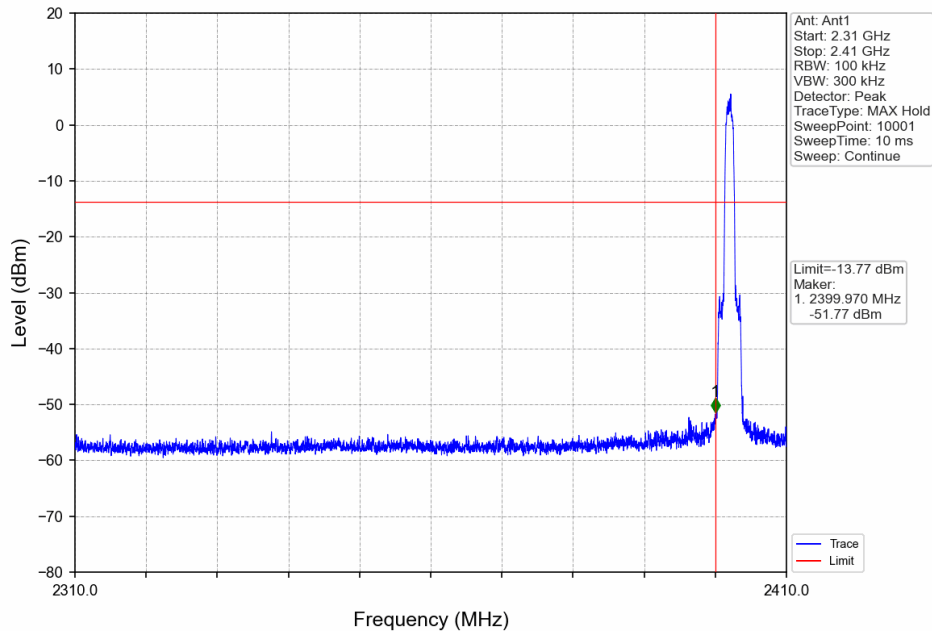
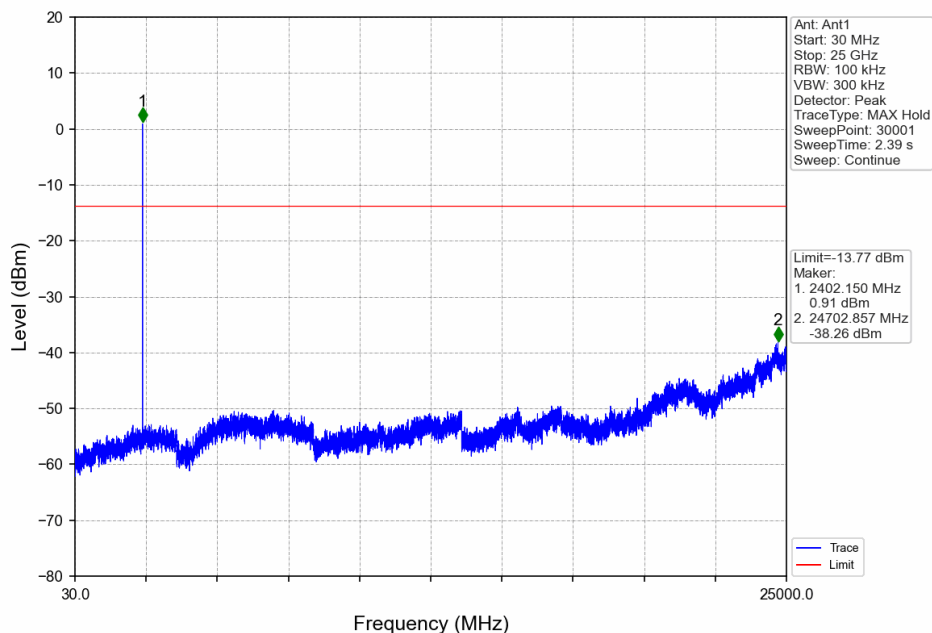


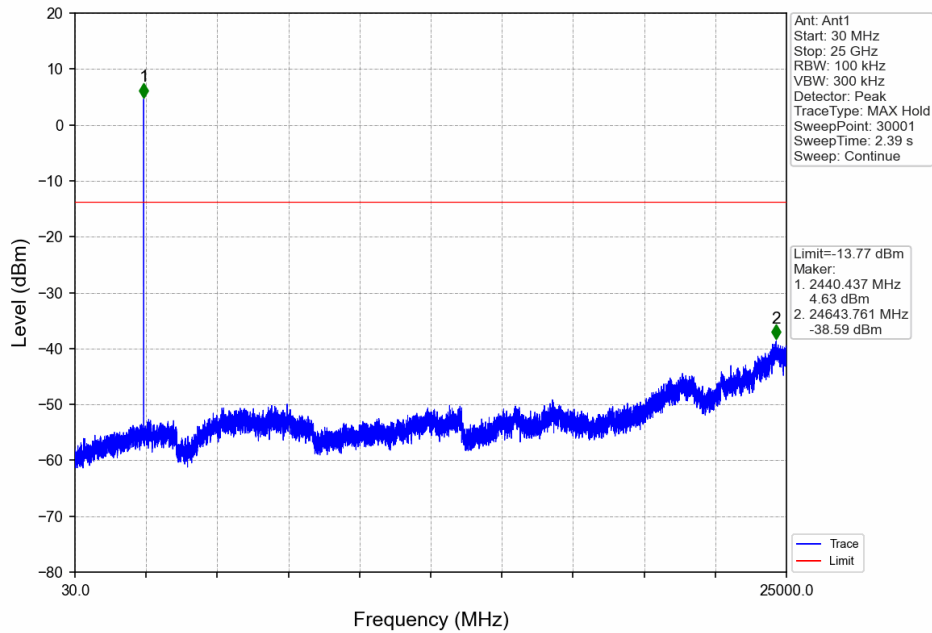
8DPSK_3DH5_LCH_2402MHz_Ant1_NTNV



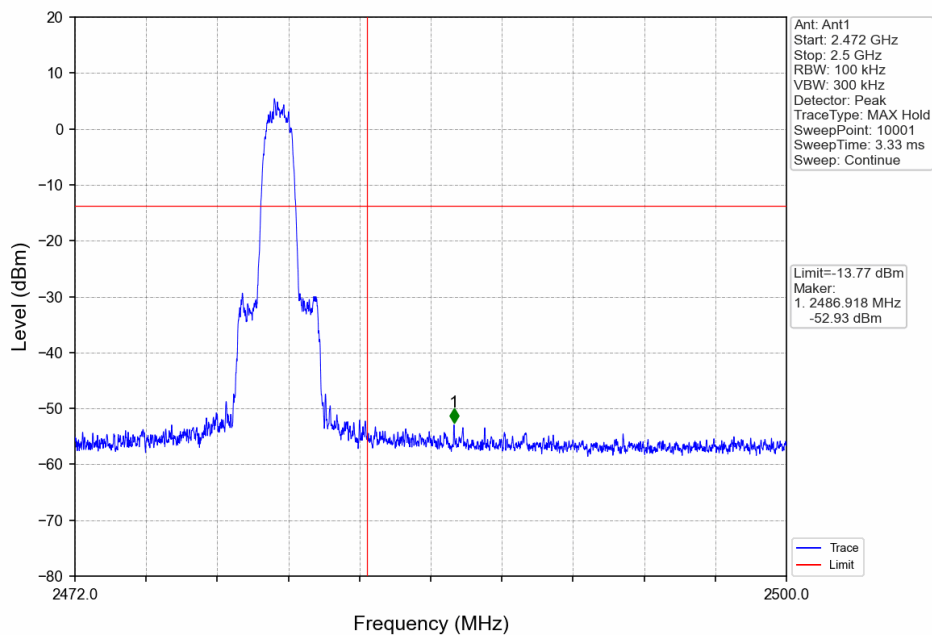
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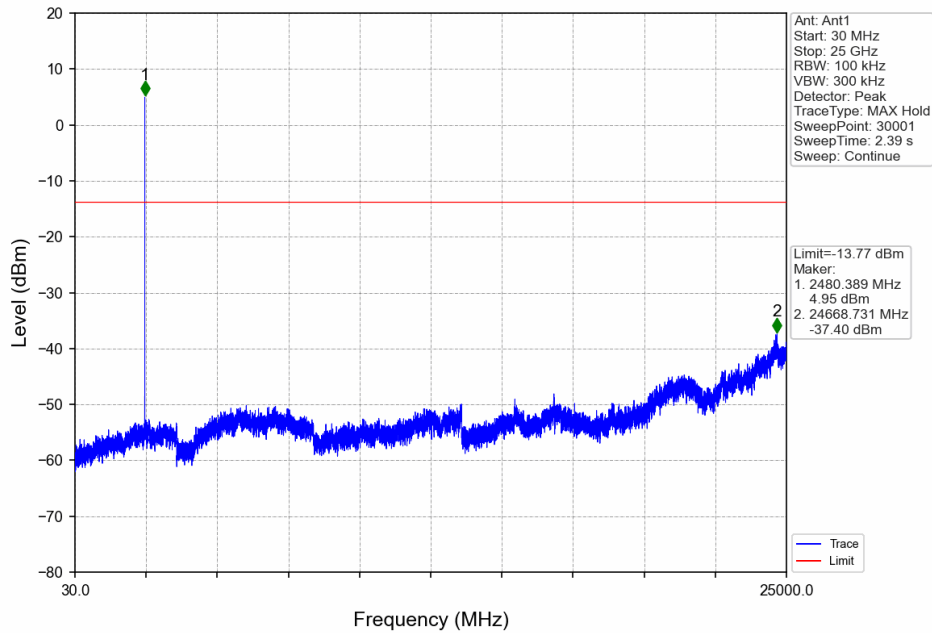
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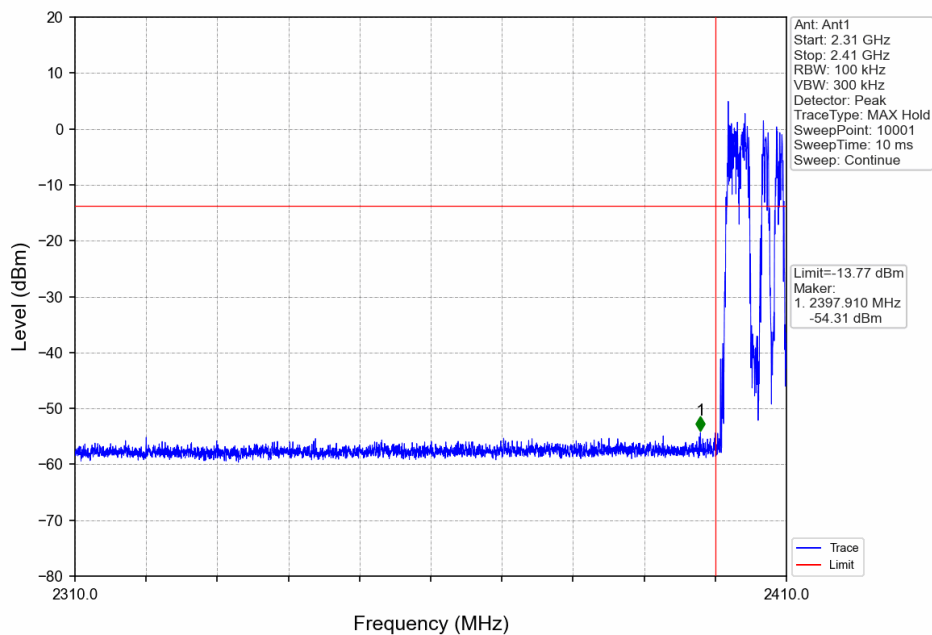
8DPSK_3DH5_HCH_2480MHz_Ant1_NTNV



