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	0.917	/	Pass
		2441	DH5	1	0.920	/	Pass
		2480	DH5	1	0.920	/	Pass
π/4-DQPSK	SISO	2402	2DH5	1	1.188	/	Pass
		2441	2DH5	1	1.188	/	Pass
		2480	2DH5	1	1.188	/	Pass
8-DPSK	SISO	2402	3DH5	1	1.183	/	Pass
		2441	3DH5	1	1.186	/	Pass
		2480	3DH5	1	1.184	/	Pass

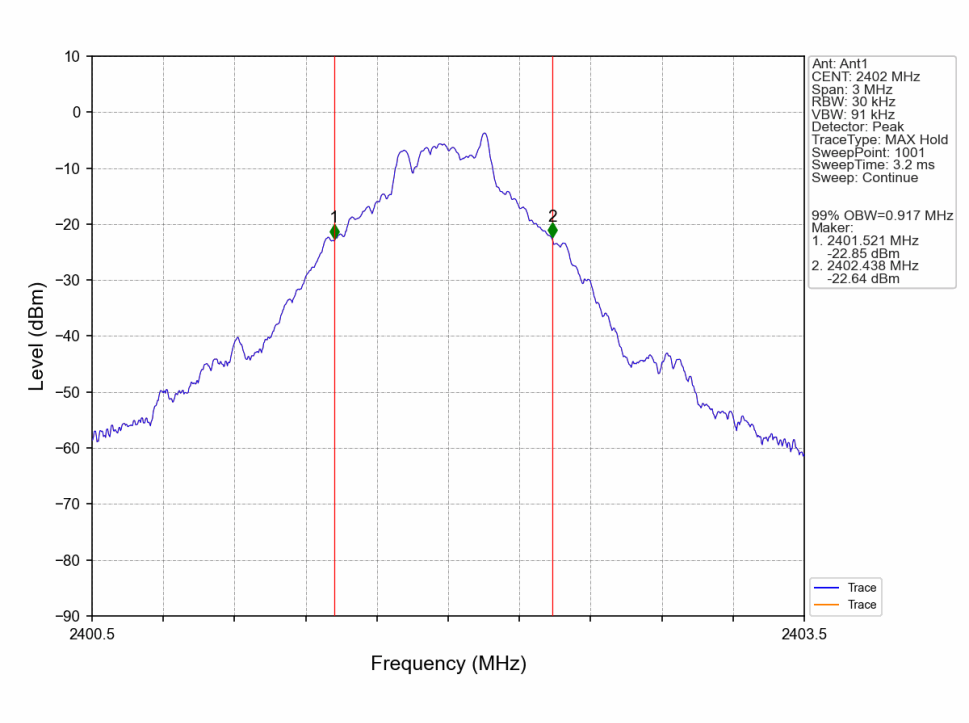
1.1.2 20dB BW

Mode	TX Type	Frequency (MHz)	Packet Type	ANT	20dB Bandwidth (MHz)		Verdict
					Result	Limit	
GFSK	SISO	2402	DH5	1	1.021	/	Pass
		2441	DH5	1	1.020	/	Pass
		2480	DH5	1	1.018	/	Pass
π/4-DQPSK	SISO	2402	2DH5	1	1.322	/	Pass
		2441	2DH5	1	1.323	/	Pass
		2480	2DH5	1	1.324	/	Pass
8-DPSK	SISO	2402	3DH5	1	1.309	/	Pass
		2441	3DH5	1	1.305	/	Pass
		2480	3DH5	1	1.309	/	Pass

