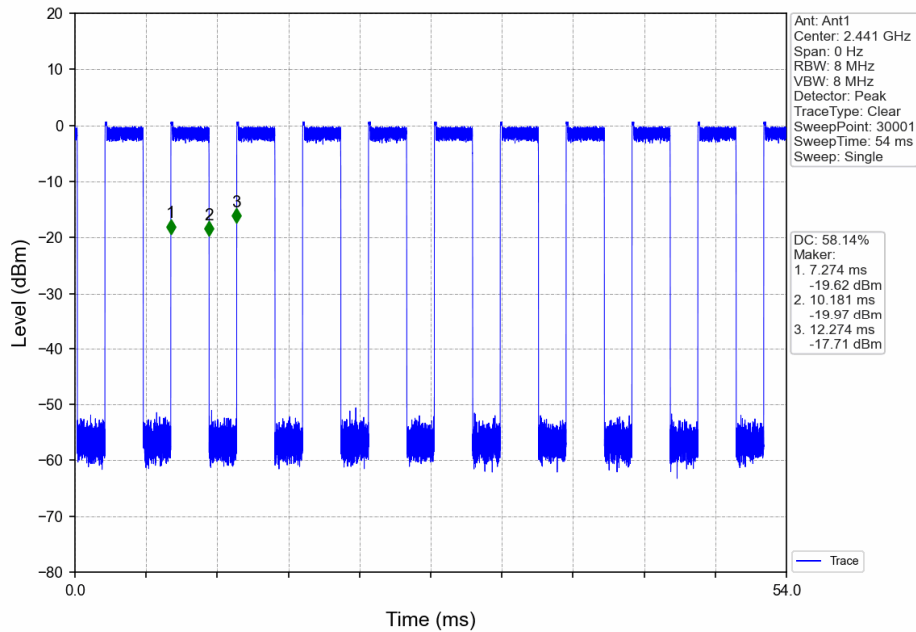
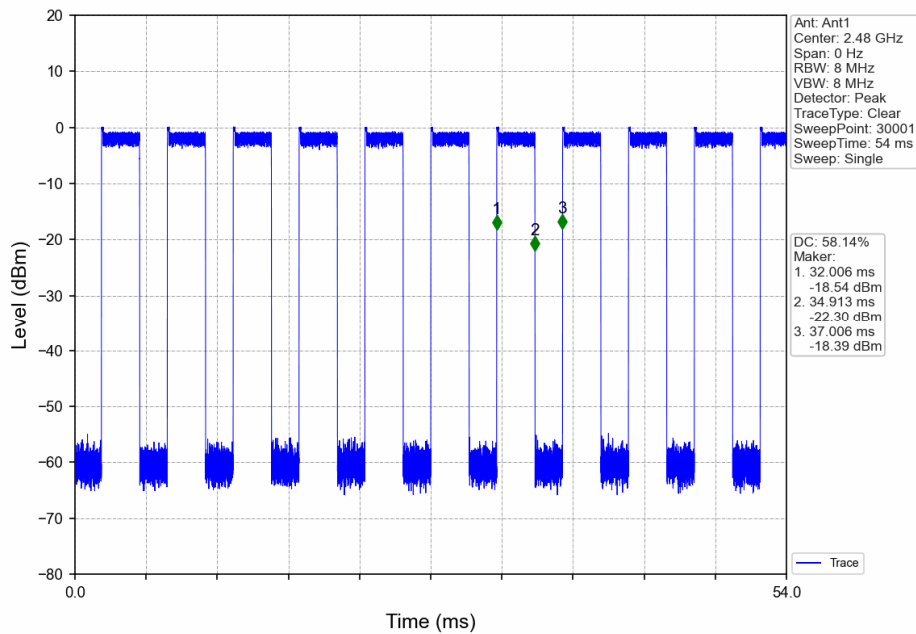


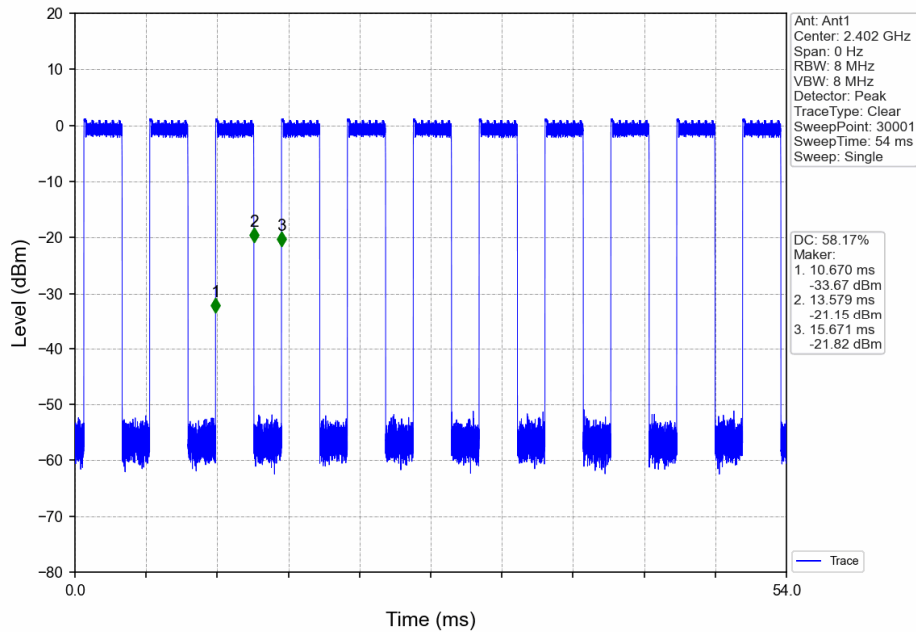
Pi/4DQPSK_2DH5_MCH_2441MHz_Ant1_NTNV



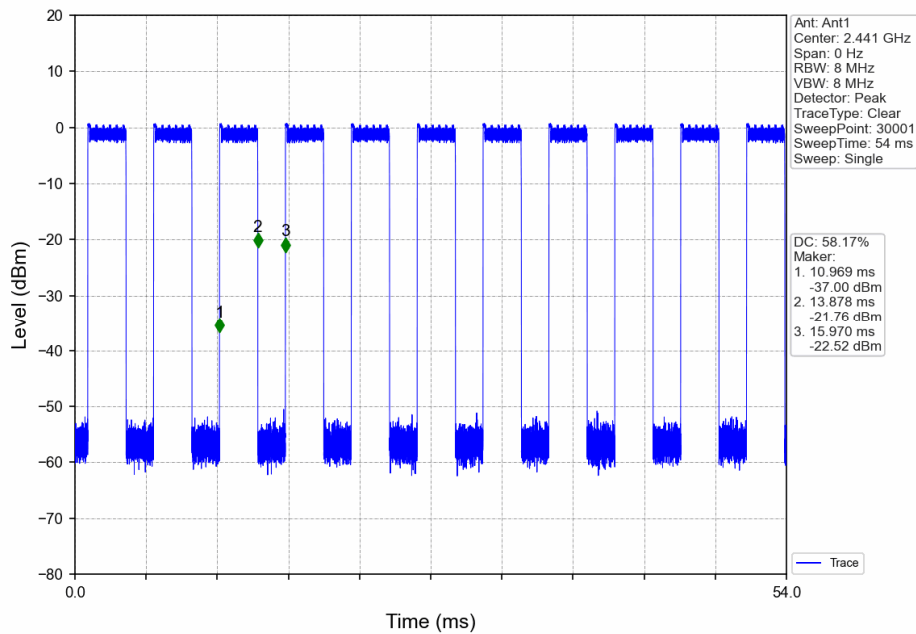
Pi/4DQPSK_2DH5_HCH_2480MHz_Ant1_NTNV



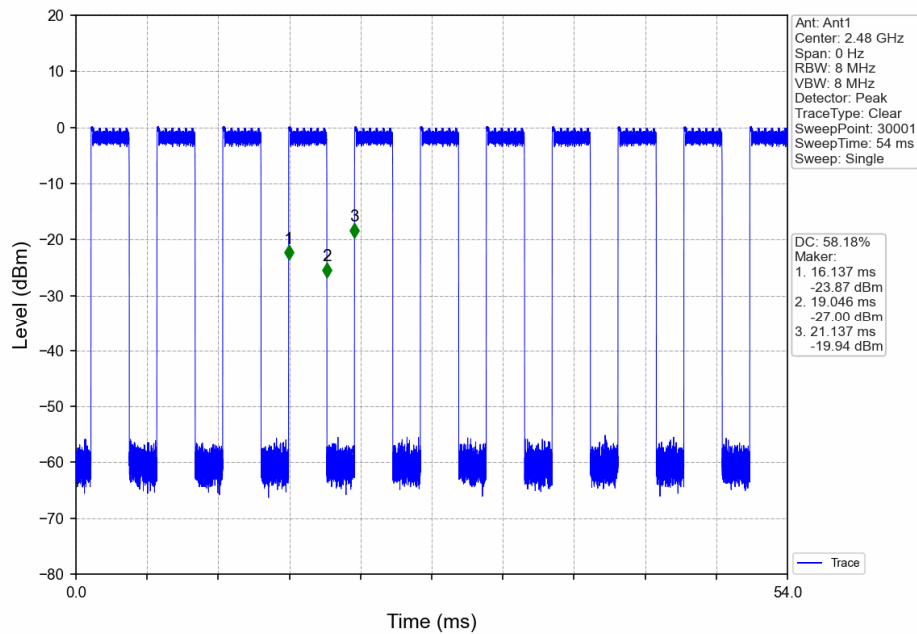
8DPSK_3DH5_LCH_2402MHz_Ant1_NTNV



8DPSK_3DH5_MCH_2441MHz_Ant1_NTNV



8DPSK_3DH5_HCH_2480MHz_Ant1_NTNV



2. Bandwidth

2.1 OBW

2.1.1 Test Result

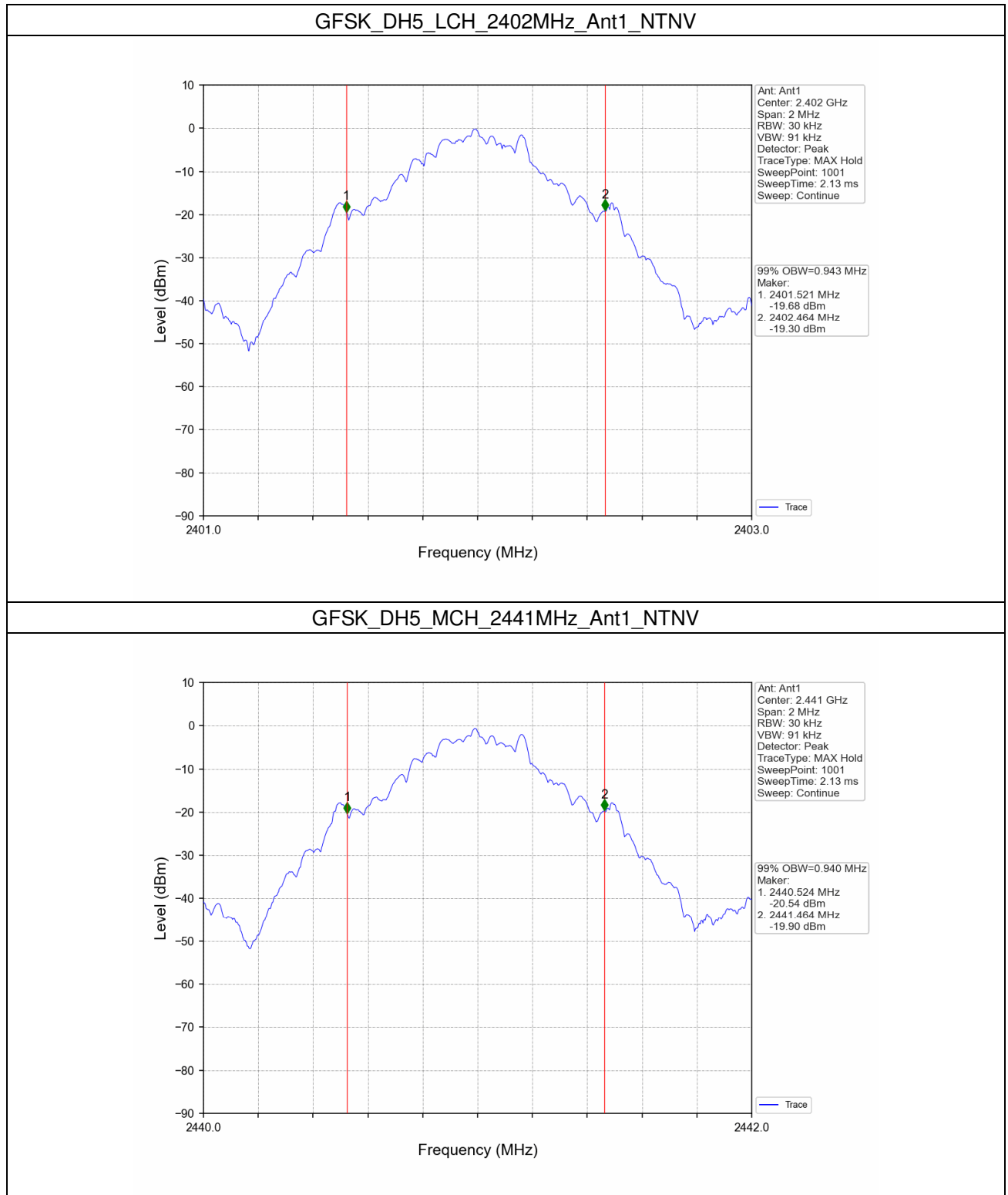
Mode	TX Type	Frequency (MHz)	Packet Type	ANT	99% Occupied Bandwidth (MHz)	Verdict
					Result	
GFSK	SISO	2402	DH5	1	0.943	Pass
		2441	DH5	1	0.940	Pass
		2480	DH5	1	0.942	Pass
Pi/4DQPSK	SISO	2402	2DH5	1	1.124	Pass
		2441	2DH5	1	1.124	Pass
		2480	2DH5	1	1.121	Pass
8DPSK	SISO	2402	3DH5	1	1.134	Pass
		2441	3DH5	1	1.134	Pass
		2480	3DH5	1	1.133	Pass



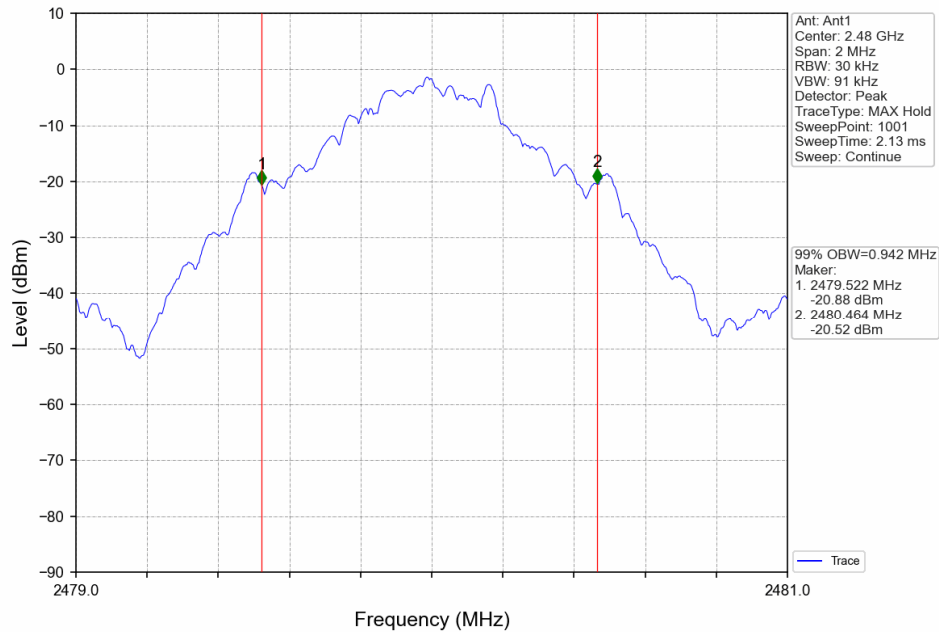
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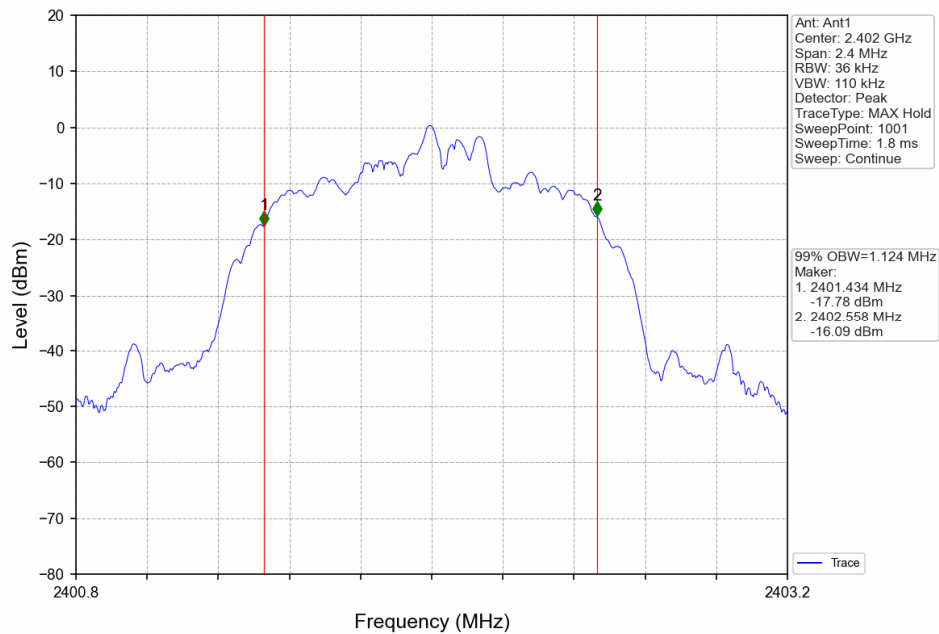
2.1.2 Test Graph