8DPSK_3DH5_HCH_2480MHz_Ant1_NTNV



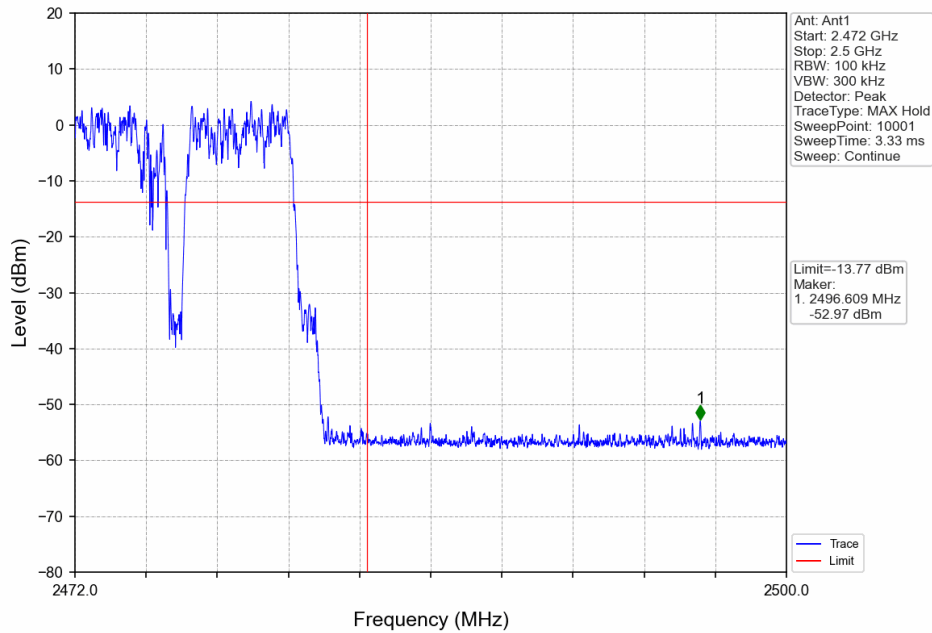
8DPSK_3DH5_HOPP_Ant1_NTNV



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8DPSK_3DH5_HOPP_Ant1_NTNV



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Left Earbuds

1. Bandwidth

1.1 OBW

1.1.1 Test Result

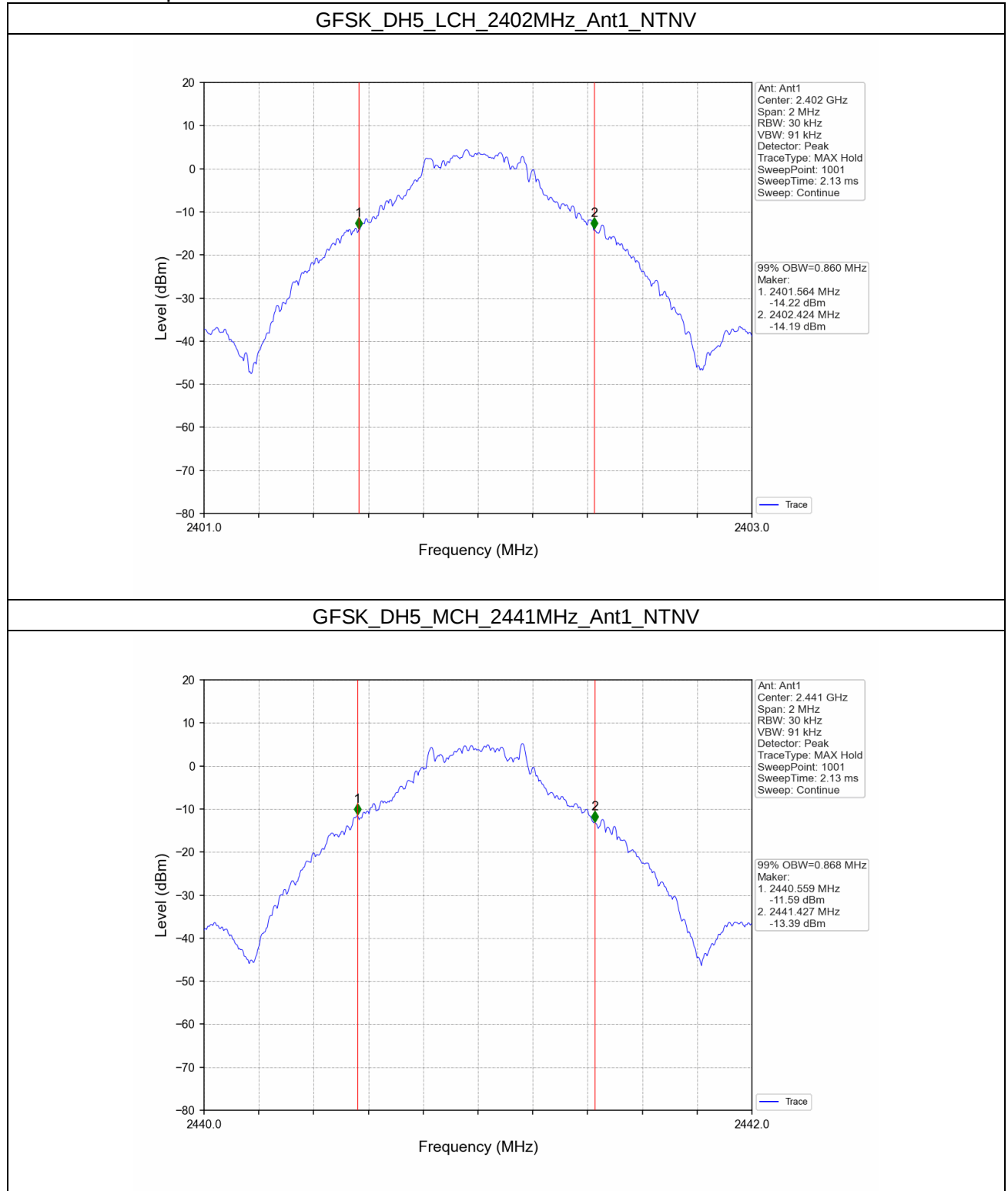
Mode	TX Type	Frequency (MHz)	Packet Type	ANT	99% Occupied Bandwidth (MHz)	Verdict
					Result	
GFSK	SISO	2402	DH5	1	0.860	Pass
		2441	DH5	1	0.868	Pass
		2480	DH5	1	0.870	Pass
Pi/4DQPSK	SISO	2402	2DH5	1	1.188	Pass
		2441	2DH5	1	1.186	Pass
		2480	2DH5	1	1.174	Pass
8DPSK	SISO	2402	3DH5	1	1.180	Pass
		2441	3DH5	1	1.189	Pass
		2480	3DH5	1	1.177	Pass



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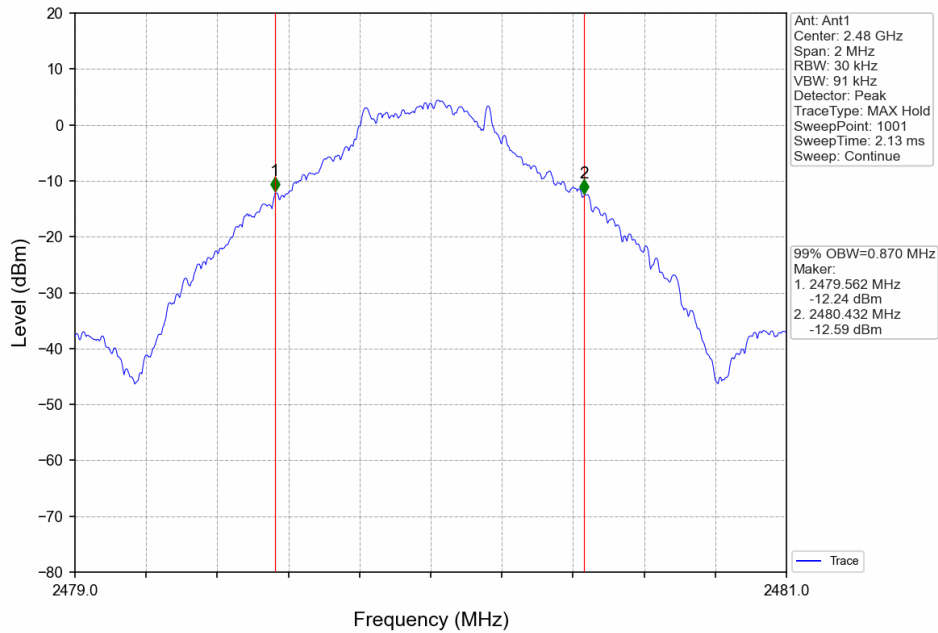
1.1.2 Test Graph



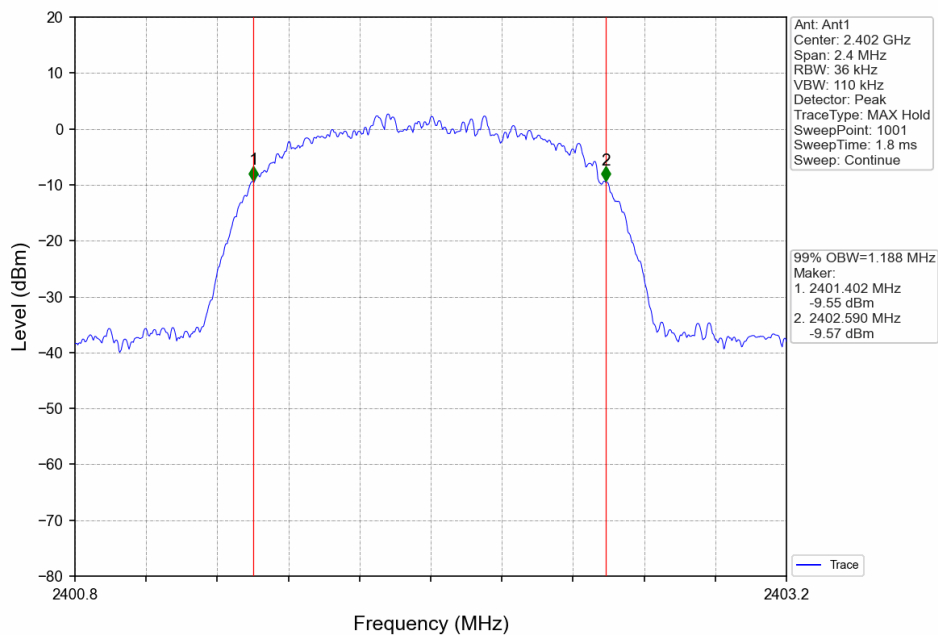
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GFSK_DH5_HCH_2480MHz_Ant1_NTNV