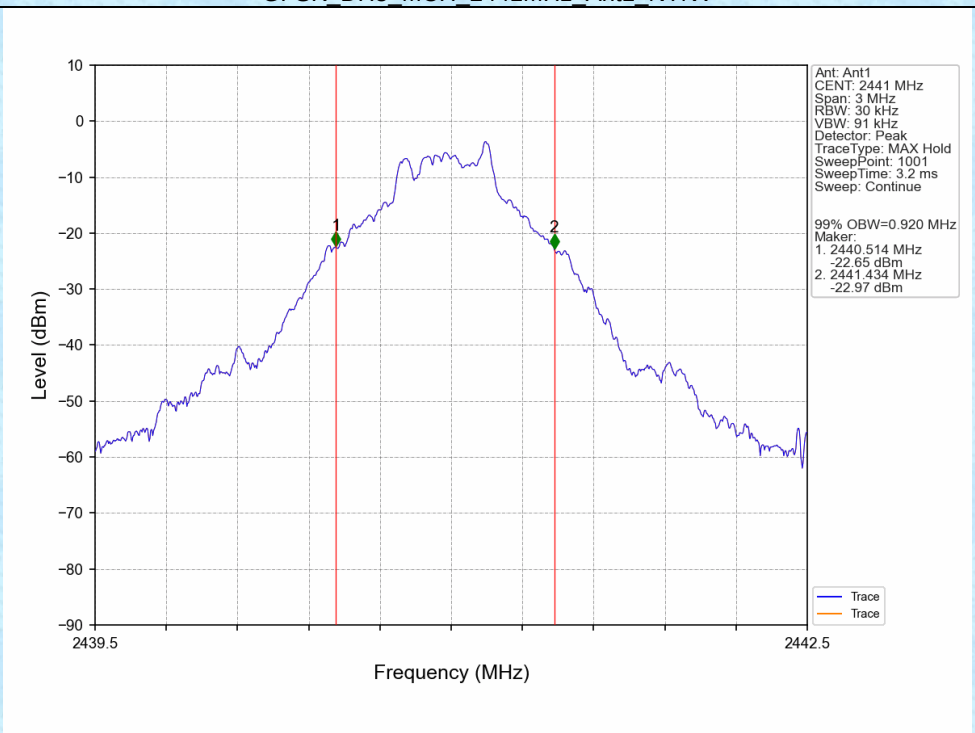
1.2 Test Graph

1.2.1 OBW

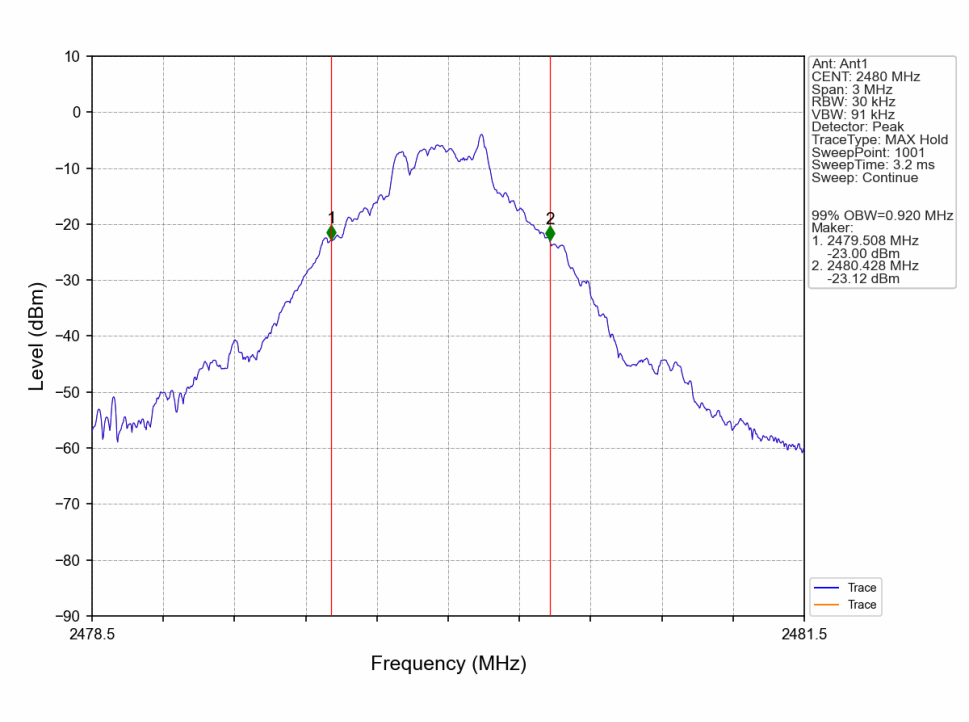
GFSK_DH5_LCH_2402MHz_Ant1_NTNV



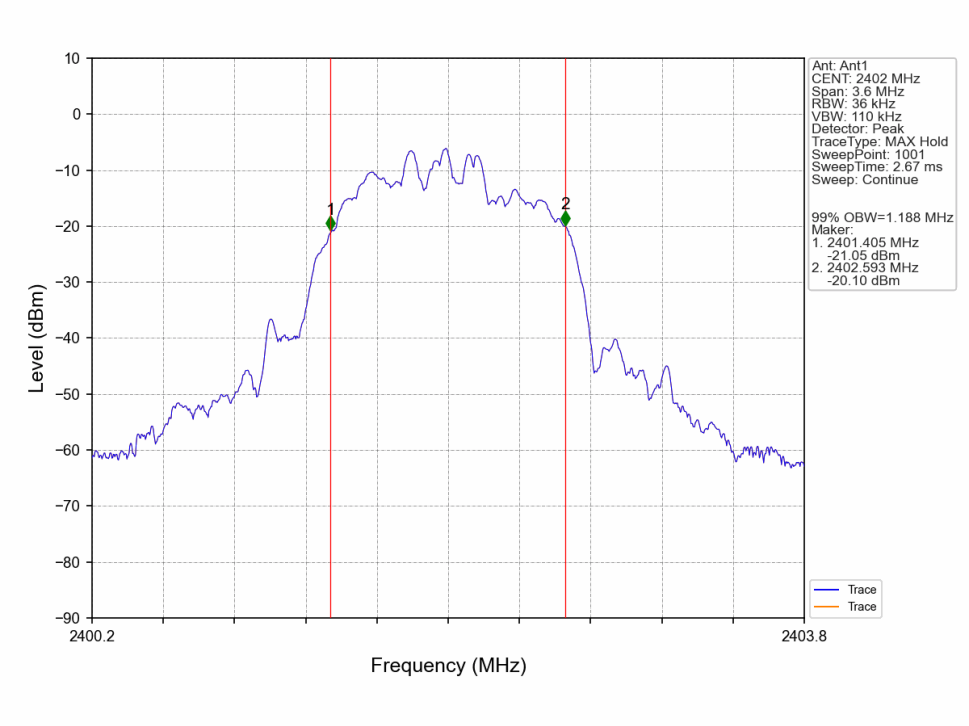
GFSK_DH5_MCH_2441MHz_Ant1_NTNV



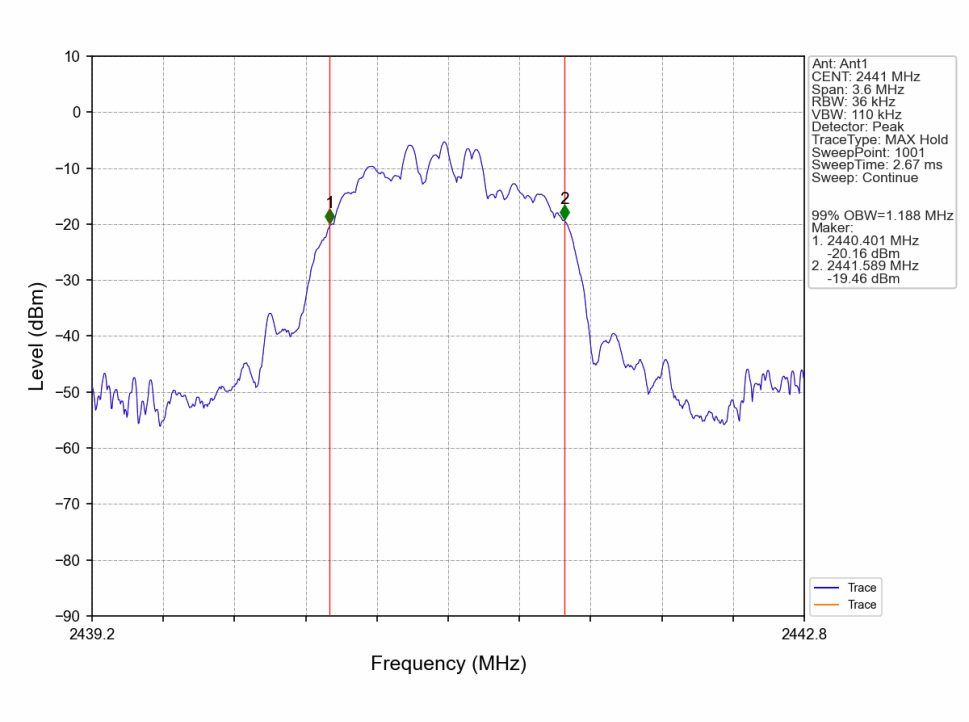
GFSK_DH5_HCH_2480MHz_Ant1_NTNV



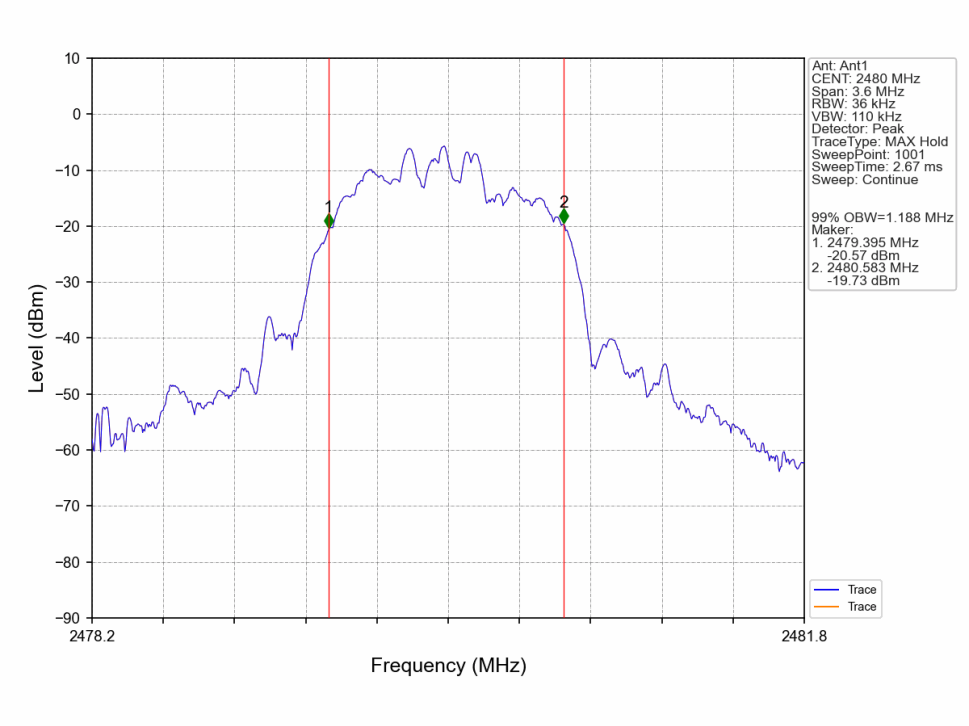
π/4-DQPSK_2DH5_LCH_2402MHz_Ant1_NTNV



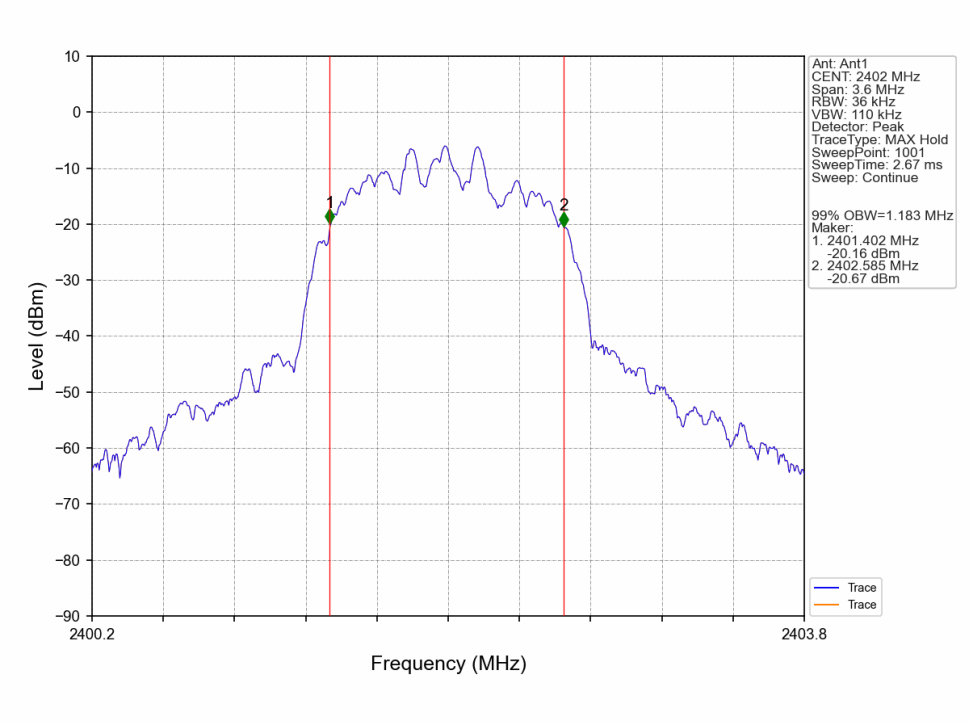
π/4-DQPSK_2DH5_MCH_2441MHz_Ant1_NTNV



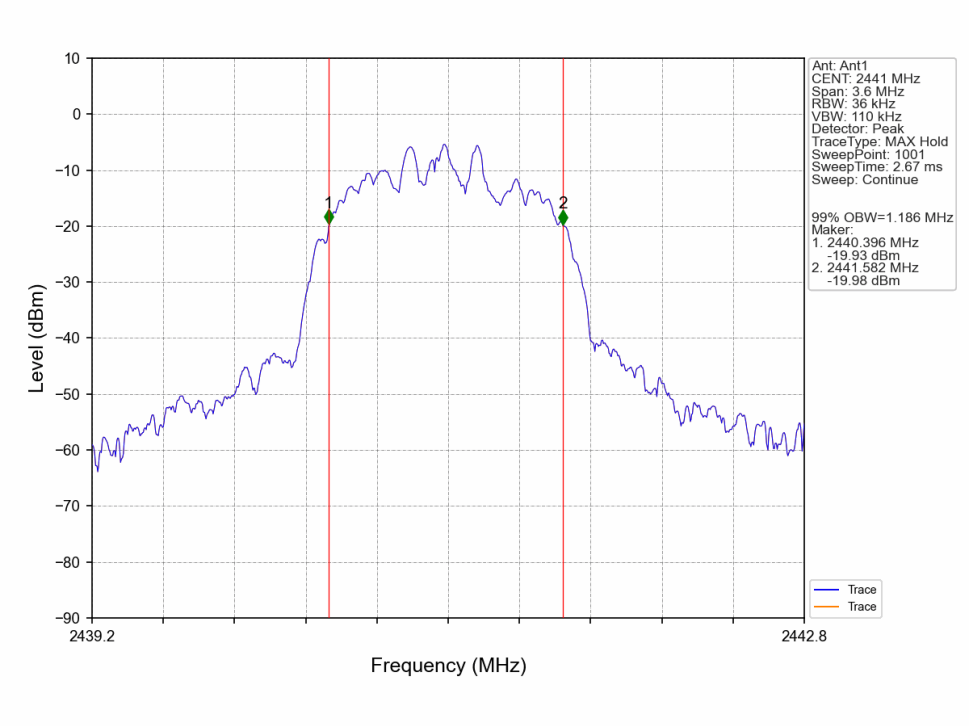
π/4-DQPSK_2DH5_HCH_2480MHz_Ant1_NTNV



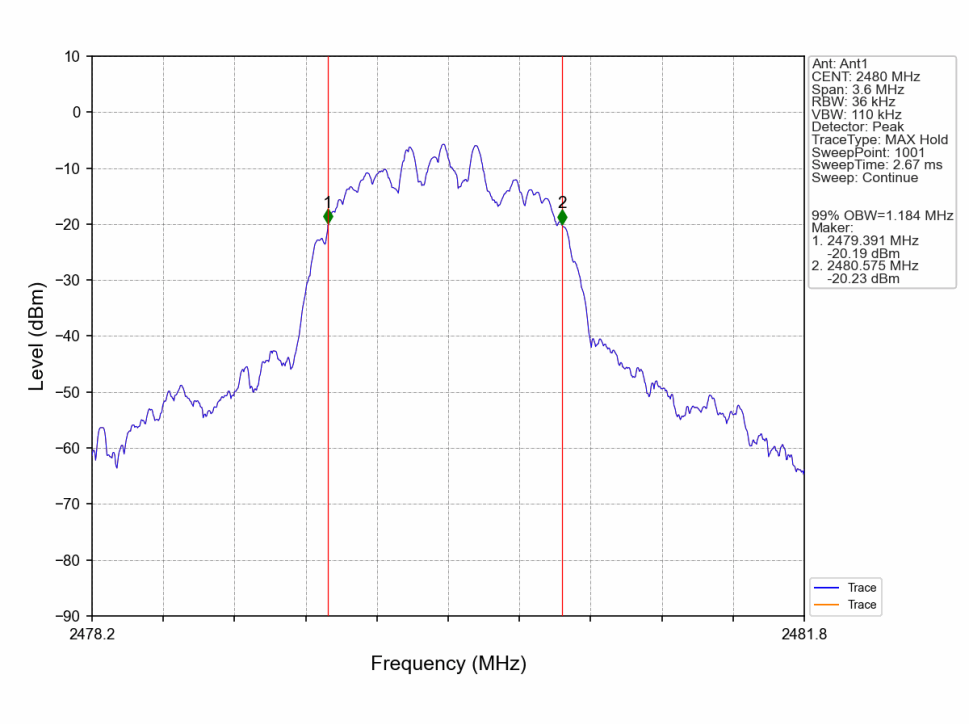
8-DPSK_3DH5_LCH_2402MHz_Ant1_NTNV



8-DPSK_3DH5_MCH_2441MHz_Ant1_NTNV

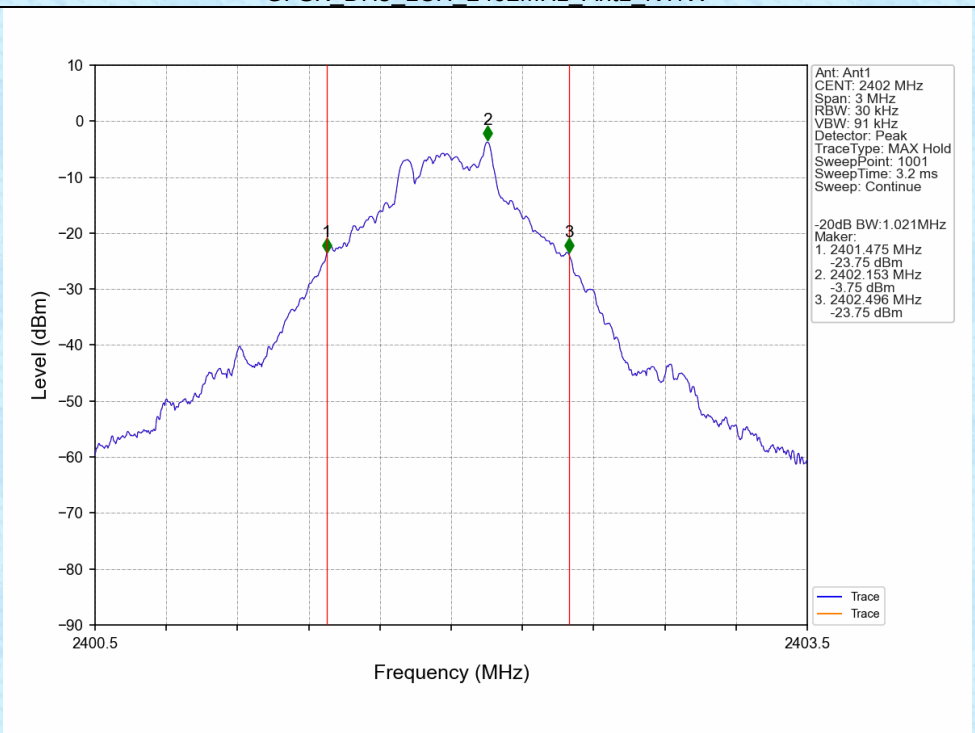


8-DPSK_3DH5_HCH_2480MHz_Ant1_NTNV

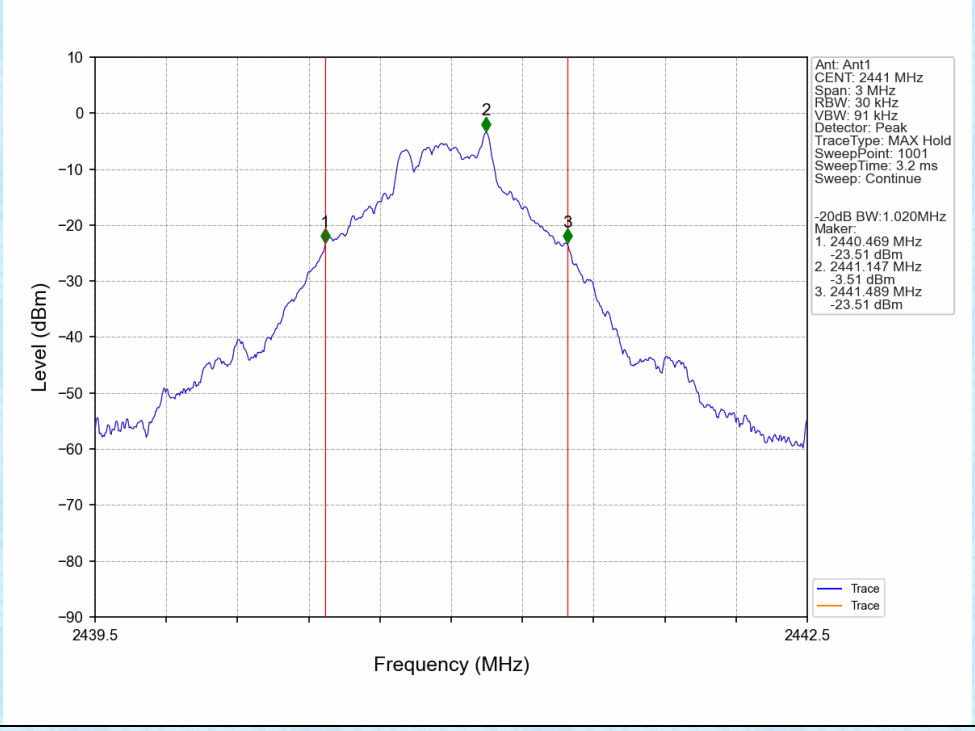


1.2.2 20dB BW

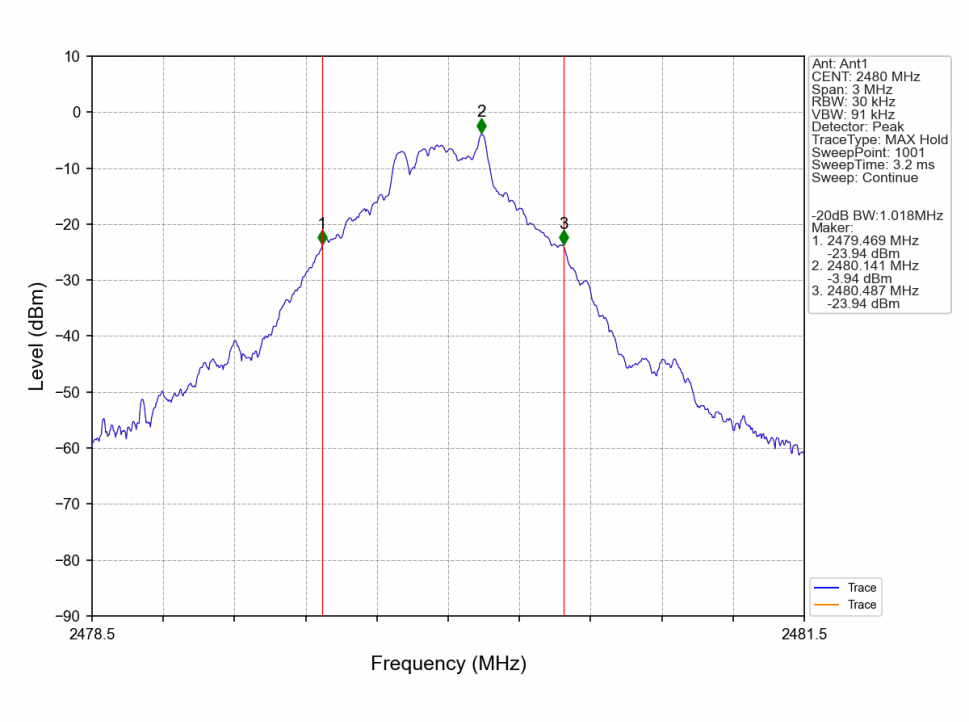
GFSK_DH5_LCH_2402MHz_Ant1_NTNV



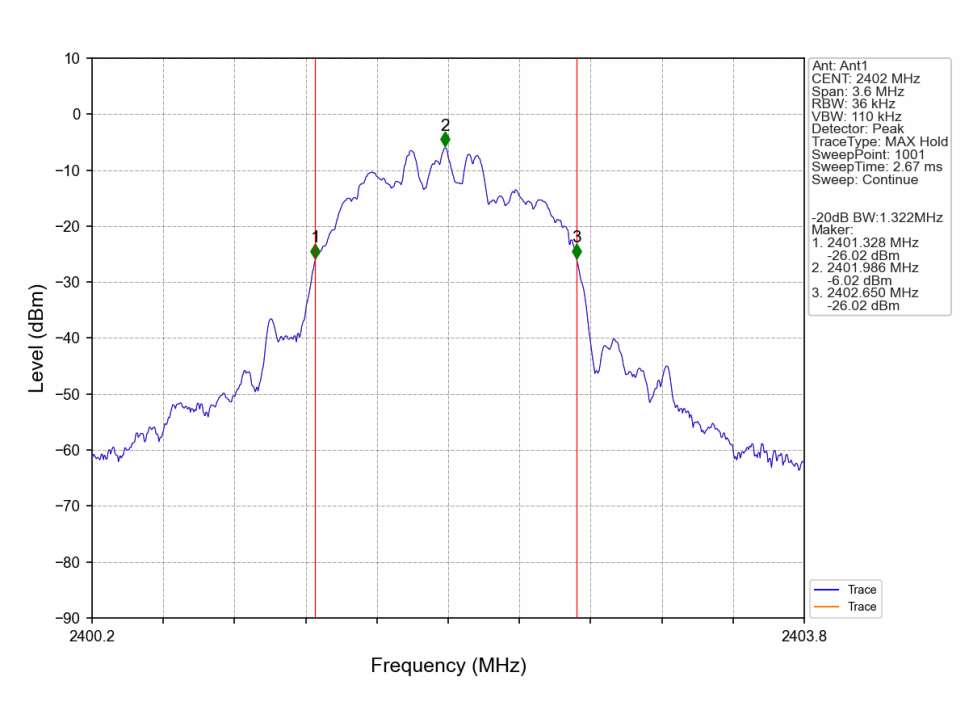
GFSK_DH5_MCH_2441MHz_Ant1_NTNV



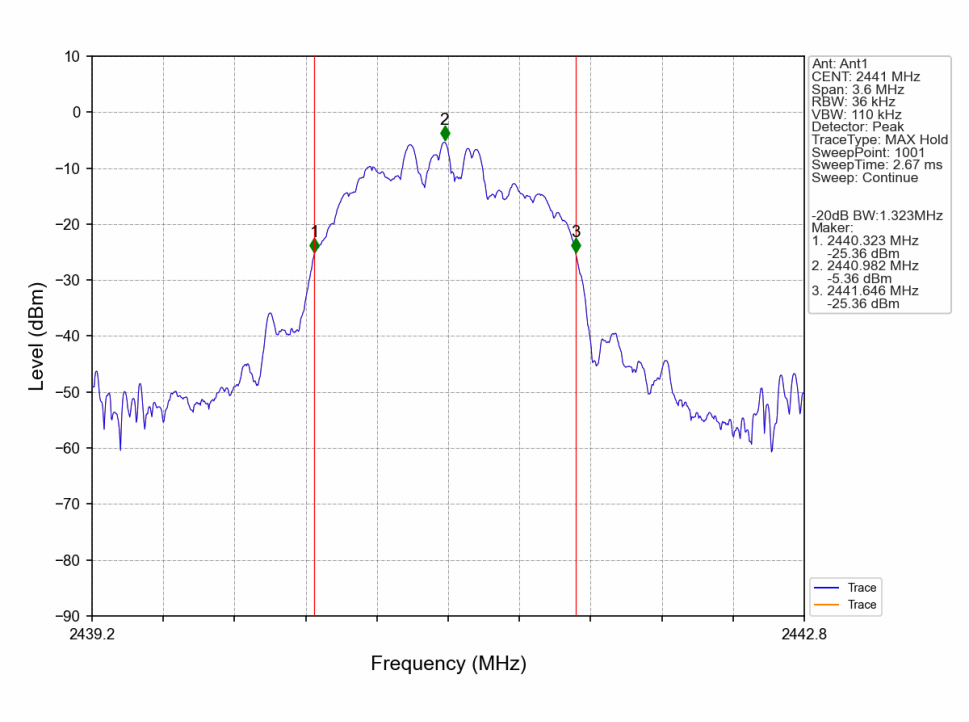
GFSK_DH5_HCH_2480MHz_Ant1_NTNV



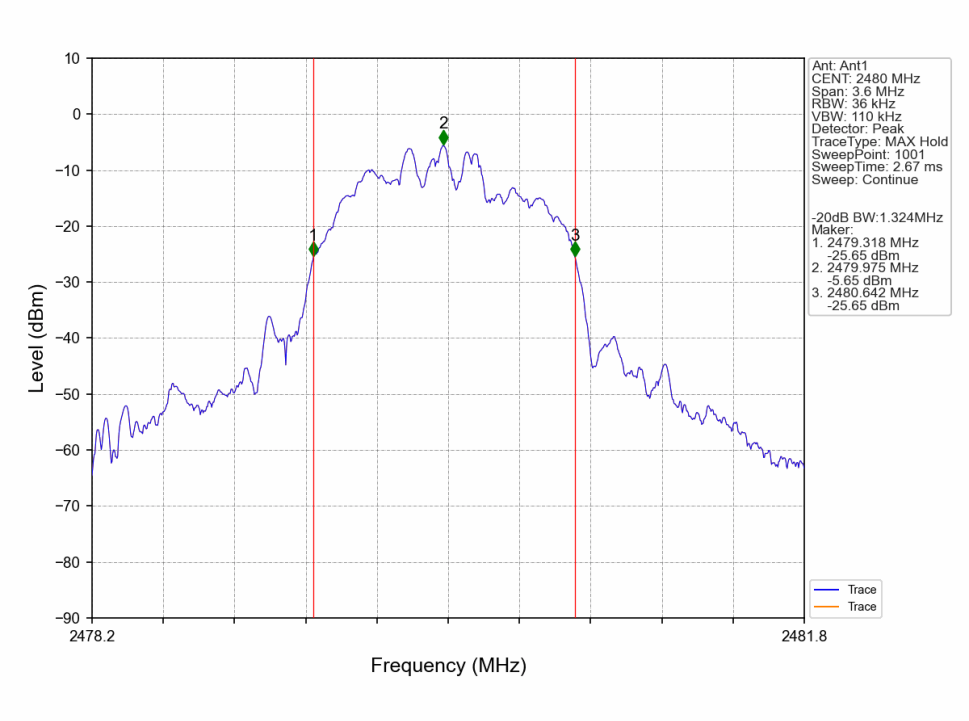
π/4-DQPSK_2DH5_LCH_2402MHz_Ant1_NTNV



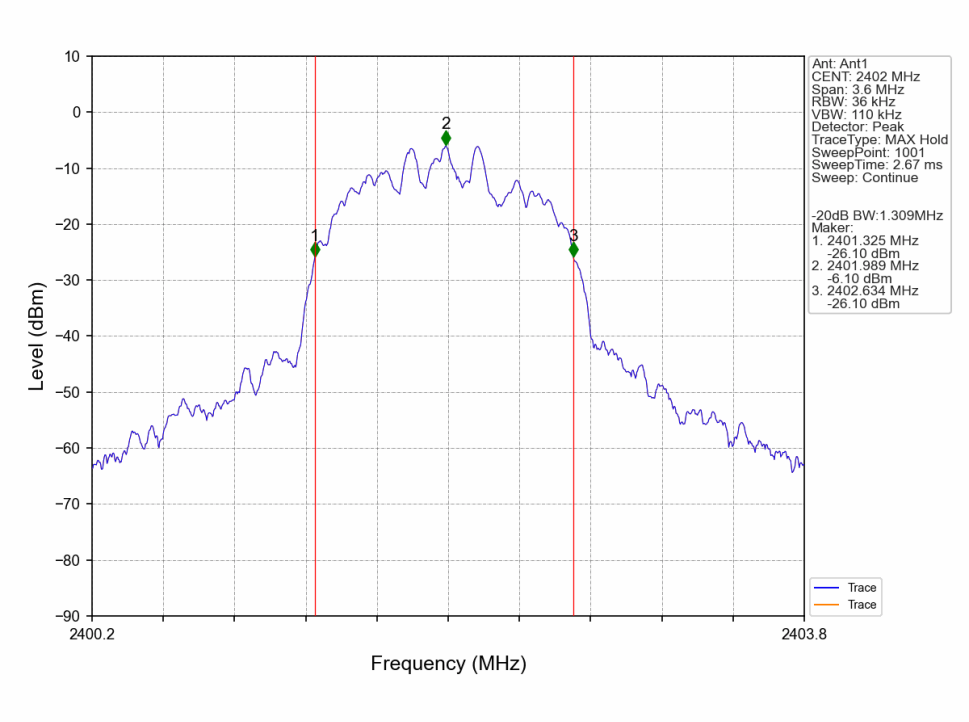
π/4-DQPSK_2DH5_MCH_2441MHz_Ant1_NTNV



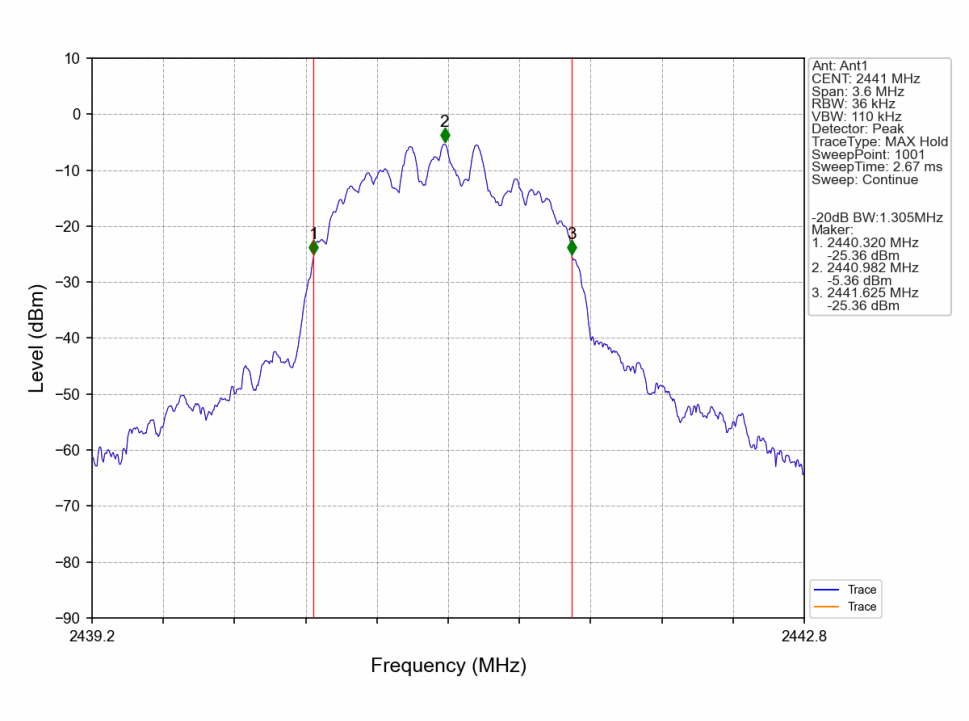
π/4-DQPSK_2DH5_HCH_2480MHz_Ant1_NTNV



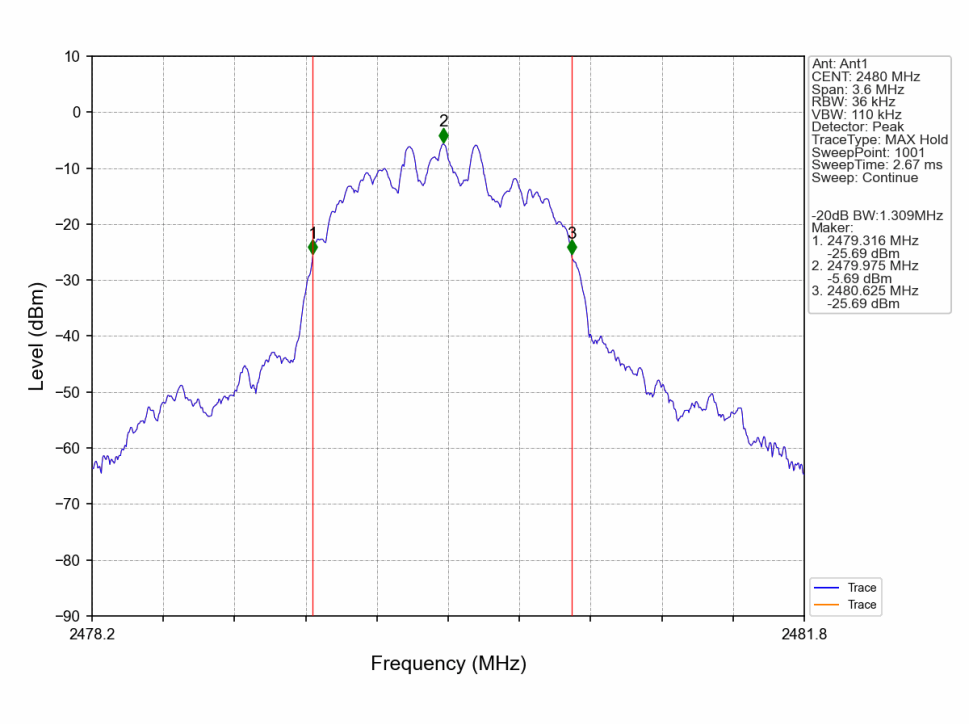
8-DPSK_3DH5_LCH_2402MHz_Ant1_NTNV



8-DPSK_3DH5_MCH_2441MHz_Ant1_NTNV



8-DPSK_3DH5_HCH_2480MHz_Ant1_NTNV



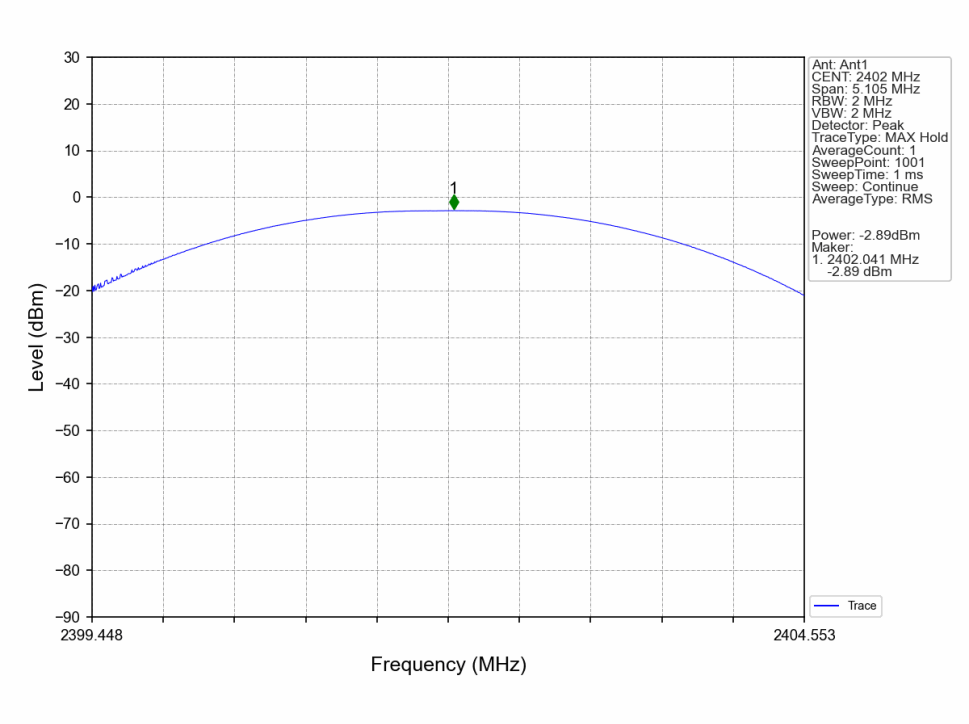
2. Maximum Conducted Output Power

2.1 Test Result

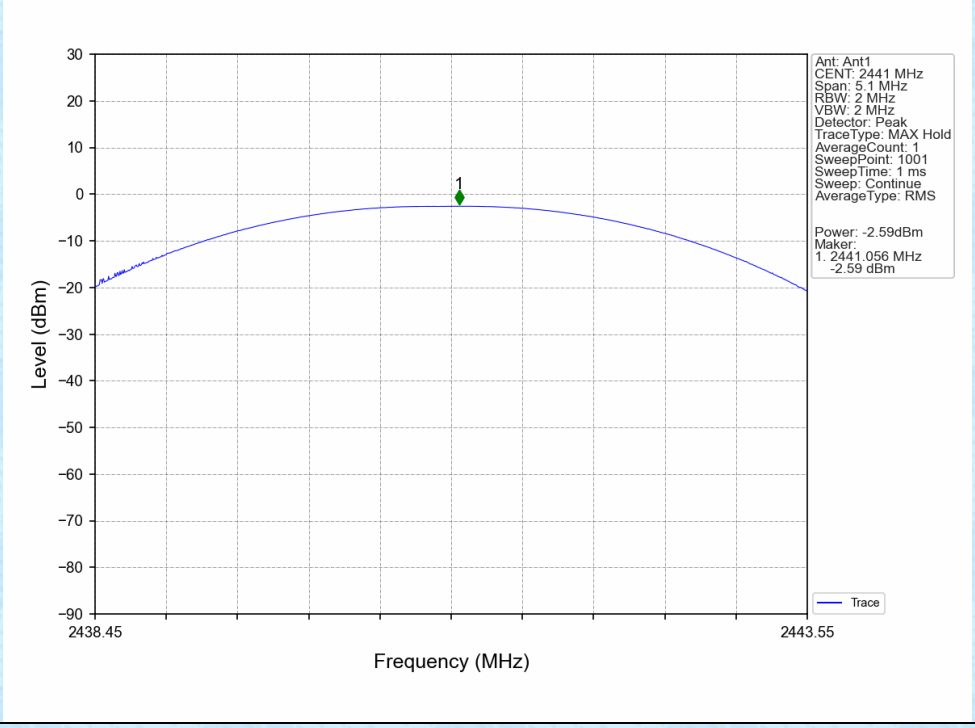
Mode	TX Type	Frequency (MHz)	Packet Type	Maximum Peak Conducted Output Power (dBm)		Verdict
				ANT1	Limit	
GFSK	SISO	2402	DH5	-2.89	<=20.97	Pass
		2441	DH5	-2.59	<=20.97	Pass
		2480	DH5	-3.03	<=20.97	Pass
π/4-DQPSK	SISO	2402	2DH5	-3.57	<=20.97	Pass
		2441	2DH5	-2.84	<=20.97	Pass
		2480	2DH5	-3.19	<=20.97	Pass
8-DPSK	SISO	2402	3DH5	-3.50	<=20.97	Pass
		2441	3DH5	-2.83	<=20.97	Pass
		2480	3DH5	-3.20	<=20.97	Pass