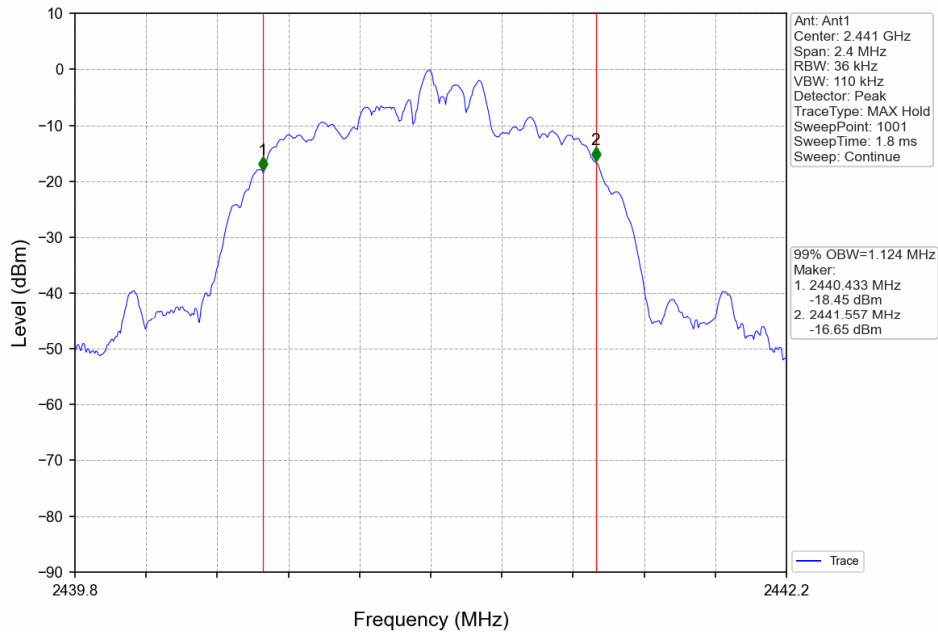
GFSK_DH5_HCH_2480MHz_Ant1_NTNV



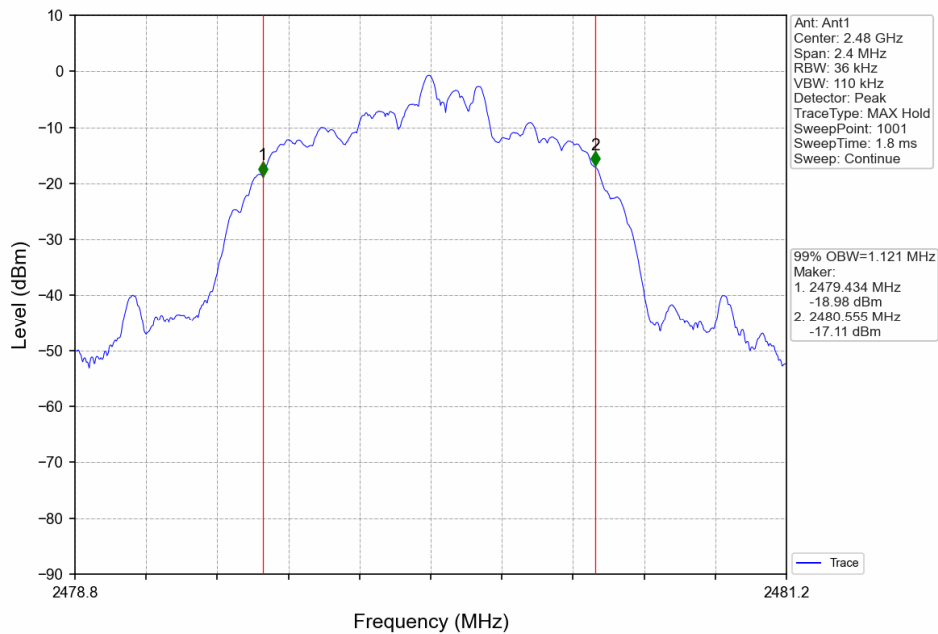
Pi/4DQPSK_2DH5_LCH_2402MHz_Ant1_NTNV



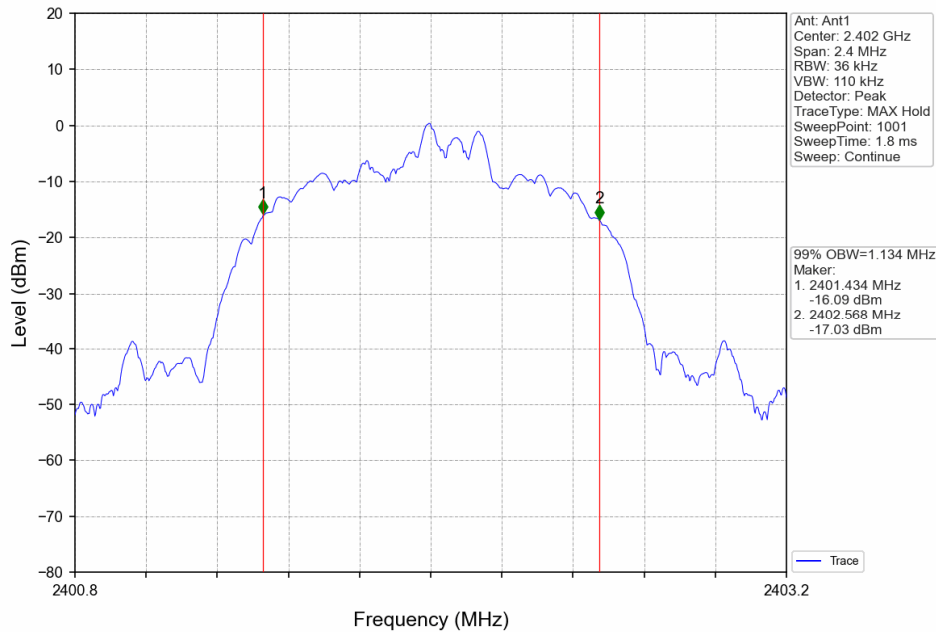
Pi/4DQPSK_2DH5_MCH_2441MHz_Ant1_NTNV



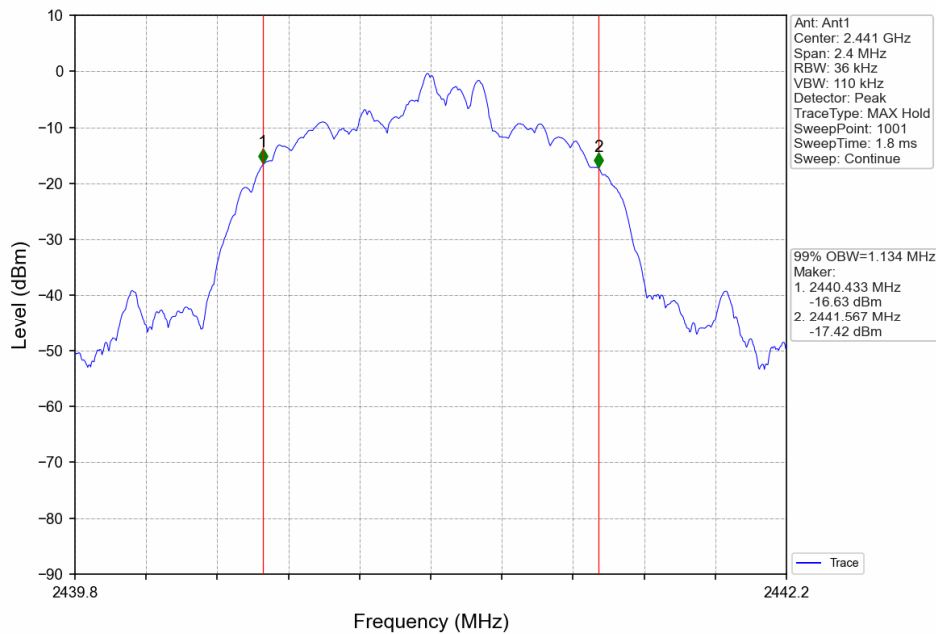
Pi/4DQPSK_2DH5_HCH_2480MHz_Ant1_NTNV



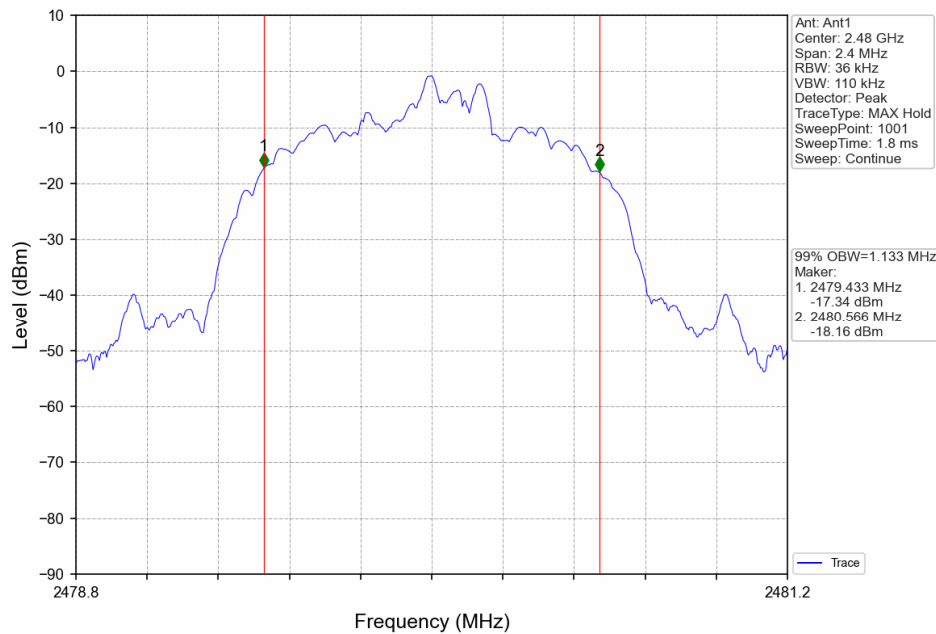
8DPSK_3DH5_LCH_2402MHz_Ant1_NTNV



8DPSK_3DH5_MCH_2441MHz_Ant1_NTNV



8DPSK_3DH5_HCH_2480MHz_Ant1_NTNV

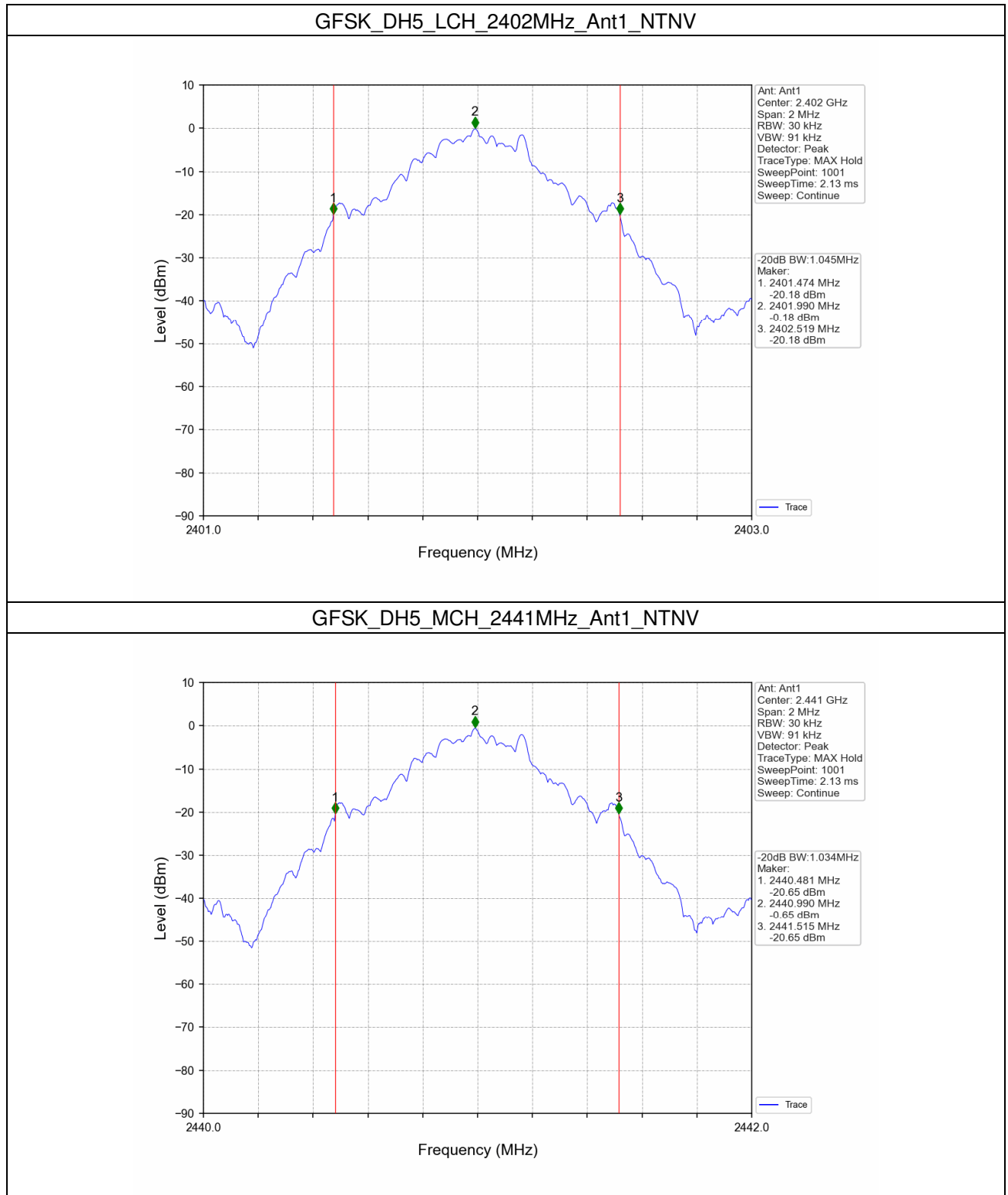


2.2 20dB BW

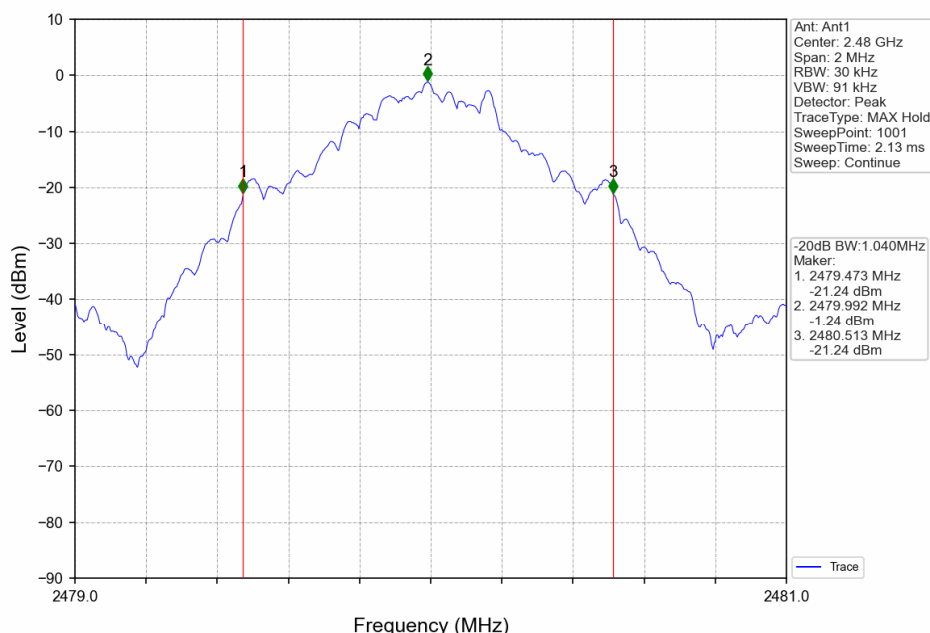
2.2.1 Test Result

Mode	TX Type	Frequency (MHz)	Packet Type	ANT	20dB Bandwidth (MHz)	Verdict
					Result	
GFSK	SISO	2402	DH5	1	1.045	Pass
		2441	DH5	1	1.034	Pass
		2480	DH5	1	1.040	Pass
Pi/4DQPSK	SISO	2402	2DH5	1	1.195	Pass
		2441	2DH5	1	1.193	Pass
		2480	2DH5	1	1.192	Pass
8DPSK	SISO	2402	3DH5	1	1.207	Pass
		2441	3DH5	1	1.206	Pass
		2480	3DH5	1	1.205	Pass

