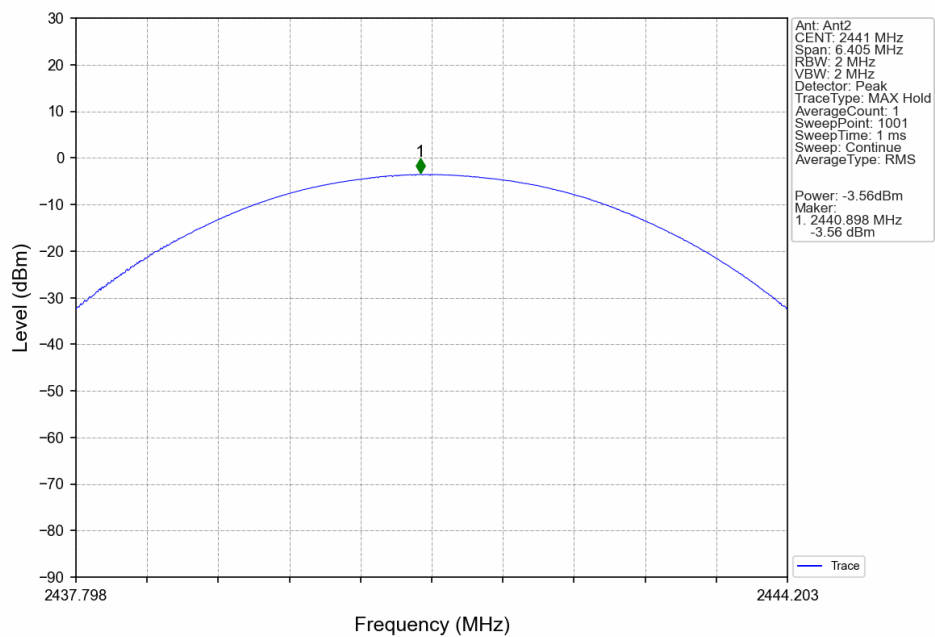




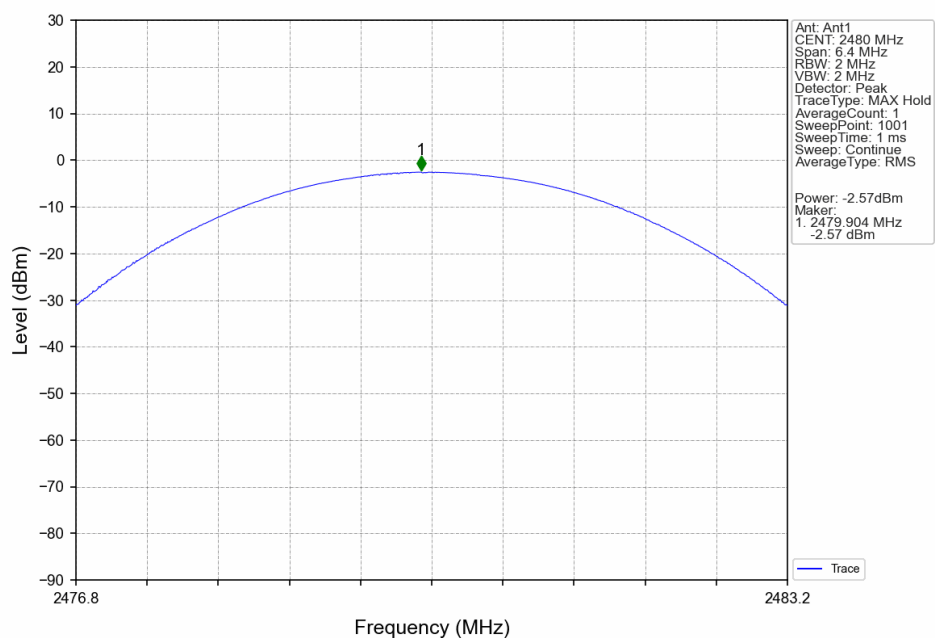
8DPSK_3DH5_MCH_2441MHz_Ant1_NTNV



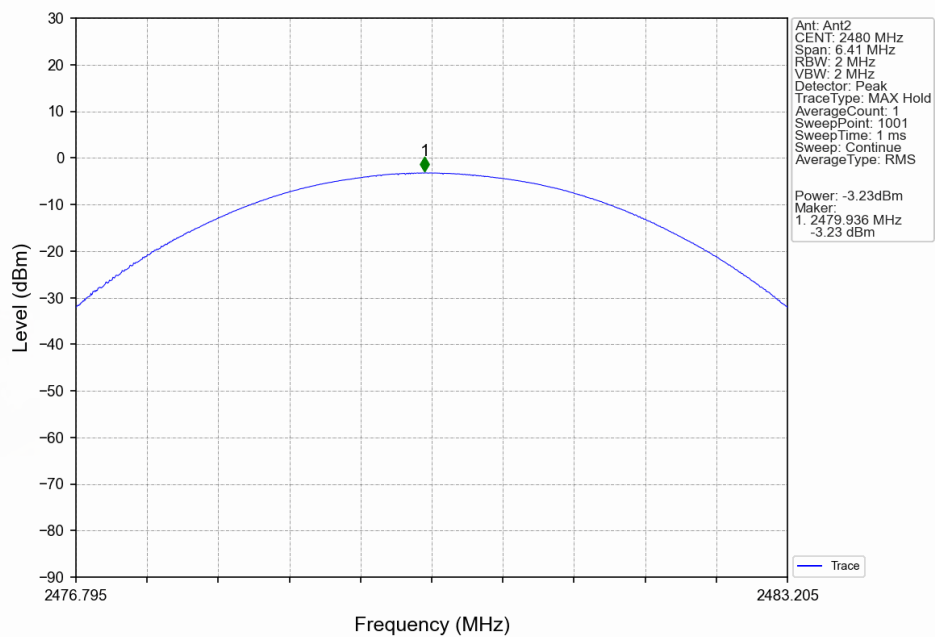
8DPSK_3DH5_MCH_2441MHz_Ant2_NTNV