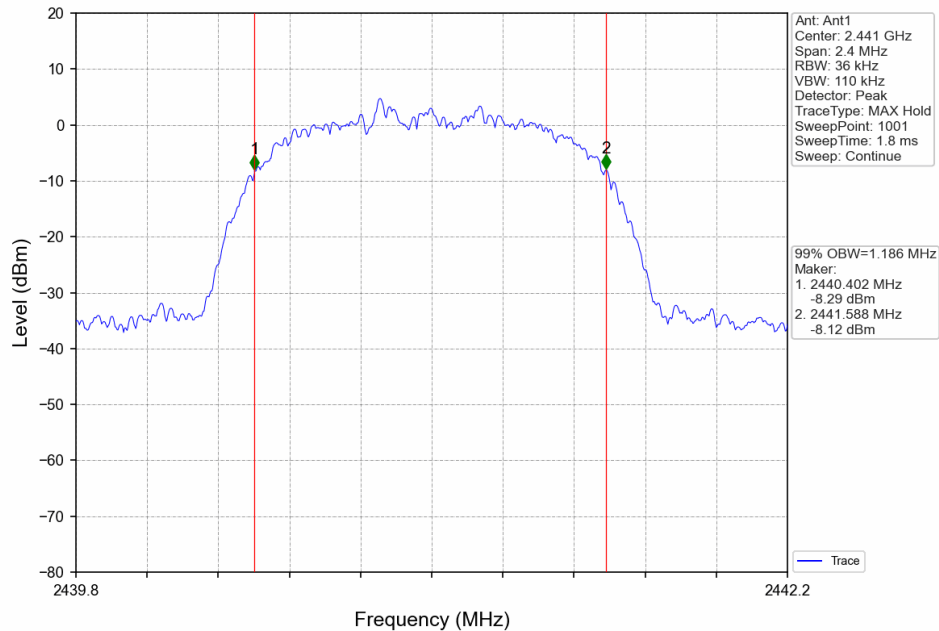
Pi/4DQPSK_2DH5_LCH_2402MHz_Ant1_NTNV



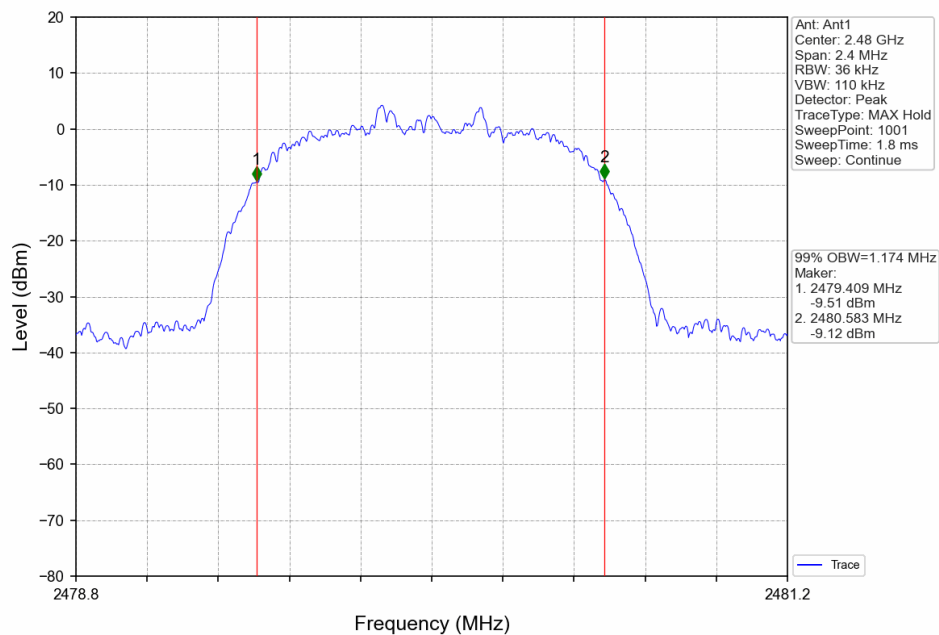
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Pi/4DQPSK_2DH5_MCH_2441MHz_Ant1_NTNV



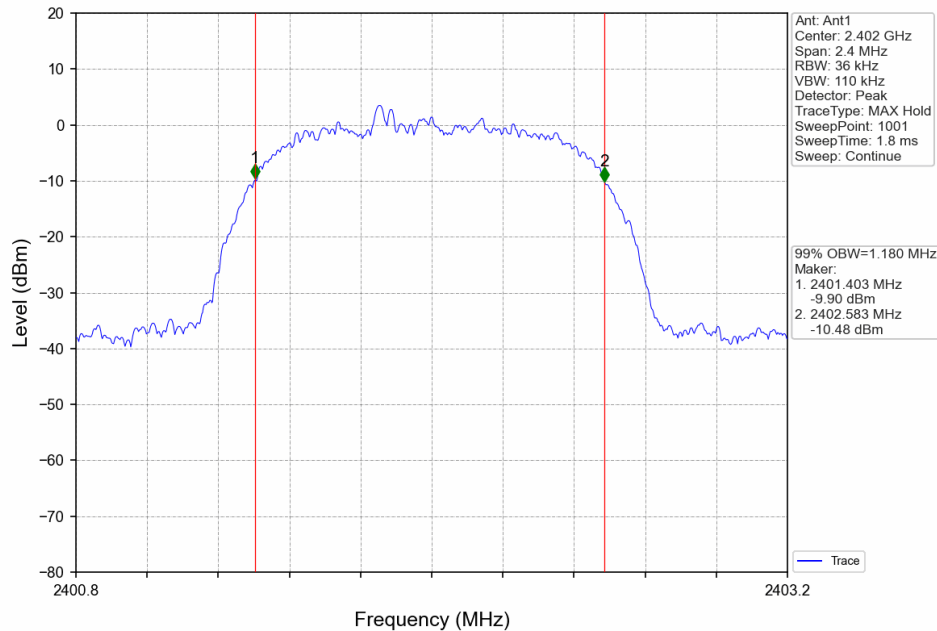
Pi/4DQPSK_2DH5_HCH_2480MHz_Ant1_NTNV



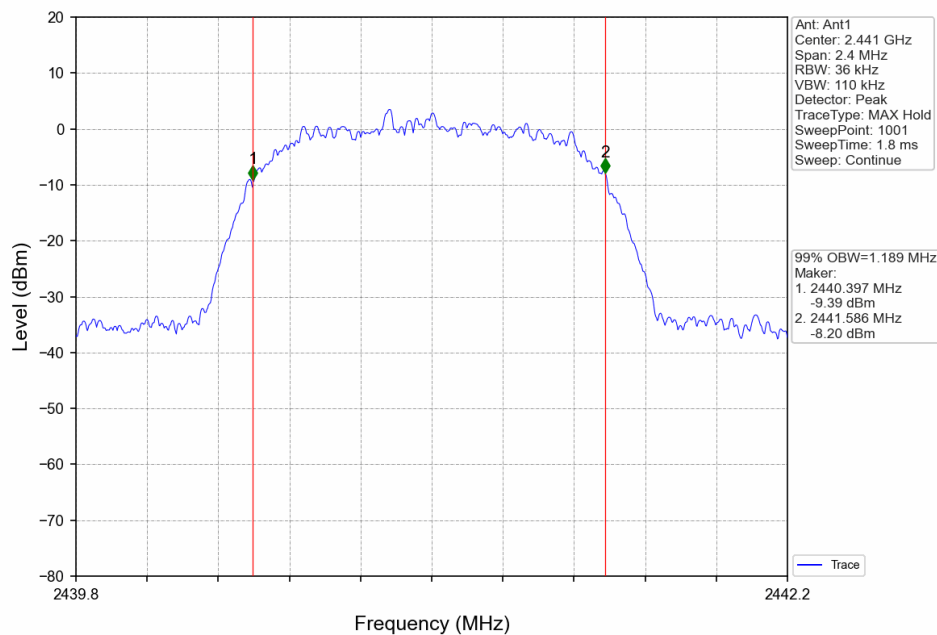
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8DPSK_3DH5_LCH_2402MHz_Ant1_NTNV



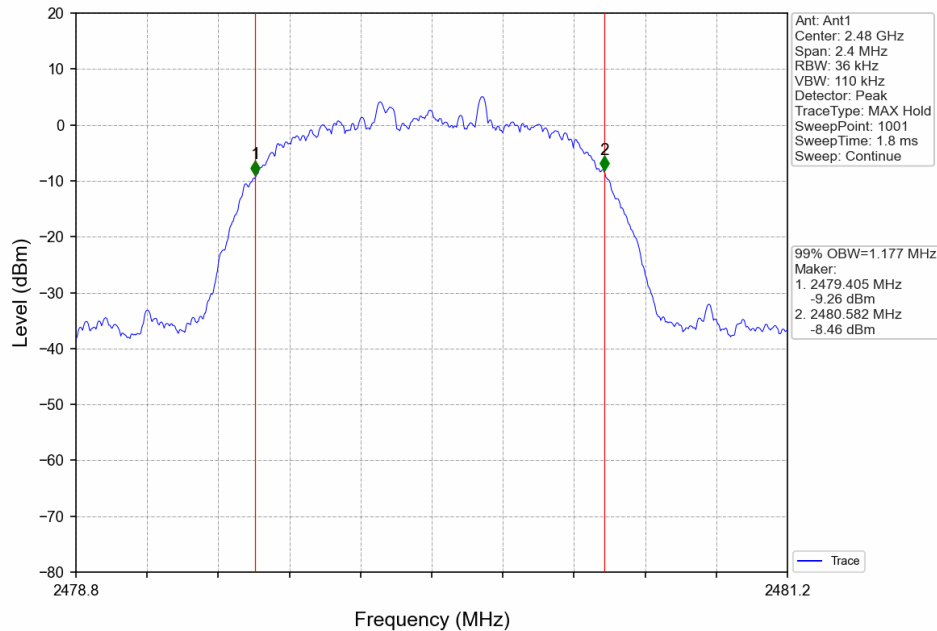
8DPSK_3DH5_MCH_2441MHz_Ant1_NTNV



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8DPSK_3DH5_HCH_2480MHz_Ant1_NTNV



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1.2 20dB BW

1.2.1 Test Result

Mode	TX Type	Frequency (MHz)	Packet Type	ANT	20dB Bandwidth (MHz)	Verdict
					Result	
GFSK	SISO	2402	DH5	1	0.986	Pass
		2441	DH5	1	0.976	Pass
		2480	DH5	1	0.983	Pass
Pi/4DQPSK	SISO	2402	2DH5	1	1.290	Pass
		2441	2DH5	1	1.311	Pass
		2480	2DH5	1	1.315	Pass
8DPSK	SISO	2402	3DH5	1	1.315	Pass
		2441	3DH5	1	1.303	Pass
		2480	3DH5	1	1.322	Pass