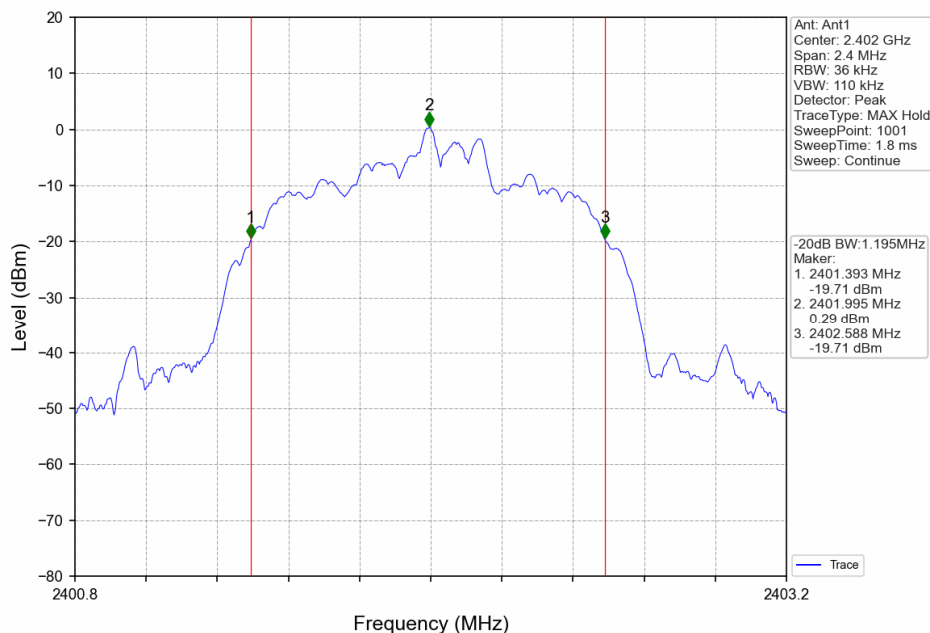
2.2.2 Test Graph



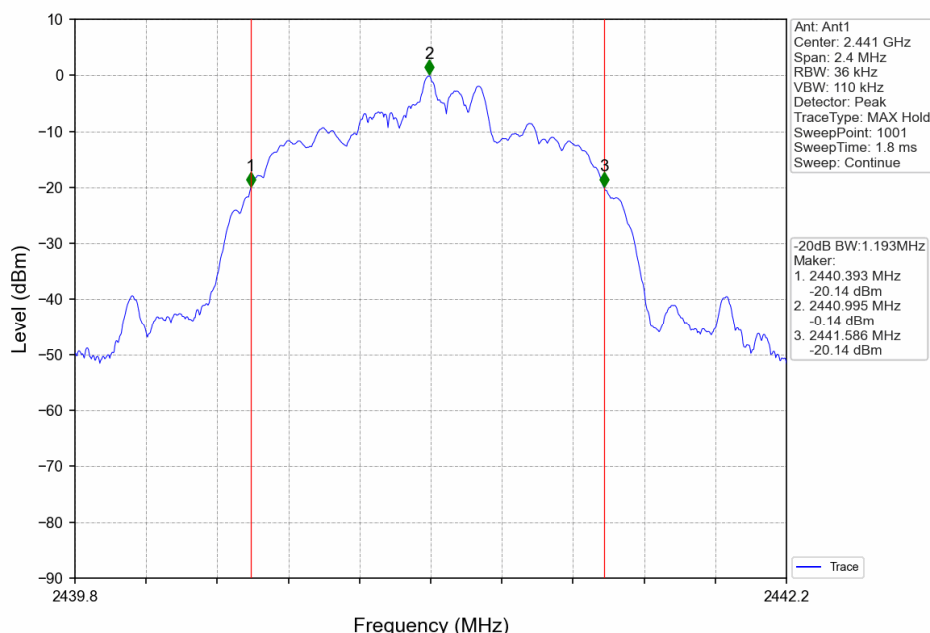
GFSK_DH5_HCH_2480MHz_Ant1_NTNV



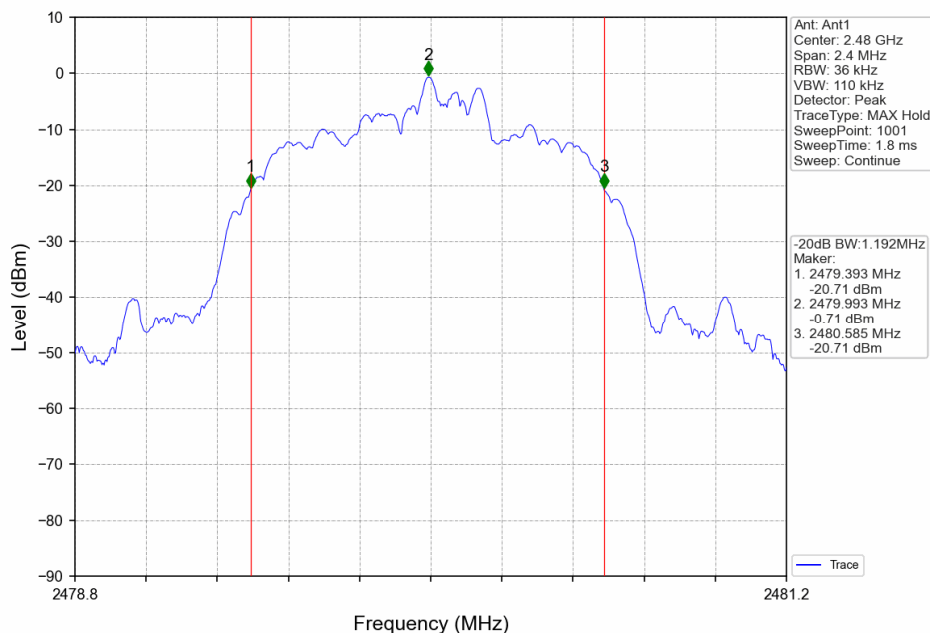
Pi/4DQPSK_2DH5_LCH_2402MHz_Ant1_NTNV



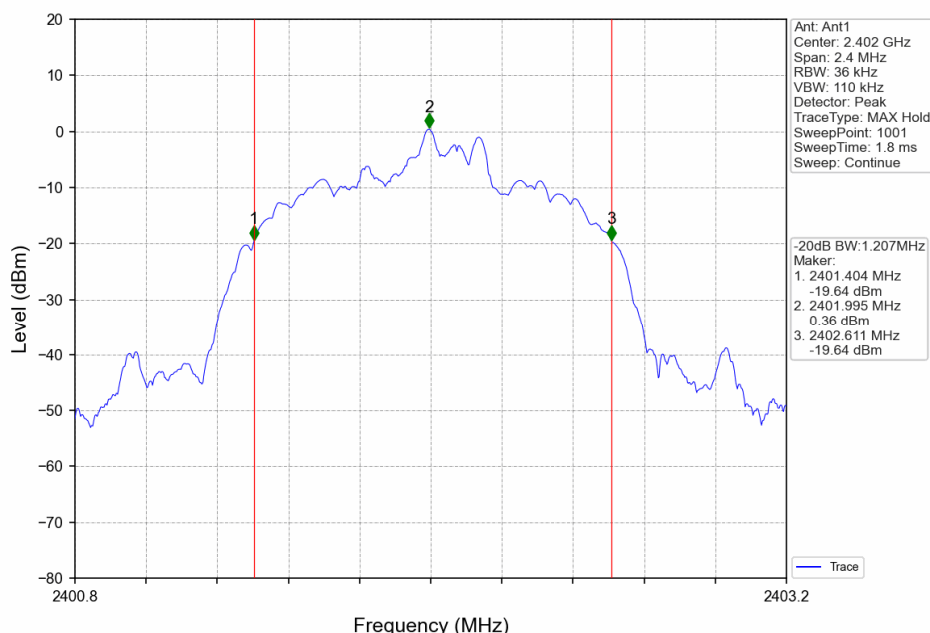
Pi/4DQPSK_2DH5_MCH_2441MHz_Ant1_NTNV



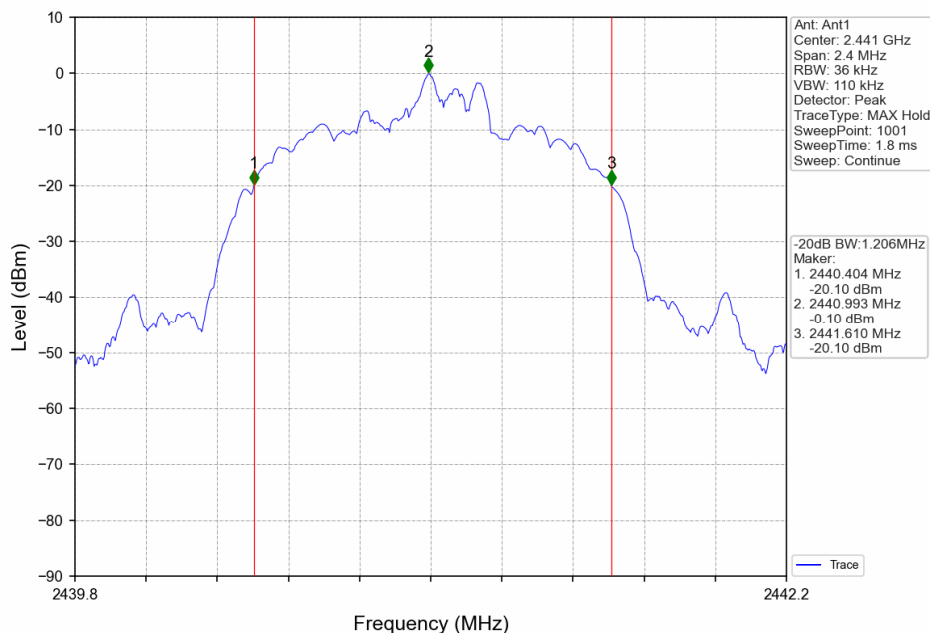
Pi/4DQPSK_2DH5_HCH_2480MHz_Ant1_NTNV



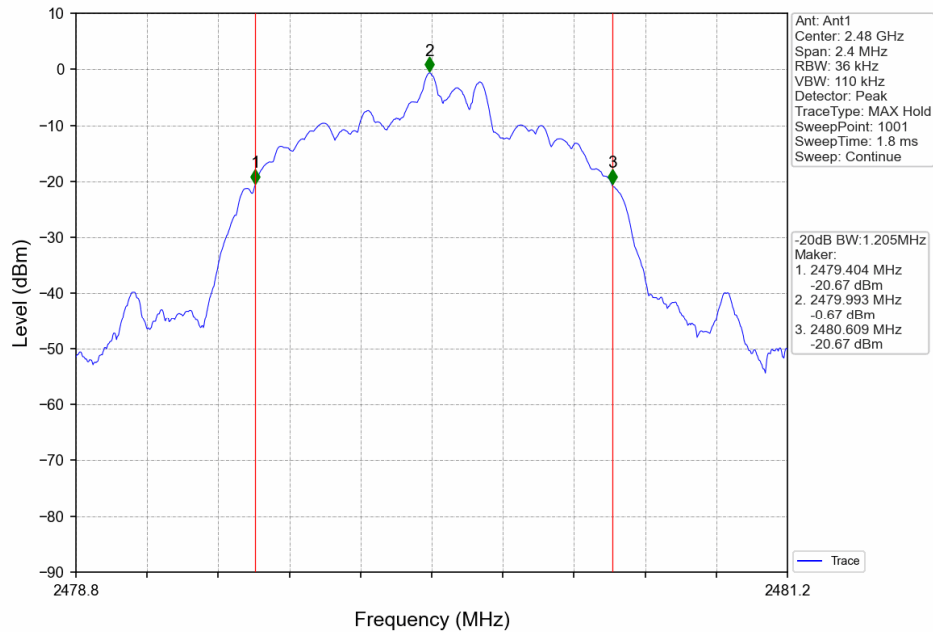
8DPSK_3DH5_LCH_2402MHz_Ant1_NTNV



8DPSK_3DH5_MCH_2441MHz_Ant1_NTNV



8DPSK_3DH5_HCH_2480MHz_Ant1_NTNV



3. Maximum Conducted Output Power

3.1 Power

3.1.1 Test Result

Mode	TX Type	Frequency (MHz)	Packet Type	Maximum Peak Conducted Output Power (dBm)		Verdict
				ANT1	Limit	
GFSK	SISO	2402	DH5	1.12	≤ 20.97	Pass
		2441	DH5	0.61	≤ 20.97	Pass
		2480	DH5	0.05	≤ 20.97	Pass
Pi/4DQPSK	SISO	2402	2DH5	1.07	≤ 20.97	Pass
		2441	2DH5	0.56	≤ 20.97	Pass
		2480	2DH5	0.01	≤ 20.97	Pass
8DPSK	SISO	2402	3DH5	1.11	≤ 20.97	Pass
		2441	3DH5	0.60	≤ 20.97	Pass
		2480	3DH5	0.05	≤ 20.97	Pass

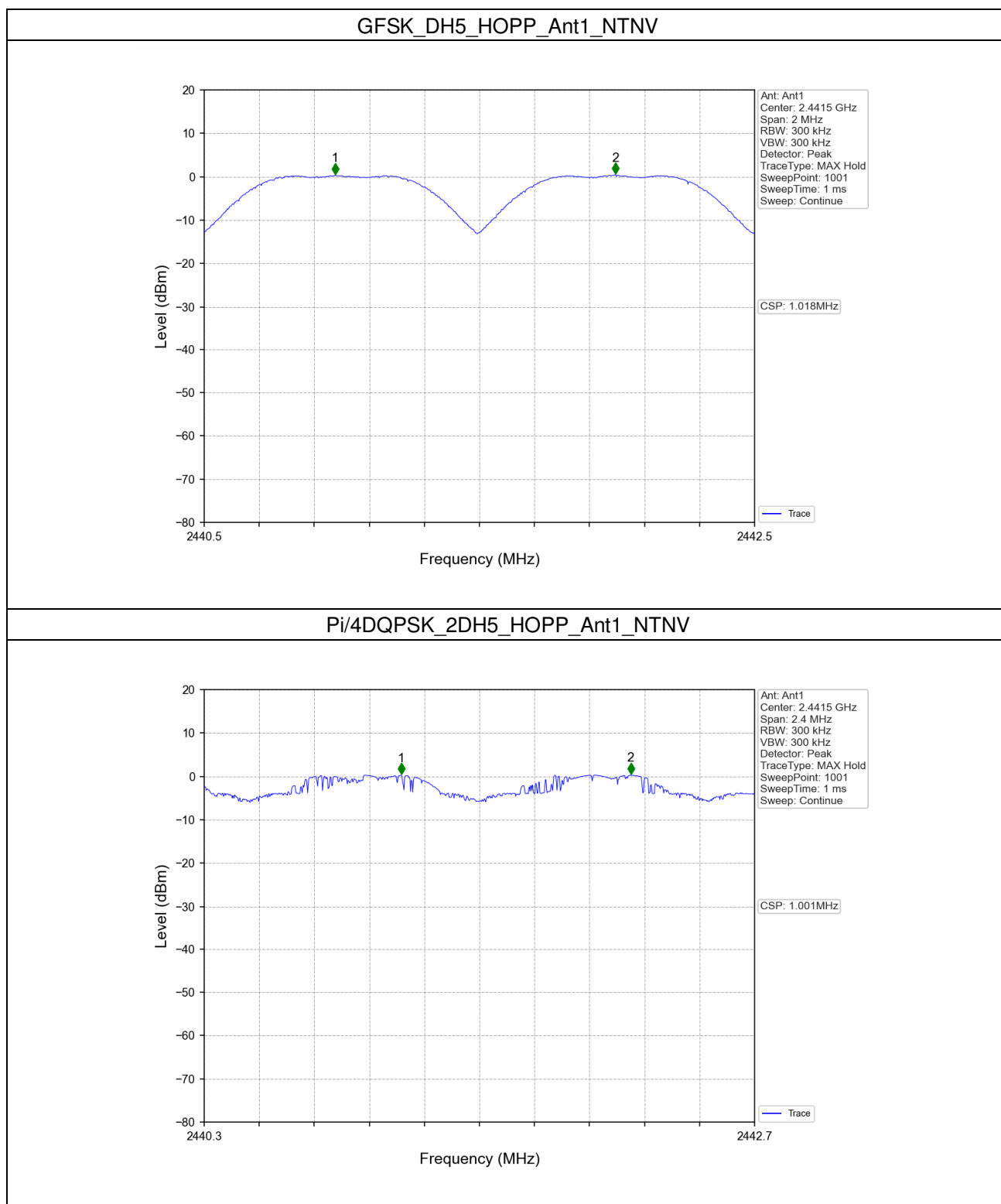
4. Carrier Frequency Separation

4.1 Ant1

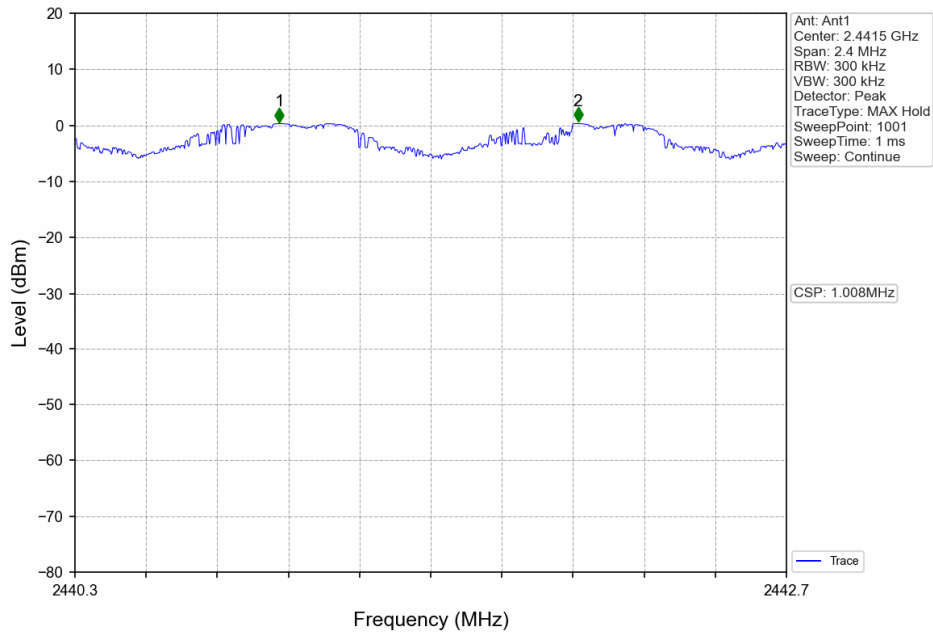
4.1.1 Test Result

Ant1							
Mode	TX Type	Frequency (MHz)	Packet Type	Channel Separation (MHz)	20dB Bandwidth (MHz)	Limit (MHz)	Verdict
GFSK	SISO	HOPP	DH5	1.018	1.045	≥ 0.697	Pass
Pi/4DQPSK	SISO	HOPP	2DH5	1.001	1.195	≥ 0.797	Pass
8DPSK	SISO	HOPP	3DH5	1.008	1.207	≥ 0.805	Pass

4.1.2 Test Graph



8DPSK_3DH5_HOPP_Ant1_NTNV



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5. Number of Hopping Frequencies

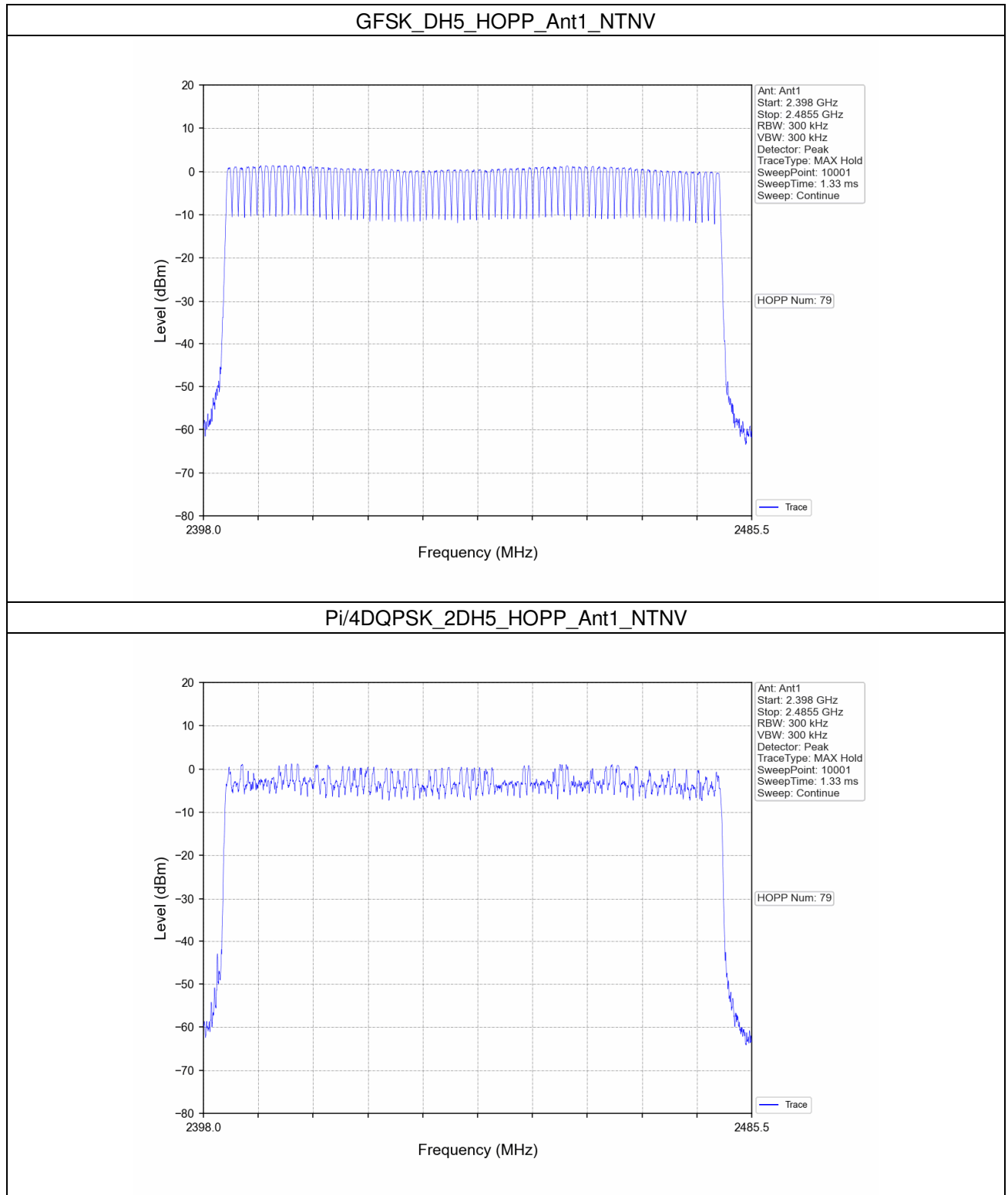
5.1 HoppNum

5.1.1 Test Result

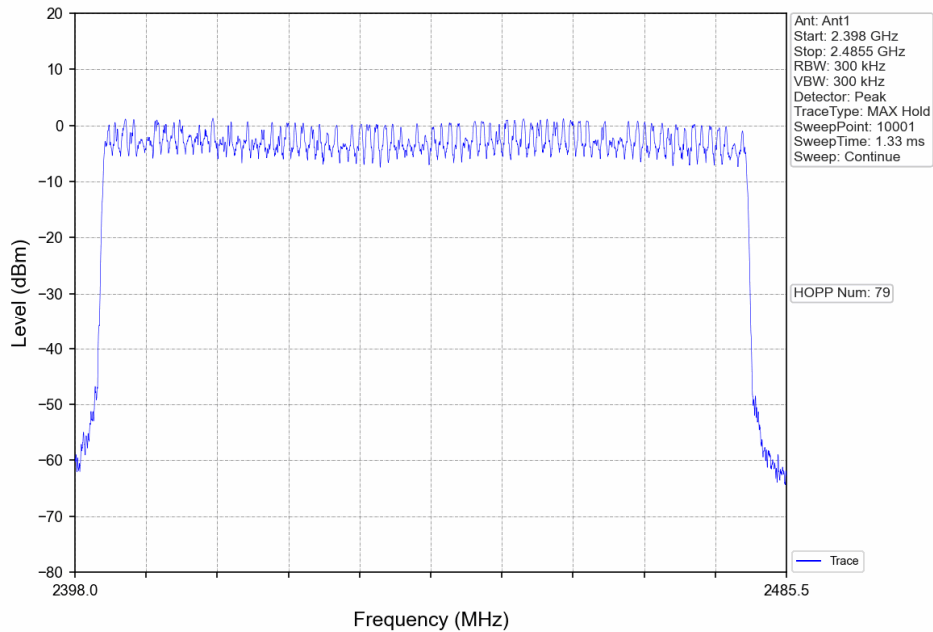
Mode	TX Type	Frequency (MHz)	Packet Type	Num of Hopping Frequencies		Verdict
				ANT1	Limit	
GFSK	SISO	HOPP	DH5	79	≥ 15	Pass
Pi/4DQPSK	SISO	HOPP	2DH5	79	≥ 15	Pass
8DPSK	SISO	HOPP	3DH5	79	≥ 15	Pass