2.2 Test Graph

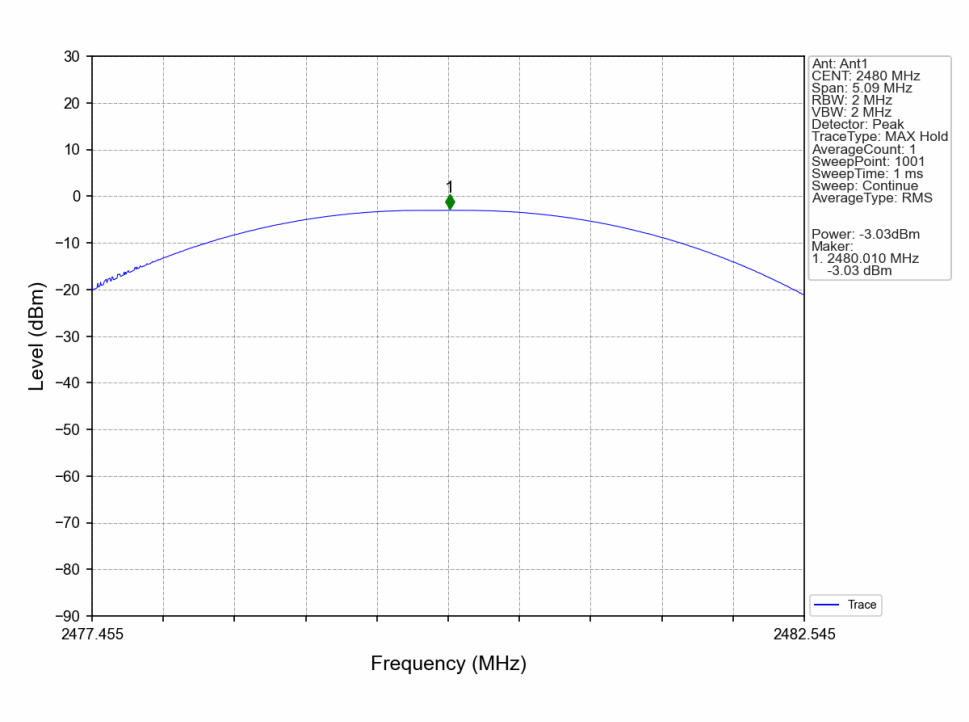
GFSK_DH5_LCH_2402MHz_Ant1_NTNV



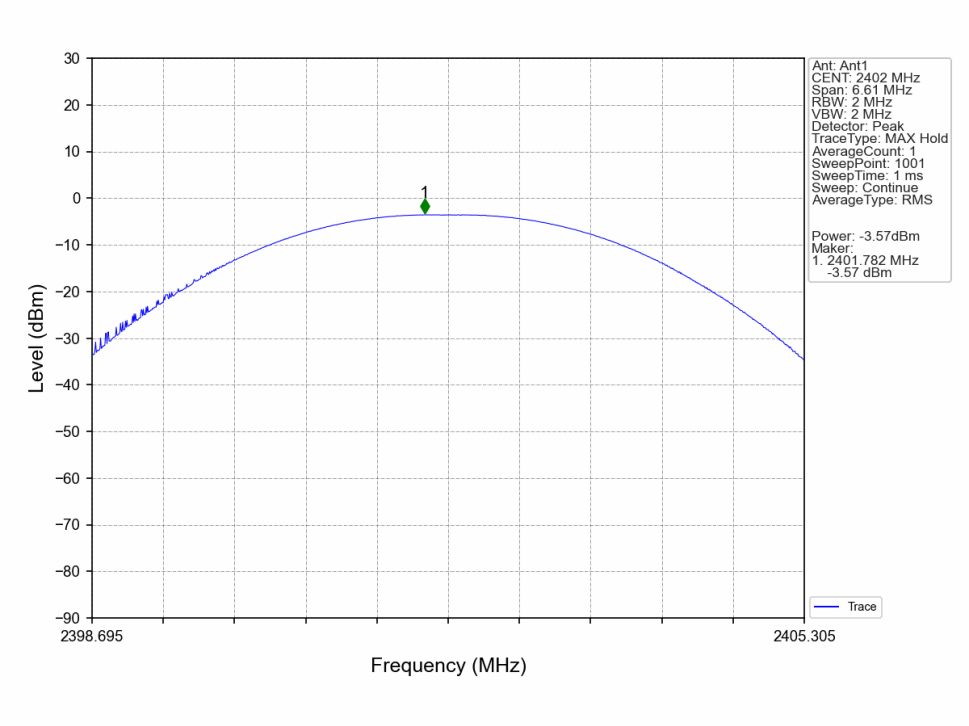
GFSK_DH5_MCH_2441MHz_Ant1_NTNV



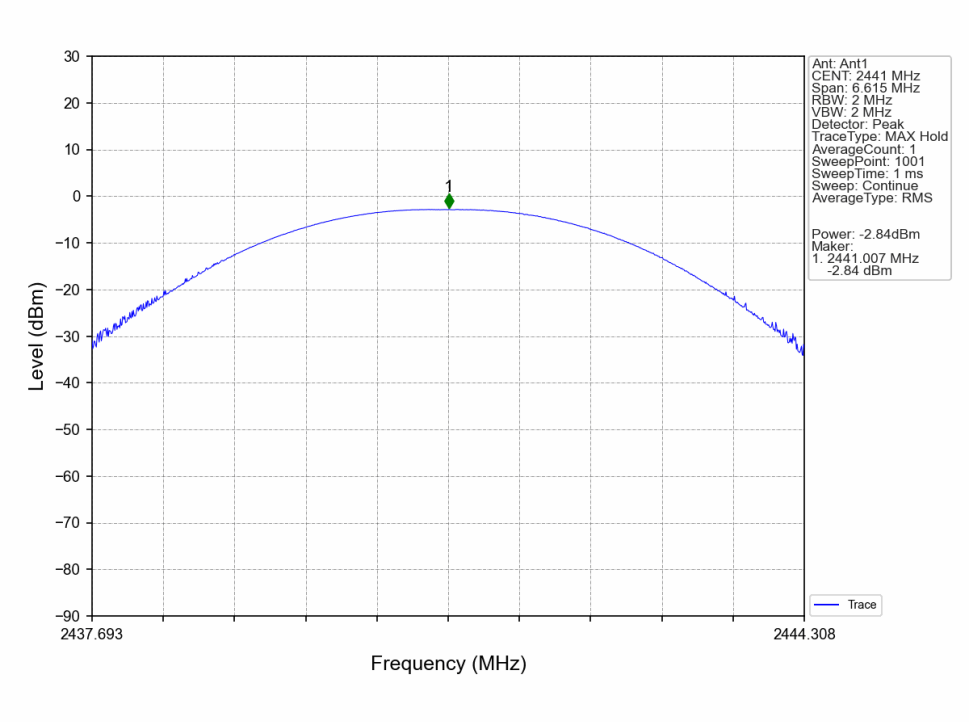
GFSK_DH5_HCH_2480MHz_Ant1_NTNV



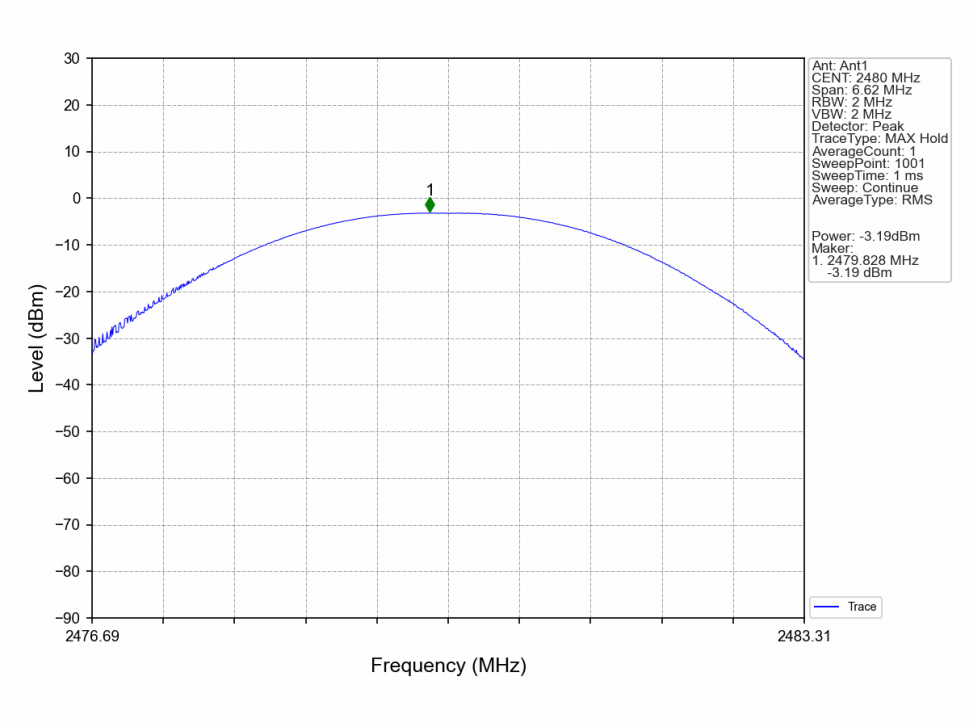
π/4-DQPSK_2DH5_LCH_2402MHz_Ant1_NTNV



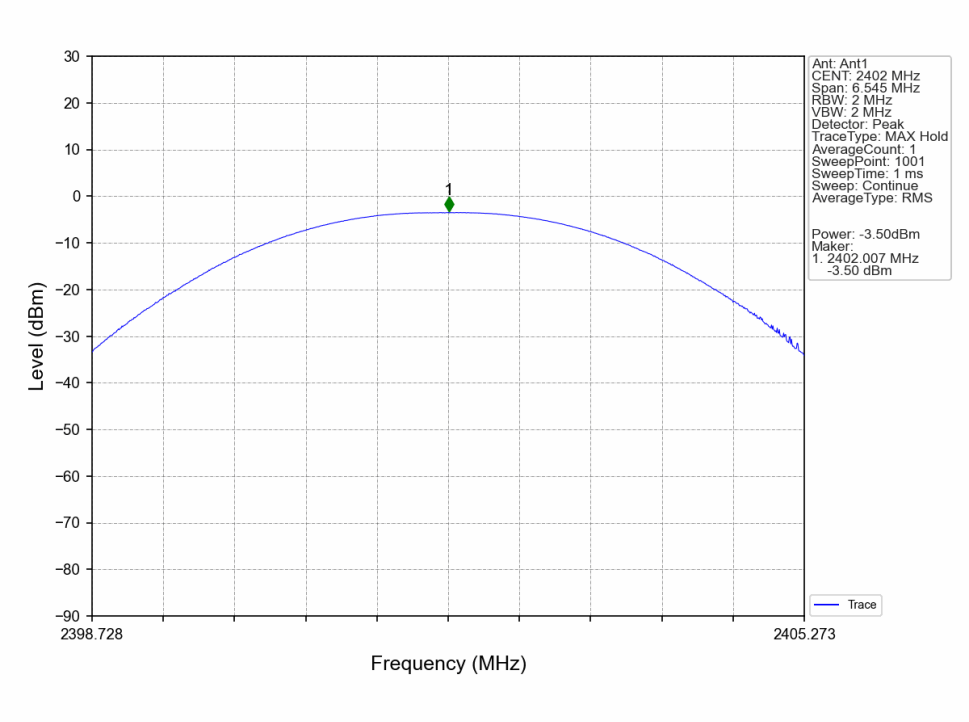
π/4-DQPSK_2DH5_MCH_2441MHz_Ant1_NTNV



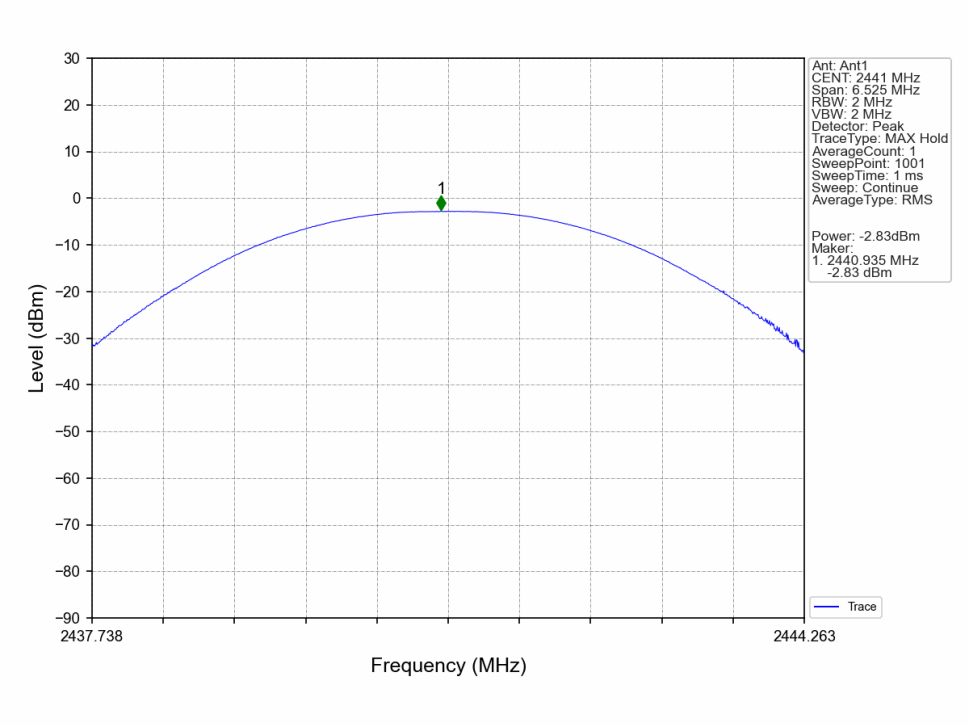
π/4-DQPSK_2DH5_HCH_2480MHz_Ant1_NTNV



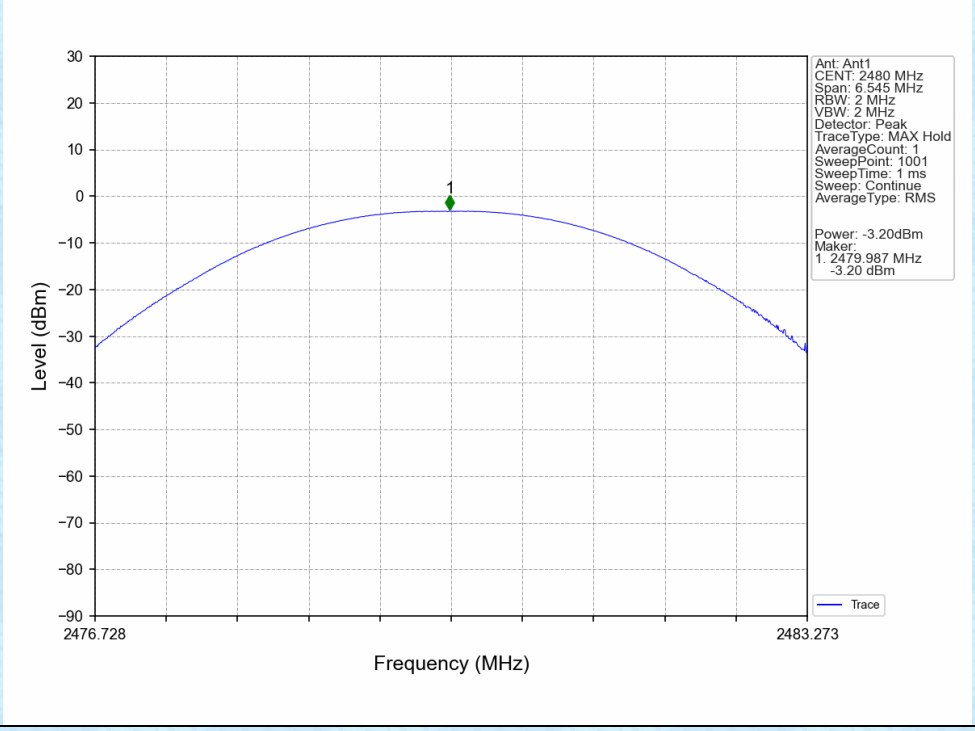
8-DPSK_3DH5_LCH_2402MHz_Ant1_NTNV



8-DPSK_3DH5_MCH_2441MHz_Ant1_NTNV



8-DPSK_3DH5_HCH_2480MHz_Ant1_NTNV



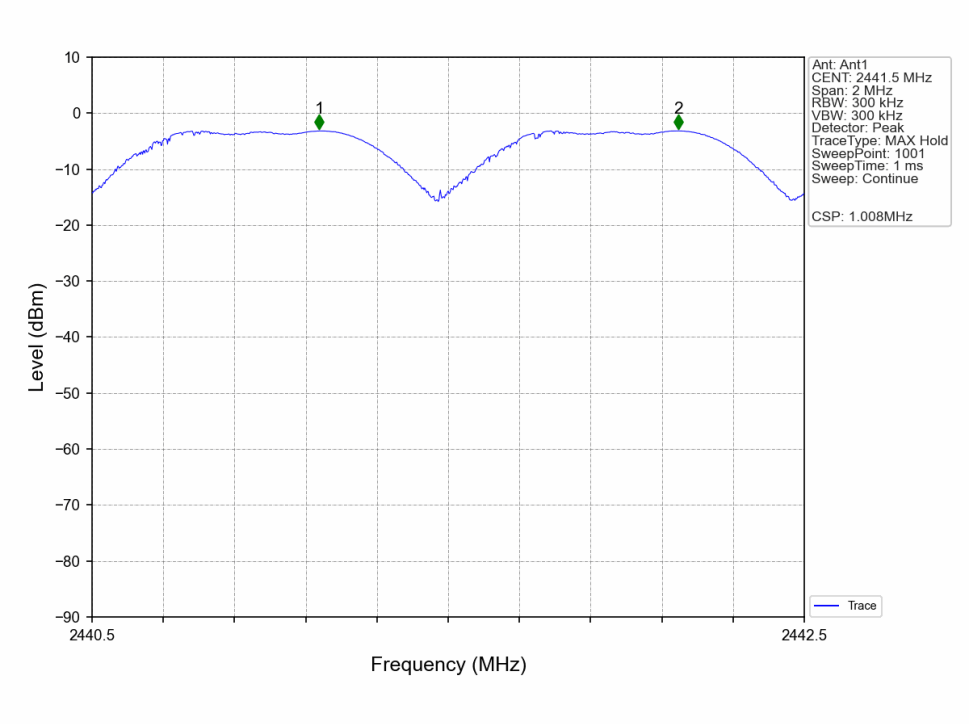
3. Carrier Frequency Separation

3.1 Test Result

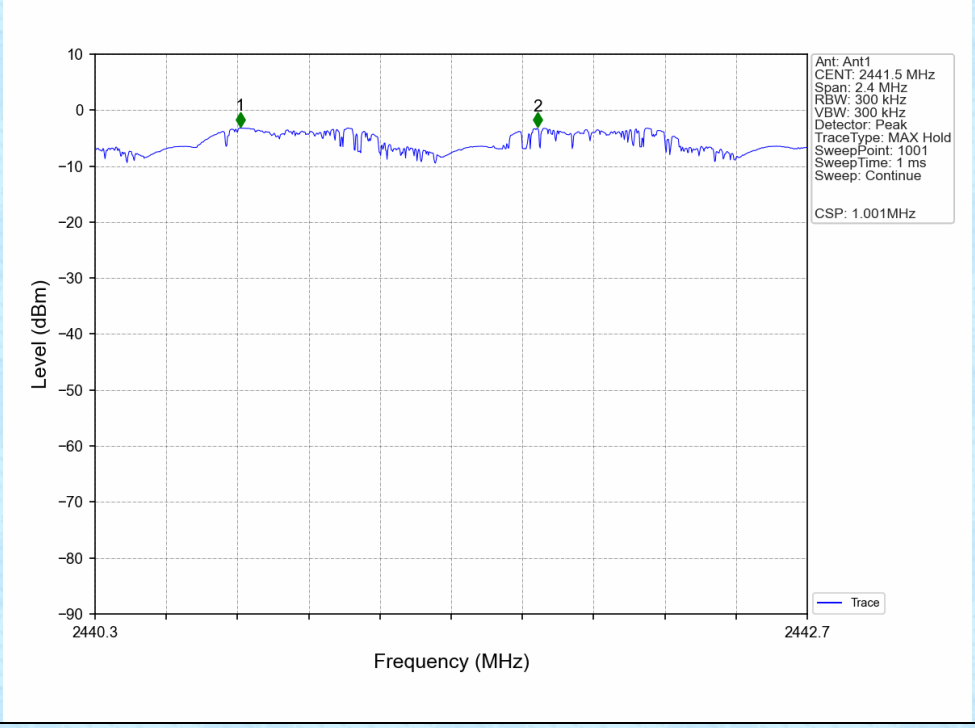
Ant1							
Mode	TX Type	Frequency (MHz)	Packet Type	Channel Separation (MHz)	20dB Bandwidth (MHz)	Limit (MHz)	Verdict
GFSK	SISO	HOPP	DH5	1.008	1.021	>=0.681	Pass
π/4-DQPSK	SISO	HOPP	2DH5	1.001	1.324	>=0.883	Pass
8-DPSK	SISO	HOPP	3DH5	0.998	1.309	>=0.873	Pass