8DPSK_3DH5_HCH_2480MHz_Ant1_NTNV



8DPSK_3DH5_HCH_2480MHz_Ant2_NTNV



3. Carrier Frequency Separation

3.1 Test Result

3.1.1 Ant1

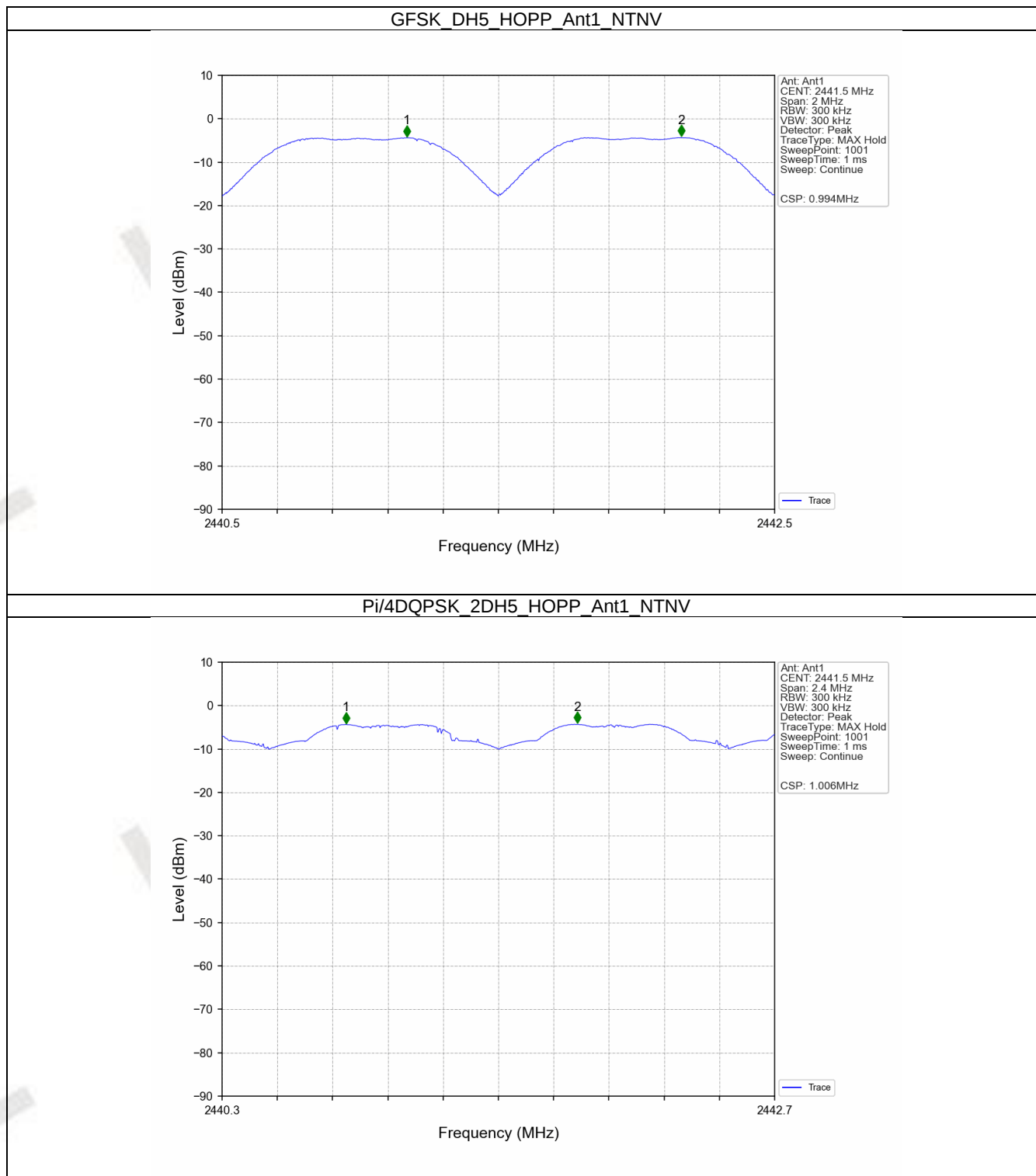
Ant1							
Mode	TX Type	Frequency (MHz)	Packet Type	Channel Separation (MHz)	20dB Bandwidth (MHz)	Limit (MHz)	Verdict
GFSK	SISO	HOPP	DH5	0.994	0.961	≥ 0.961	Pass
Pi/4DQPSK	SISO	HOPP	2DH5	1.006	1.216	≥ 0.811	Pass
8DPSK	SISO	HOPP	3DH5	1.013	1.281	≥ 0.854	Pass