5.1.2 Test Graph



8DPSK_3DH5_HOPP_Ant1_NTNV



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6. Time of Occupancy (Dwell Time)

6.1 Ant1

6.1.1 Test Result

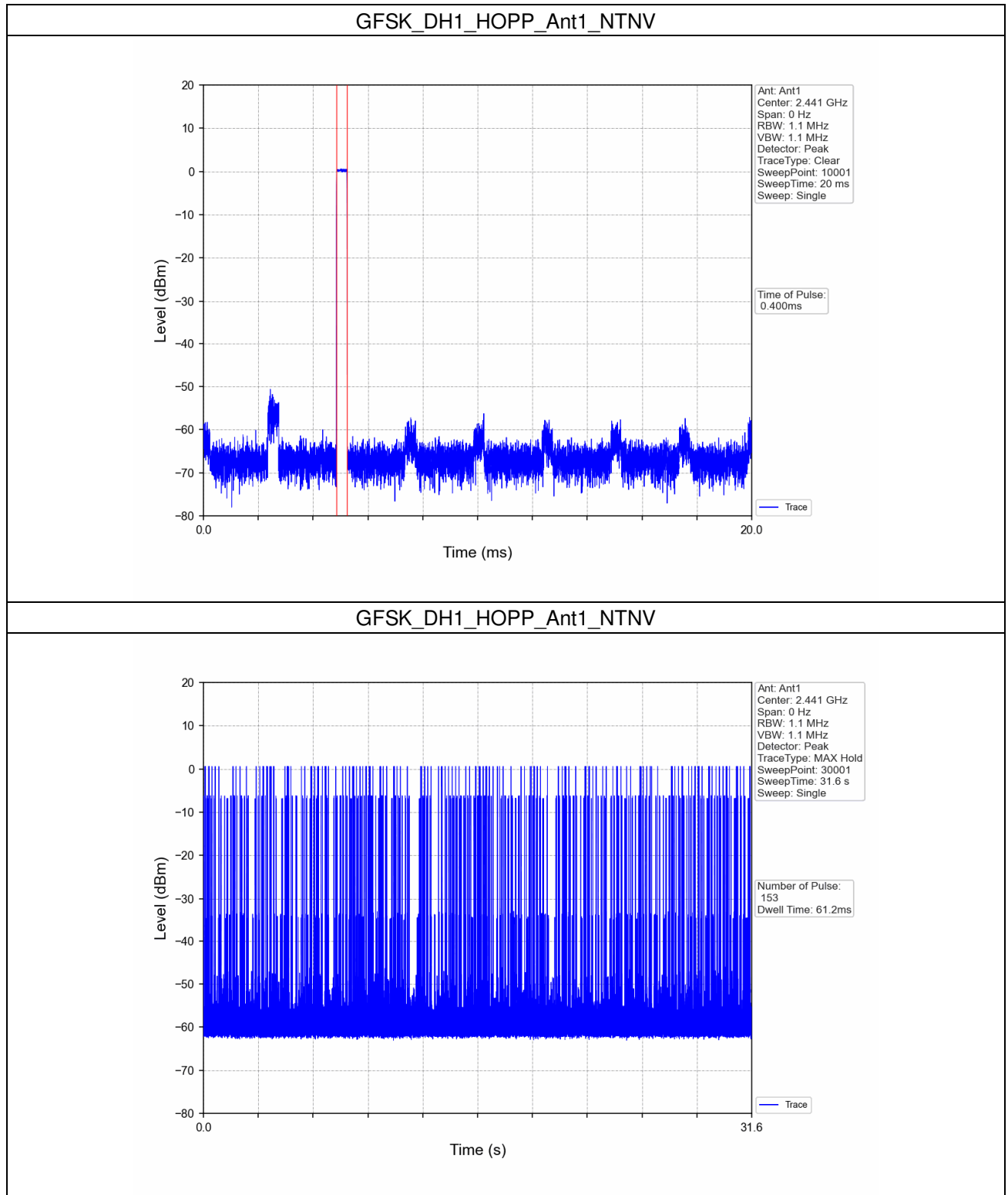
Ant1									
Mode	TX Type	Frequency (MHz)	Packet Type	Duration of Single Pulse (ms)	Observation Period (s)	Num of Pulse in Observation Period	Dwell Time (ms)	Limit (ms)	Verdict
GFSK	SISO	HOPP	DH1	0.400	31.600	153	61.200	<=400	Pass
			DH3	1.658	31.600	94	155.852	<=400	Pass
			DH5	2.904	31.600	77	223.608	<=400	Pass
Pi/4DQPSK	SISO	HOPP	2DH1	0.408	31.600	156	63.648	<=400	Pass
			2DH3	1.662	31.600	99	164.538	<=400	Pass
			2DH5	2.912	31.600	76	221.312	<=400	Pass
8DPSK	SISO	HOPP	3DH1	0.408	31.600	169	68.952	<=400	Pass
			3DH3	1.662	31.600	96	159.552	<=400	Pass
			3DH5	2.912	31.600	90	262.080	<=400	Pass



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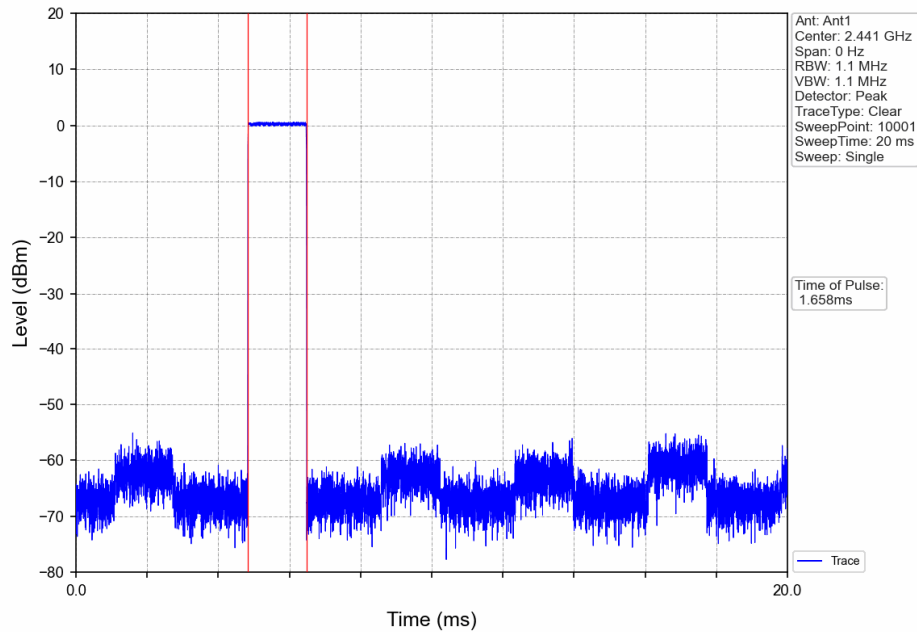
6.1.2 Test Graph



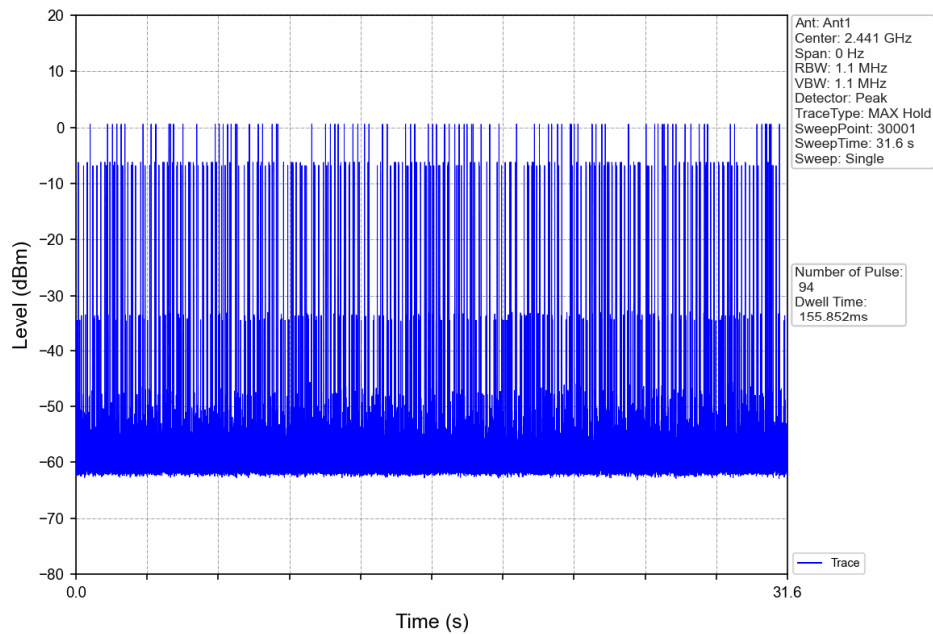
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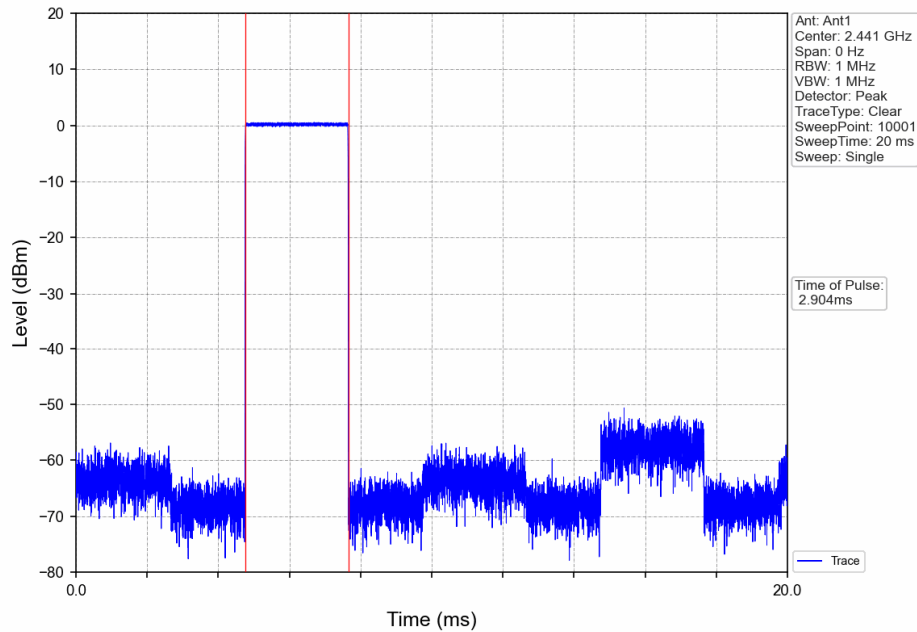
GFSK_DH3_HOPP_Ant1_NTNV