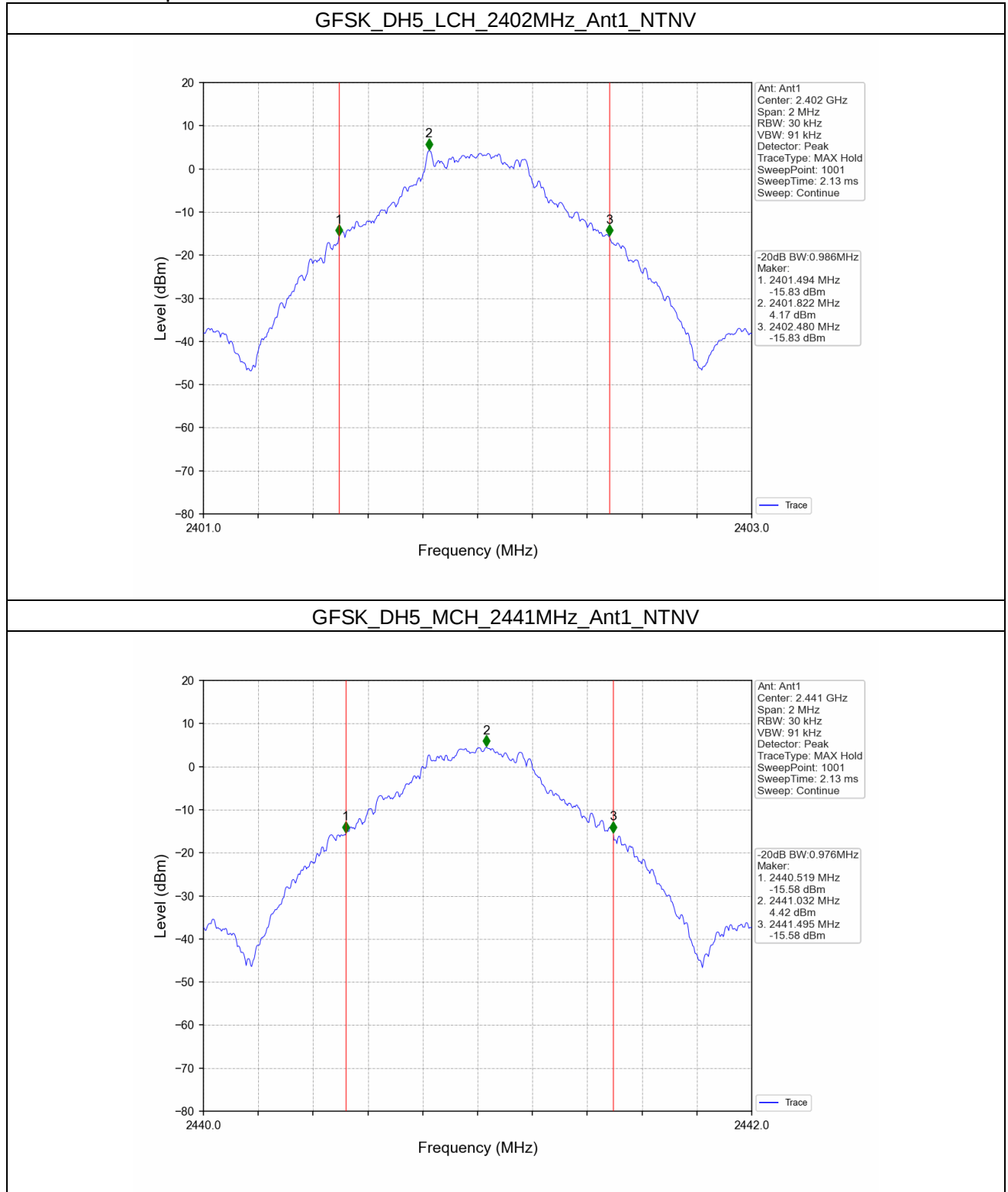


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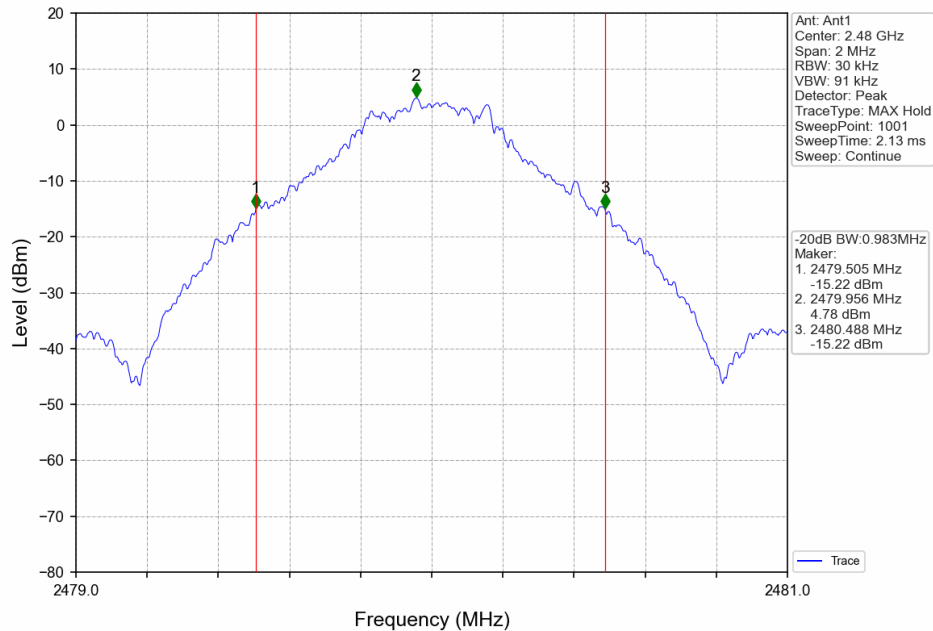
1.2.2 Test Graph



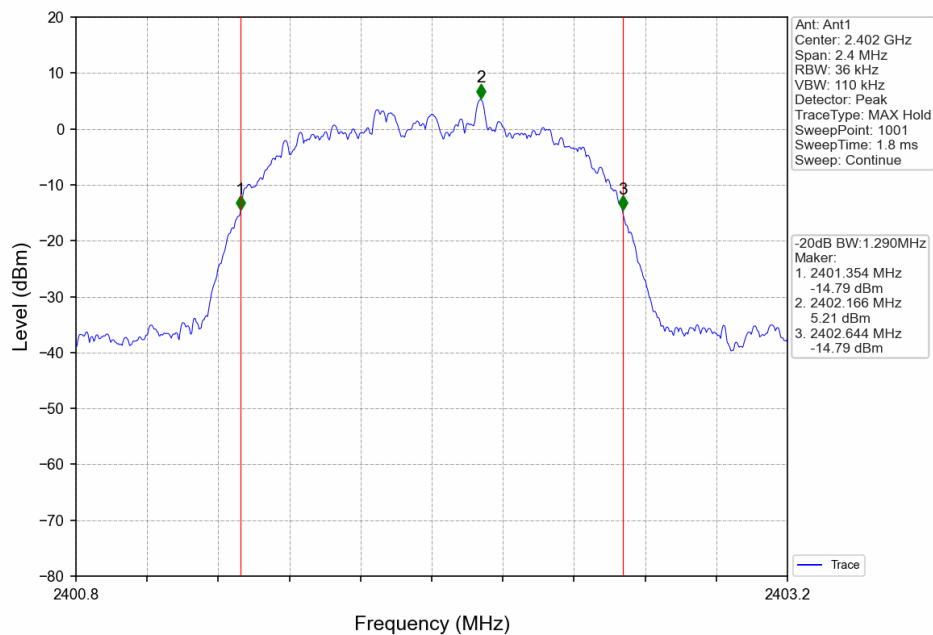
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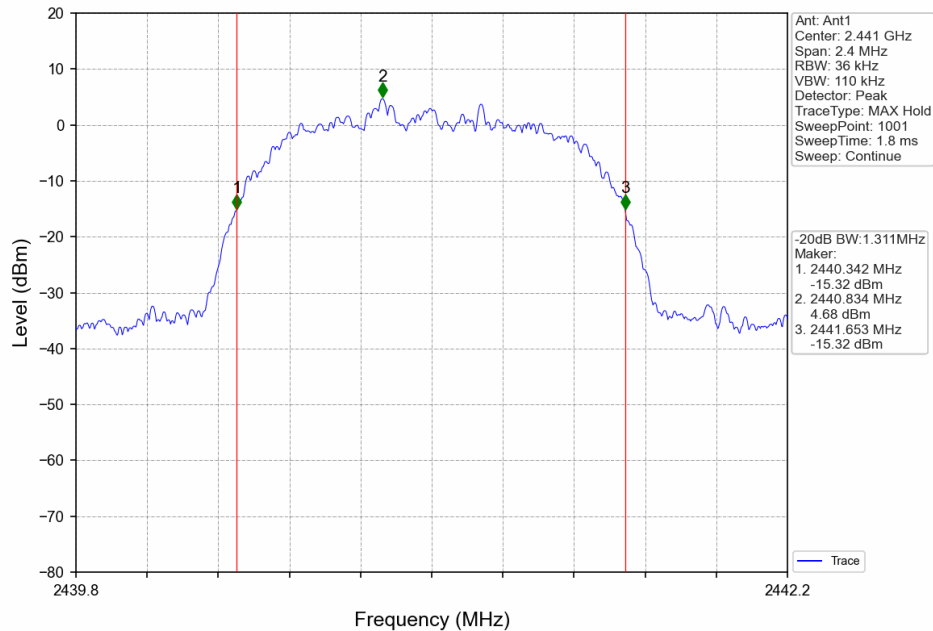
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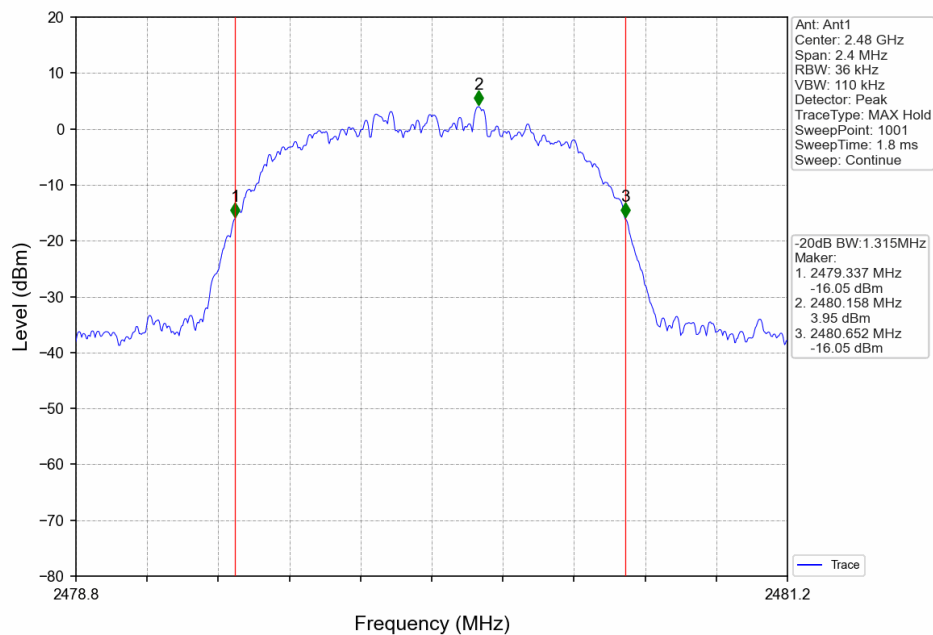
Pi/4DQPSK_2DH5_LCH_2402MHz_Ant1_NTNV



Pi/4DQPSK_2DH5_MCH_2441MHz_Ant1_NTNV



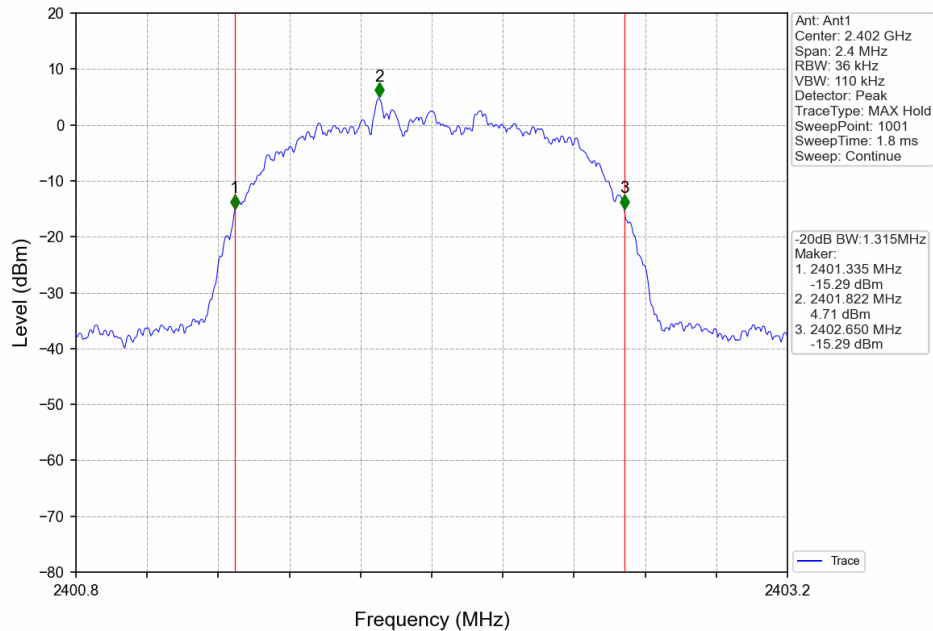
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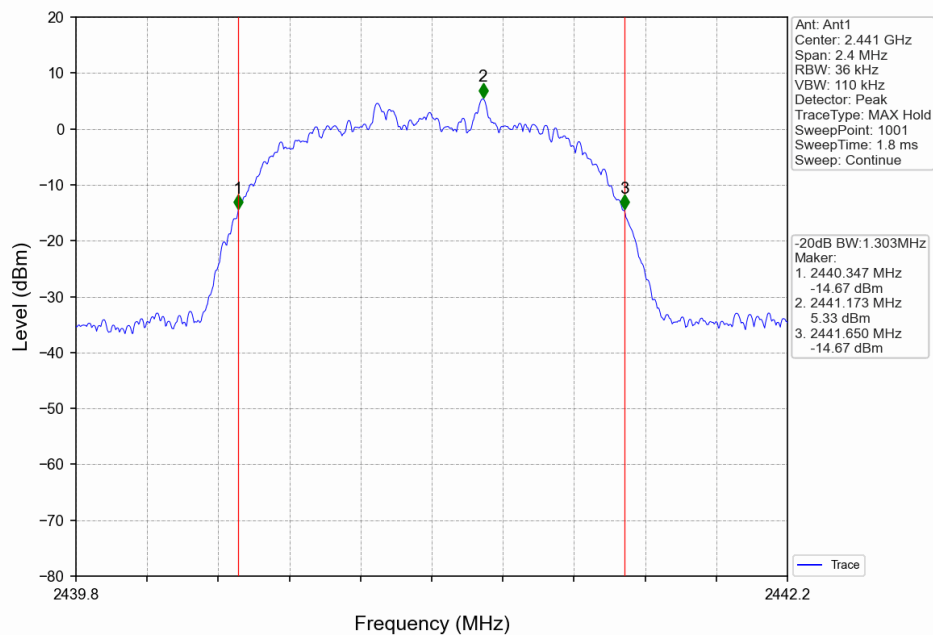
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8DPSK_3DH5_LCH_2402MHz_Ant1_NTNV