3.2 Test Graph

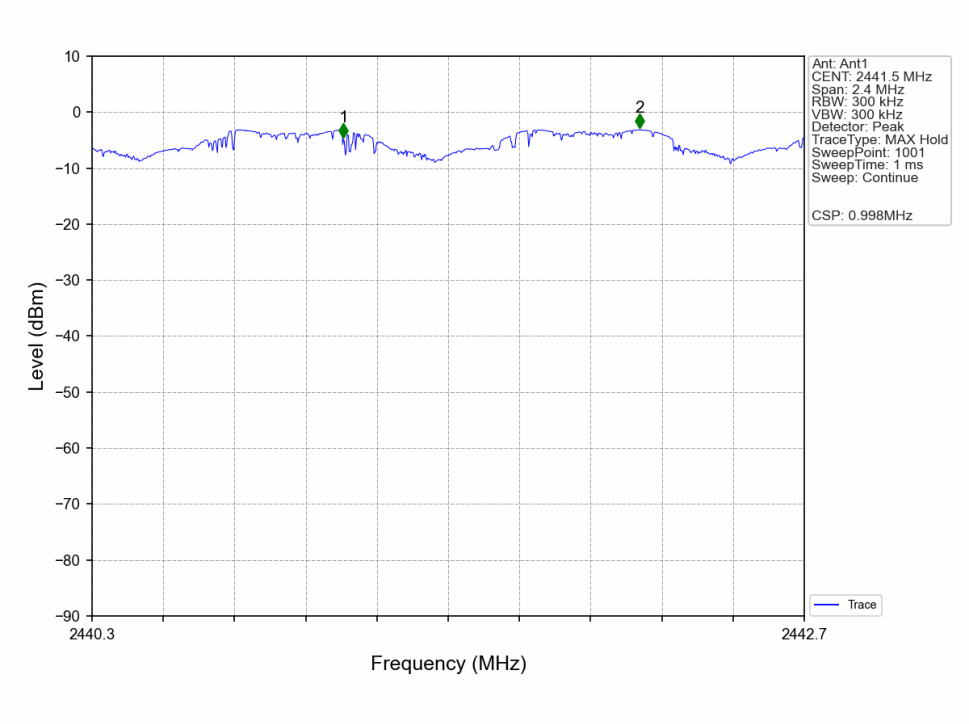
GFSK_DH5_HOPP_Ant1_NTNV



π/4-DQPSK_2DH5_HOPP_Ant1_NTNV



8-DPSK_3DH5_HOPP_Ant1_NTNV



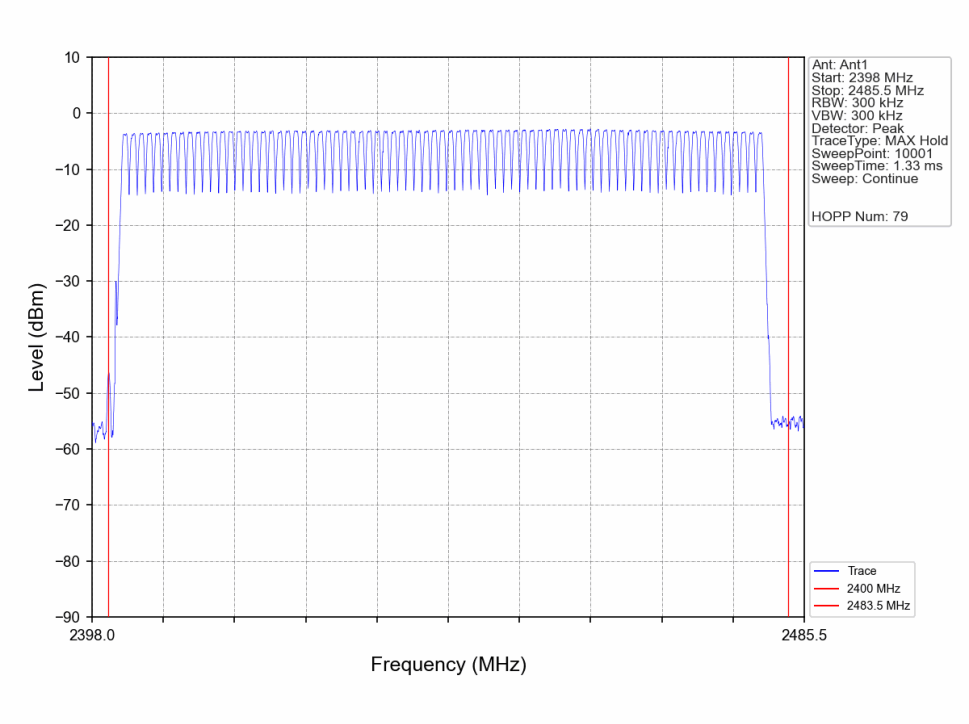
4. Number of Hopping Frequencies

4.1 Test Result

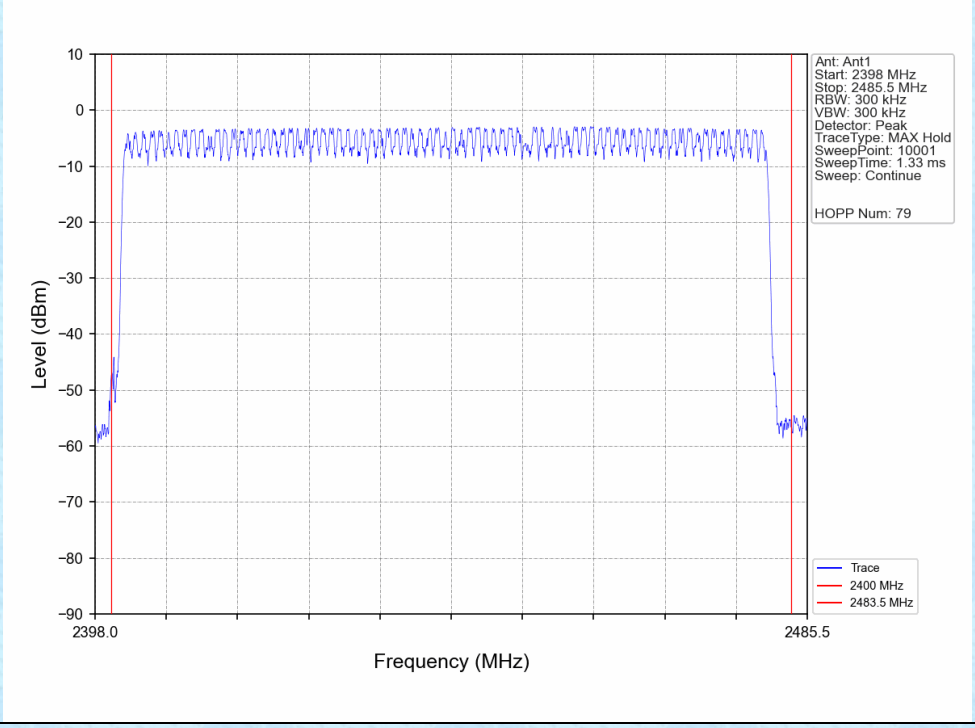
Mode	TX Type	Frequency (MHz)	Packet Type	Num of Hopping Frequencies		Verdict
				ANT1	Limit	
GFSK	SISO	HOPP	DH5	79	>=15	Pass
π/4-DQPSK	SISO	HOPP	2DH5	79	>=15	Pass
8-DPSK	SISO	HOPP	3DH5	79	>=15	Pass

4.2 Test Graph

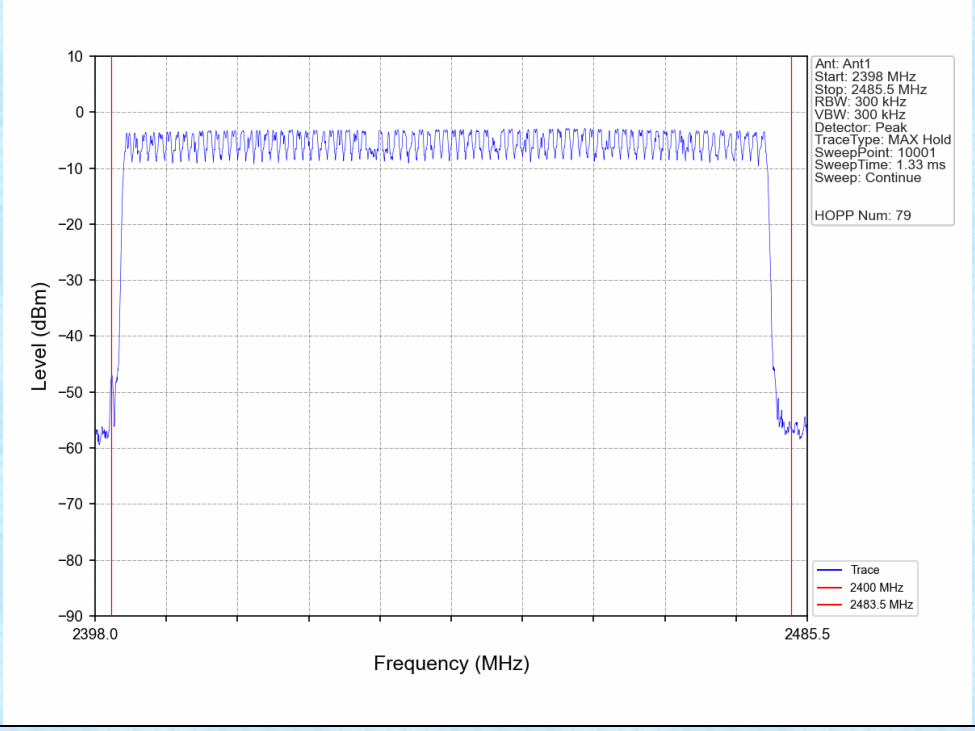
GFSK_DH5_HOPP_Ant1_NTNV



π/4-DQPSK_2DH5_HOPP_Ant1_NTNV



8-DPSK_3DH5_HOPP_Ant1_NTNV



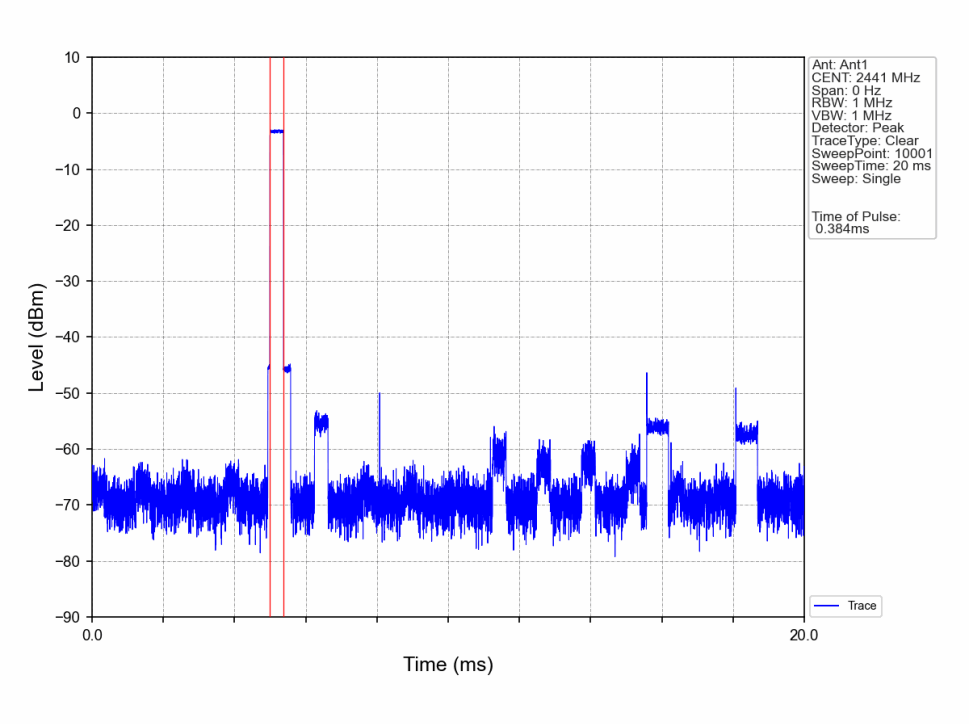
5. Time of Occupancy (Dwell Time)

5.1 Test Result

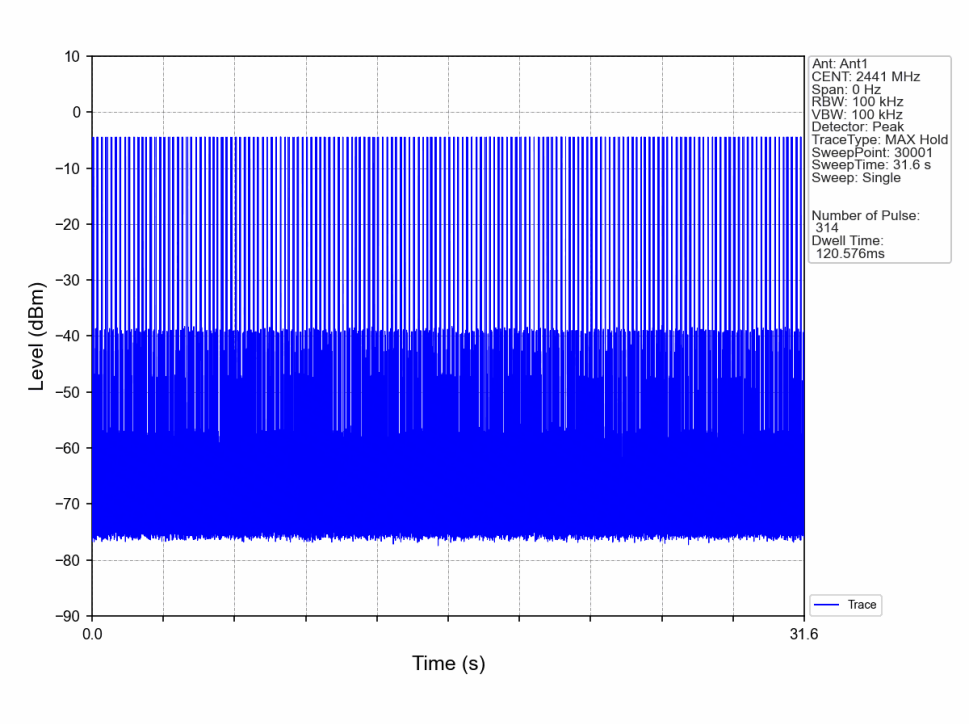
Ant1									
Mode	TX Type	Frequency (MHz)	Packet Type	Duration of Single Pulse (ms)	Observation Period (s)	Num of Pulse in Observation Period	Dwell Time (ms)	Limit (ms)	Verdict
GFSK	SISO	HOPP	DH1	0.384	31.600	314	120.576	<=400	Pass
			DH3	1.890	31.600	174	328.860	<=400	Pass
			DH5	3.138	31.600	107	335.766	<=400	Pass
π/4-DQPSK	SISO	HOPP	2DH1	0.390	31.600	314	122.460	<=400	Pass
			2DH3	1.890	31.600	174	328.860	<=400	Pass
			2DH5	3.140	31.600	124	389.360	<=400	Pass
8-DPSK	SISO	HOPP	3DH1	0.392	31.600	314	123.088	<=400	Pass
			3DH3	1.640	31.600	172	282.080	<=400	Pass
			3DH5	3.140	31.600	106	332.840	<=400	Pass