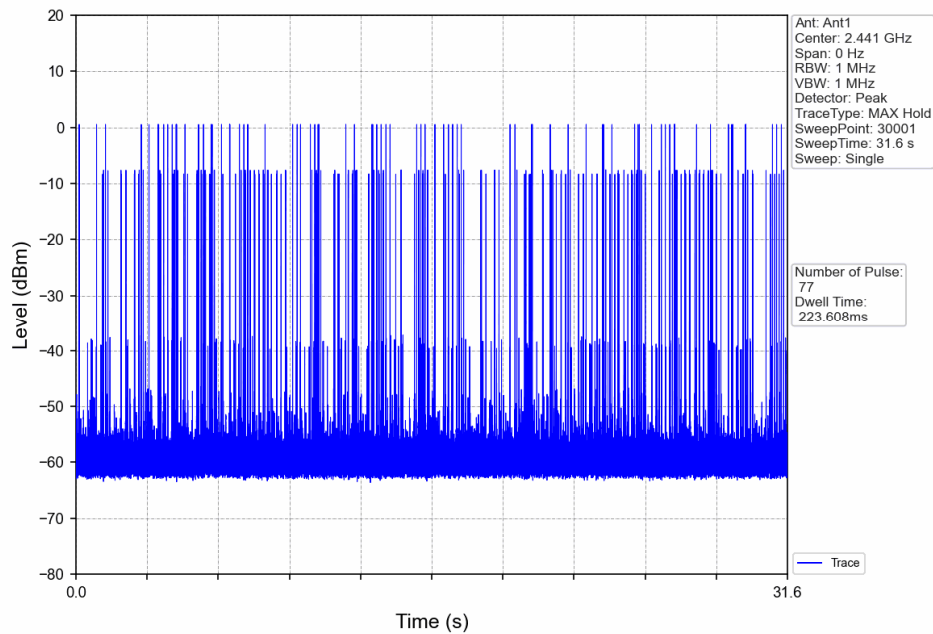
GFSK_DH3_HOPP_Ant1_NTNV



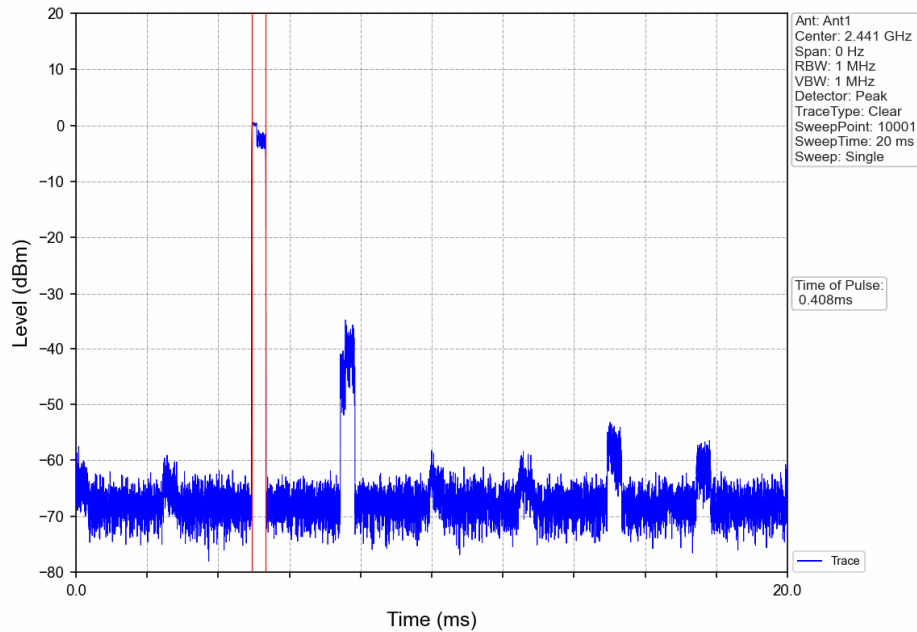
GFSK_DH5_HOPP_Ant1_NTNV



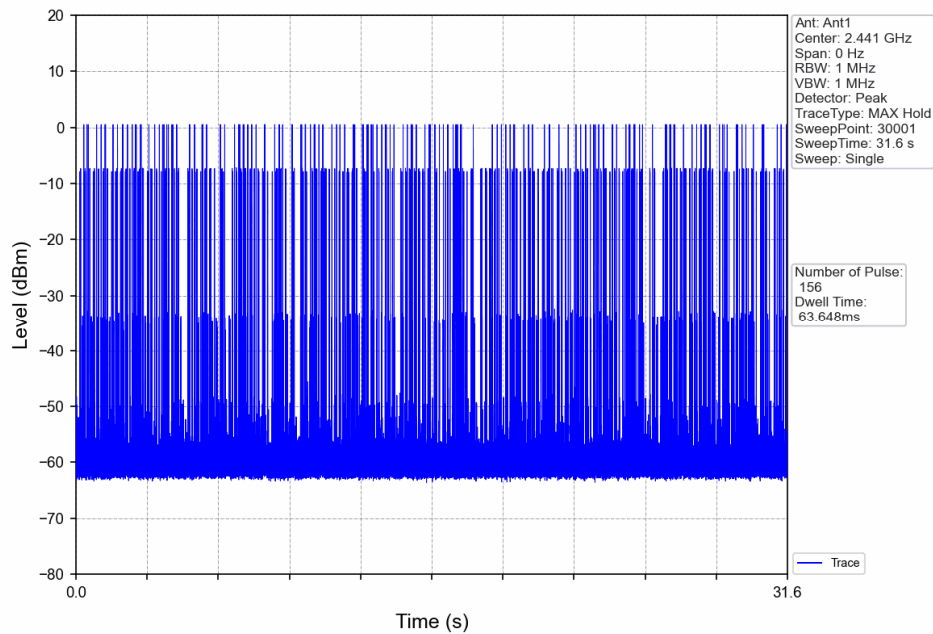
GFSK_DH5_HOPP_Ant1_NTNV



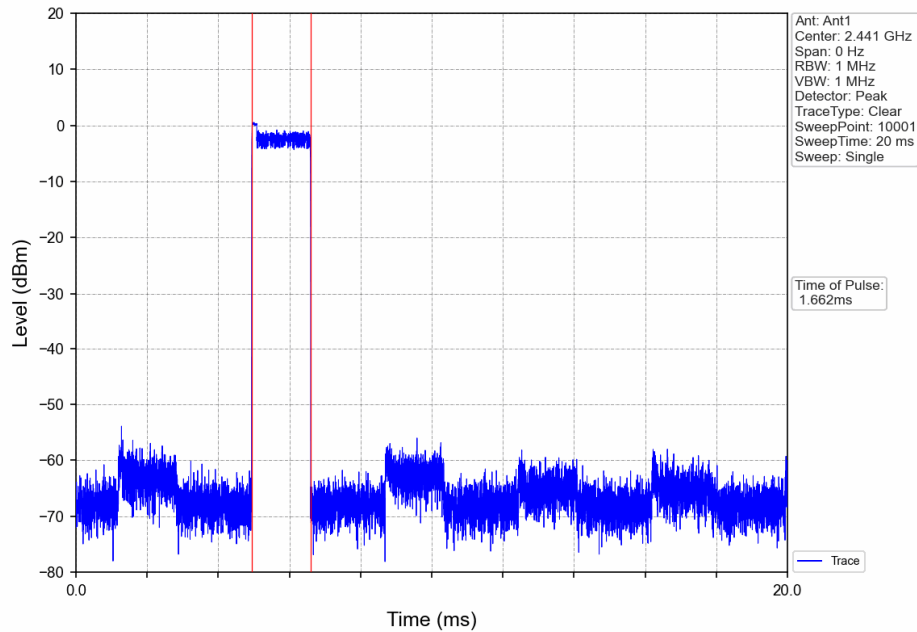
Pi/4DQPSK_2DH1_HOPP_Ant1_NTNV



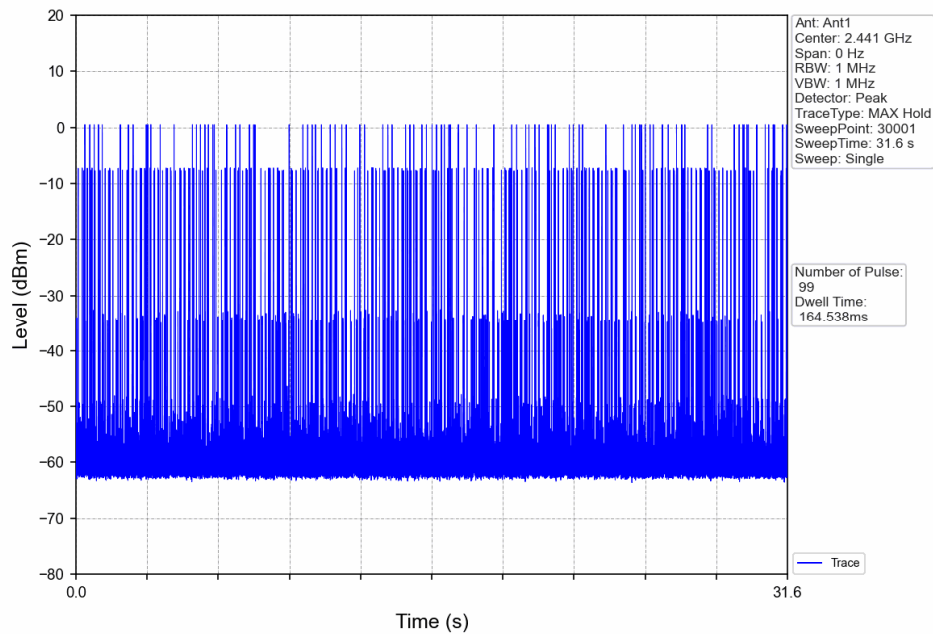
Pi/4DQPSK_2DH1_HOPP_Ant1_NTNV



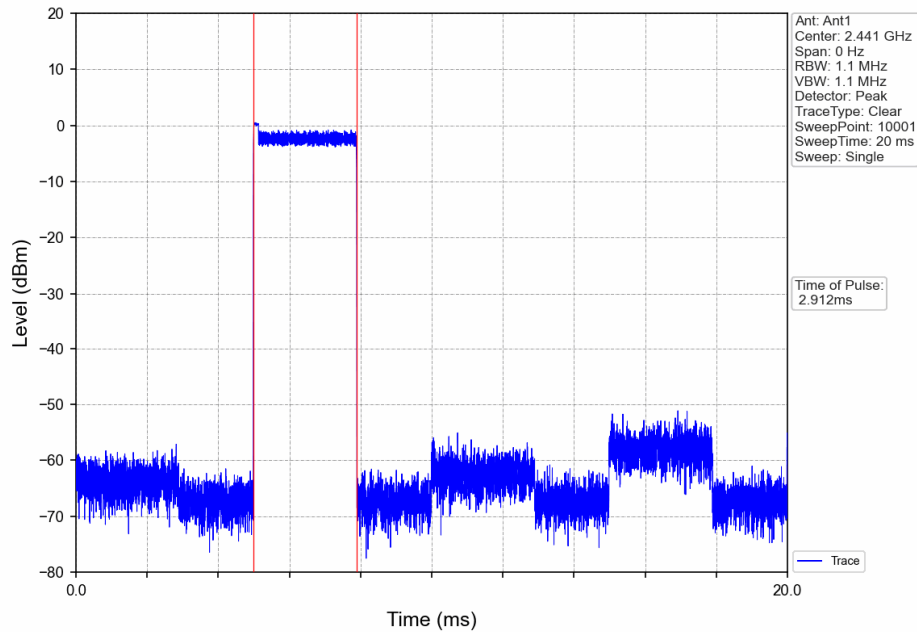
Pi/4DQPSK_2DH3_HOPP_Ant1_NTNV



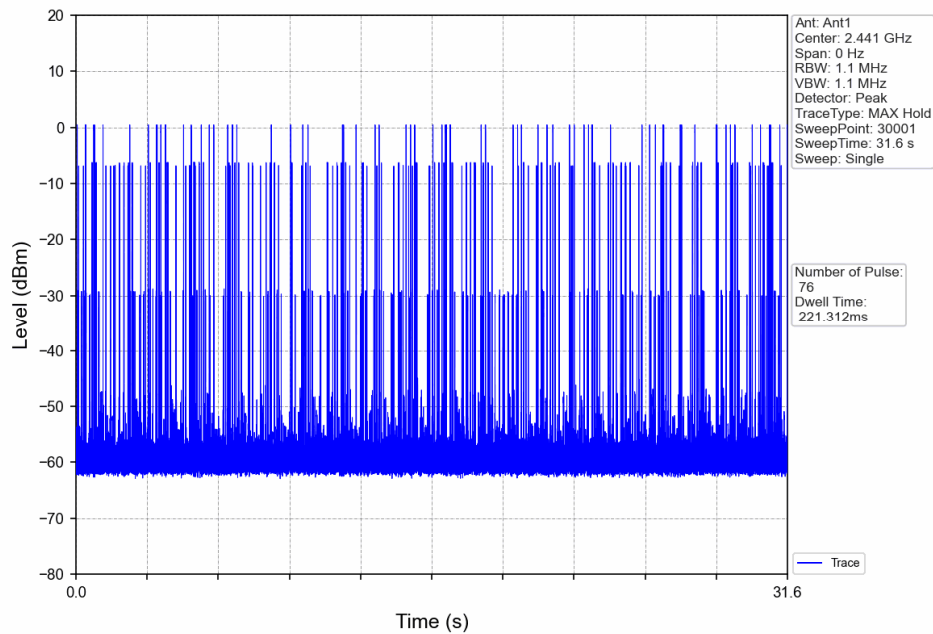
Pi/4DQPSK_2DH3_HOPP_Ant1_NTNV



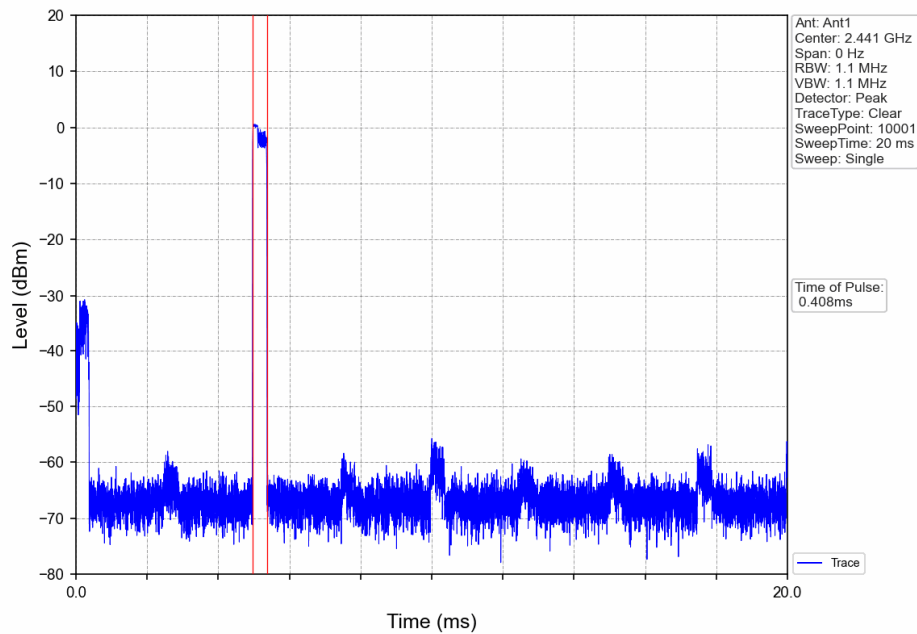
Pi/4DQPSK_2DH5_HOPP_Ant1_NTNV



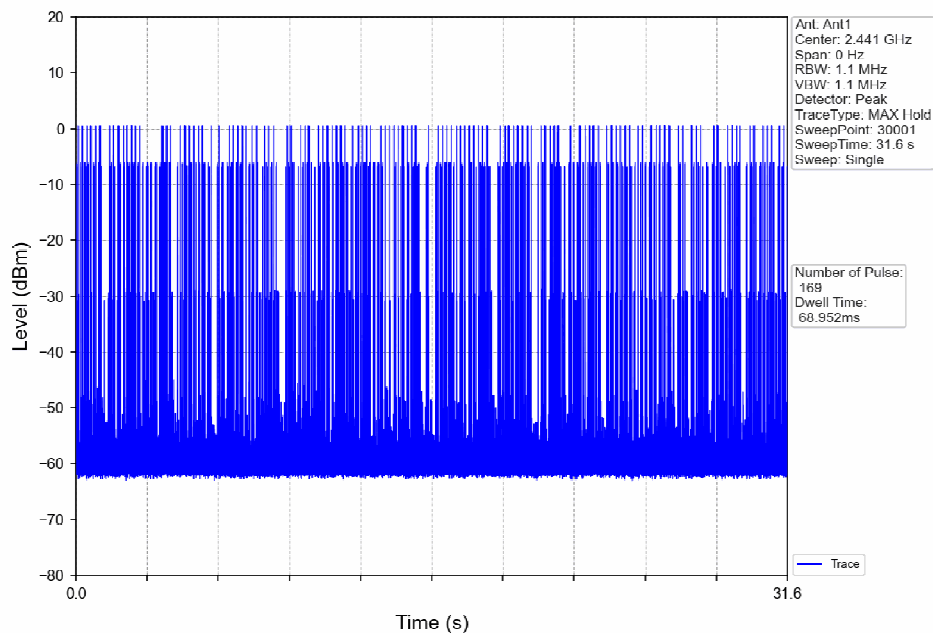
Pi/4DQPSK_2DH5_HOPP_Ant1_NTNV



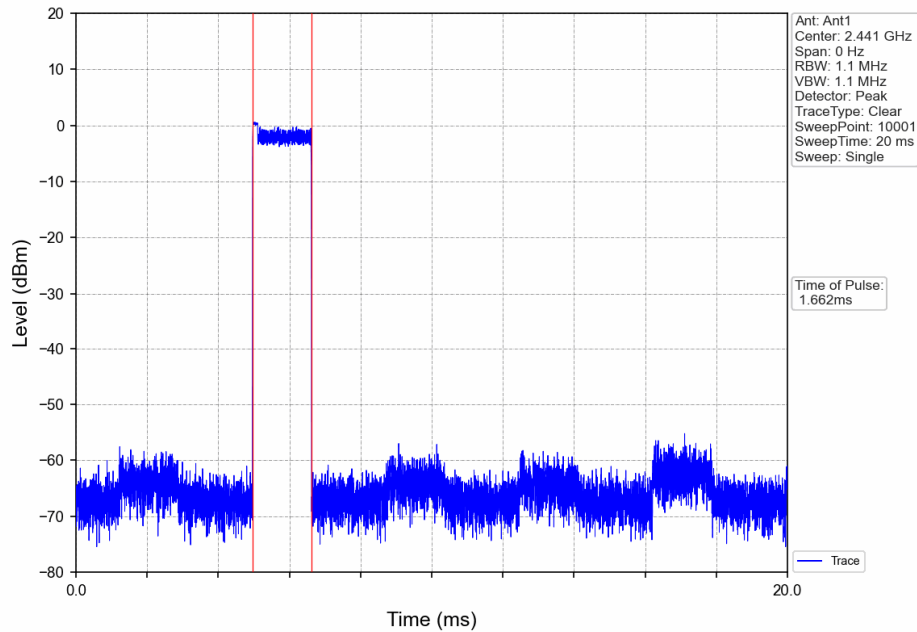
8DPSK_3DH1_HOPP_Ant1_NTNV



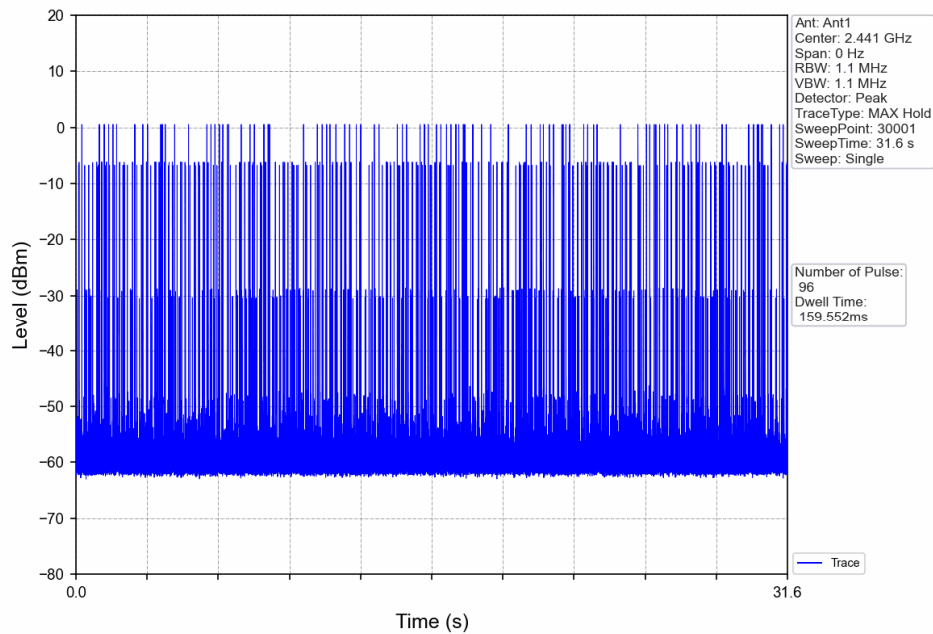
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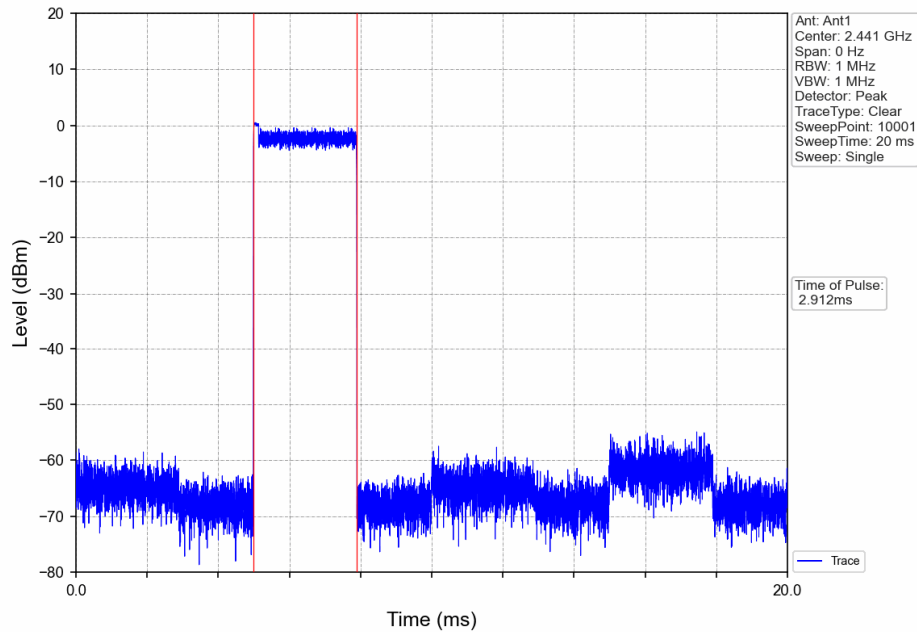
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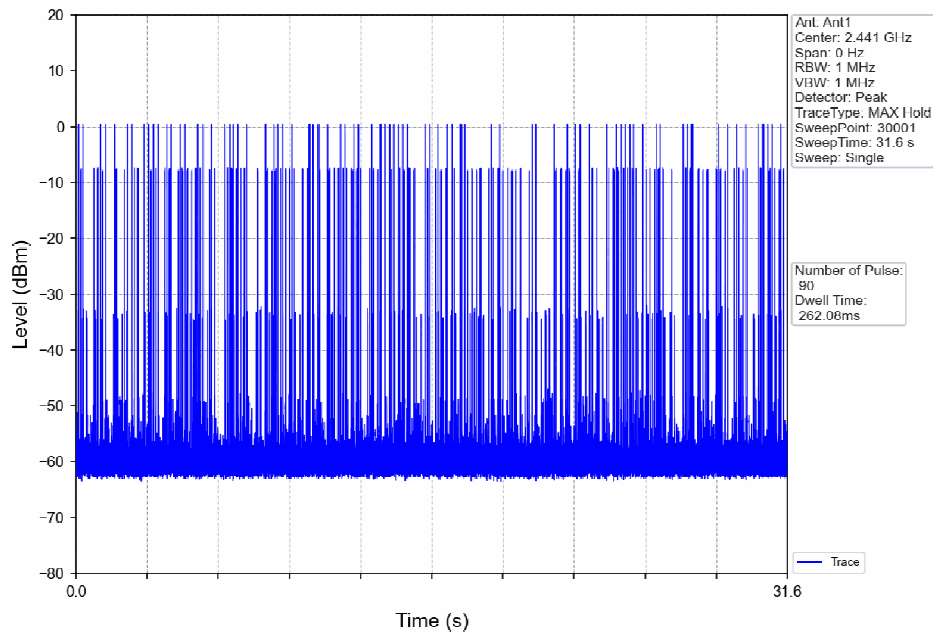
8DPSK_3DH3_HOPP_Ant1_NTNV