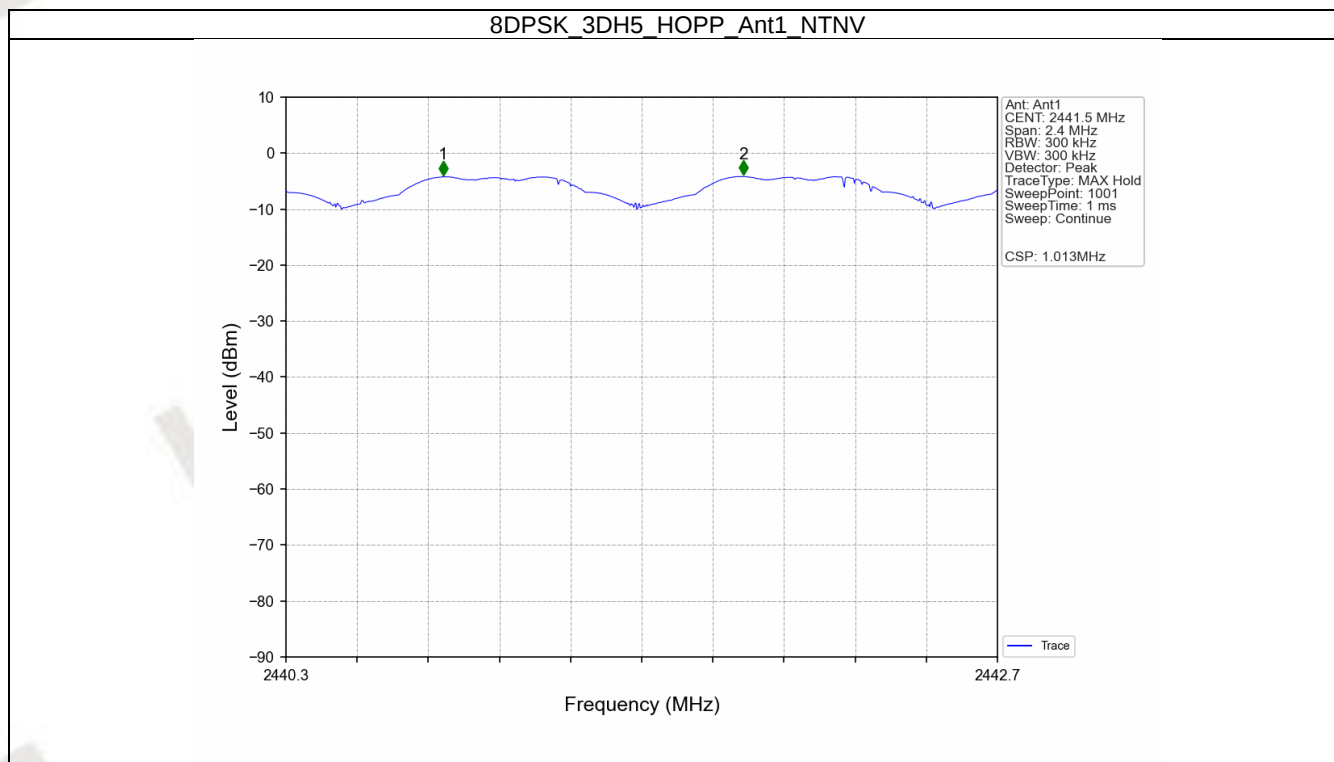
3.1.2 Ant2

Ant2							
Mode	TX Type	Frequency (MHz)	Packet Type	Channel Separation (MHz)	20dB Bandwidth (MHz)	Limit (MHz)	Verdict
GFSK	SISO	HOPP	DH5	1.000	0.962	≥ 0.962	Pass
Pi/4DQPSK	SISO	HOPP	2DH5	1.008	1.217	≥ 0.811	Pass
8DPSK	SISO	HOPP	3DH5	1.008	1.282	≥ 0.855	Pass