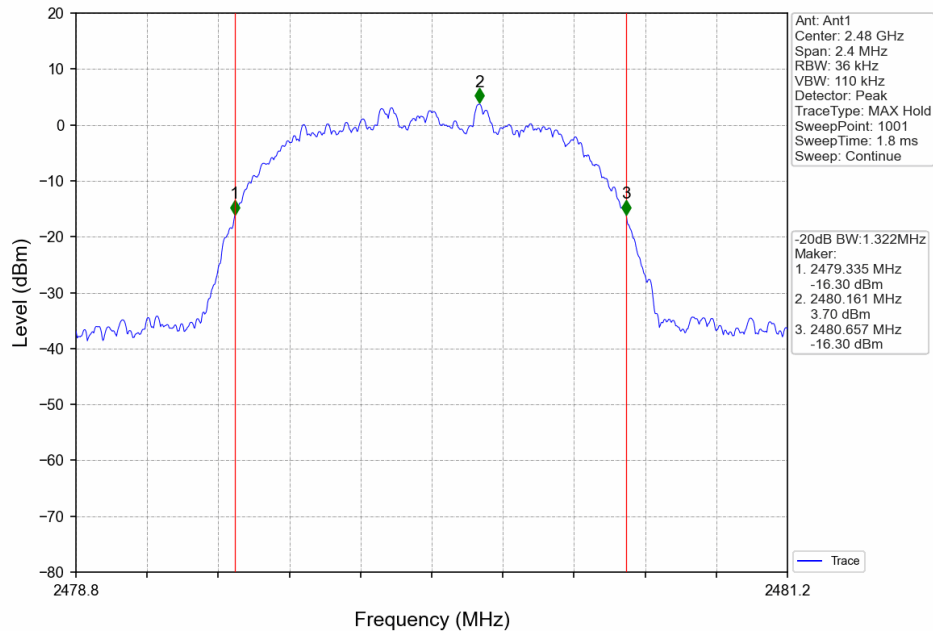
8DPSK_3DH5_MCH_2441MHz_Ant1_NTNV



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2. Maximum Conducted Output Power

2.1 Power

2.1.1 Test Result

Mode	TX Type	Frequency (MHz)	Packet Type	Maximum Peak Conducted Output Power (dBm)		Verdict
				ANT1	Limit	
GFSK	SISO	2402	DH5	5.58	≤ 30	Pass
		2441	DH5	6.20	≤ 30	Pass
		2480	DH5	5.83	≤ 30	Pass
Pi/4DQPSK	SISO	2402	2DH5	7.41	≤ 20.97	Pass
		2441	2DH5	7.93	≤ 20.97	Pass
		2480	2DH5	7.61	≤ 20.97	Pass
8DPSK	SISO	2402	3DH5	7.82	≤ 20.97	Pass
		2441	3DH5	8.30	≤ 20.97	Pass
		2480	3DH5	8.01	≤ 20.97	Pass

Note1: Antenna Gain: Ant1: -1.17dBi;

3. Carrier Frequency Separation

3.1 Ant1

3.1.1 Test Result

Ant1							
Mode	TX Type	Frequency (MHz)	Packet Type	Channel Separation (MHz)	20dB Bandwidth (MHz)	Limit (MHz)	Verdict
GFSK	SISO	HOPP	DH5	1.000	0.986	≥ 0.986	Pass
Pi/4DQPSK	SISO	HOPP	2DH5	0.986	1.315	≥ 0.877	Pass
8DPSK	SISO	HOPP	3DH5	1.034	1.322	≥ 0.881	Pass

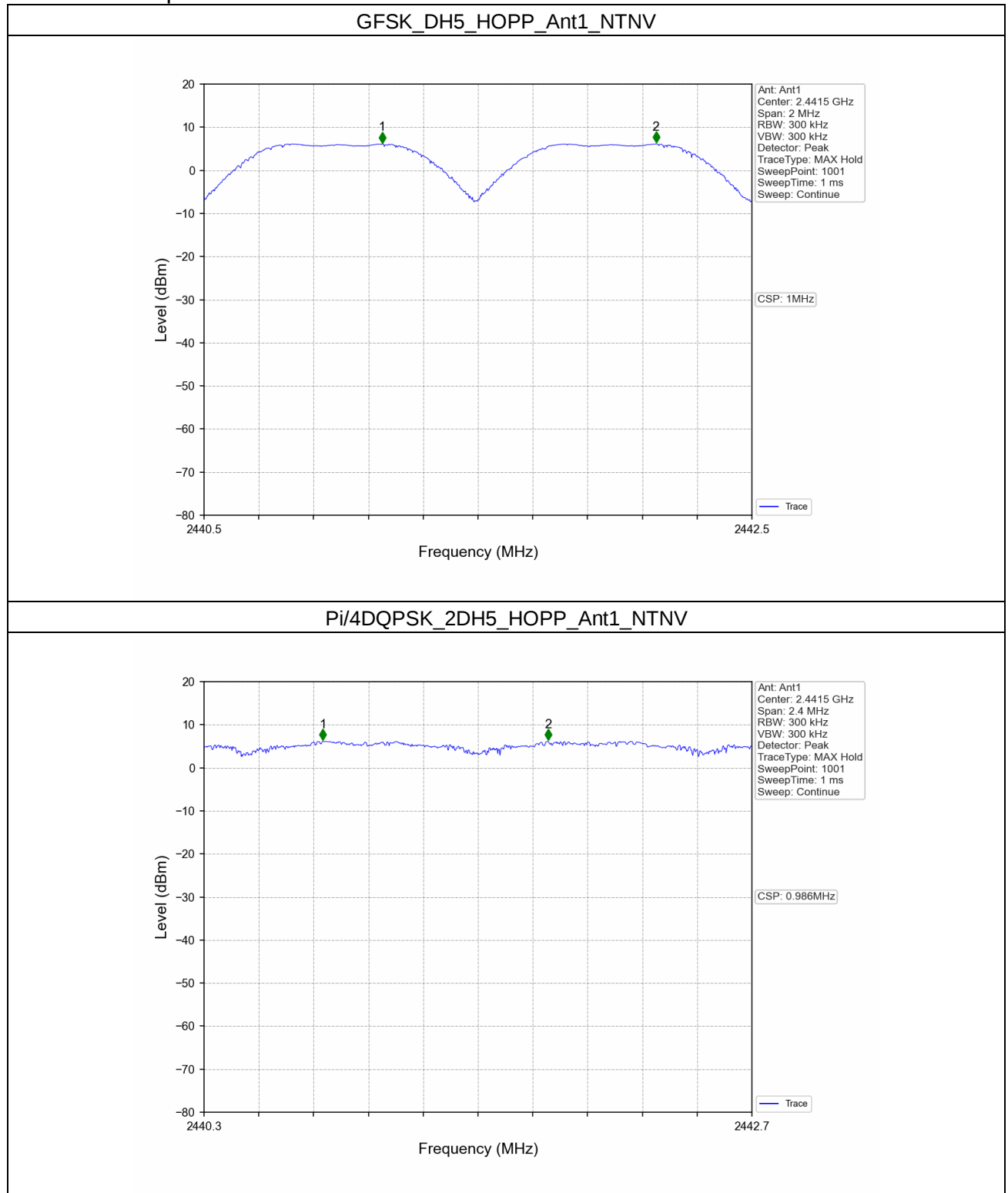


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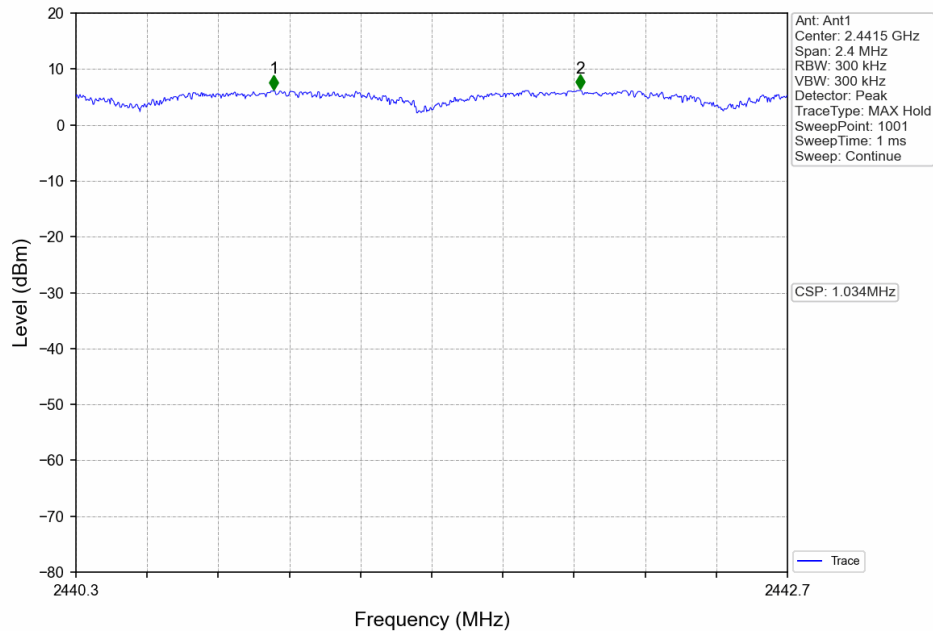
3.1.2 Test Graph



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8DPSK_3DH5_HOPP_Ant1_NTNV



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4. Number of Hopping Frequencies