5.2 Test Graph

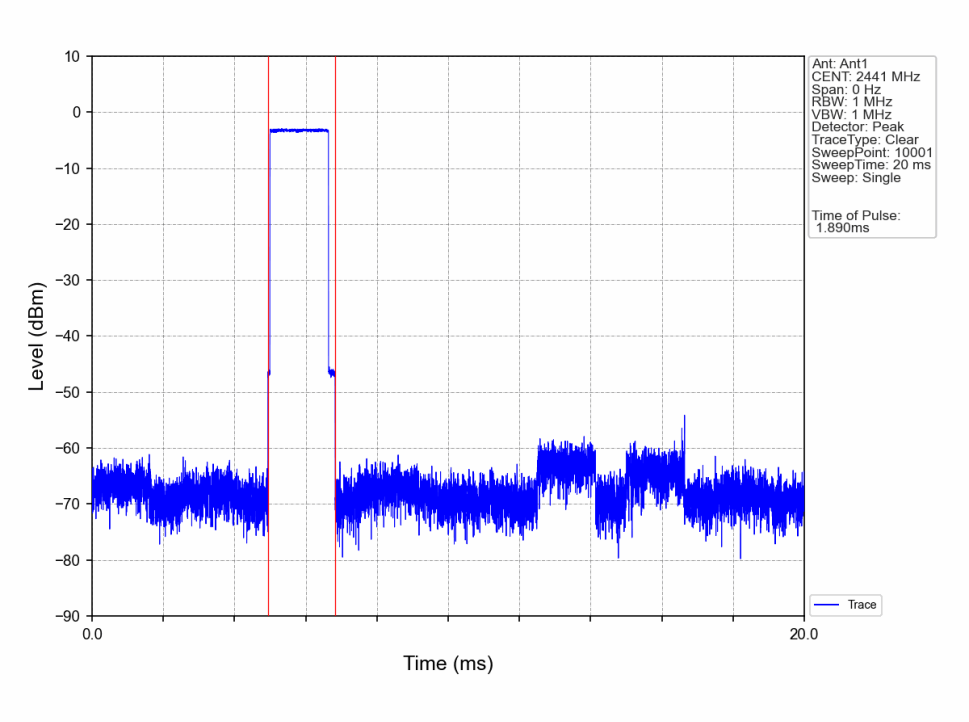
GFSK_DH1_HOPP_Ant1_NTNV



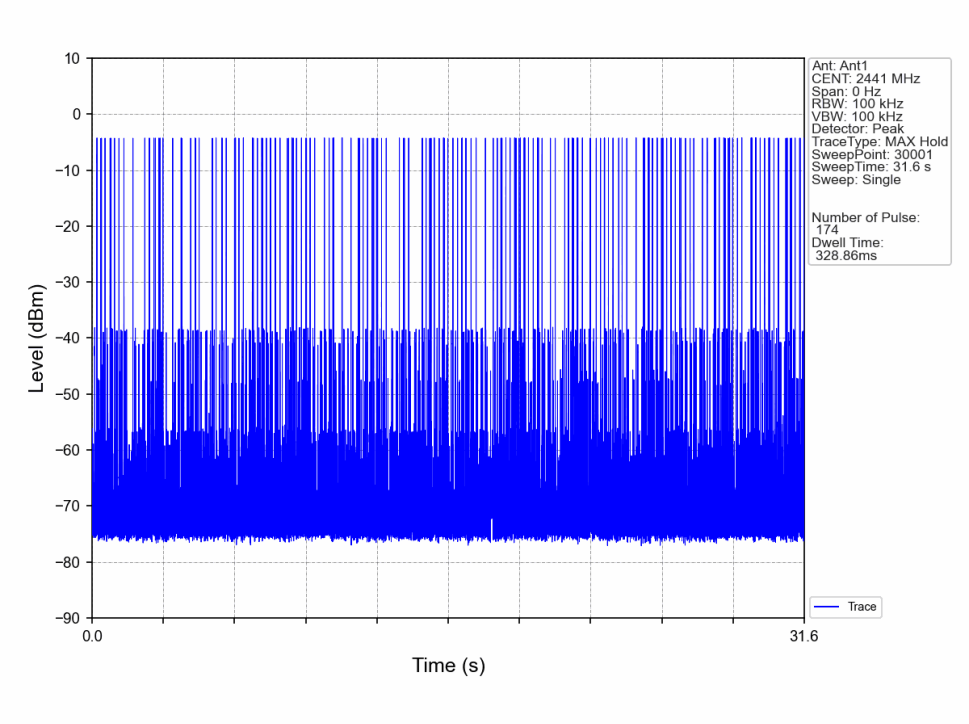
GFSK_DH1_HOPP_Ant1_NTNV



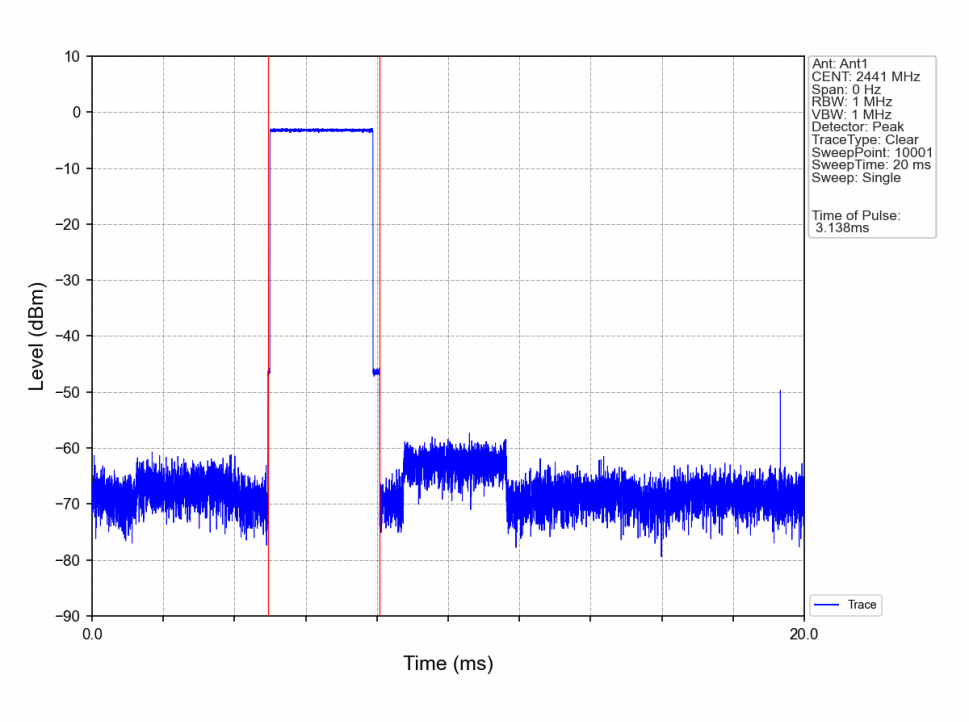
GFSK_DH3_HOPP_Ant1_NTNV



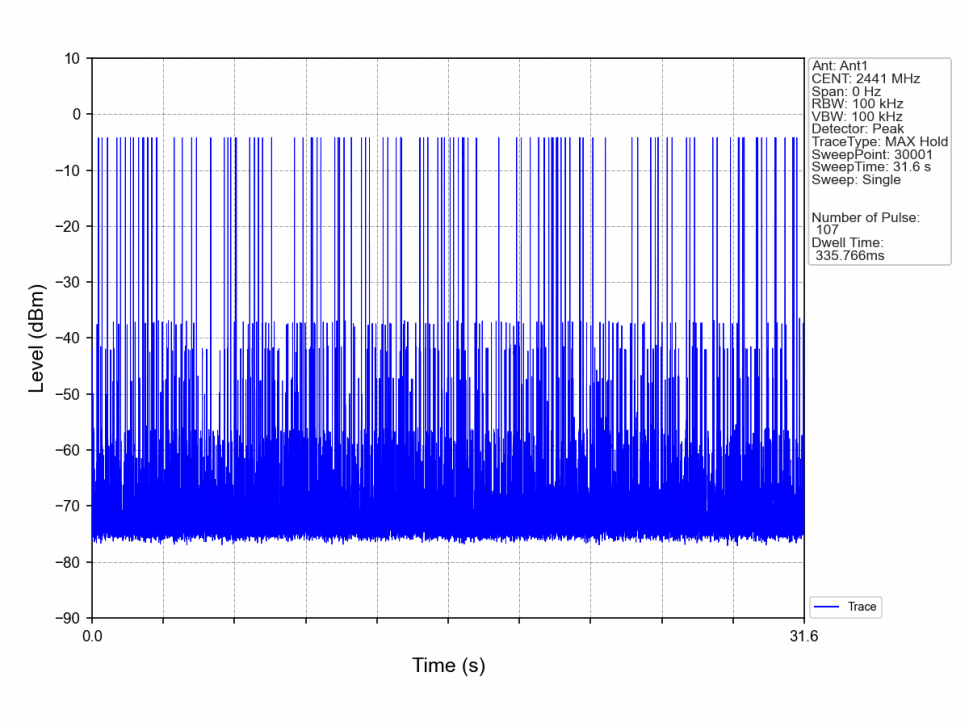
GFSK_DH3_HOPP_Ant1_NTNV



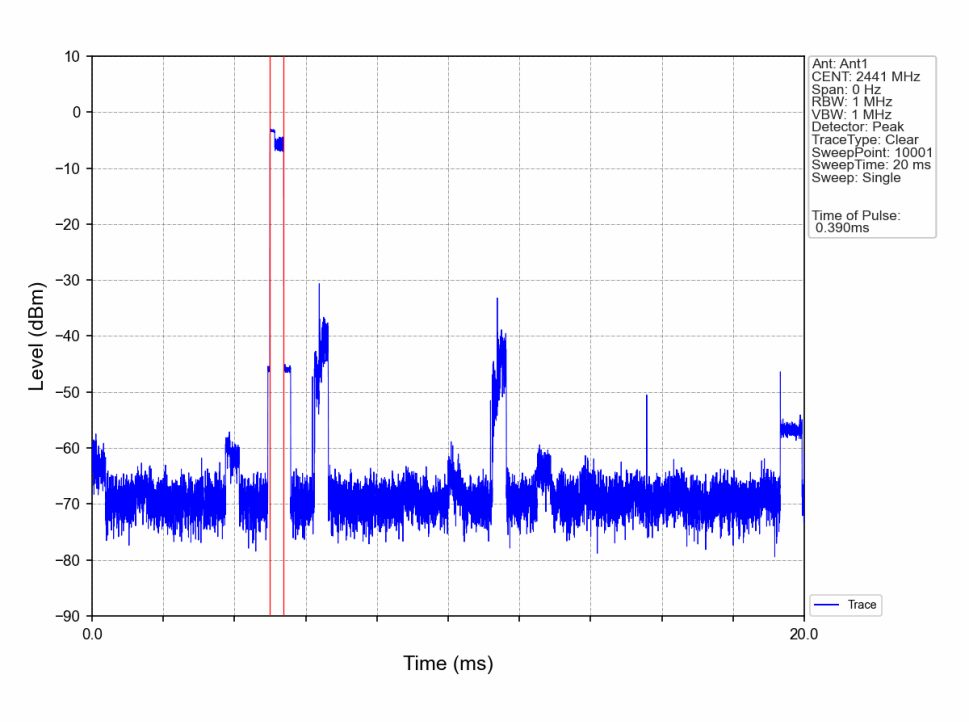
GFSK_DH5_HOPP_Ant1_NTNV



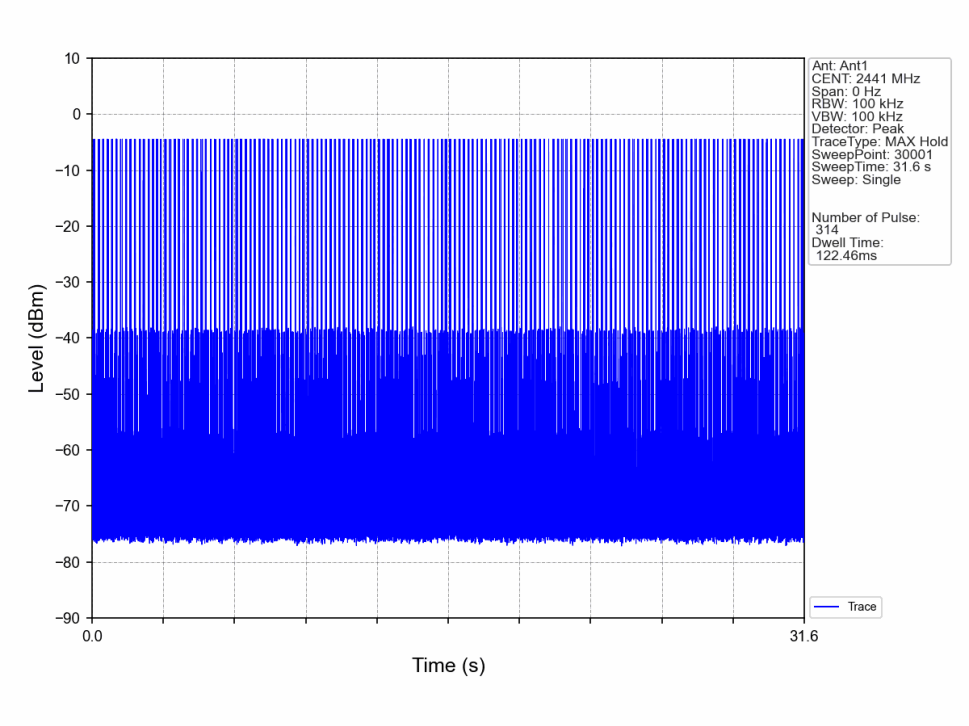
GFSK_DH5_HOPP_Ant1_NTNV



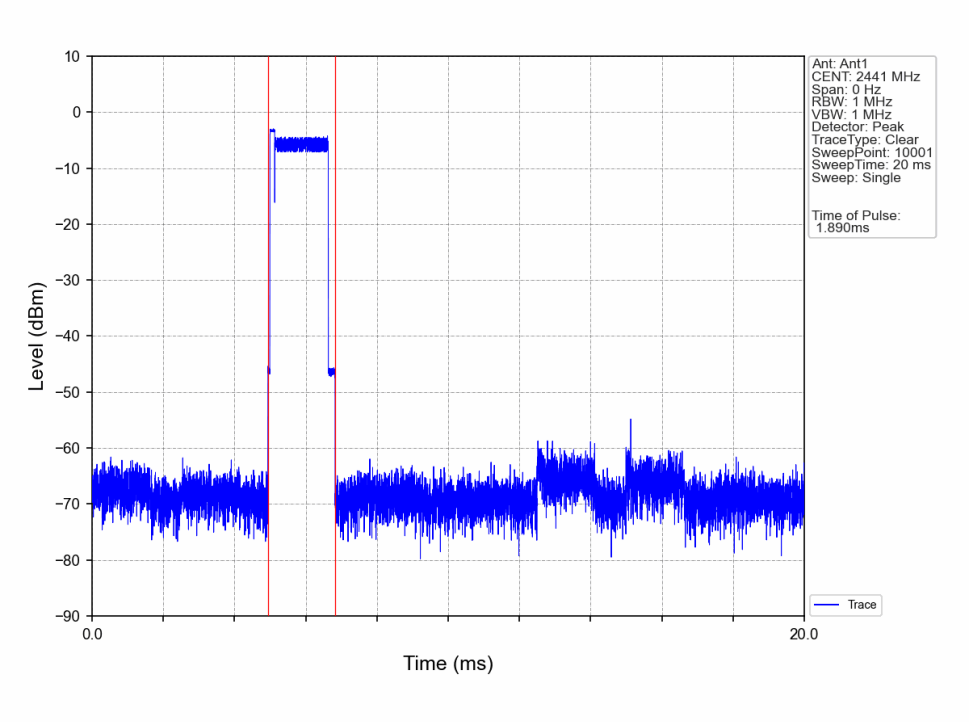
π/4-DQPSK_2DH1_HOPP_Ant1_NTNV



π/4-DQPSK_2DH1_HOPP_Ant1_NTNV



π/4-DQPSK_2DH3_HOPP_Ant1_NTNV



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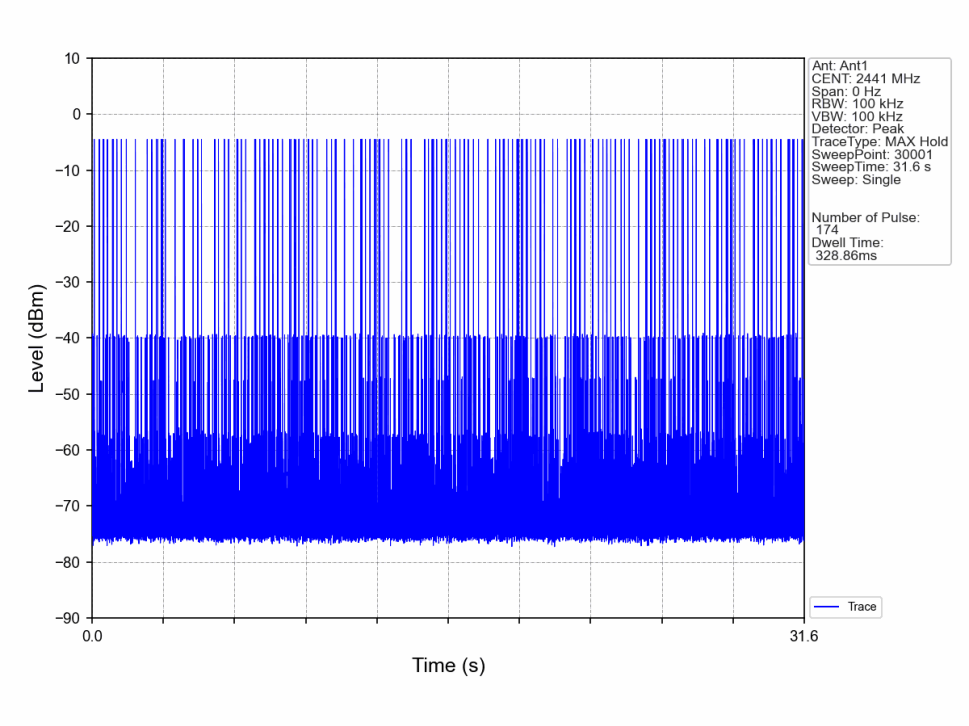

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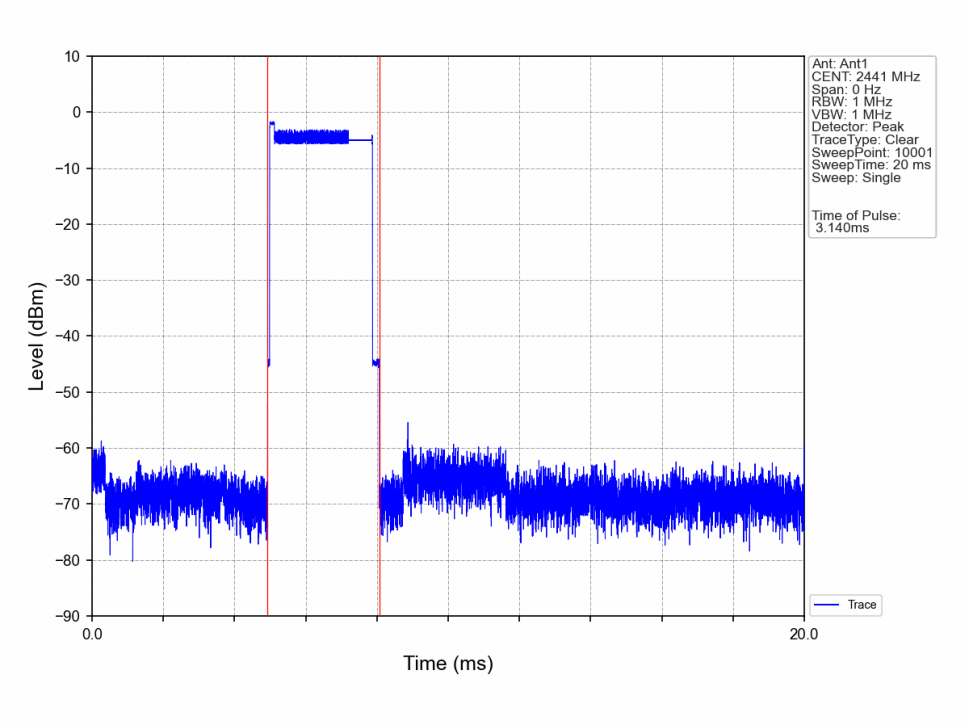

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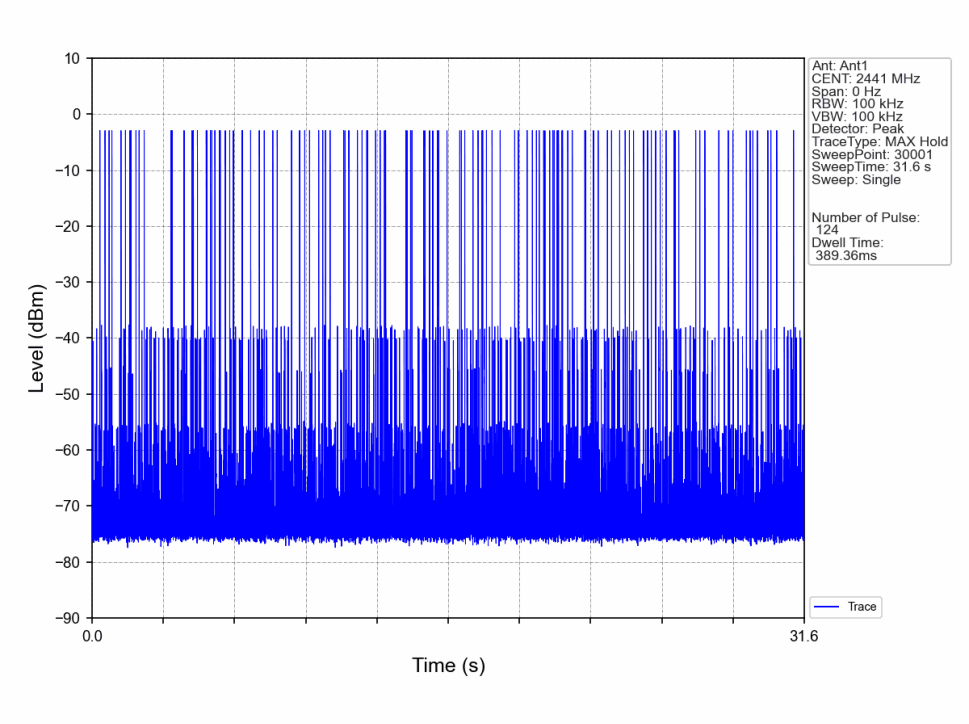

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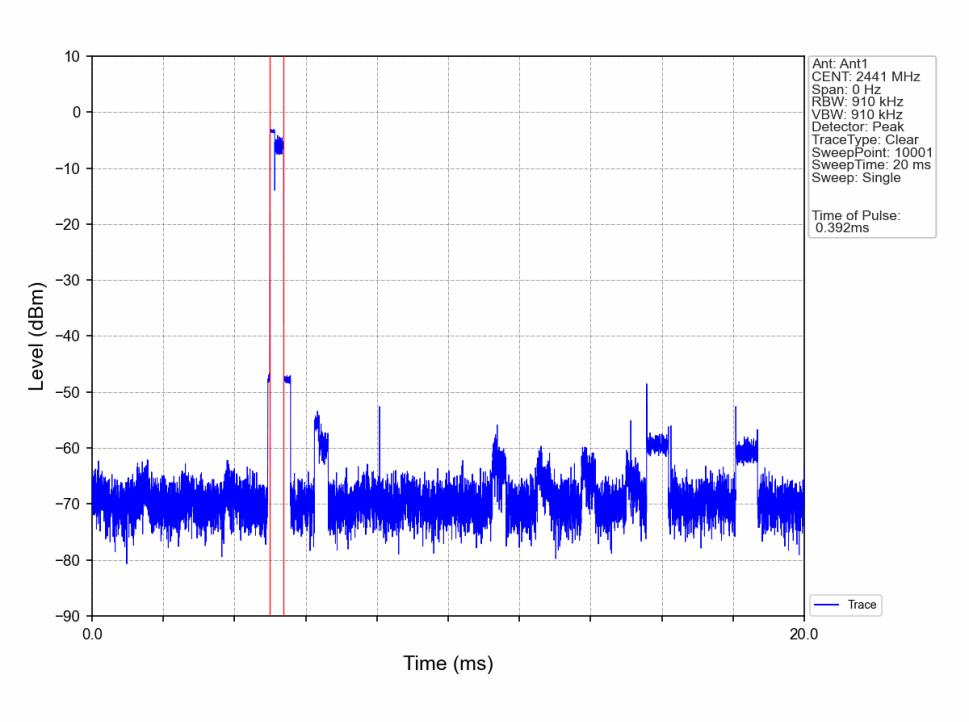

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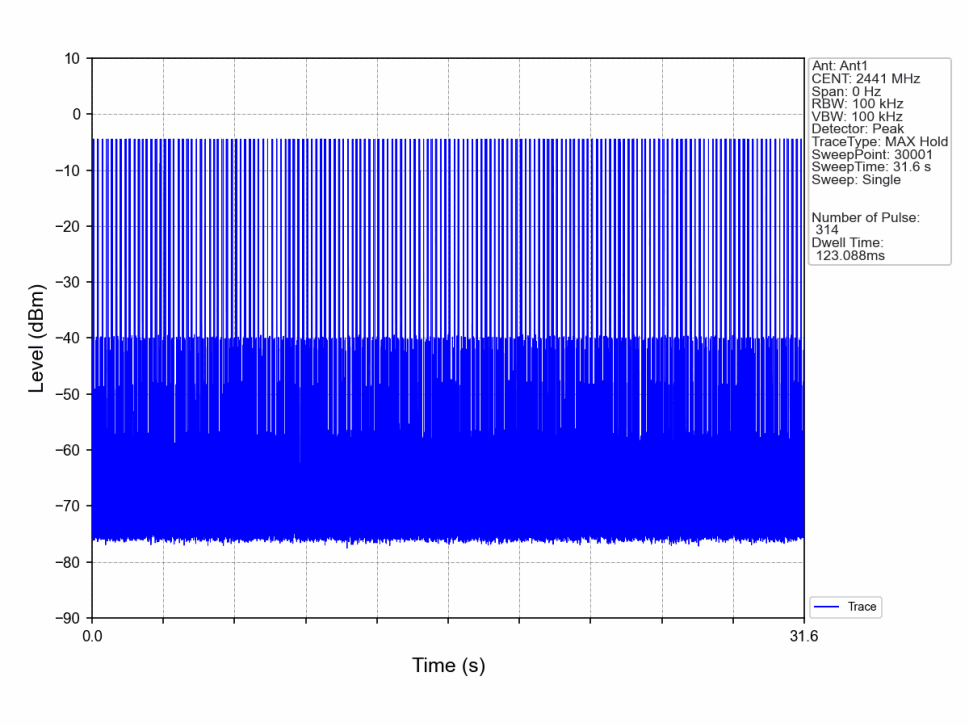

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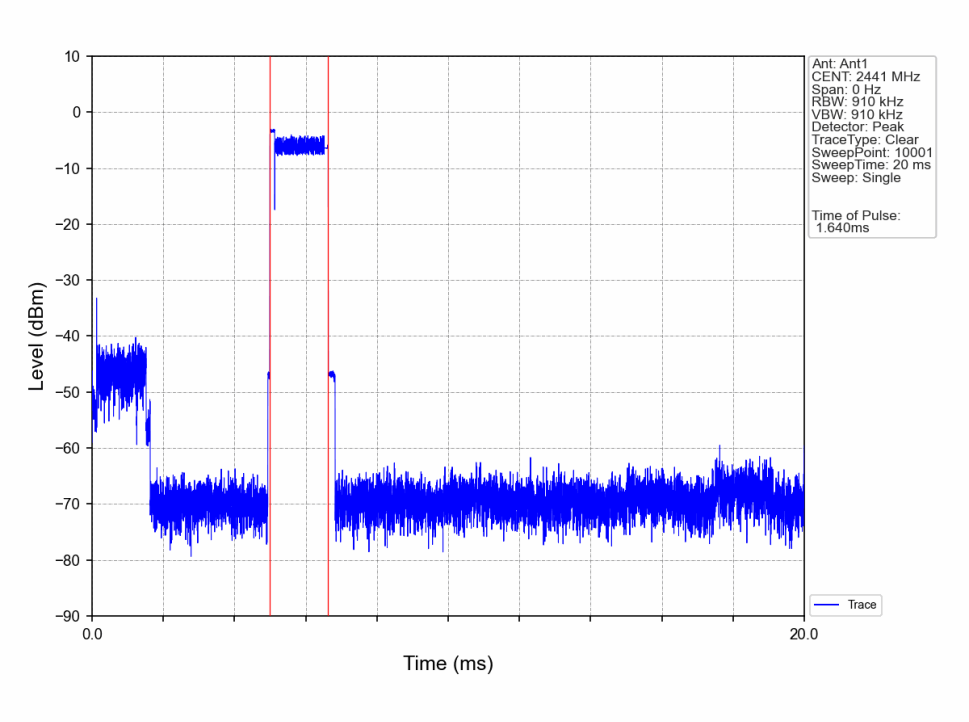

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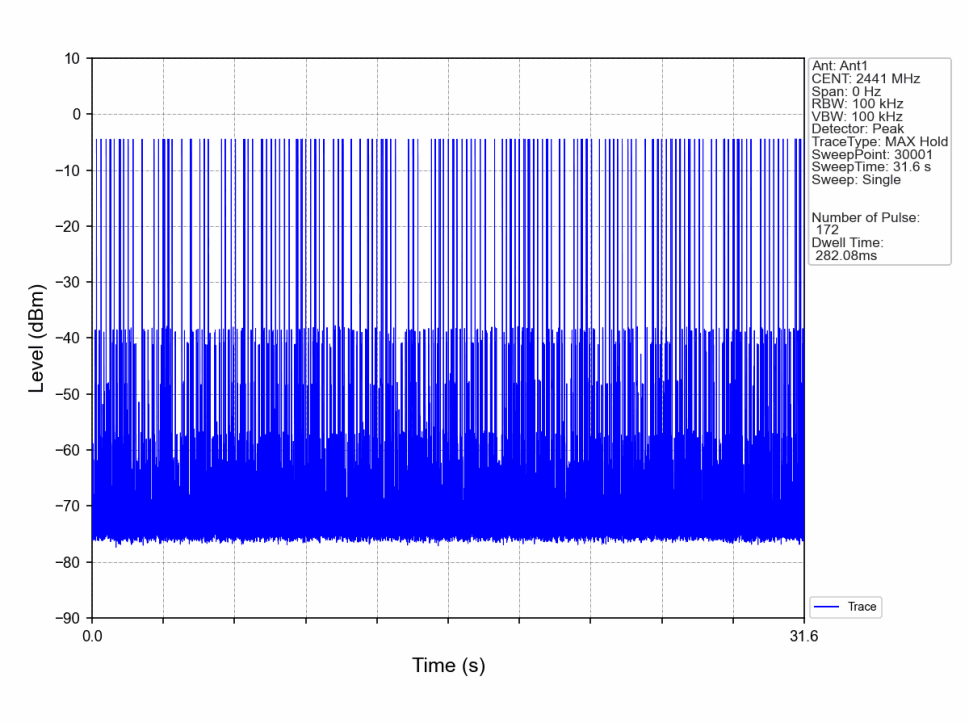

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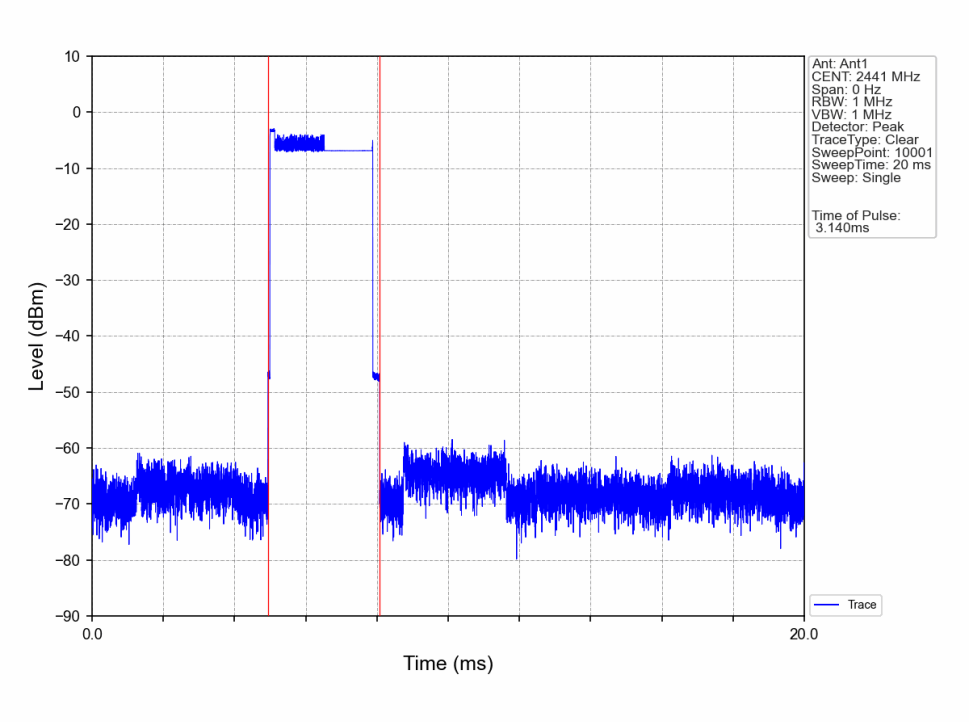