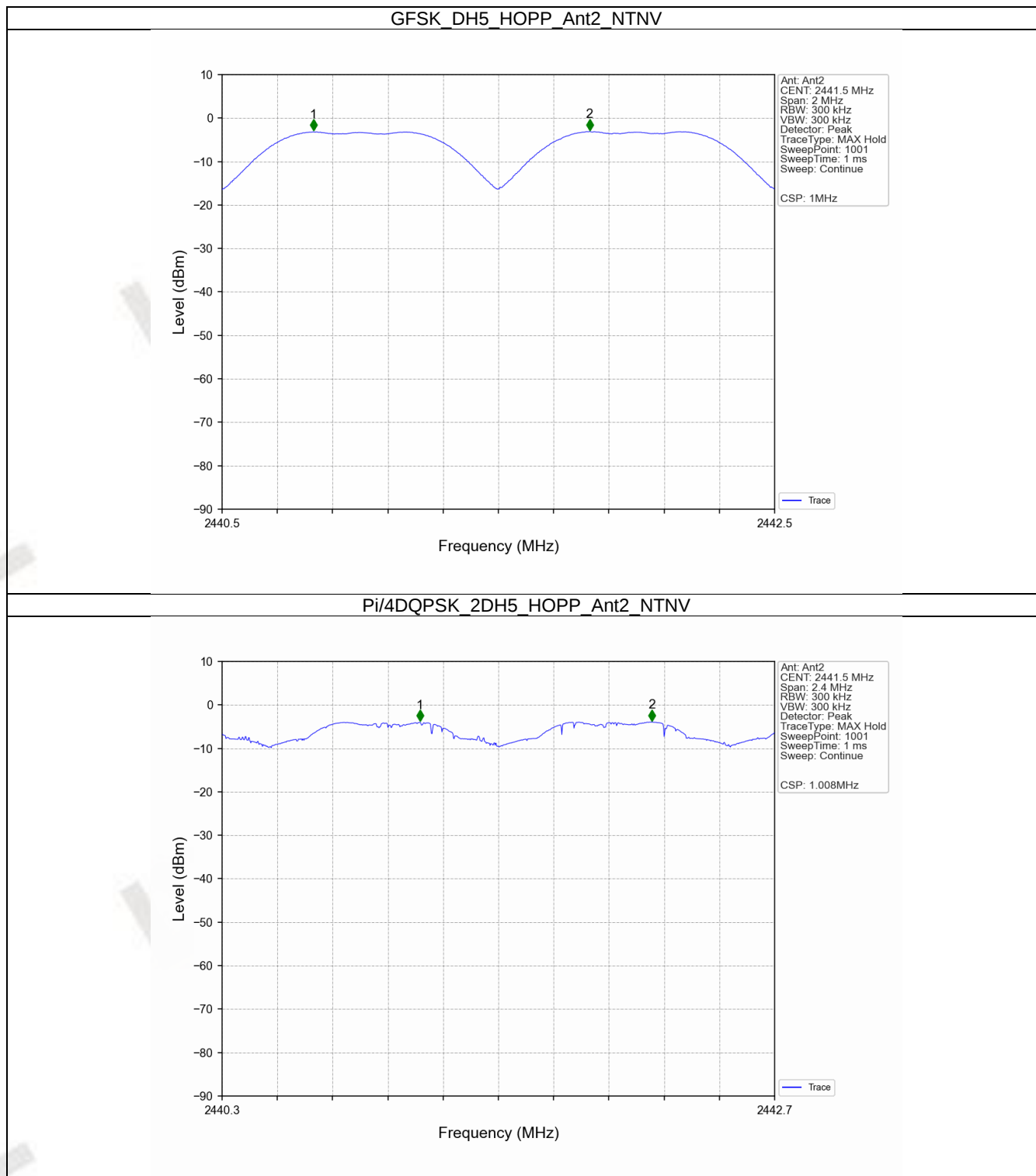
3.2 Test Graph

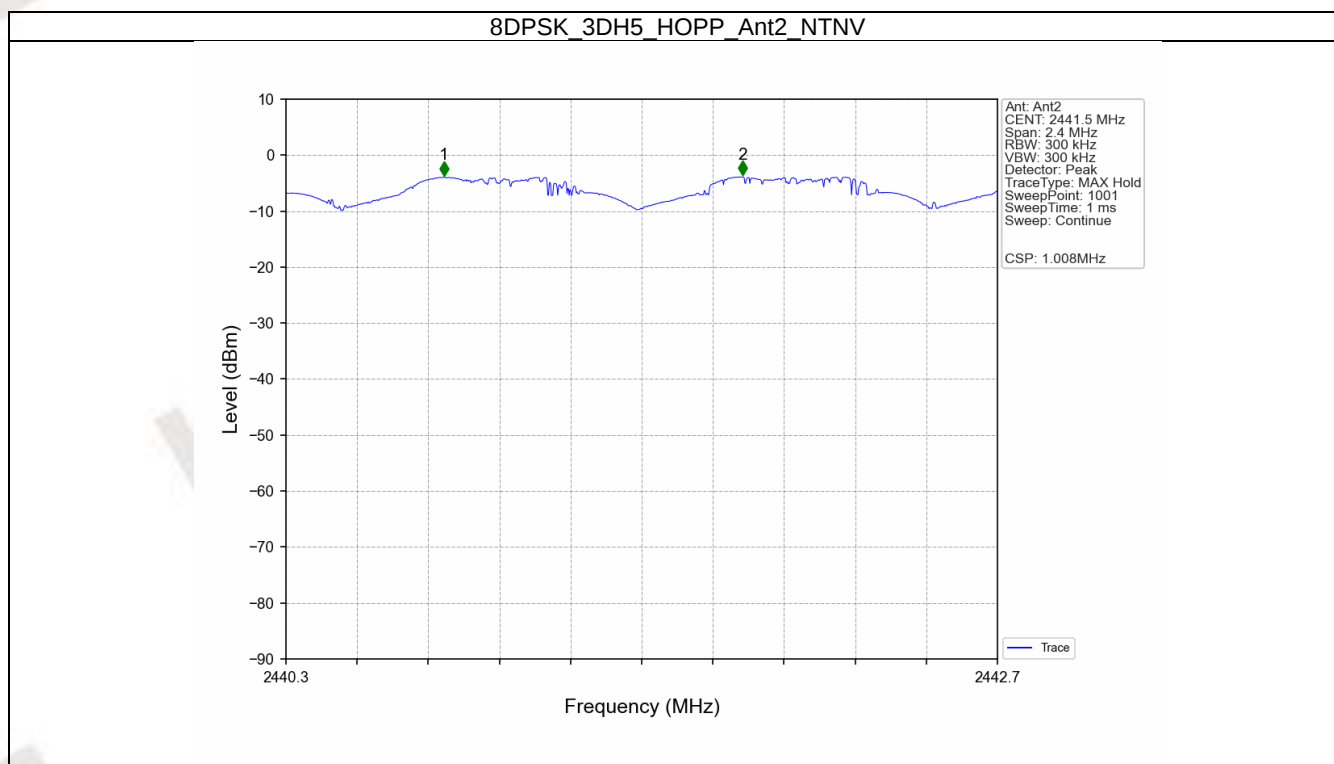
3.2.1 Ant1





3.2.2 Ant2





4. Number of Hopping Frequencies