4.1 HoppNum

4.1.1 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

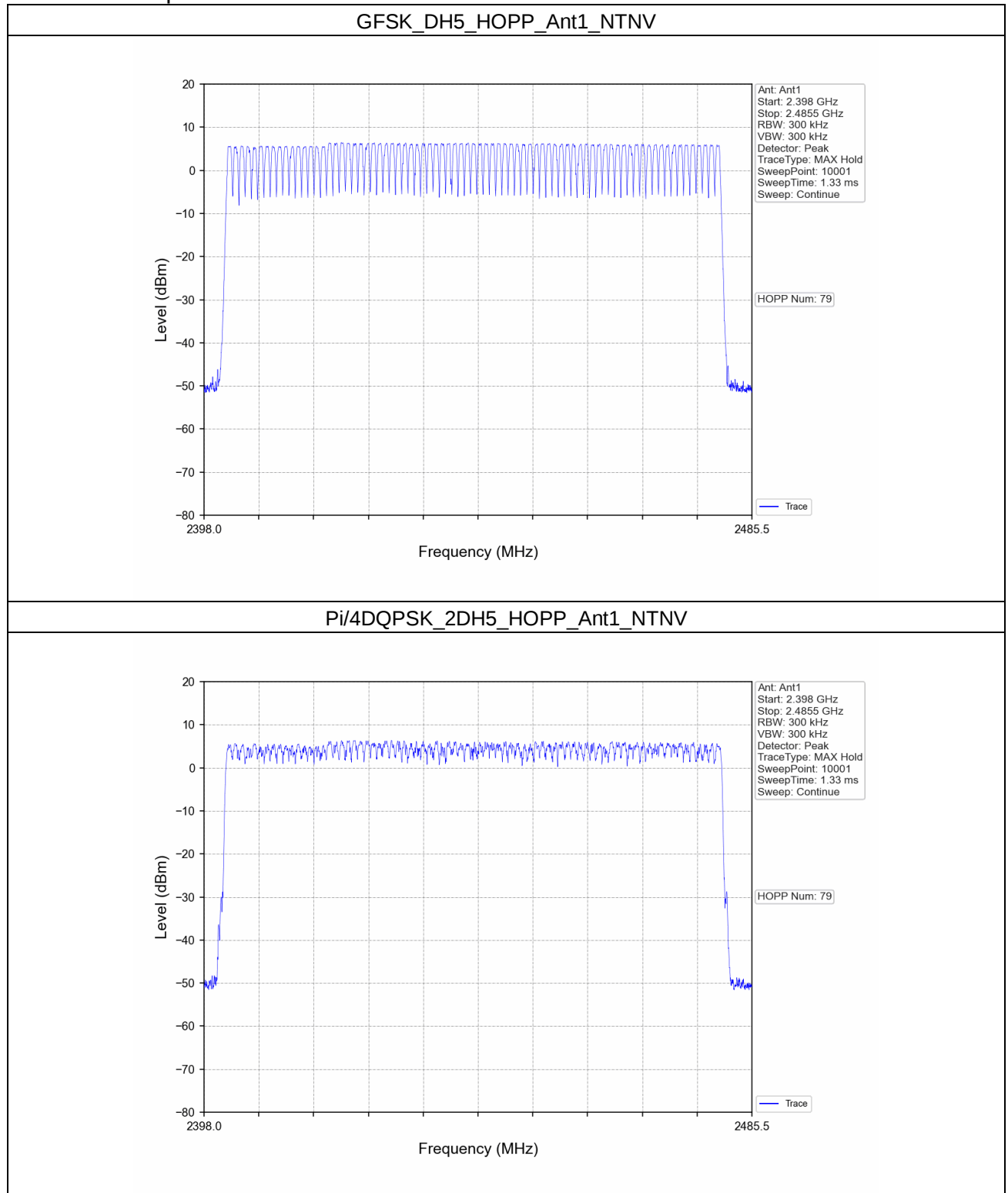


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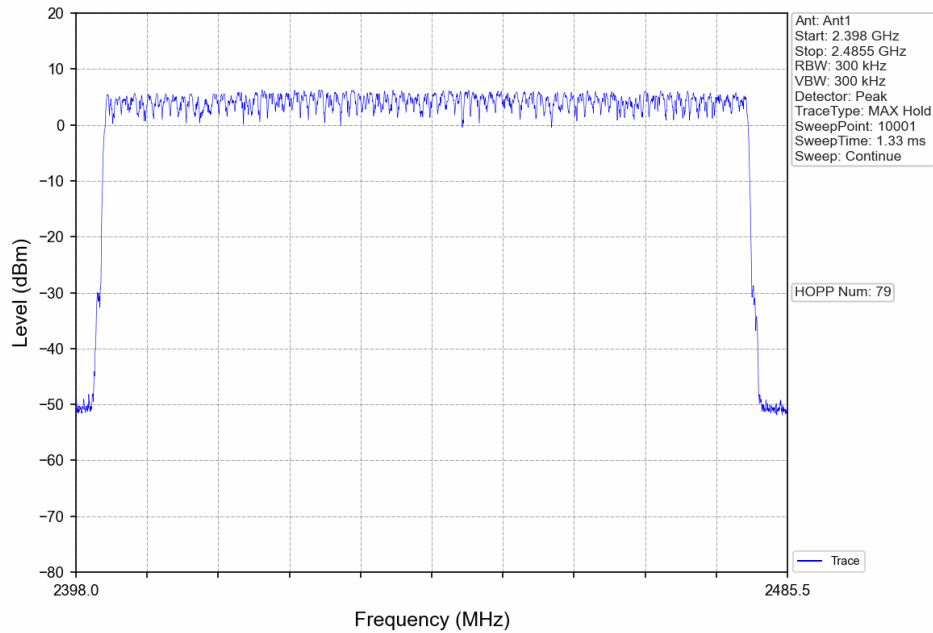
4.1.2 Test Graph



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5. Time of Occupancy (Dwell Time)

5.1 Ant1

5.1.1 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	0.388	31.600	38	14.744	<=400	Pass
			DH3	1.644	31.600	45	73.980	<=400	Pass
			DH5	2.894	31.600	45	130.230	<=400	Pass
Pi/4DQPSK	SISO	HOPP	2DH1	0.396	31.600	48	19.008	<=400	Pass
			2DH3	1.646	31.600	32	52.672	<=400	Pass
			2DH5	2.898	31.600	42	121.716	<=400	Pass
8DPSK	SISO	HOPP	3DH1	0.400	31.600	38	15.200	<=400	Pass
			3DH3	1.646	31.600	34	55.964	<=400	Pass
			3DH5	2.898	31.600	37	107.226	<=400	Pass