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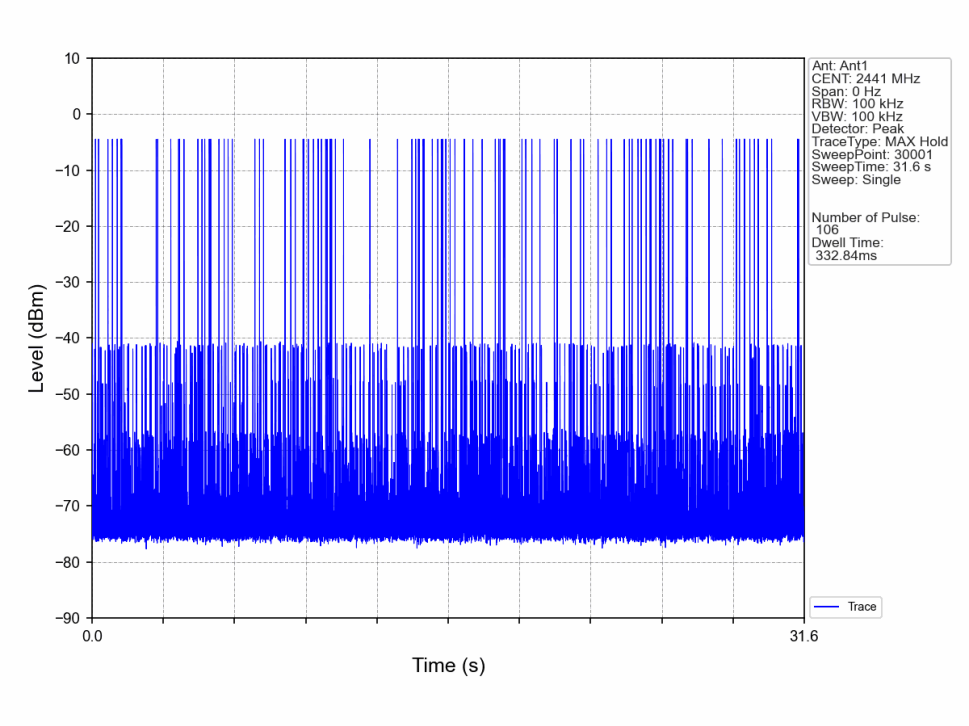


6. Unwanted Emissions In Non-restricted Frequency Bands

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	-3.43
		2441	DH5	1	-3.08
		2480	DH5	1	-3.53
π/4-DQPSK	SISO	2402	2DH5	1	-4.03
		2441	2DH5	1	-3.32
		2480	2DH5	1	-3.65
8-DPSK	SISO	2402	3DH5	1	-3.99
		2441	3DH5	1	-3.32
		2480	3DH5	1	-3.70

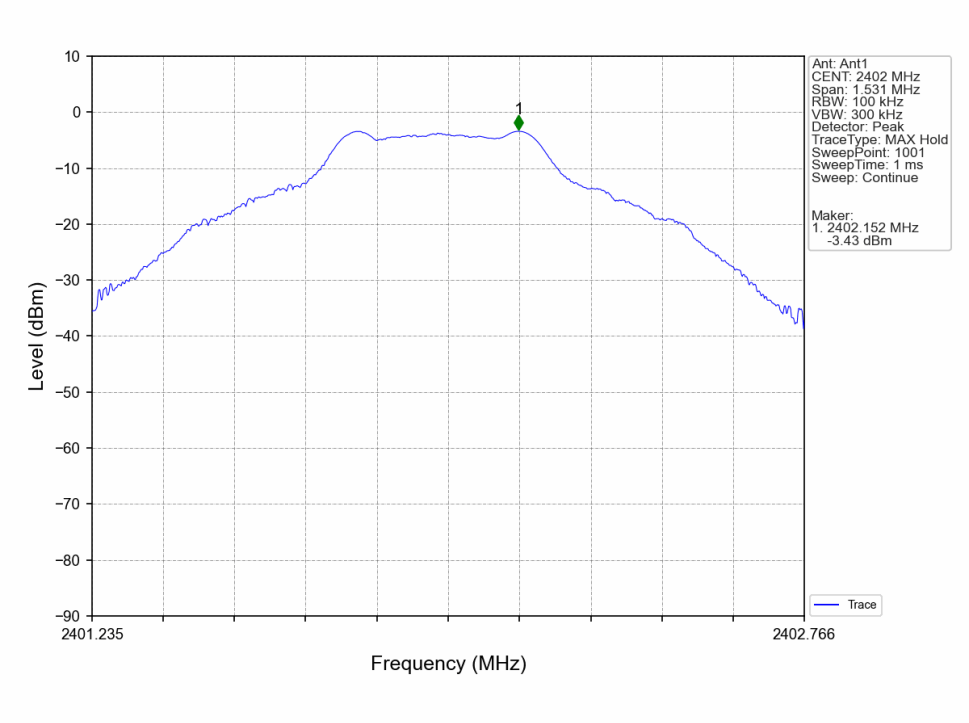
6.1.2 CSE

Mode	TX Type	Frequency (MHz)	Packet Type	ANT	Level of Reference (dBm)	Limit (dBm)	Verdict
GFSK	SISO	2402	DH5	1	-3.08	-23.08	Pass
		2441	DH5	1	-3.08	-23.08	Pass
		2480	DH5	1	-3.08	-23.08	Pass
		HOPP	DH5	1	-3.08	-23.08	Pass
					-3.08	-23.08	Pass
π/4-DQPSK	SISO	2402	2DH5	1	-3.32	-23.32	Pass
		2441	2DH5	1	-3.32	-23.32	Pass
		2480	2DH5	1	-3.32	-23.32	Pass
		HOPP	2DH5	1	-3.32	-23.32	Pass
					-3.32	-23.32	Pass
8-DPSK	SISO	2402	3DH5	1	-3.32	-23.32	Pass
		2441	3DH5	1	-3.32	-23.32	Pass
		2480	3DH5	1	-3.32	-23.32	Pass
		HOPP	3DH5	1	-3.32	-23.32	Pass
					-3.32	-23.32	Pass

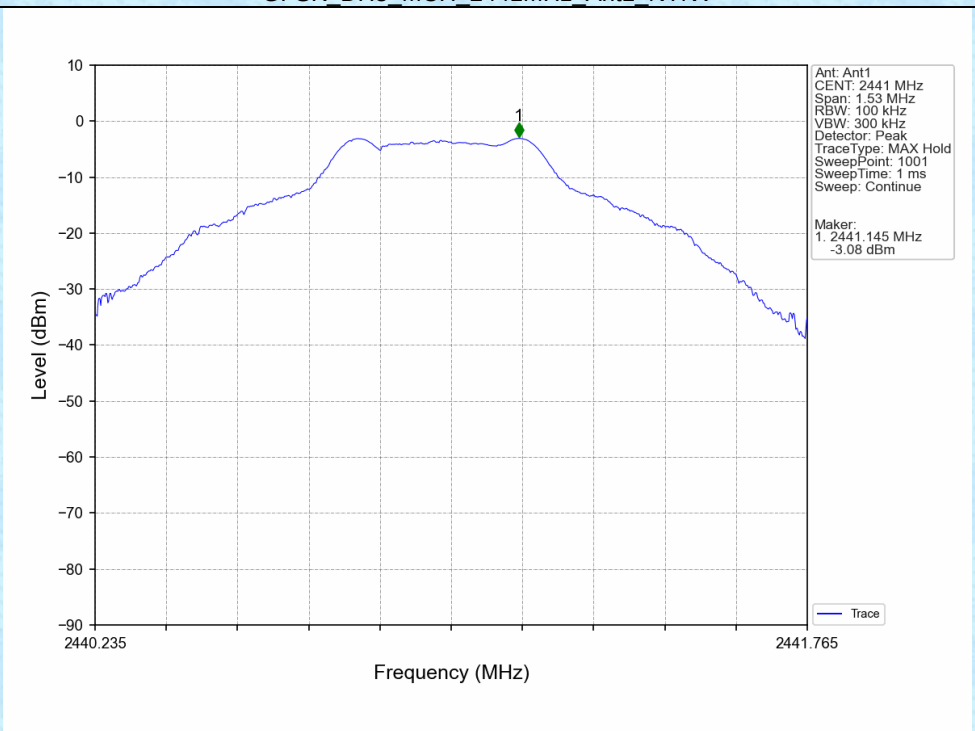
6.2 Test Graph

6.2.1 Ref

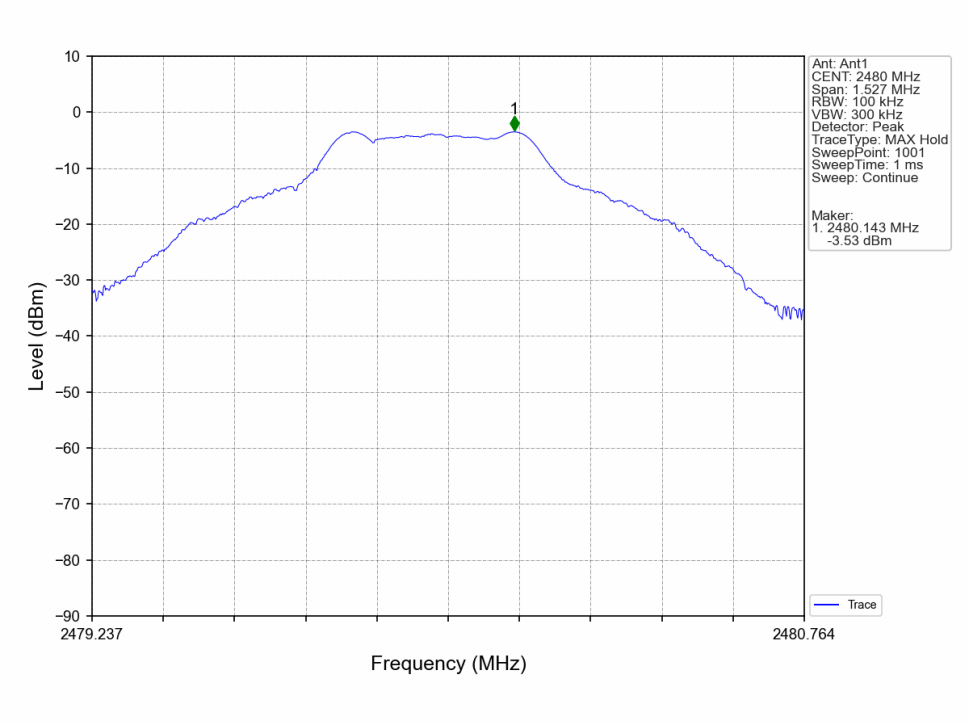
GFSK_DH5_LCH_2402MHz_Ant1_NTNV



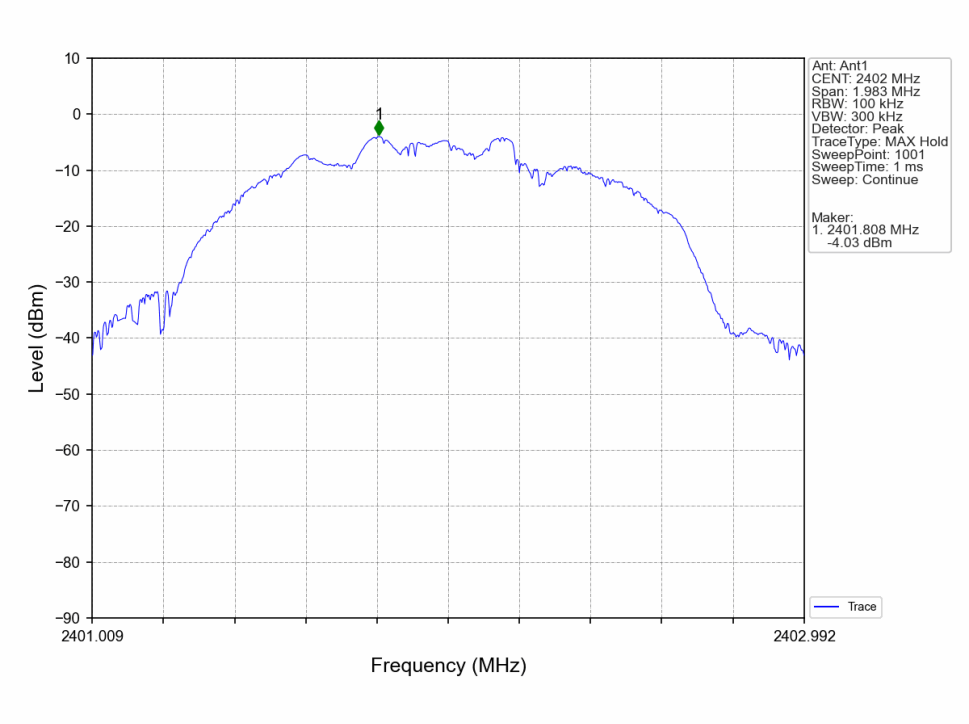
GFSK_DH5_MCH_2441MHz_Ant1_NTNV



GFSK_DH5_HCH_2480MHz_Ant1_NTNV



π/4-DQPSK_2DH5_LCH_2402MHz_Ant1_NTNV



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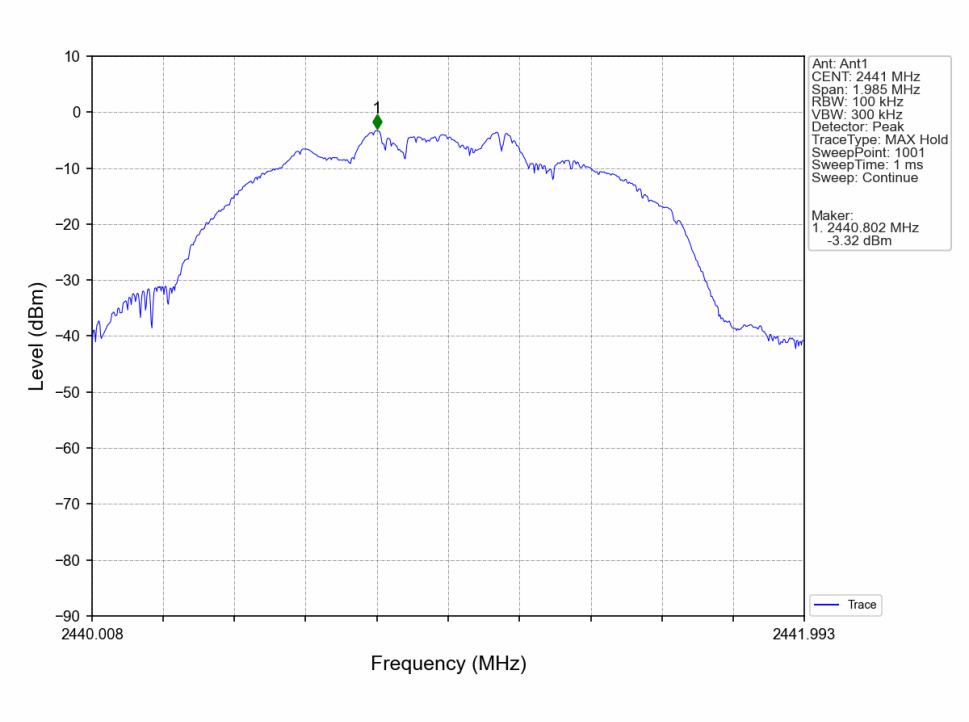

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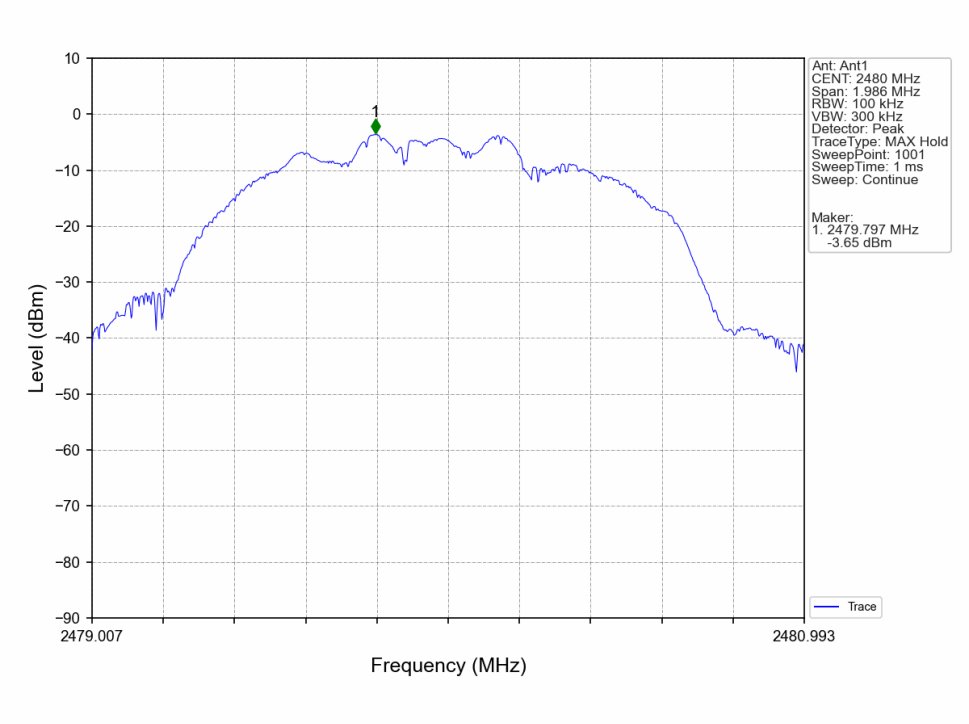
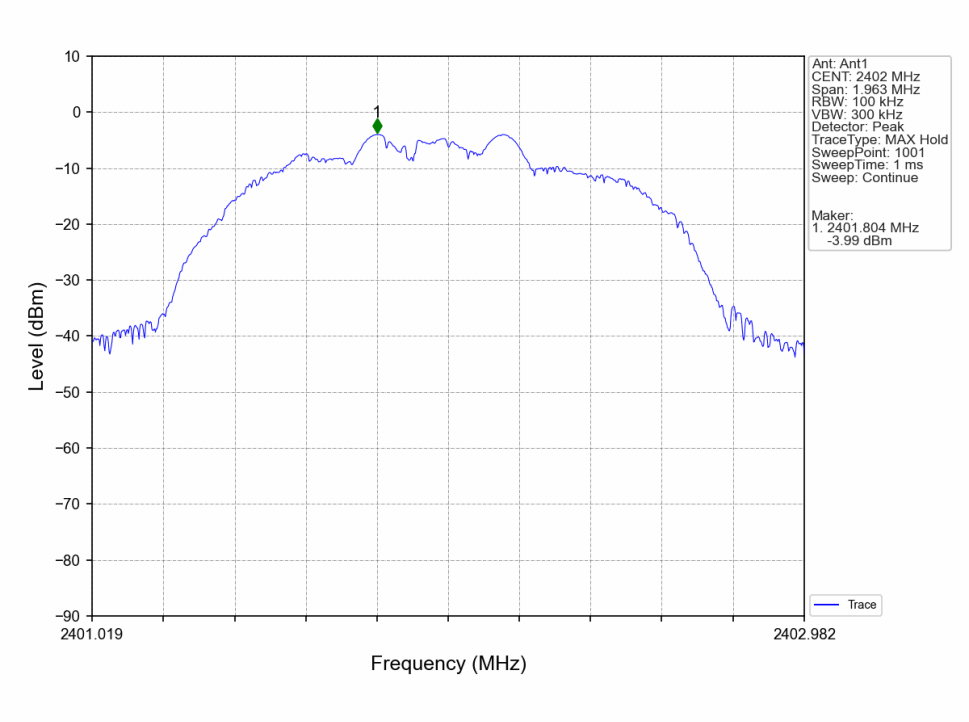
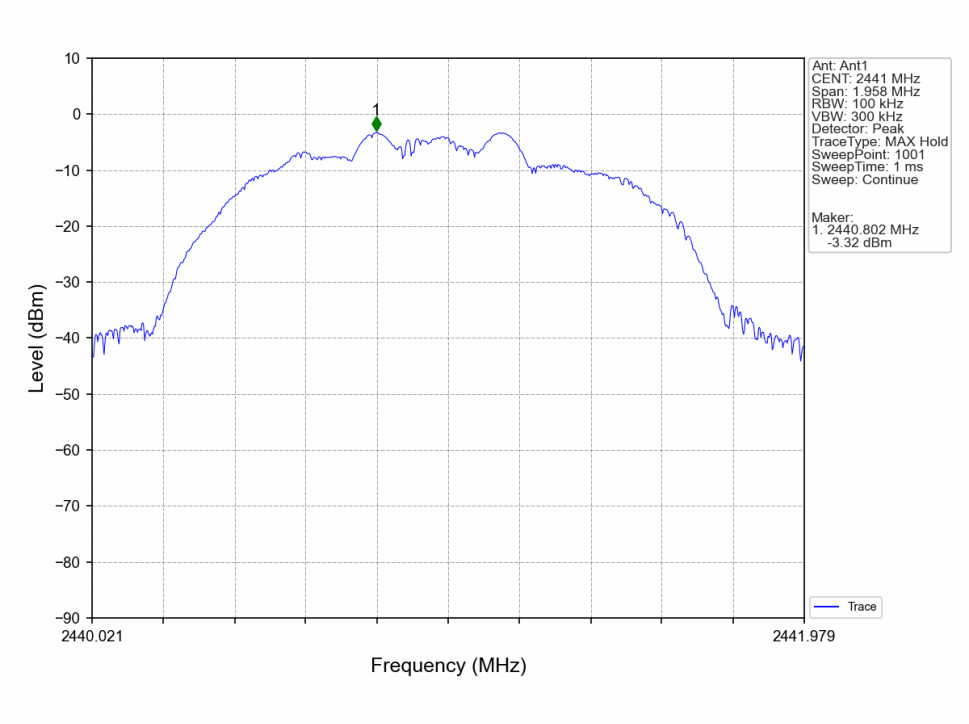