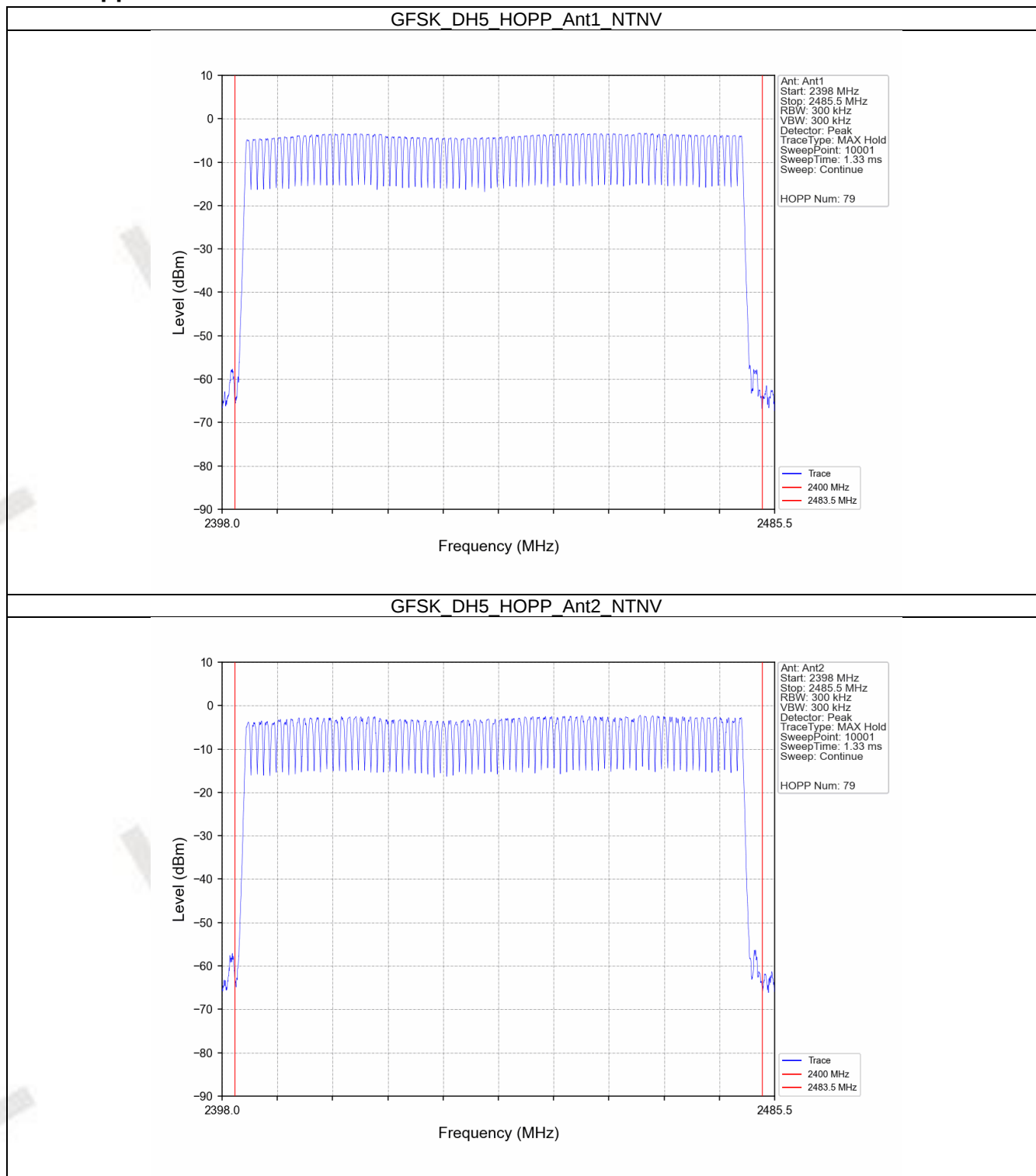
4.1 Test Result

4.1.1 HoppNum

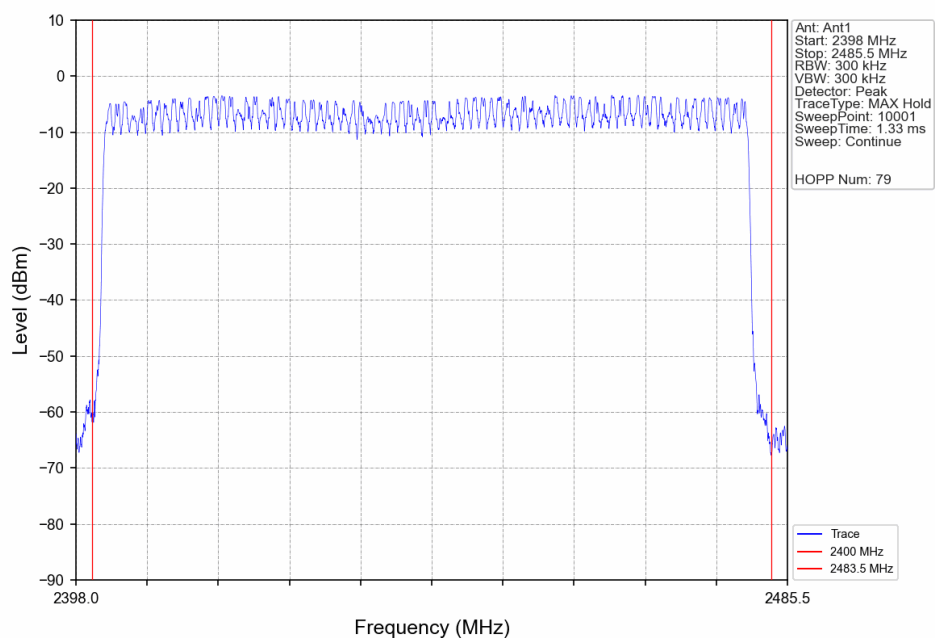
Mode	TX Type	Frequency (MHz)	Packet Type	Num of Hopping Frequencies			Verdict
				ANT1	ANT2	Limit	
GFSK	SISO	HOPP	DH5	79	79	≥ 15	Pass
Pi/4DQPSK	SISO	HOPP	2DH5	79	79	≥ 15	Pass
8DPSK	SISO	HOPP	3DH5	79	79	≥ 15	Pass