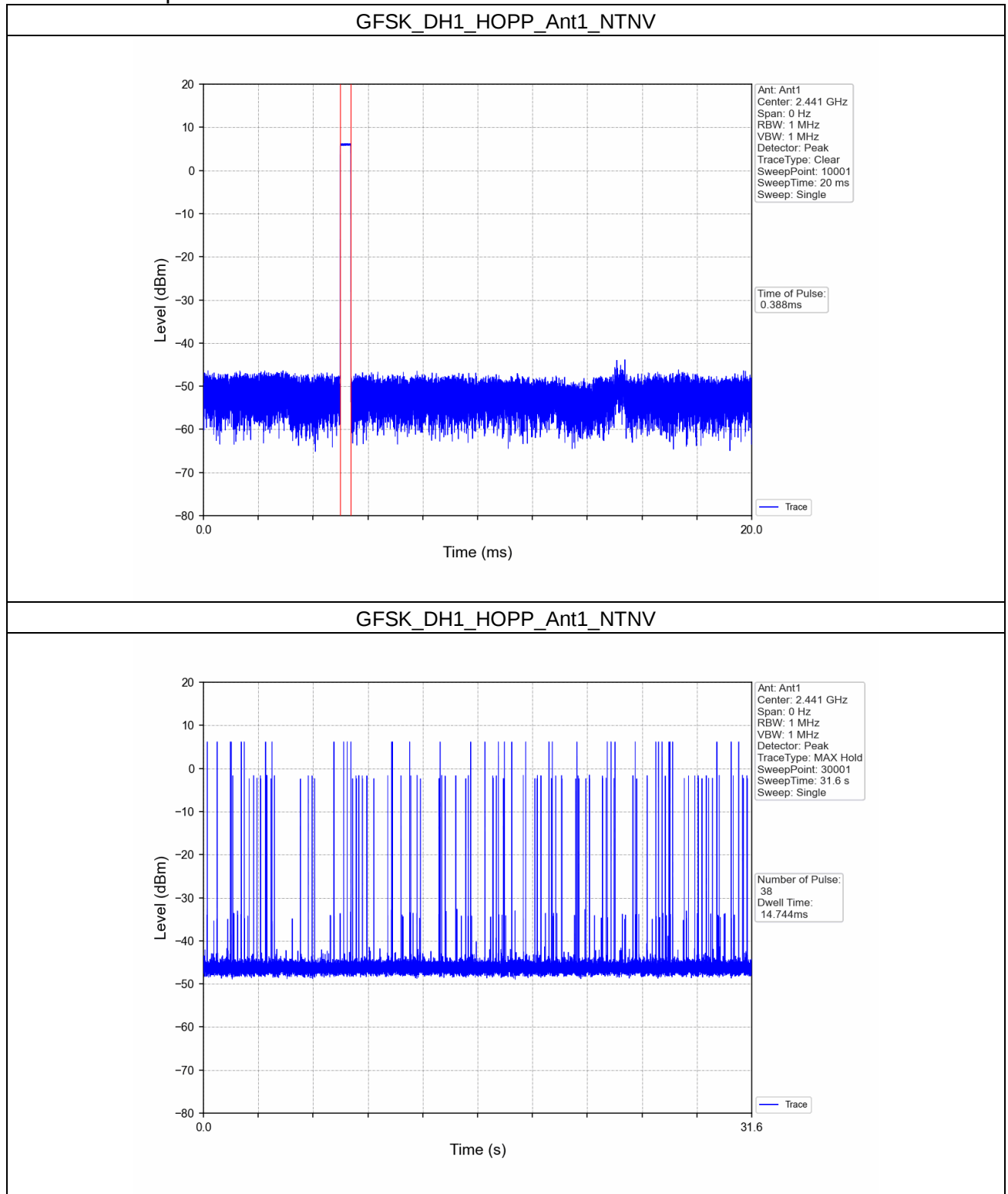
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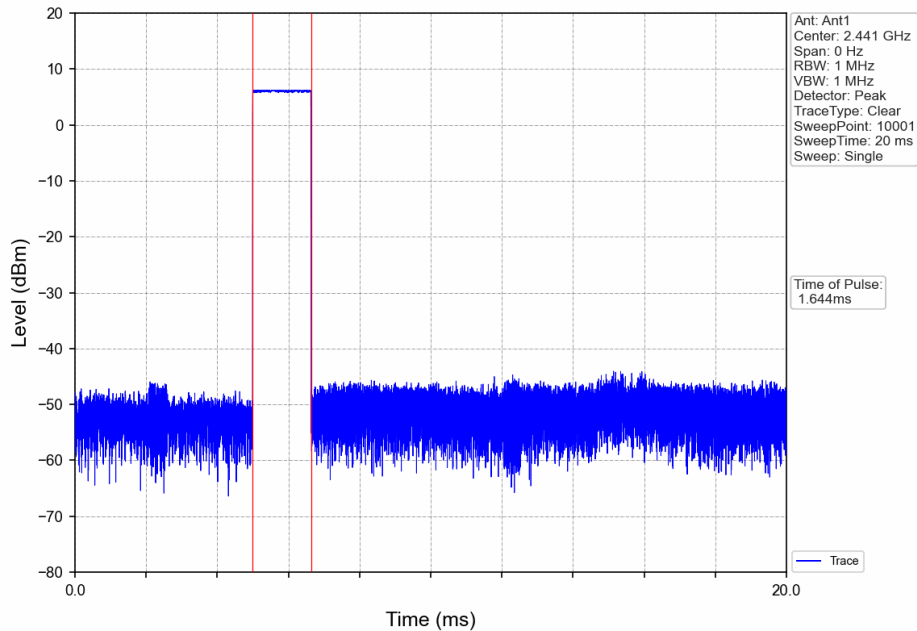
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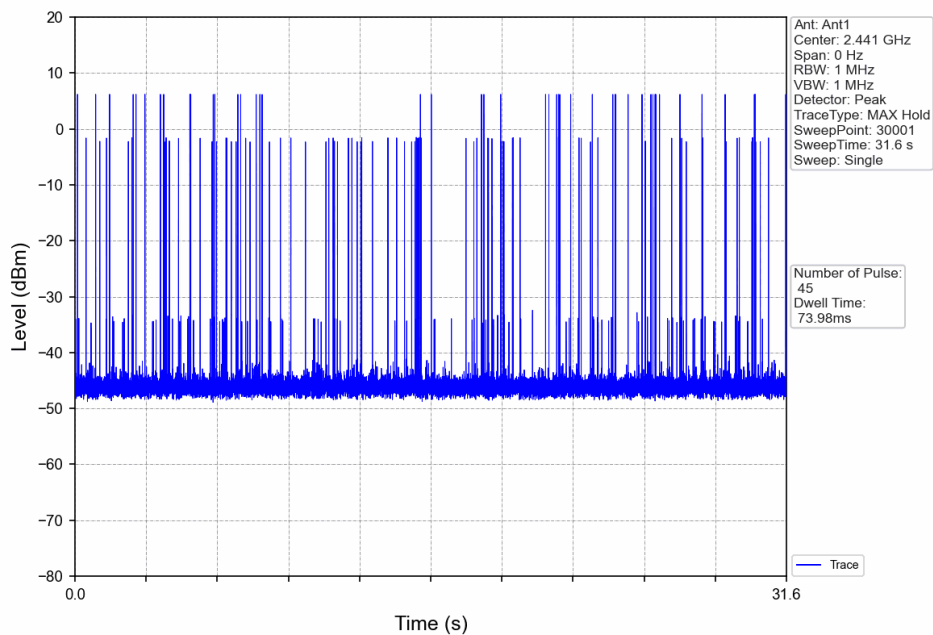
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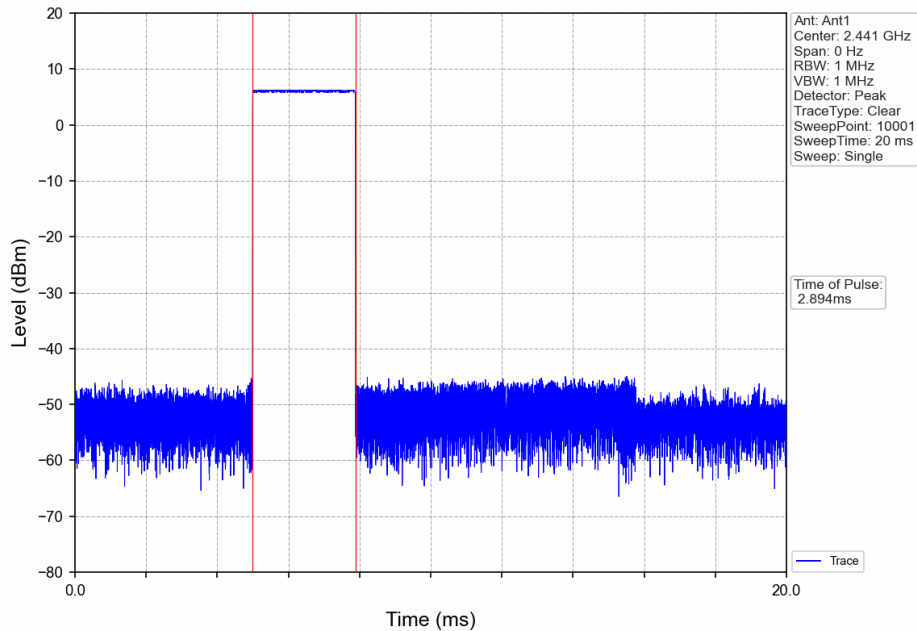
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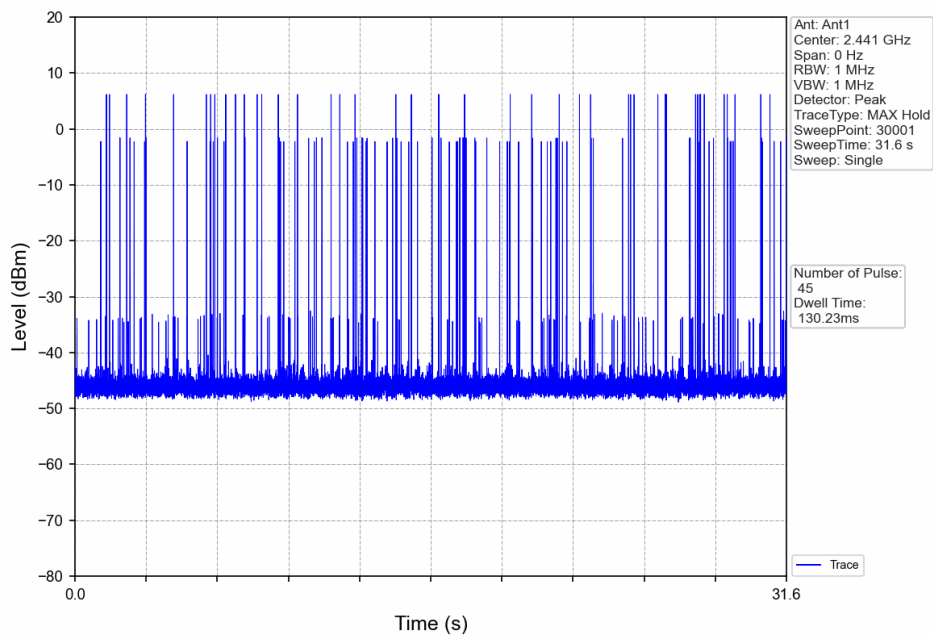
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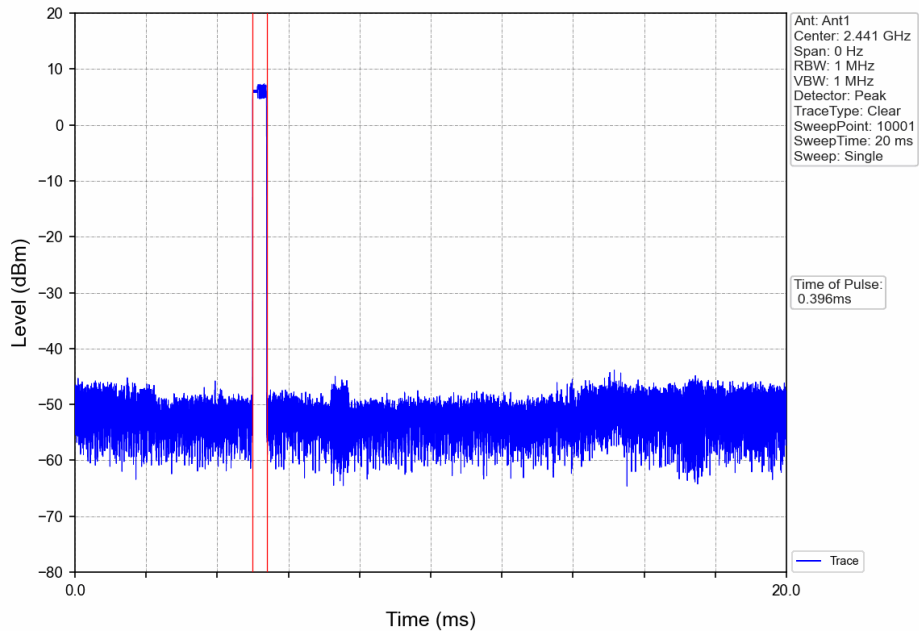
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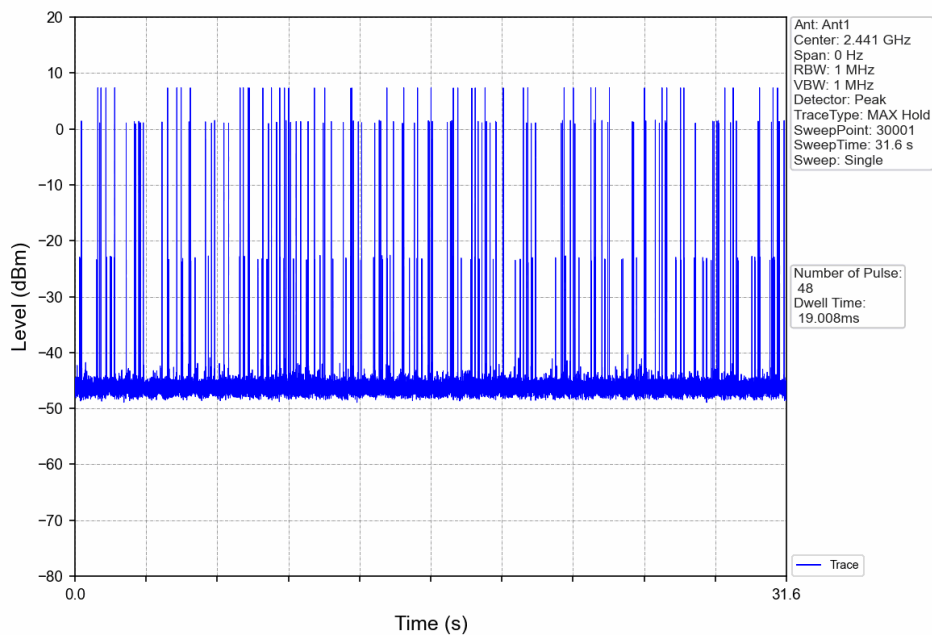
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Pi/4DQPSK_2DH1_HOPP_Ant1_NTNV



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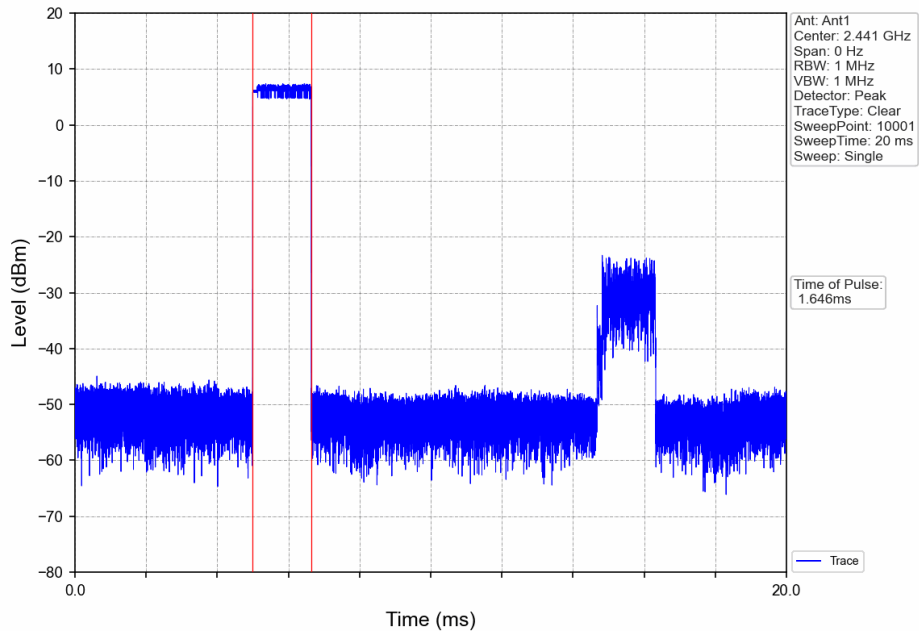