8DPSK_3DH5_HOPP_Ant1_NTNV



8DPSK_3DH5_HOPP_Ant1_NTNV



7. Unwanted Emissions In Non-restricted Frequency Bands

7.1 Ref

7.1.1 Test Result

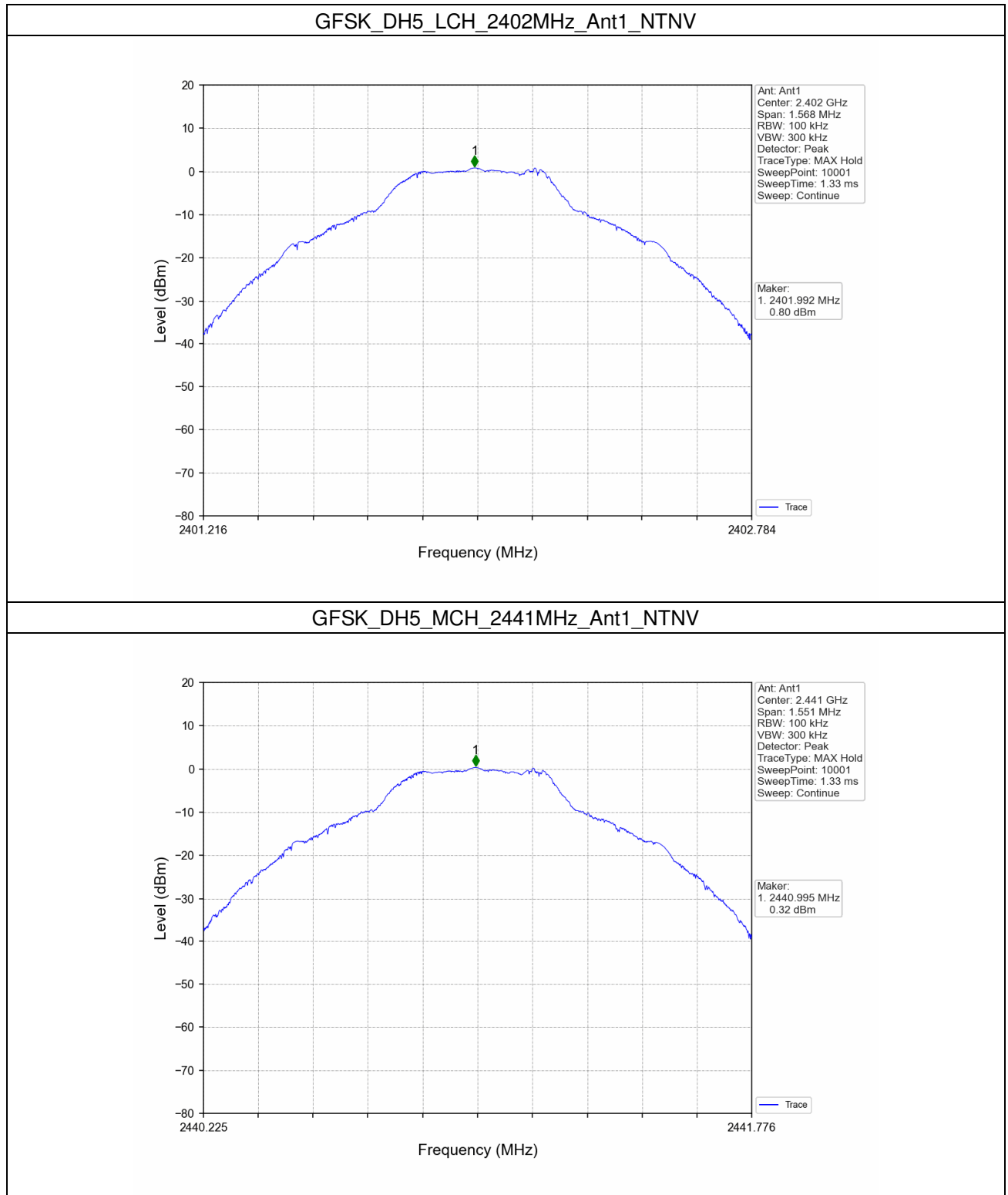
Mode	TX Type	Frequency (MHz)	Packet Type	ANT	Level of Reference (dBm)
GFSK	SISO	2402	DH5	1	0.80
		2441	DH5	1	0.32
		2480	DH5	1	-0.25
Pi/4DQPSK	SISO	2402	2DH5	1	0.84
		2441	2DH5	1	0.34
		2480	2DH5	1	-0.22
8DPSK	SISO	2402	3DH5	1	0.84
		2441	3DH5	1	0.39
		2480	3DH5	1	-0.15



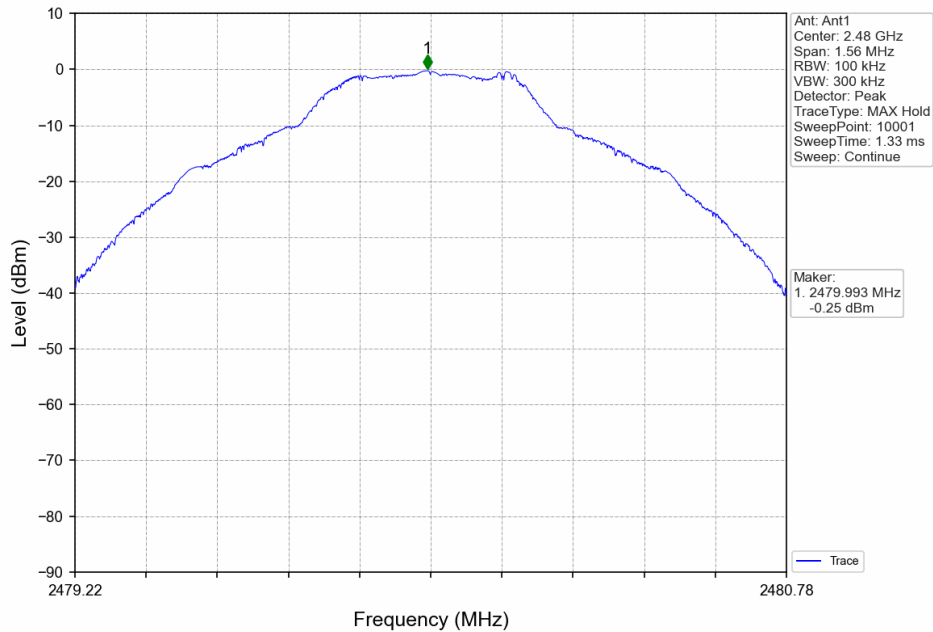
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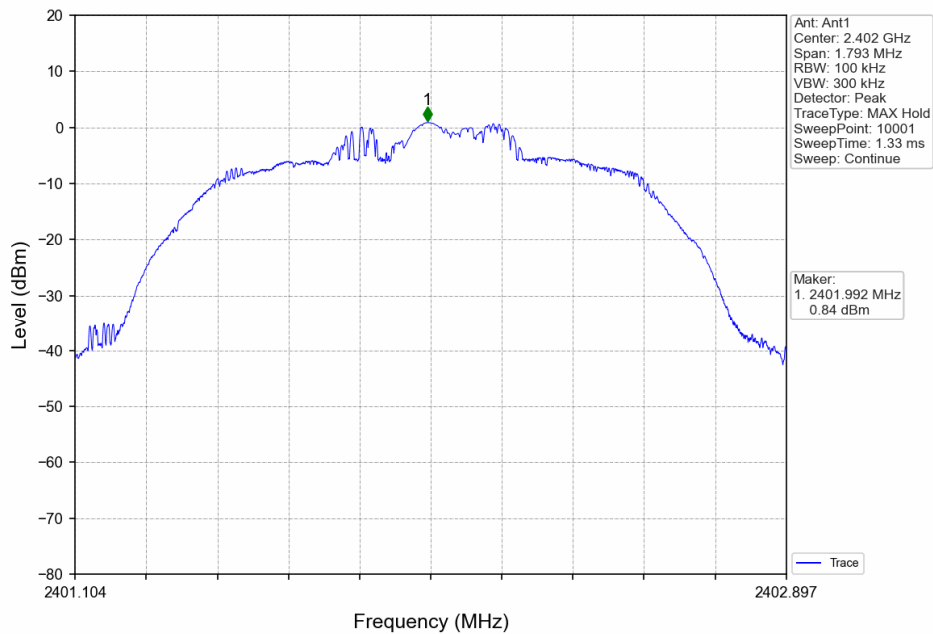
7.1.2 Test Graph



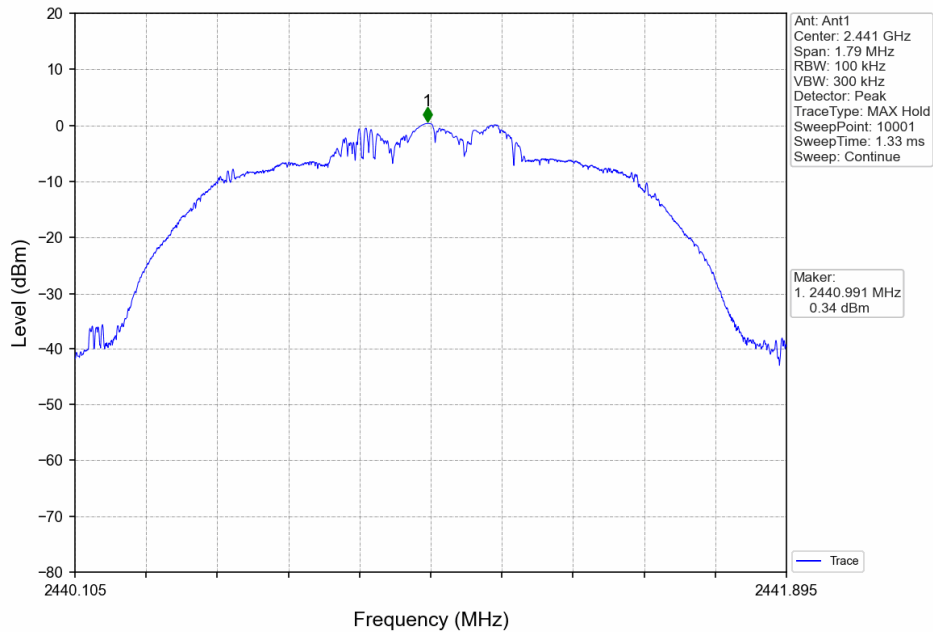
GFSK_DH5_HCH_2480MHz_Ant1_NTNV



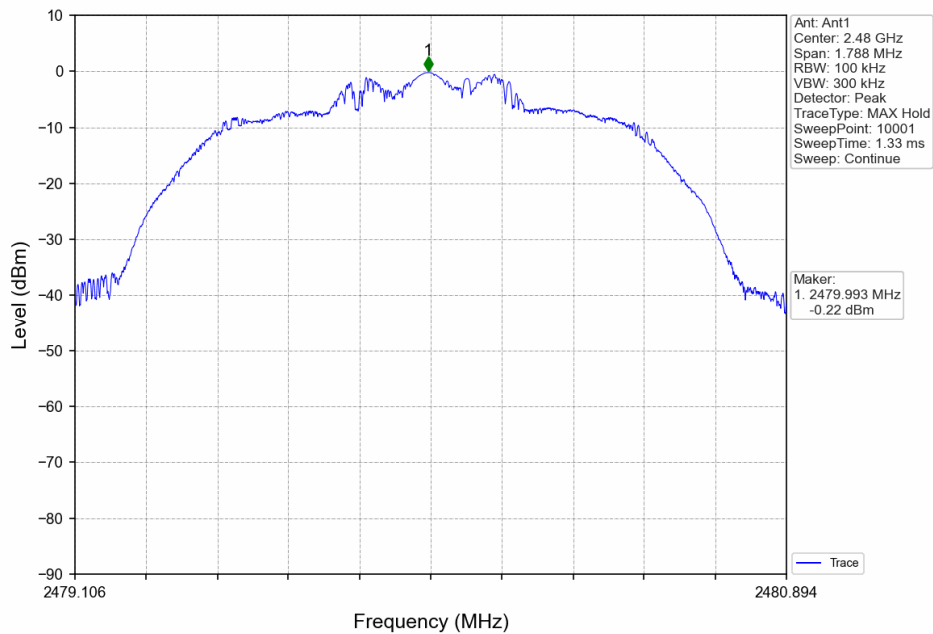
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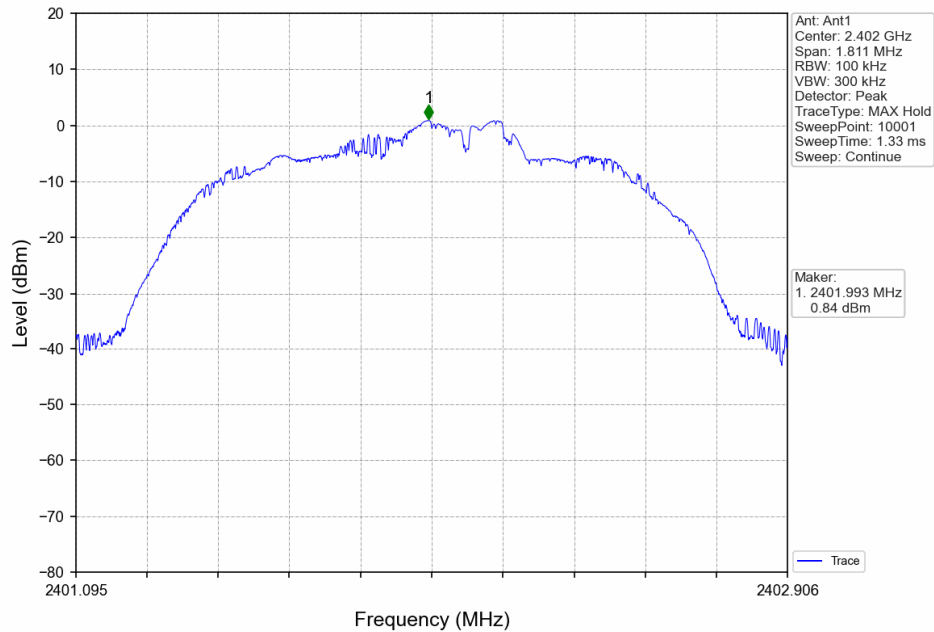
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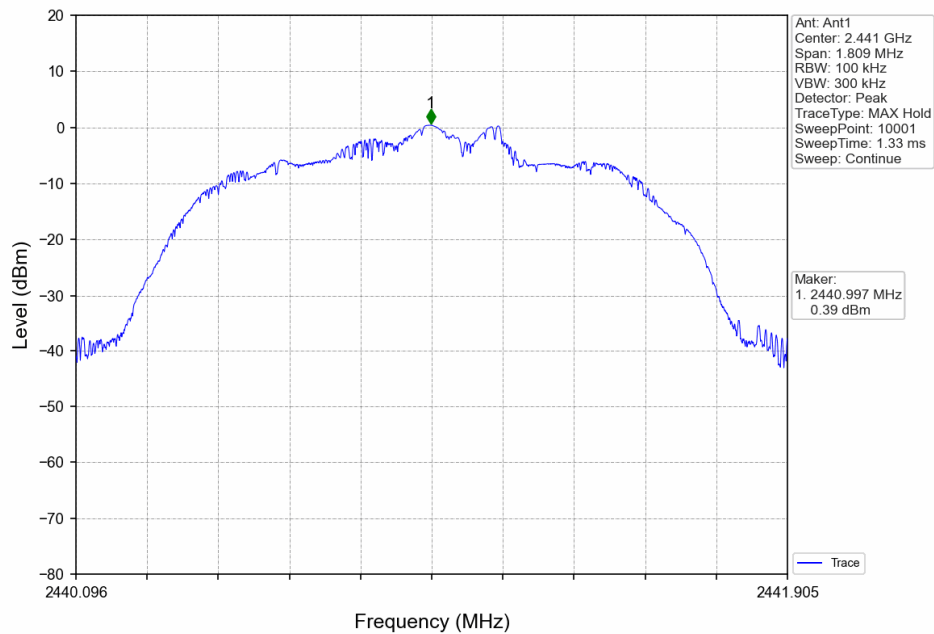
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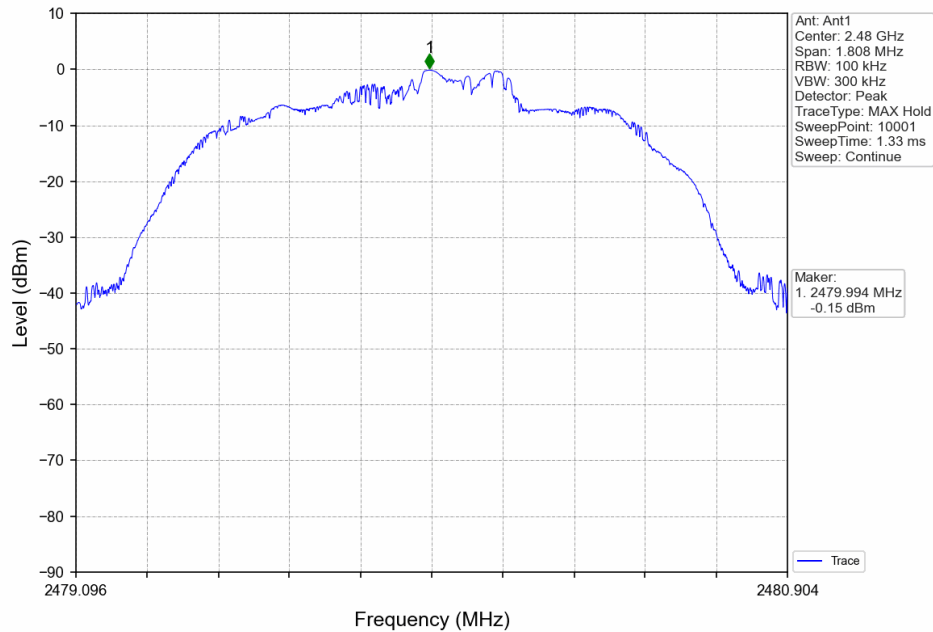
8DPSK_3DH5_LCH_2402MHz_Ant1_NTNV



8DPSK_3DH5_MCH_2441MHz_Ant1_NTNV



8DPSK_3DH5_HCH_2480MHz_Ant1_NTNV



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7.2 CSE

7.2.1 Test Result

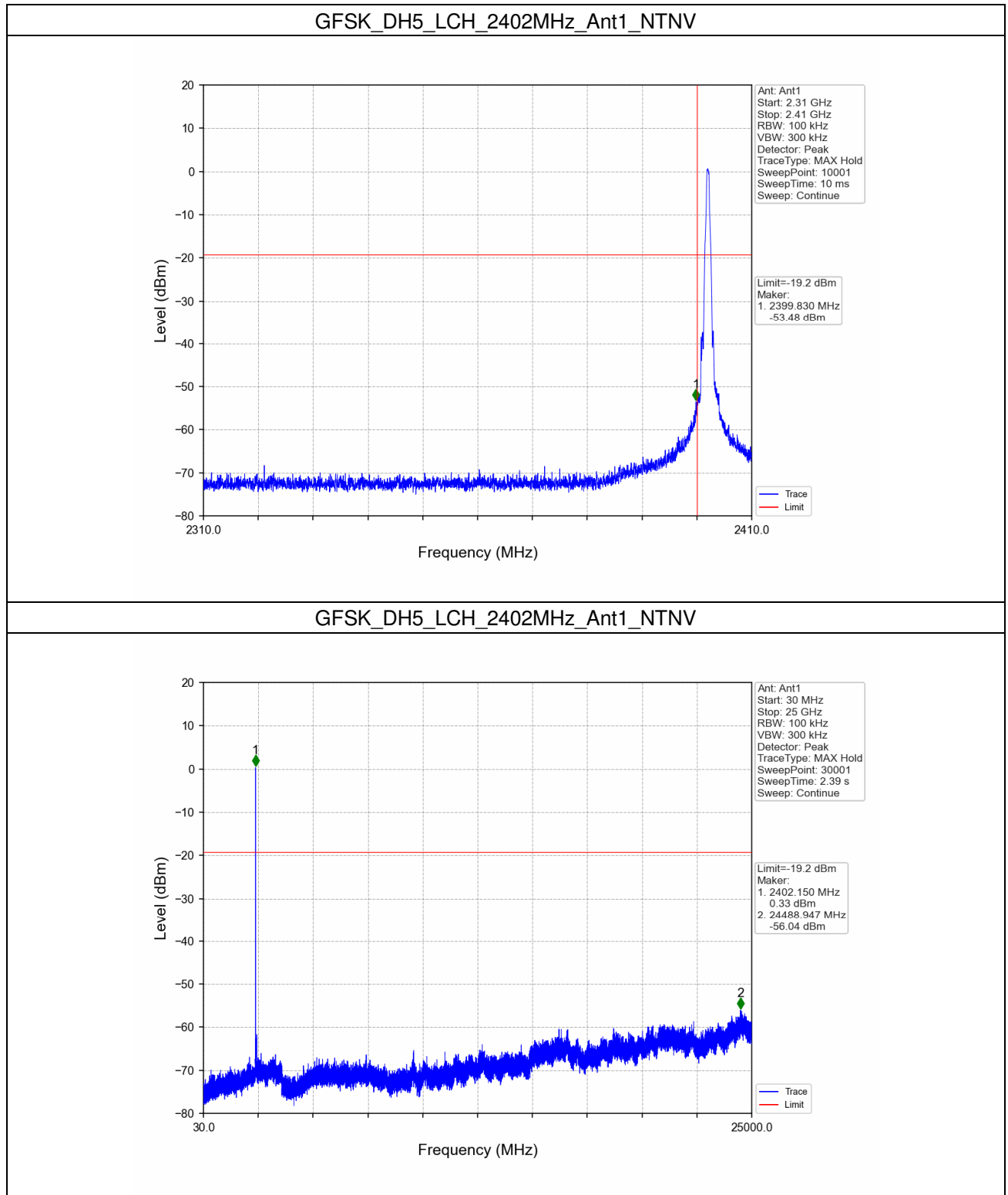
Mode	TX Type	Frequency (MHz)	Packet Type	ANT	Level of Reference (dBm)	Limit (dBm)	Verdict
GFSK	SISO	2402	DH5	1	0.80	-19.20	Pass
		2441	DH5	1	0.80	-19.20	Pass
		2480	DH5	1	0.80	-19.20	Pass
		HOPP	DH5	1	0.80	-19.20	Pass
Pi/4DQPSK	SISO	2402	2DH5	1	0.84	-19.16	Pass
		2441	2DH5	1	0.84	-19.16	Pass
		2480	2DH5	1	0.84	-19.16	Pass
		HOPP	2DH5	1	0.84	-19.16	Pass
8DPSK	SISO	2402	3DH5	1	0.84	-19.16	Pass
		2441	3DH5	1	0.84	-19.16	Pass
		2480	3DH5	1	0.84	-19.16	Pass
		HOPP	3DH5	1	0.84	-19.16	Pass