8-DPSK_3DH5_LCH_2402MHz_Ant1_NTNV



8-DPSK_3DH5_MCH_2441MHz_Ant1_NTNV



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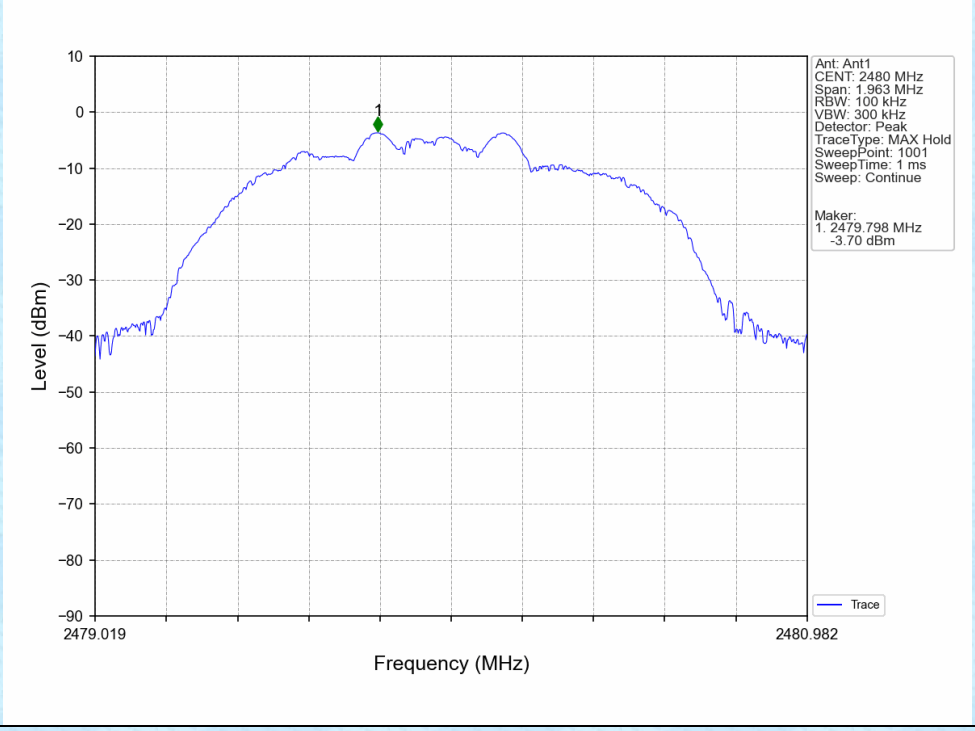
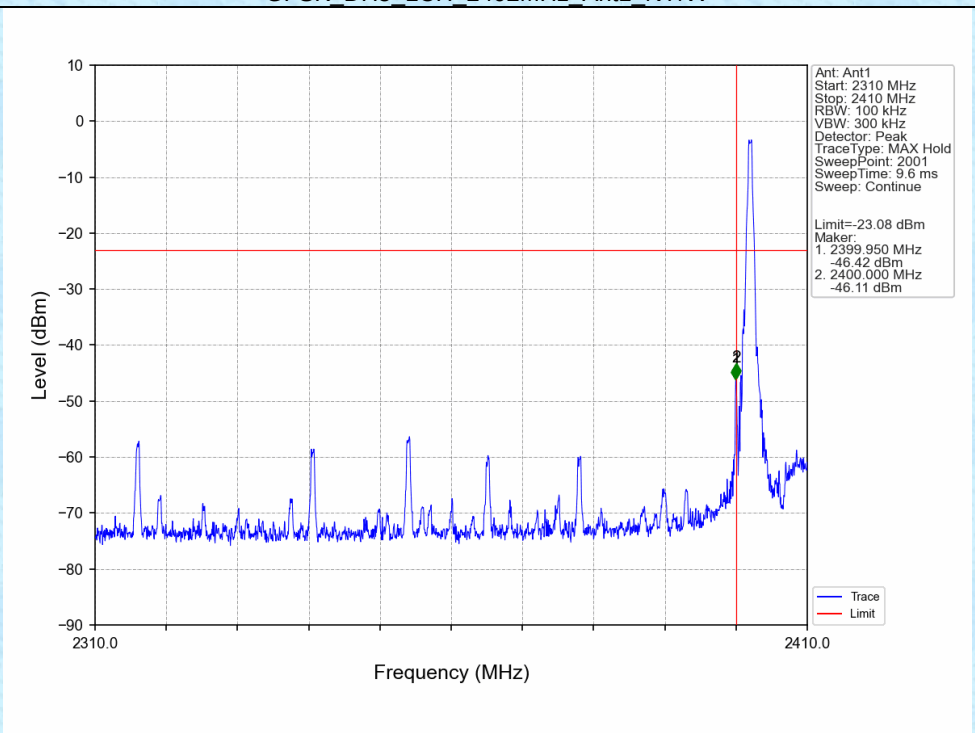
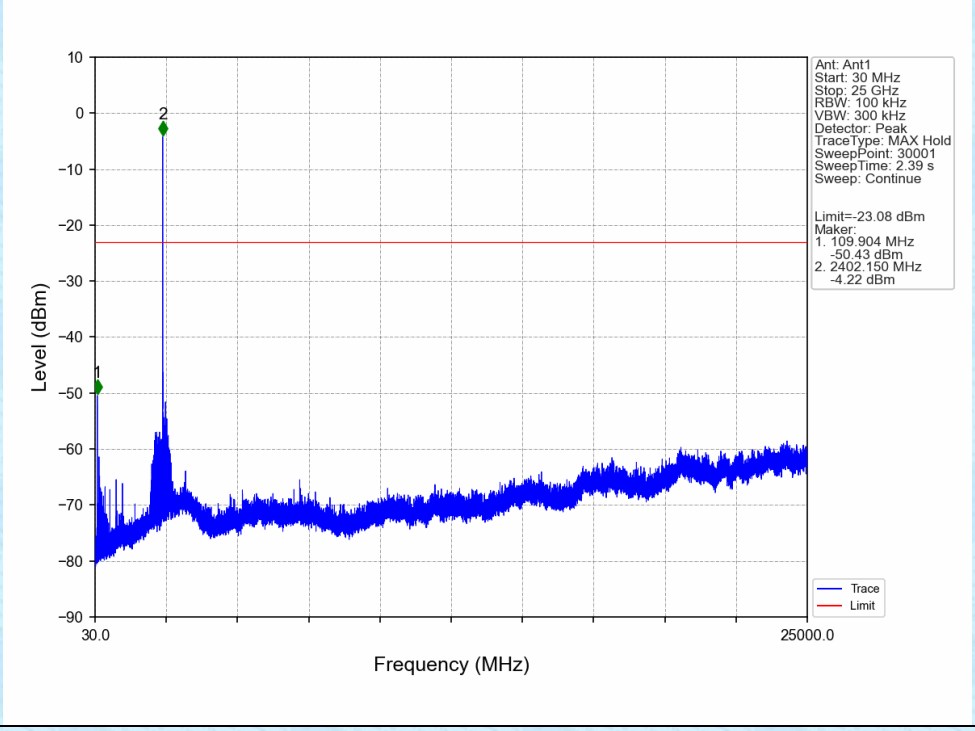


6.2.2 CSE

GFSK_DH5_LCH_2402MHz_Ant1_NTNV



GFSK_DH5_LCH_2402MHz_Ant1_NTNV



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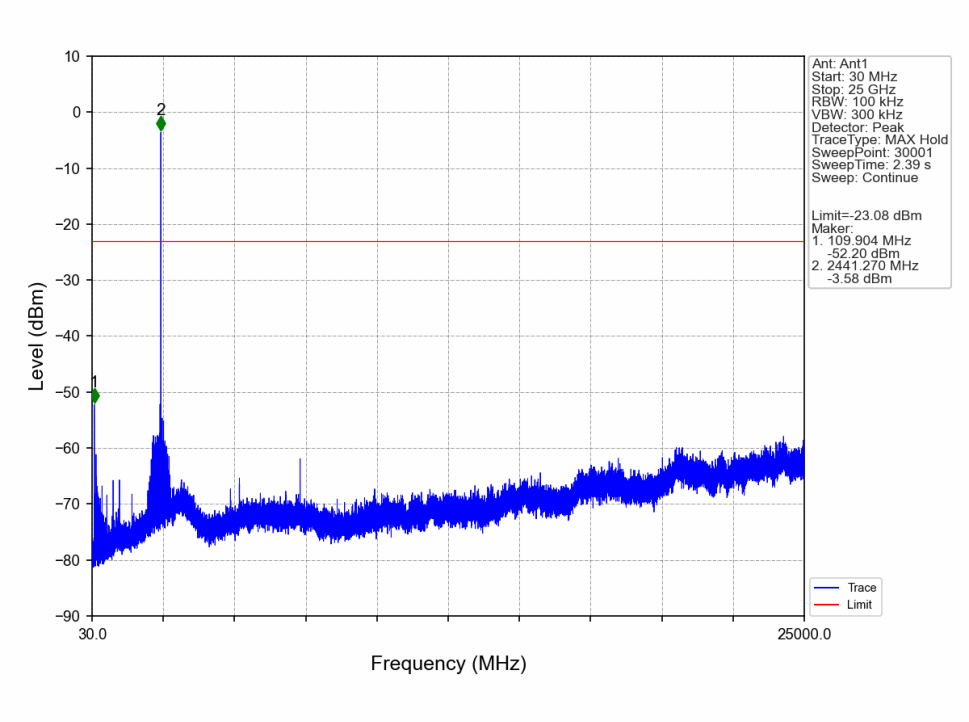

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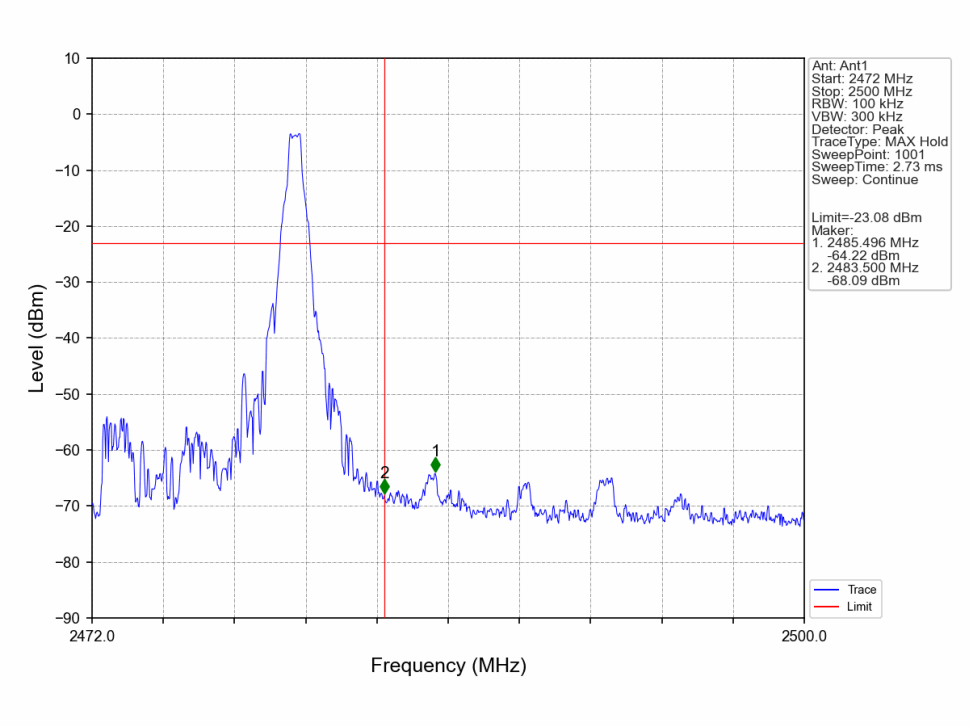

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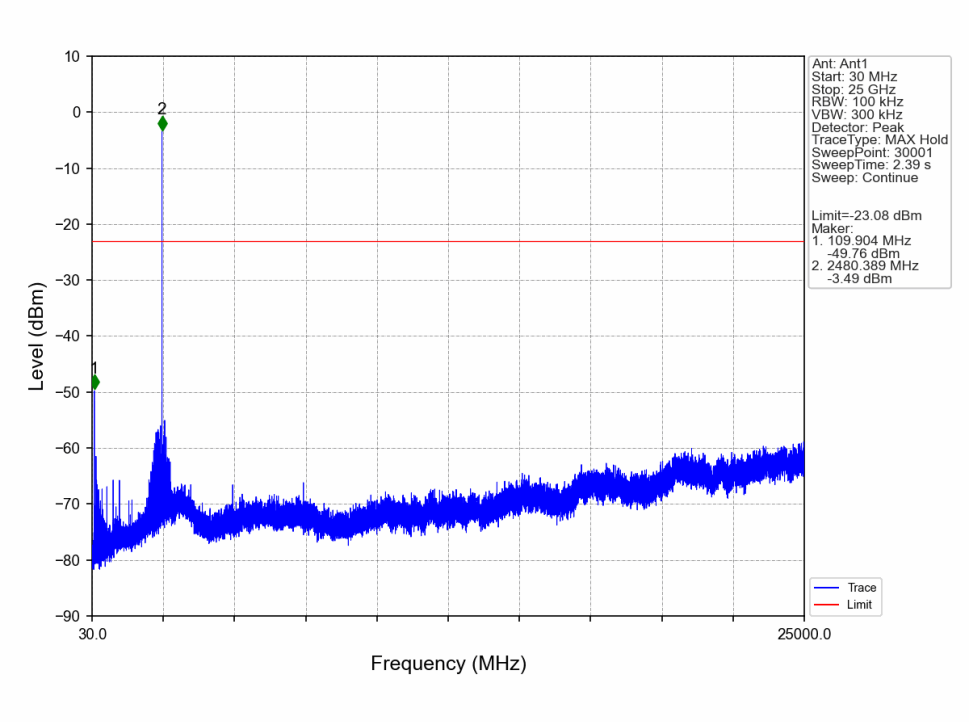

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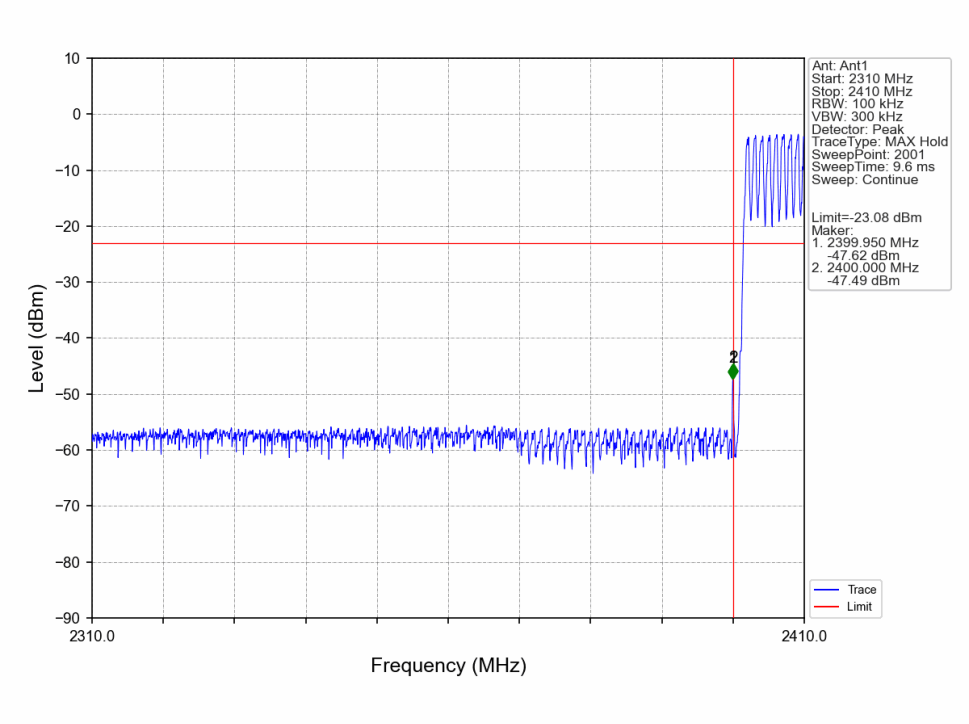

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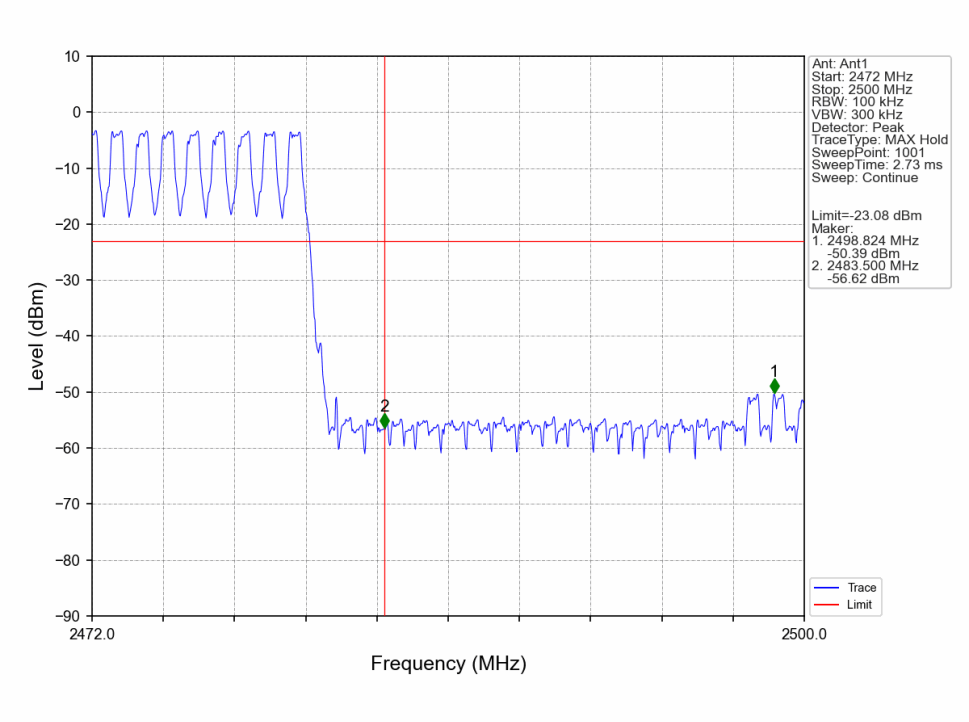
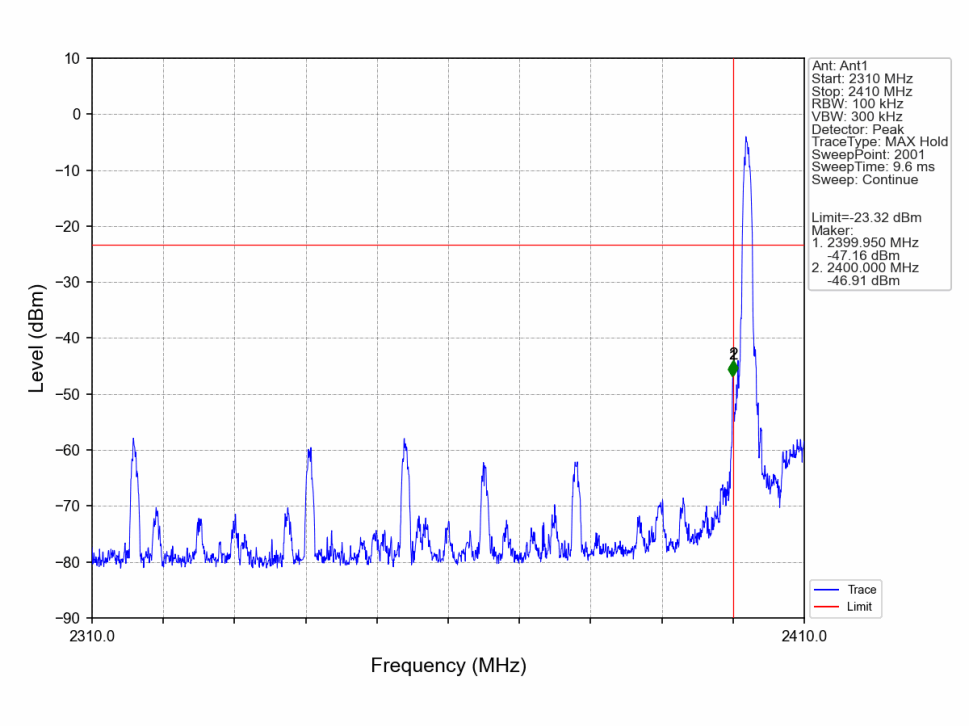


π/4-DQPSK_2DH5_LCH_2402MHz_Ant1_NTNV



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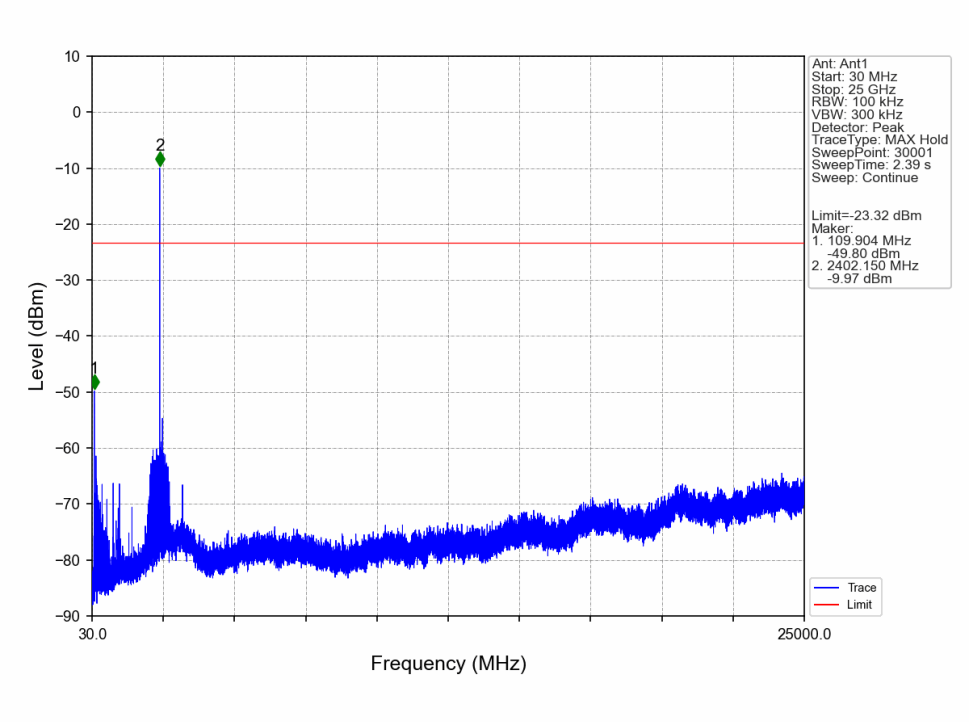

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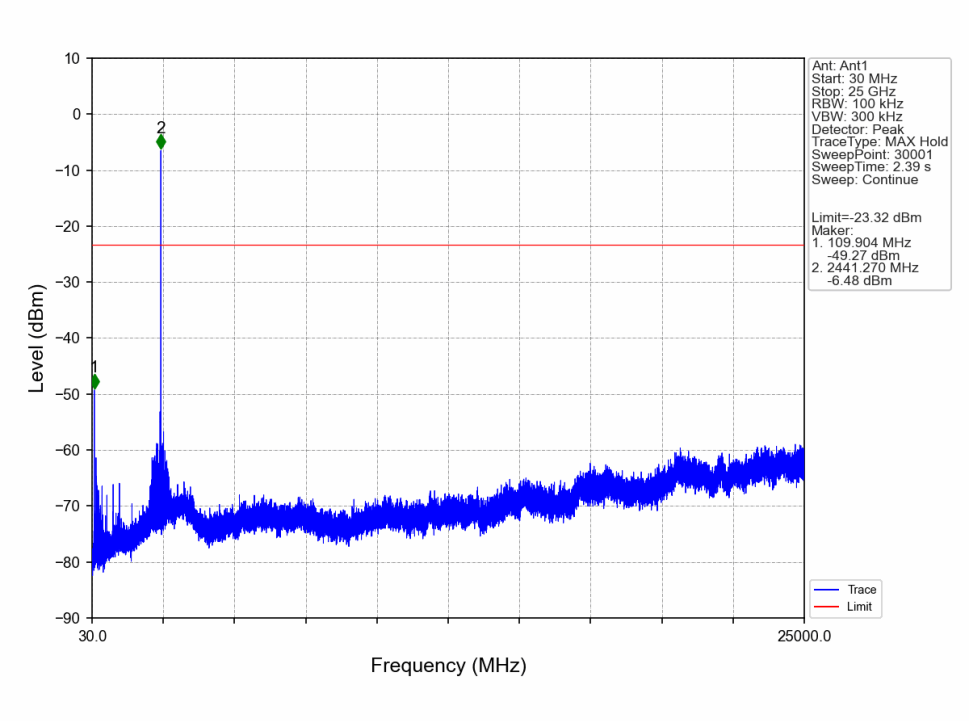