4.2 Test Graph

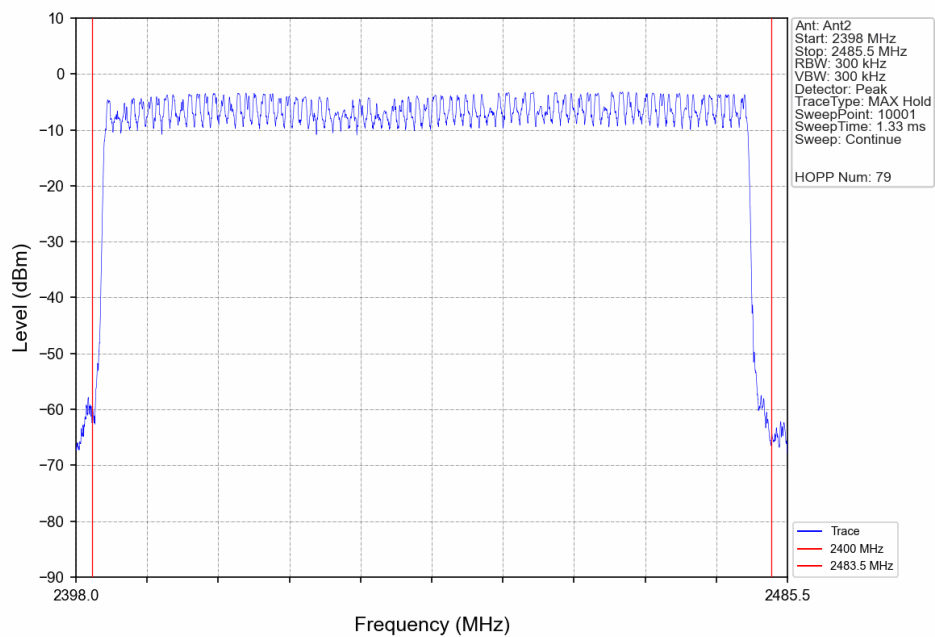
4.2.1 HoppNum



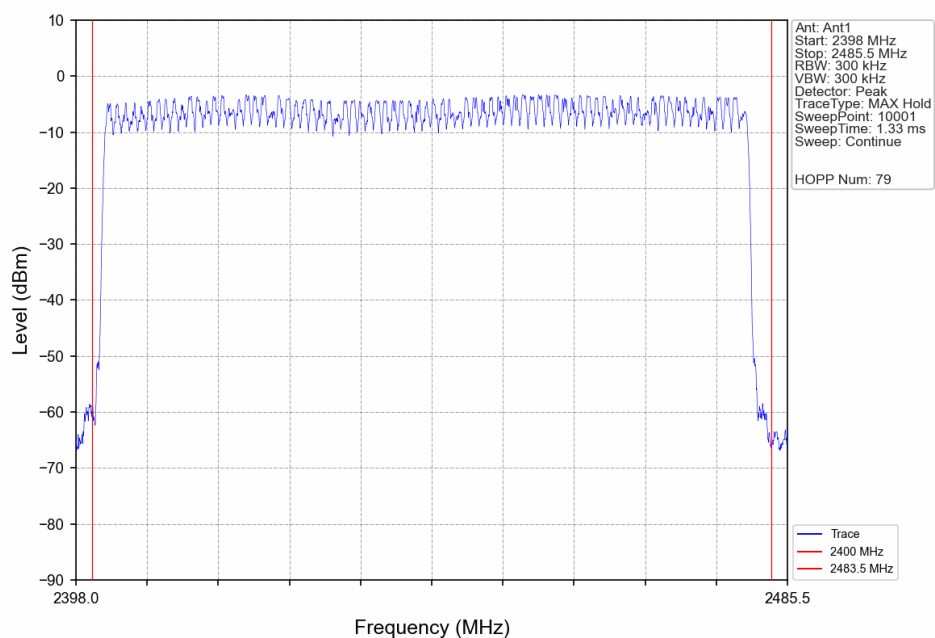
Pi/4DQPSK_2DH5_HOPP_Ant1_NTNV



Pi/4DQPSK_2DH5_HOPP_Ant2_NTNV



8DPSK_3DH5_HOPP_Ant1_NTNV



8DPSK_3DH5_HOPP_Ant2_NTNV