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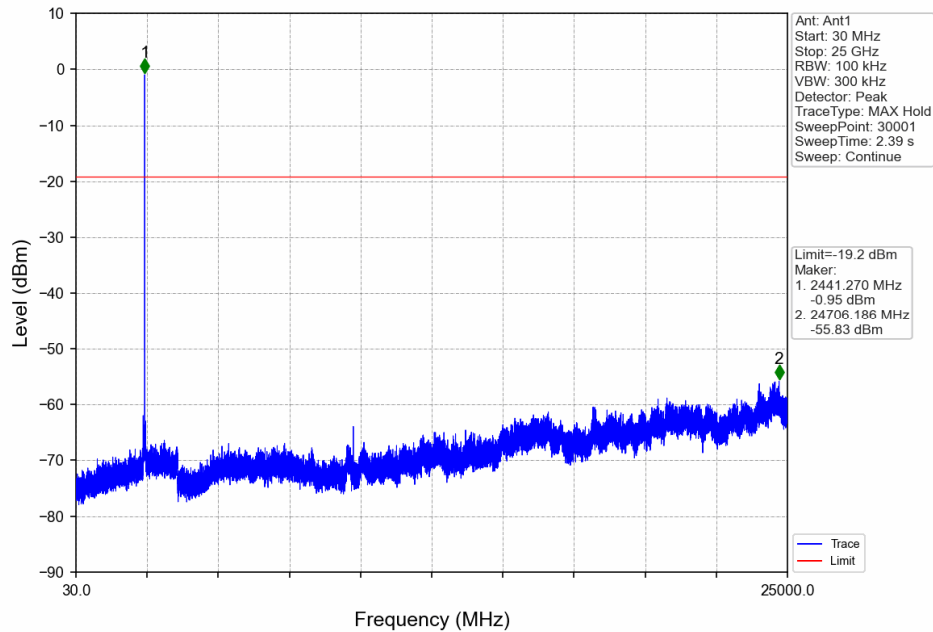
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7.2.2 Test Graph