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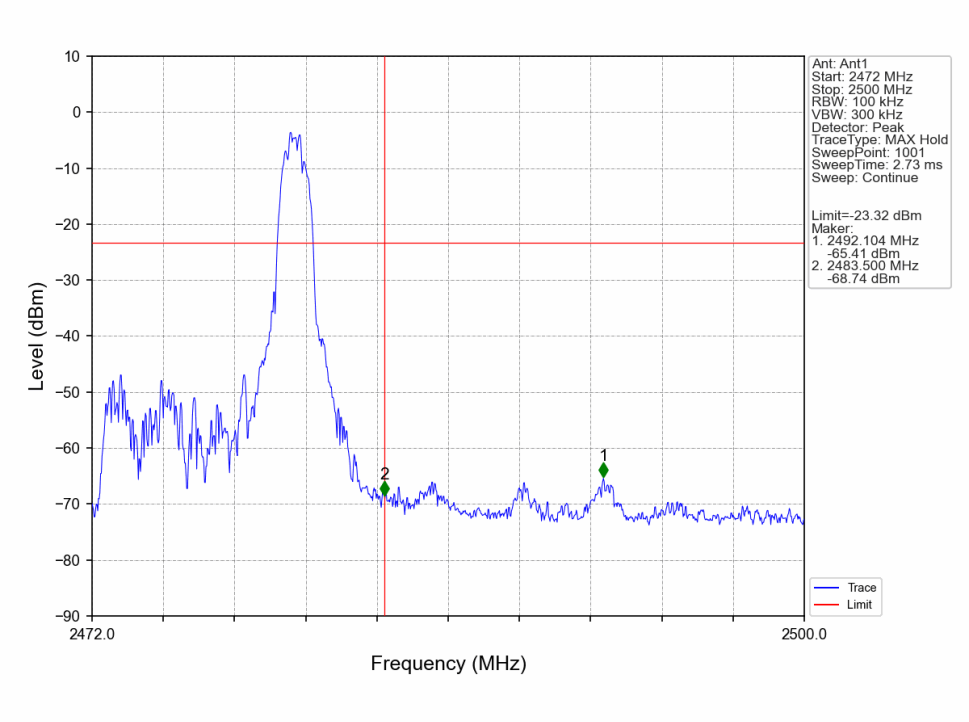

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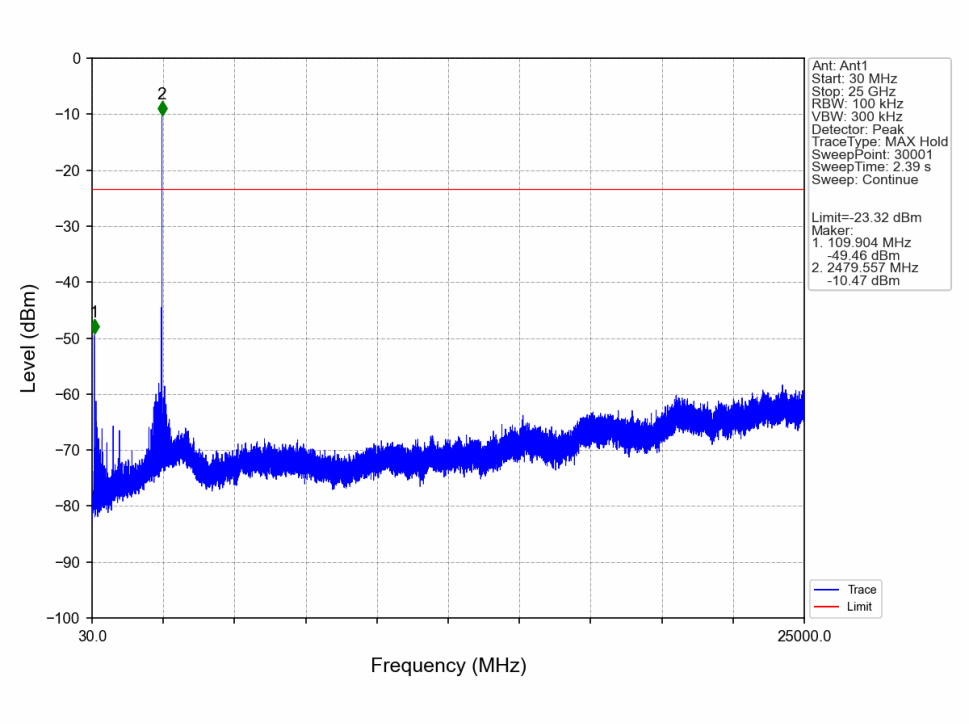

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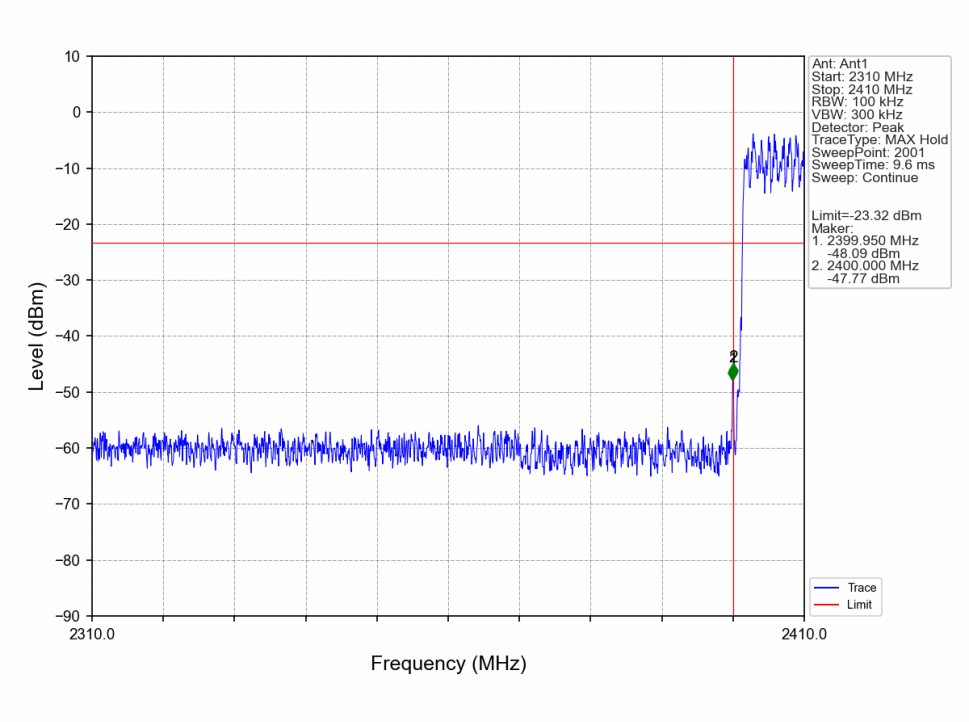

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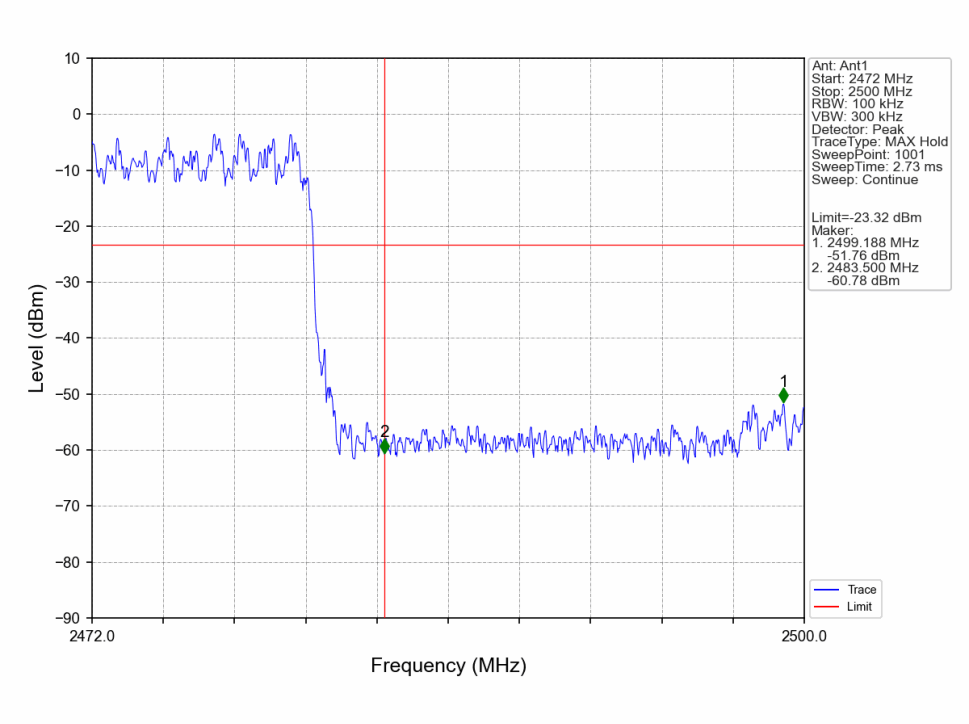
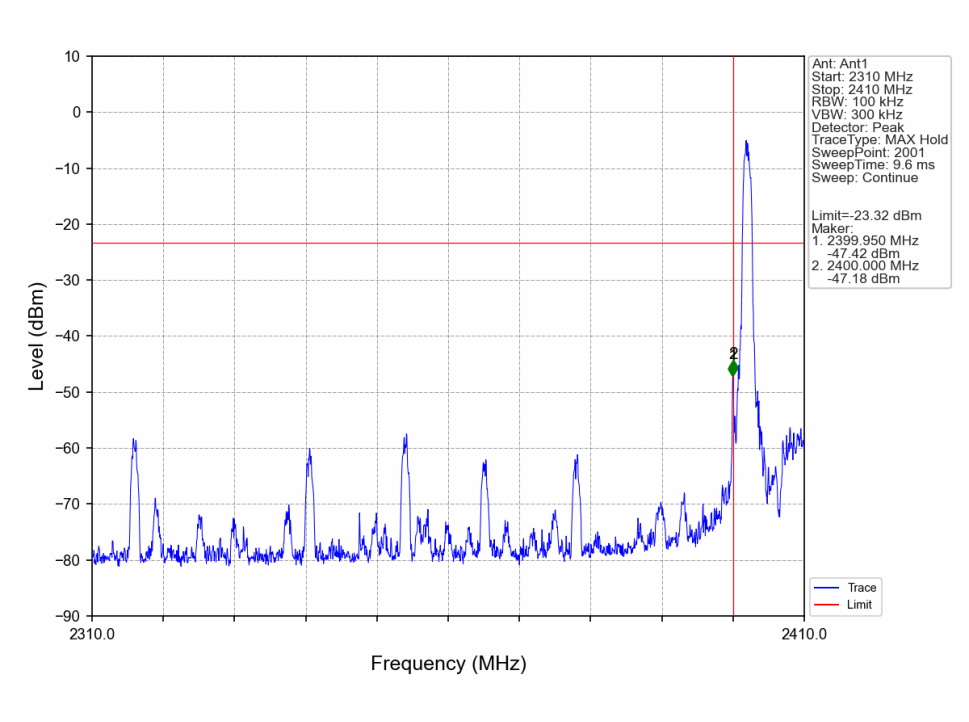


8-DPSK_3DH5_LCH_2402MHz_Ant1_NTNV



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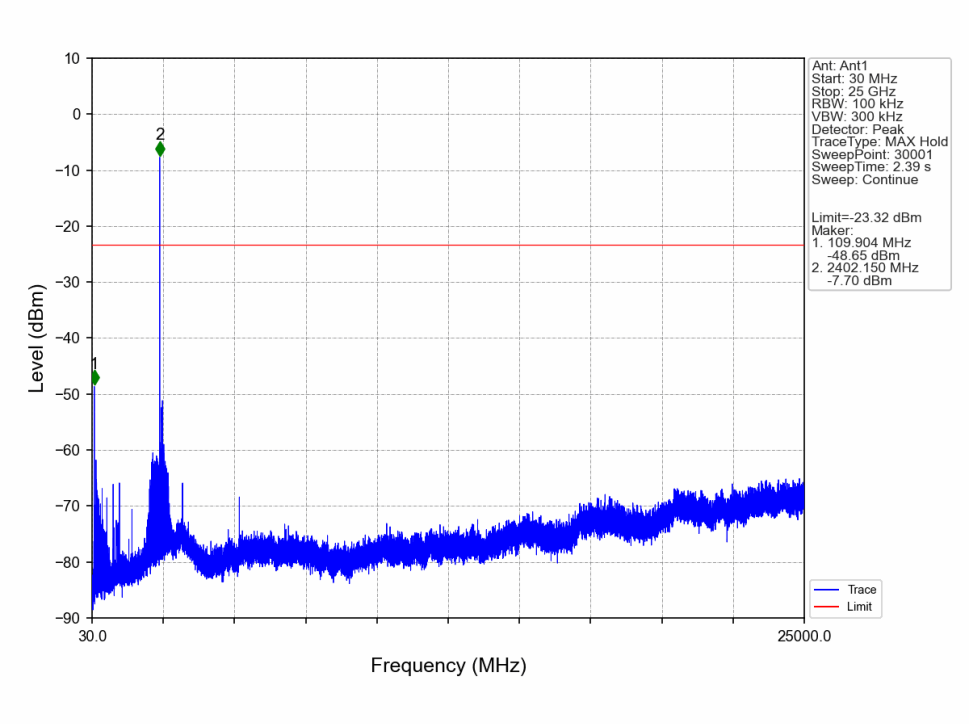

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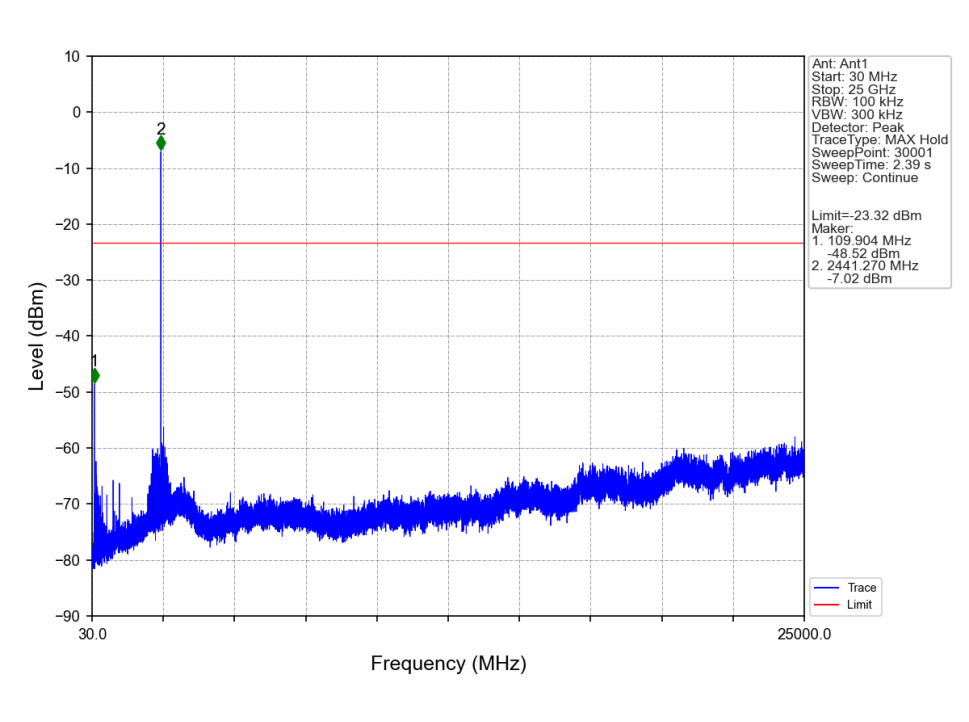

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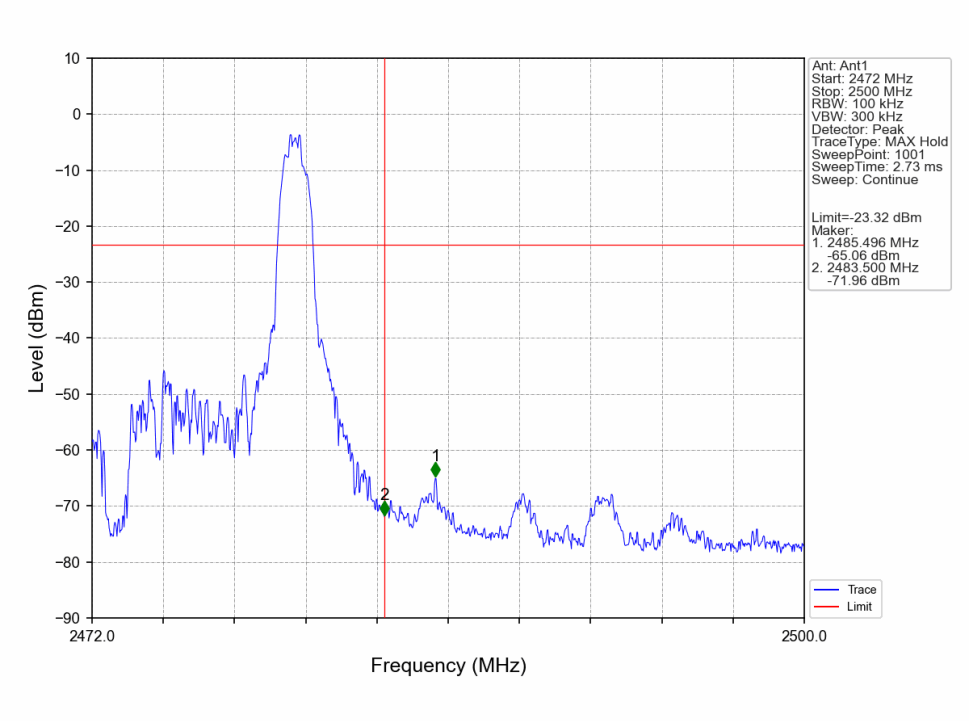

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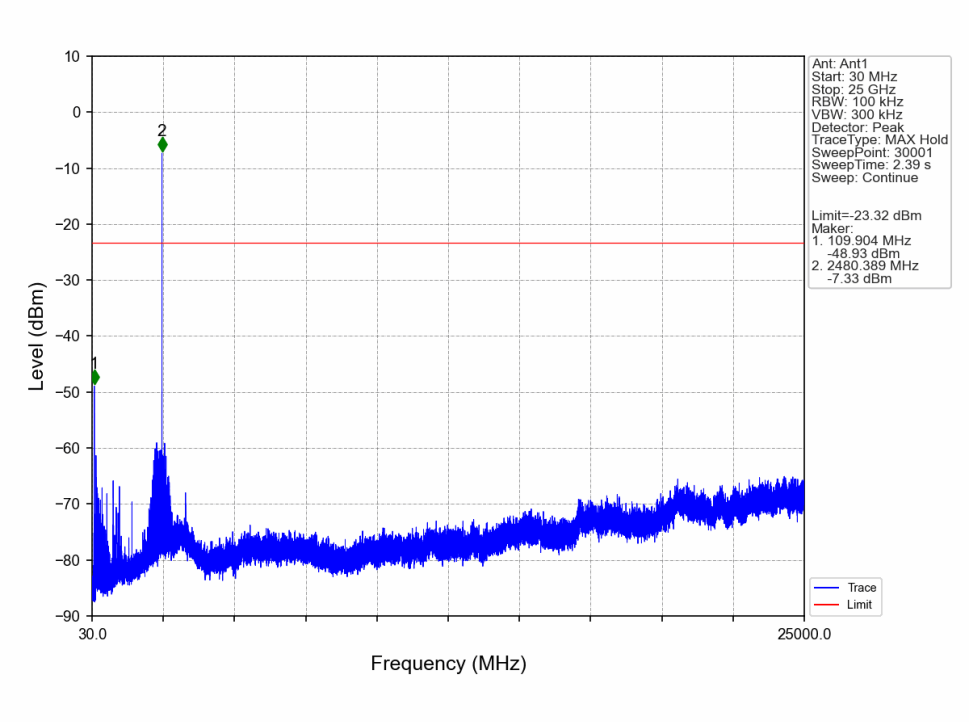

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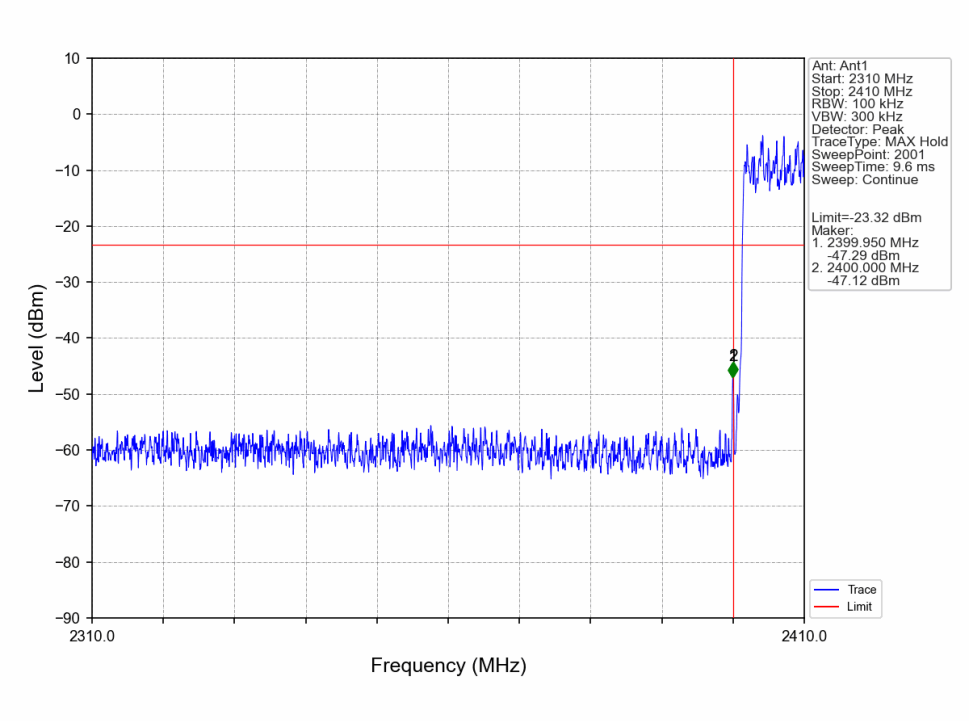

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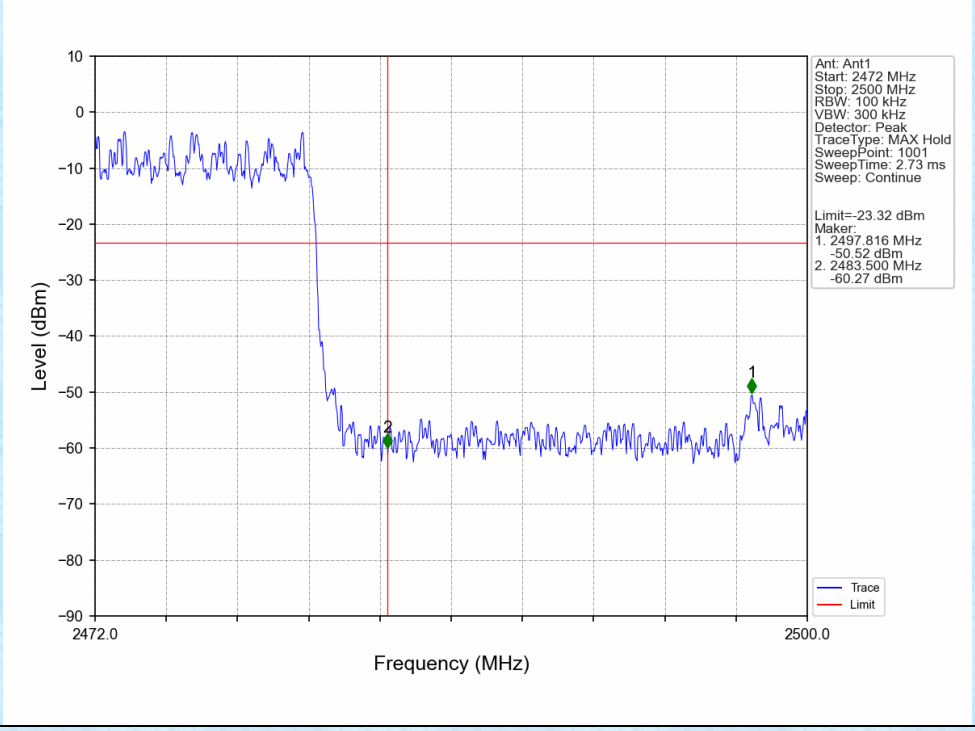

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