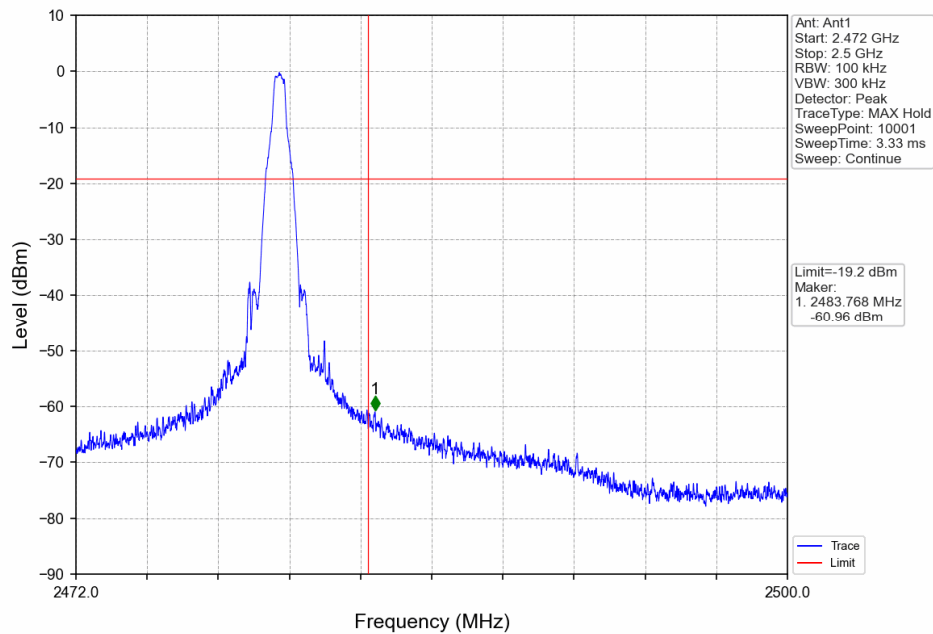


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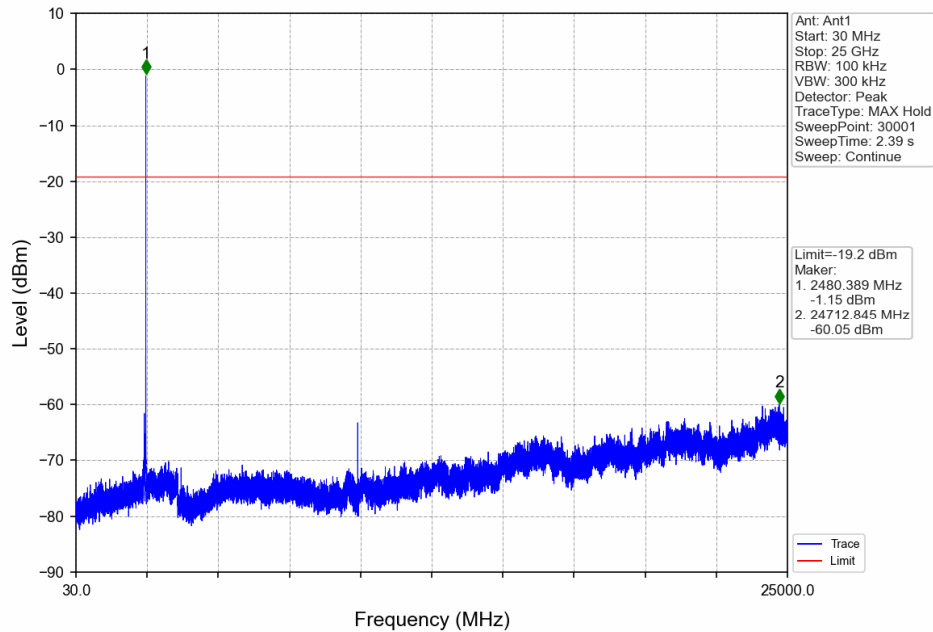
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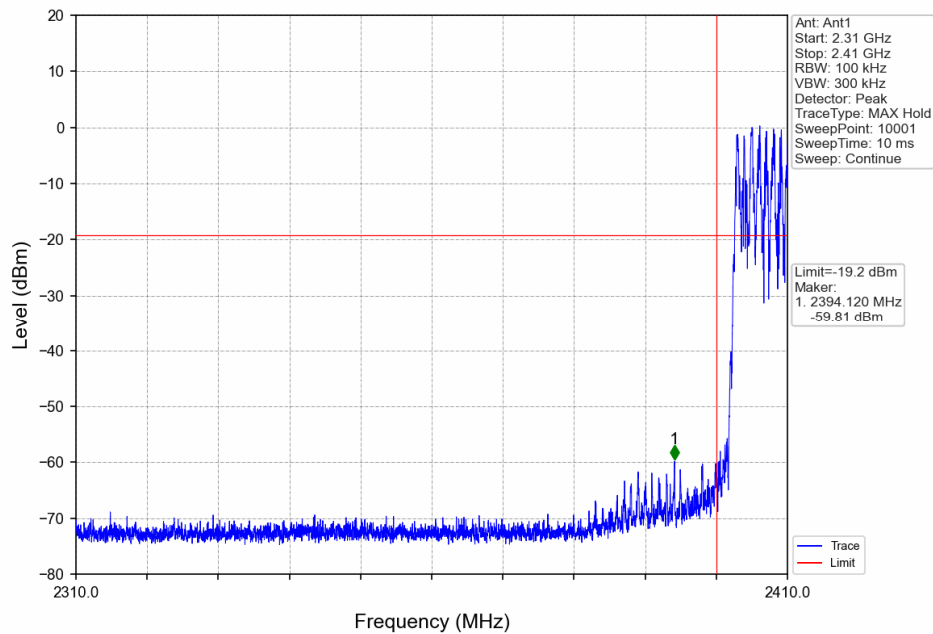
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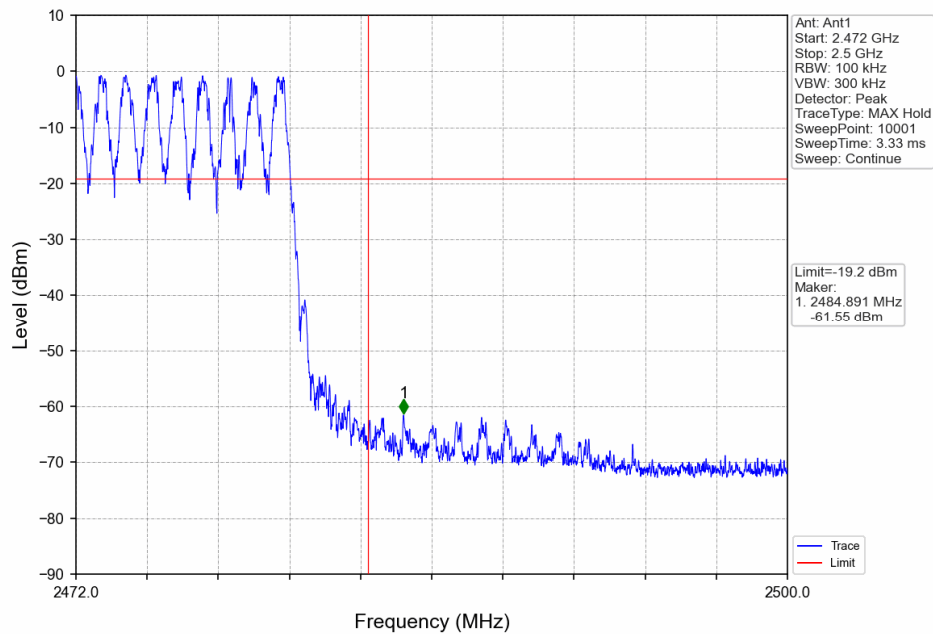
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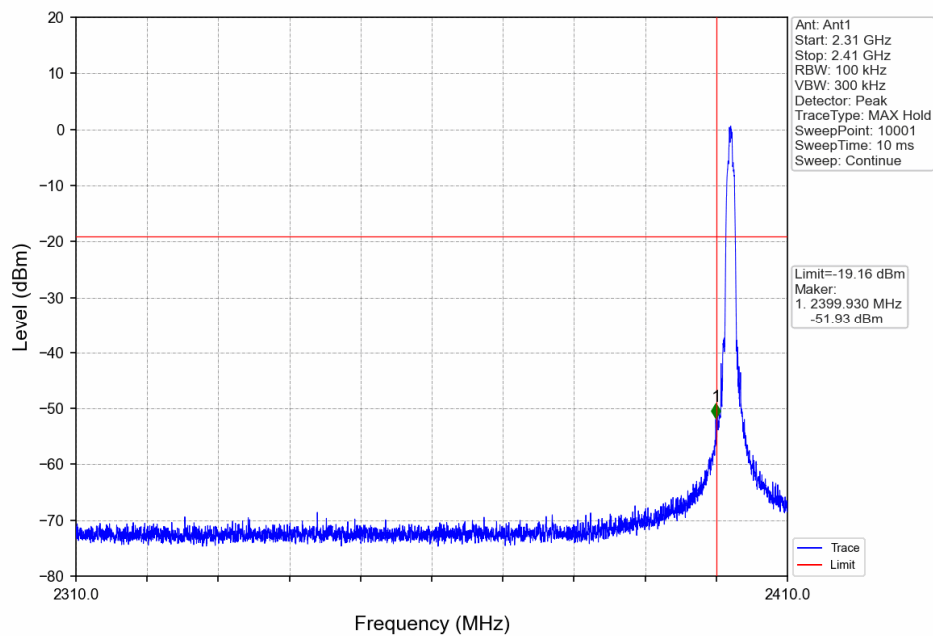
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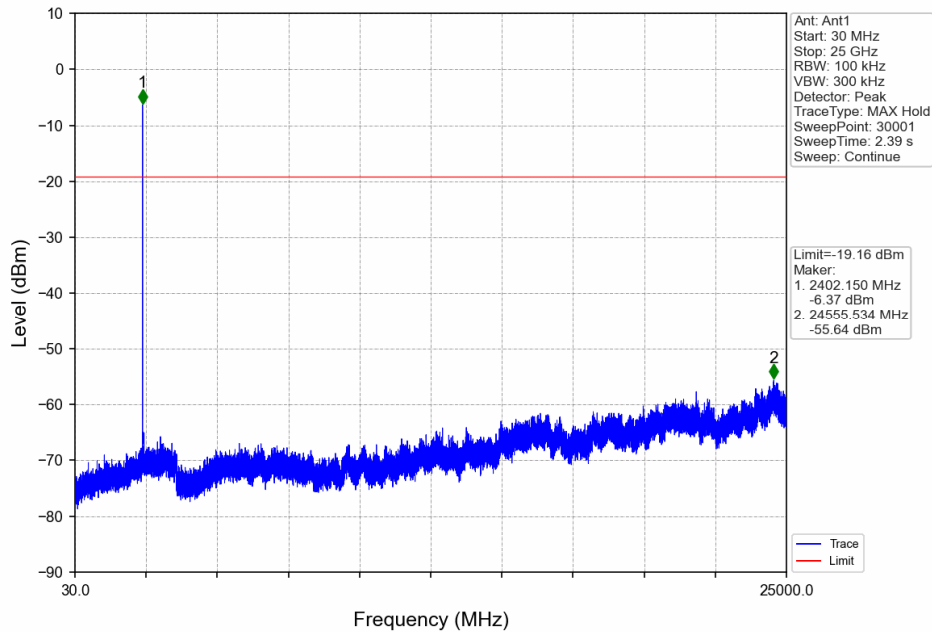
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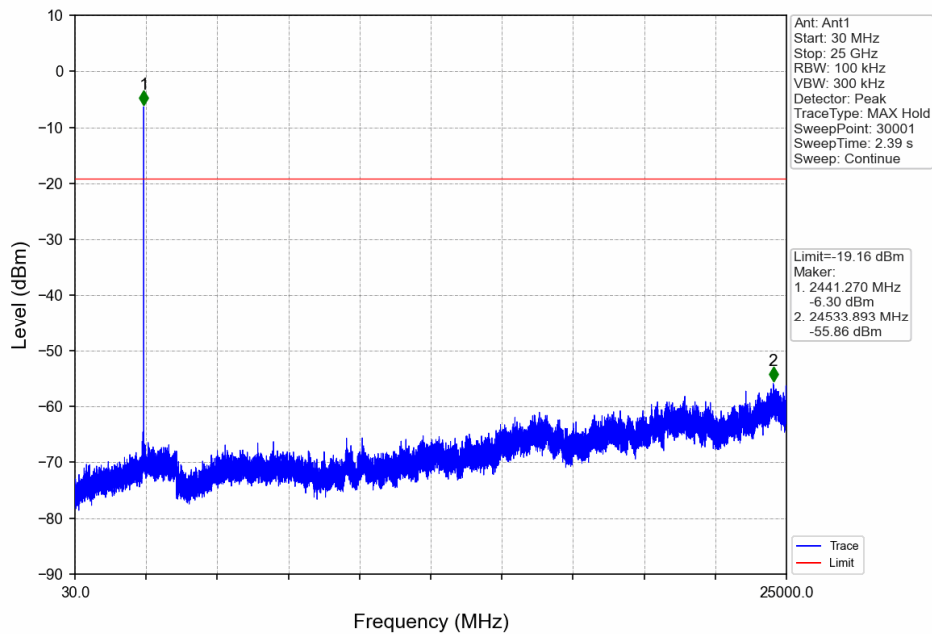
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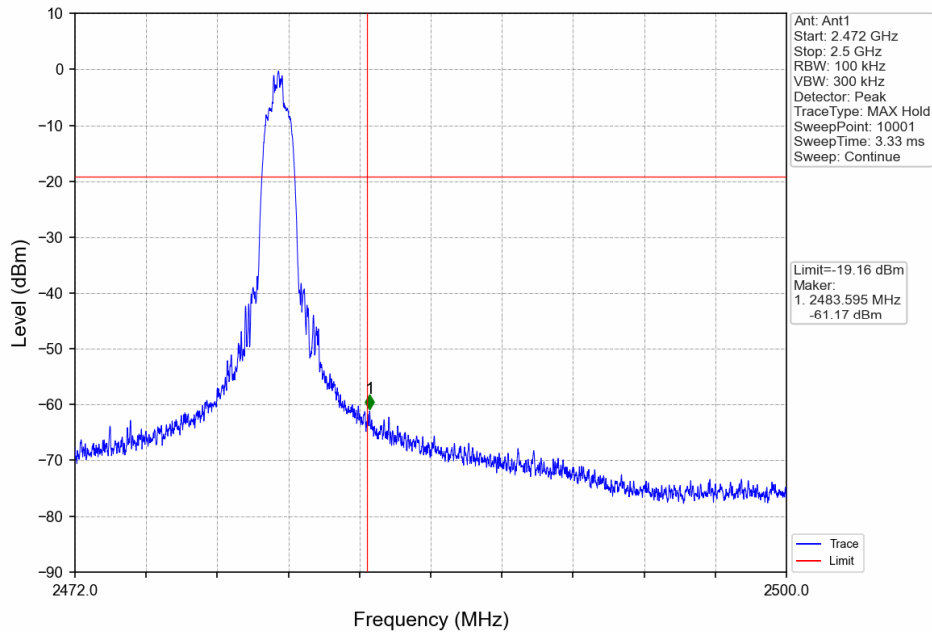
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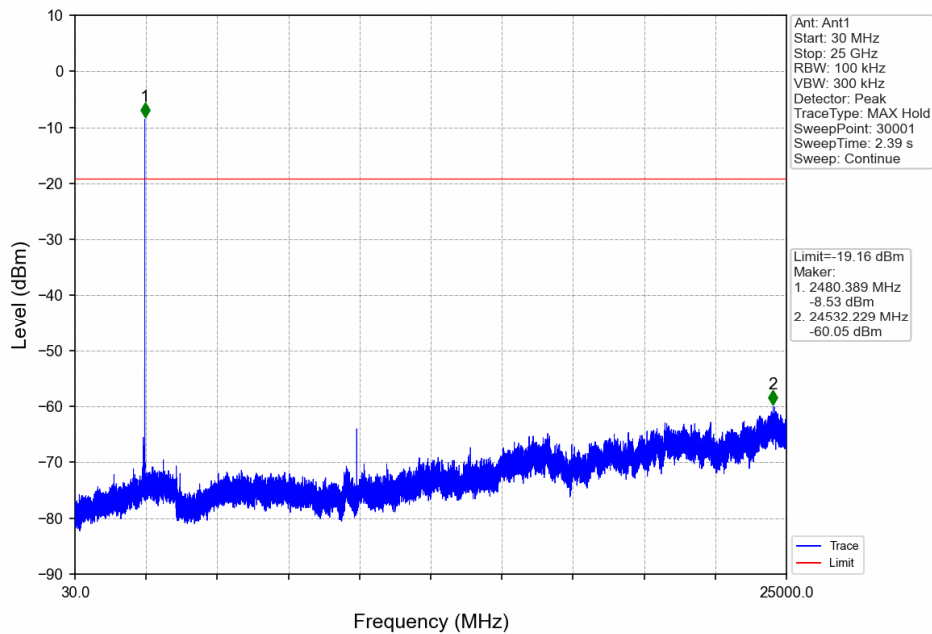
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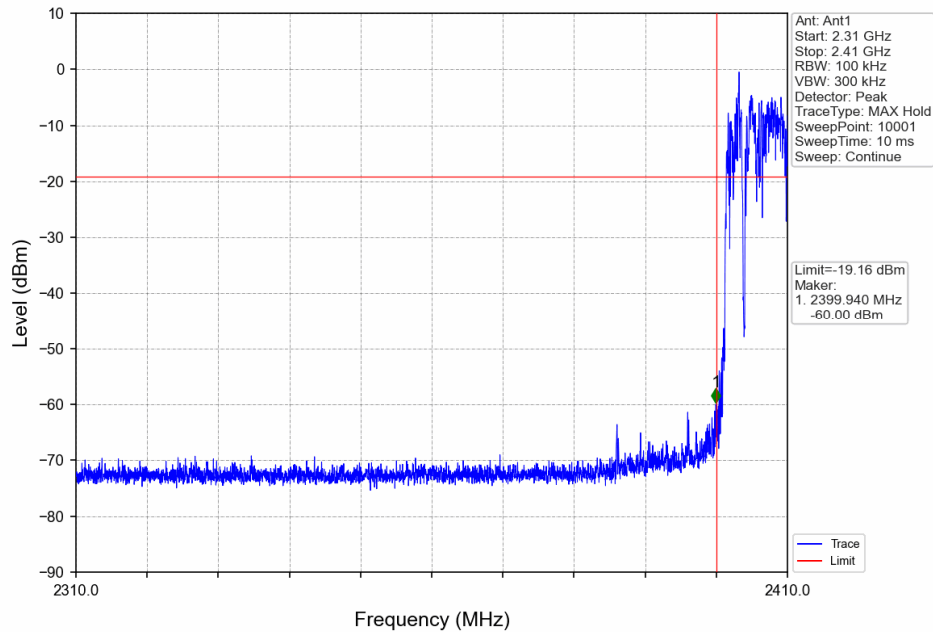
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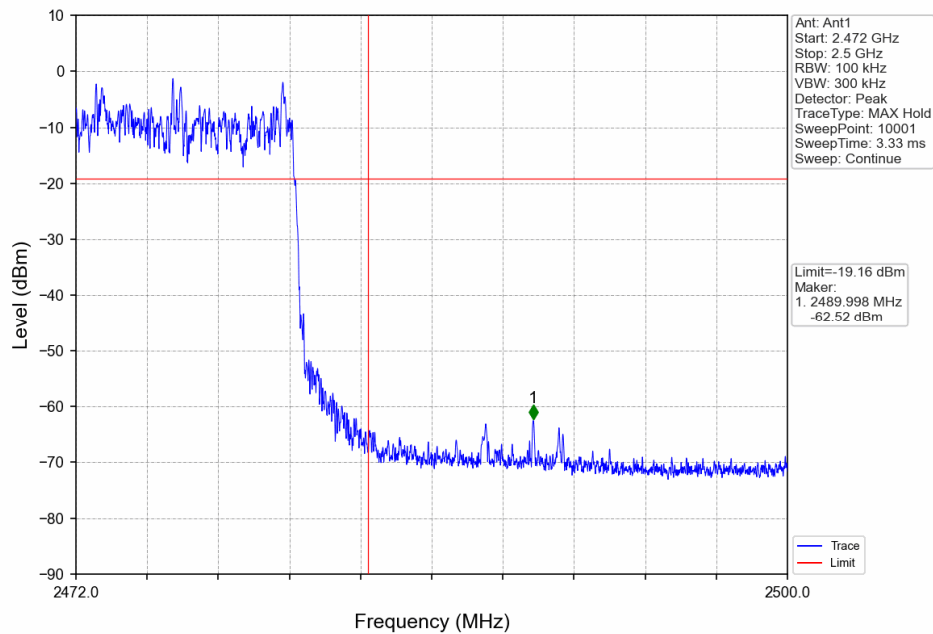
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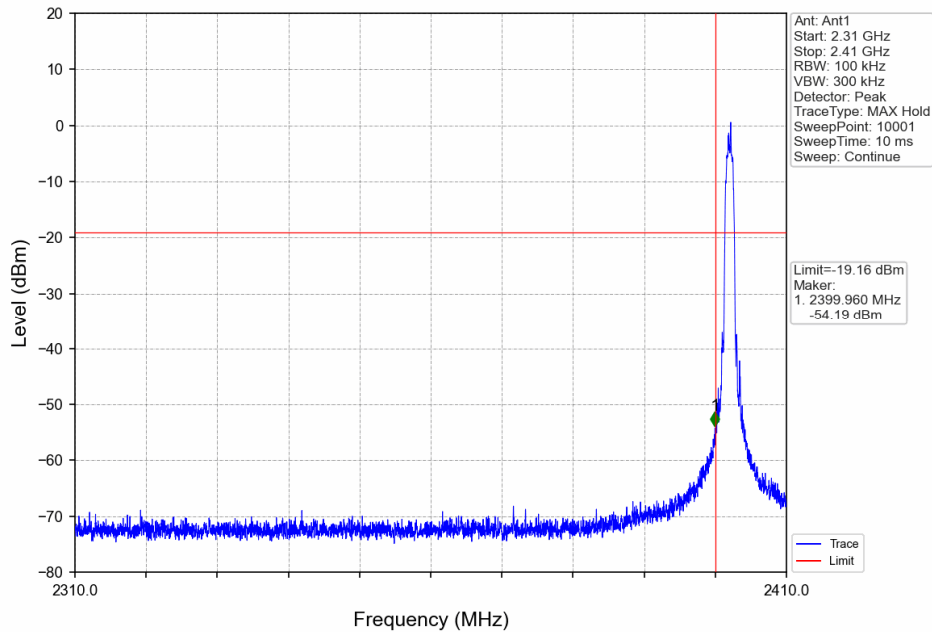
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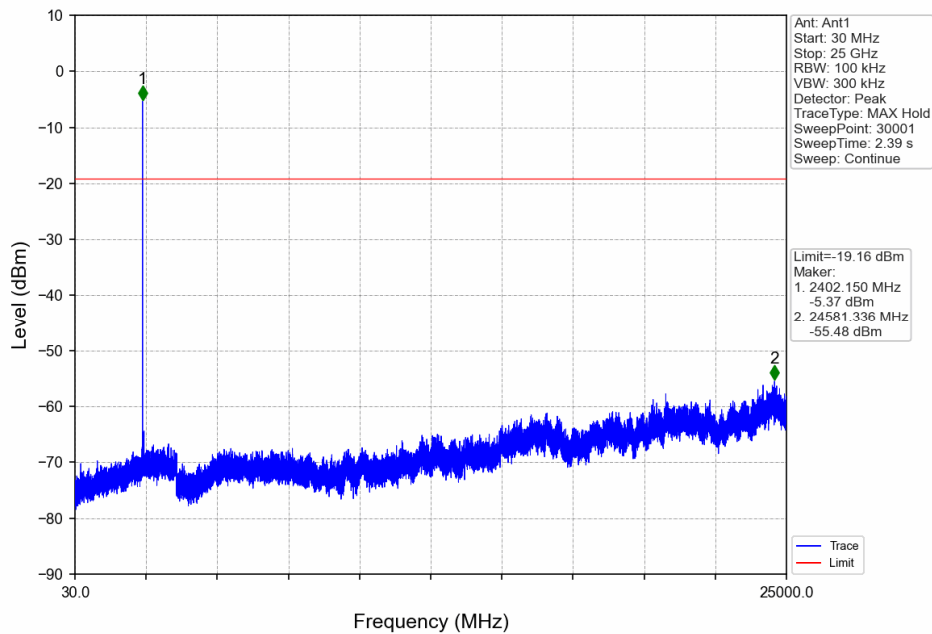
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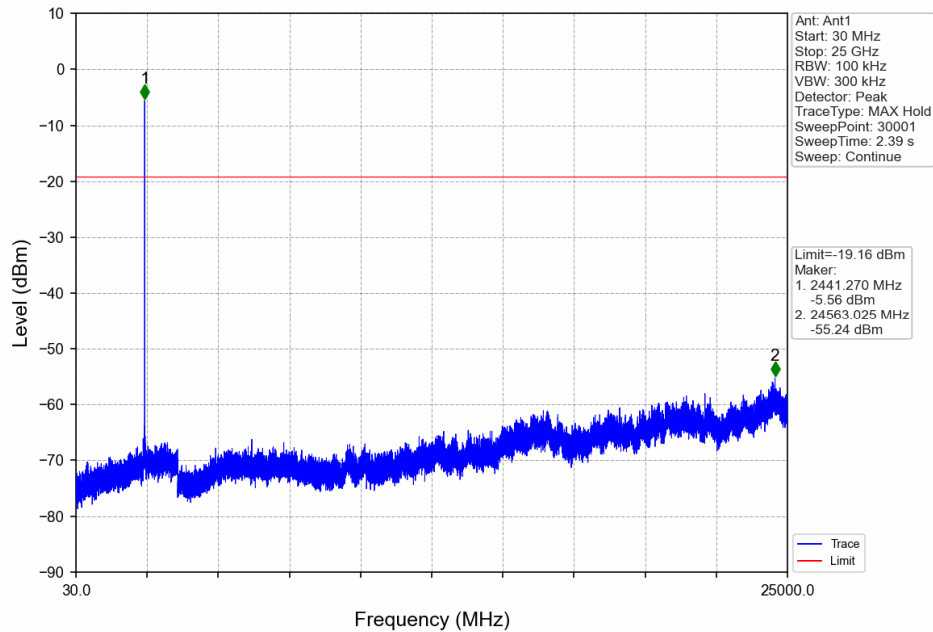
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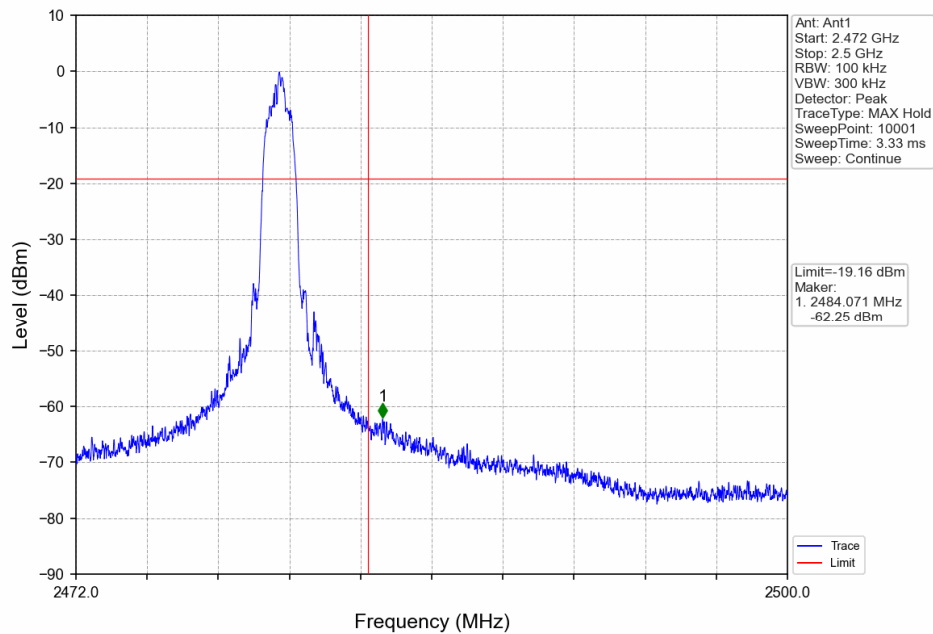
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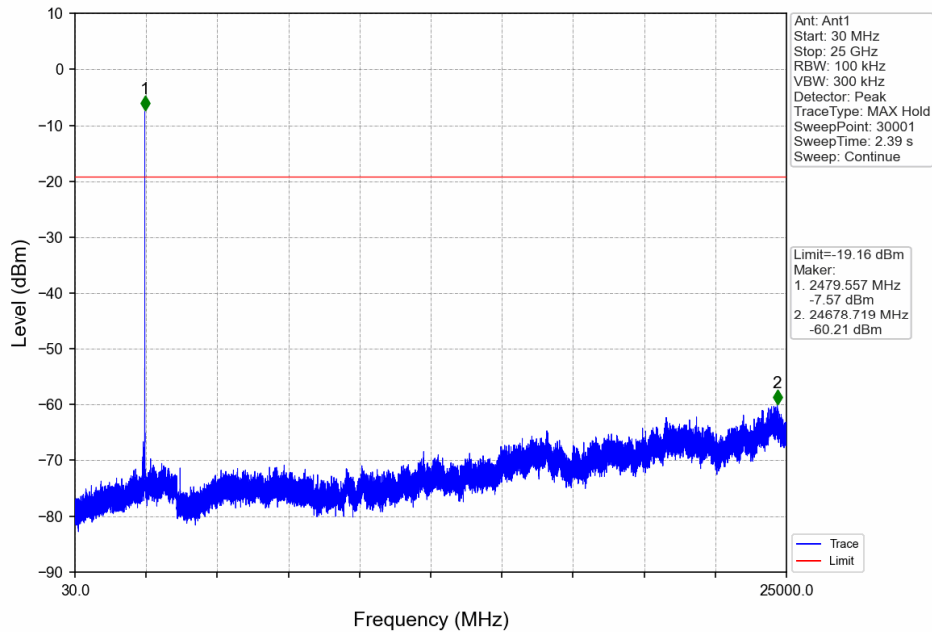
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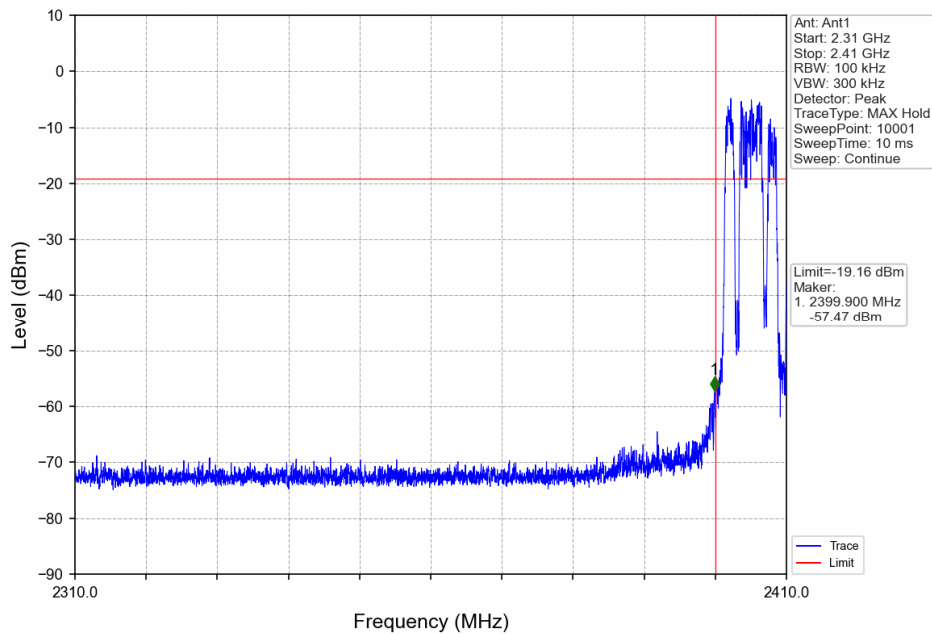
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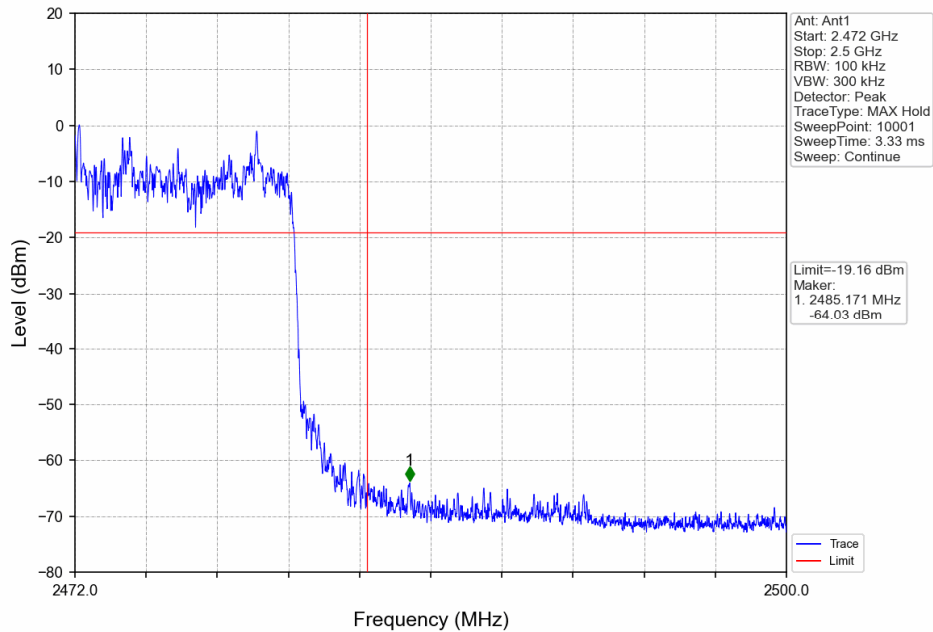
8DPSK_3DH5_HCH_2480MHz_Ant1_NTNV



8DPSK_3DH5_HOPP_Ant1_NTNV



8DPSK_3DH5_HOPP_Ant1_NTNV



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8. Form731

8.1 Form731

8.1.1 Test Result

Lower Freq (MHz)	High Freq (MHz)	MAX Power (W)	MAX Power (dBm)
2402	2480	0.0013	1.12

- End of the Report -