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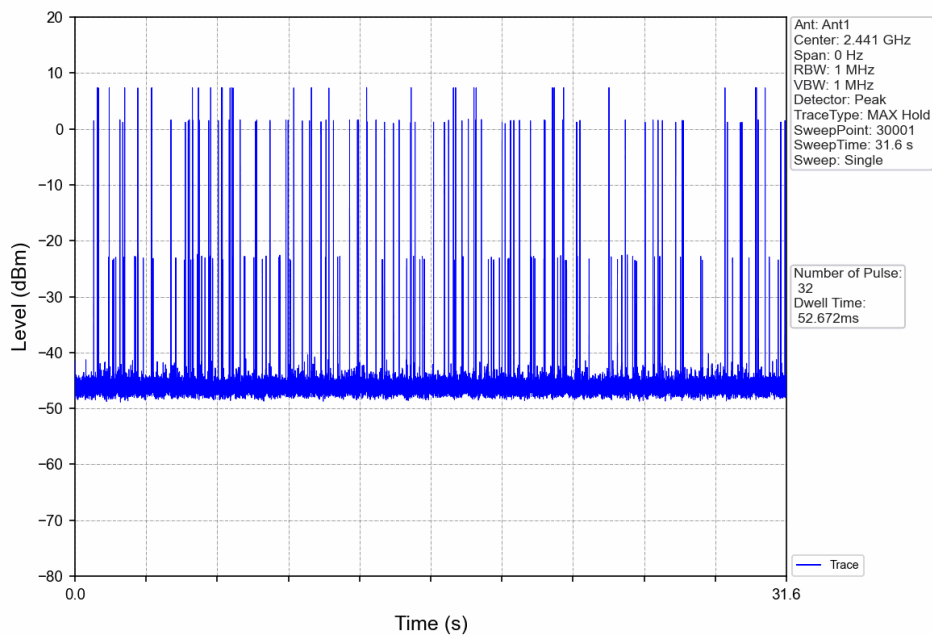
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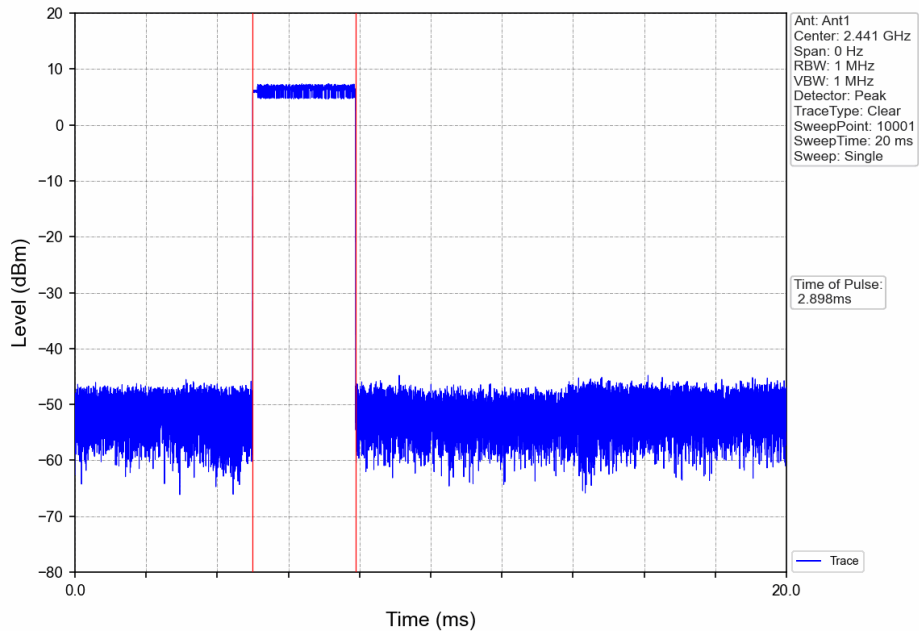
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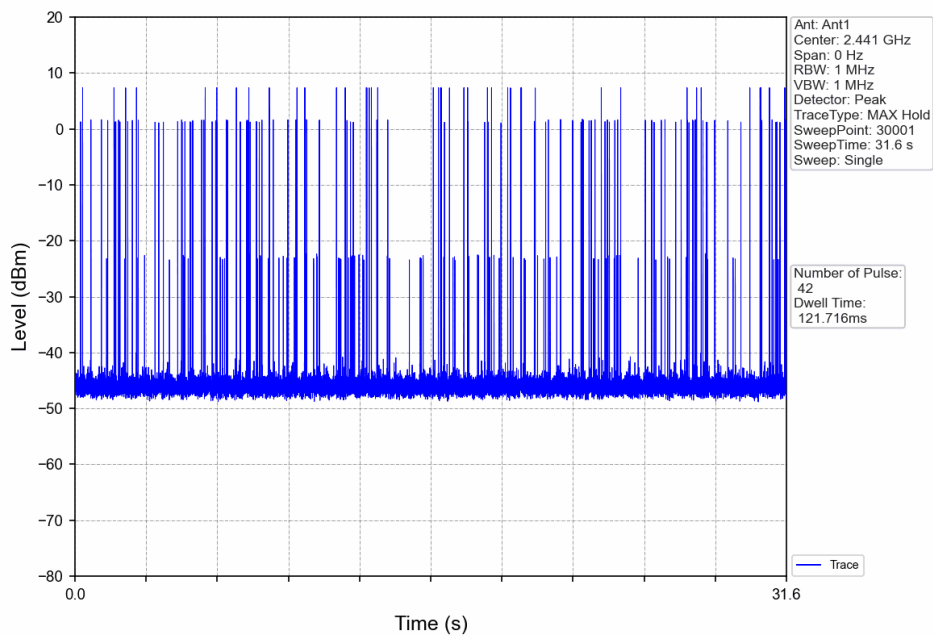
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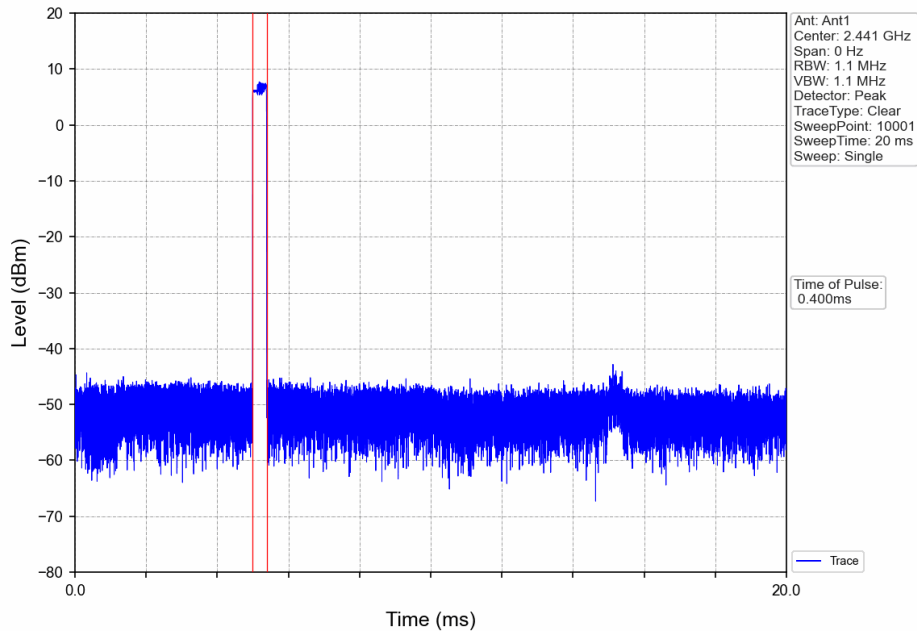
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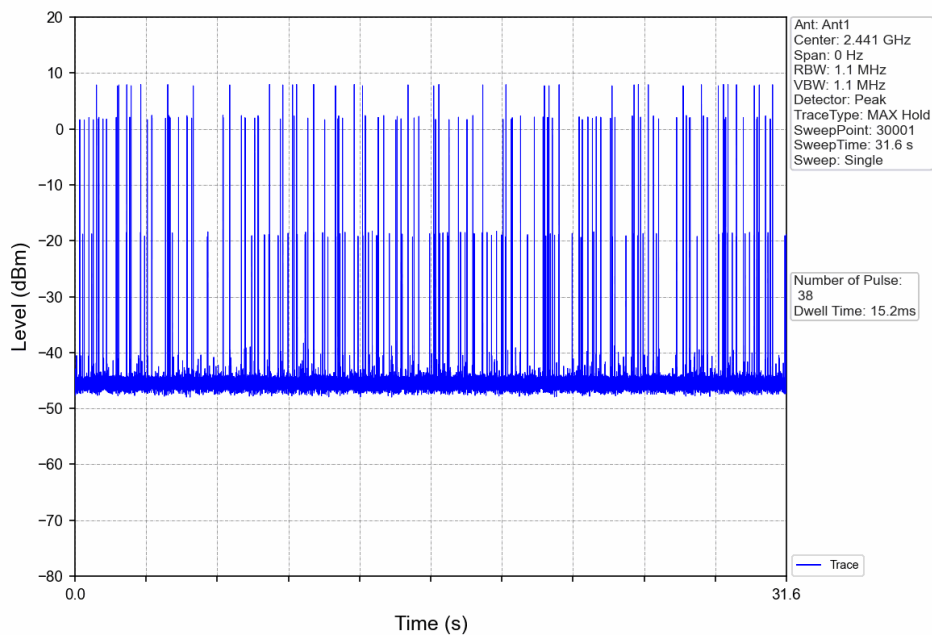
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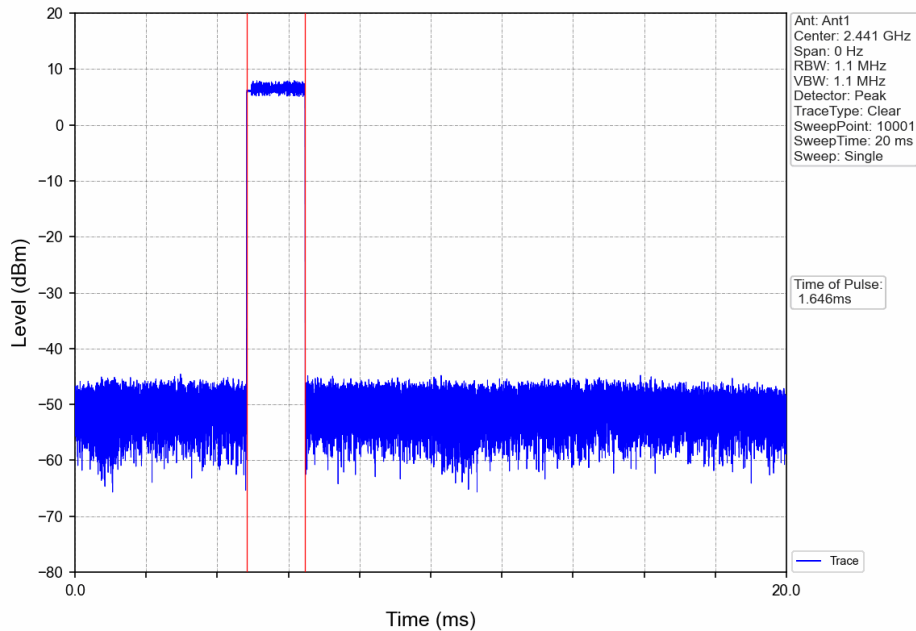
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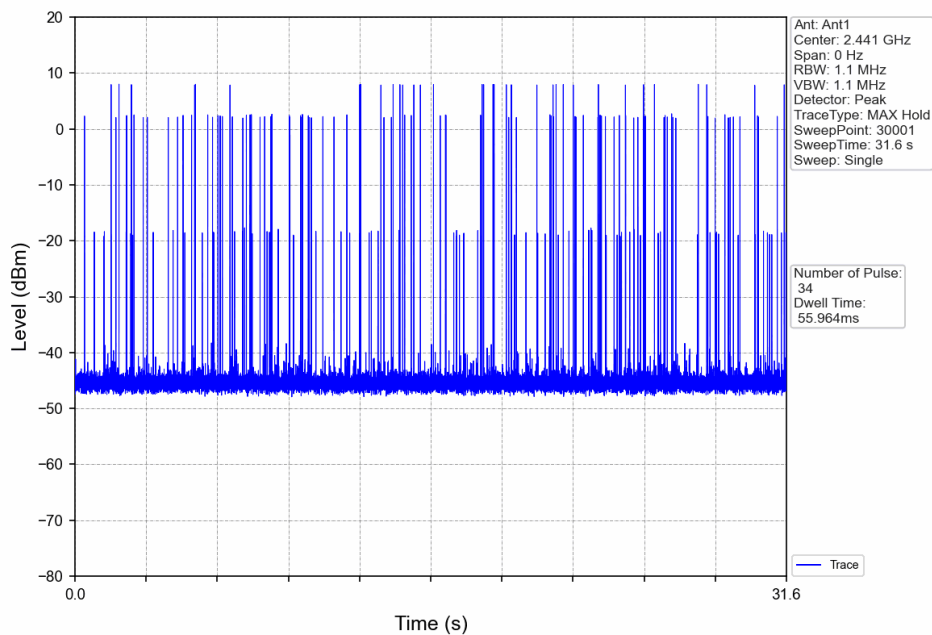
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8DPSK_3DH3_HOPP_Ant1_NTNV



8DPSK_3DH3_HOPP_Ant1_NTNV

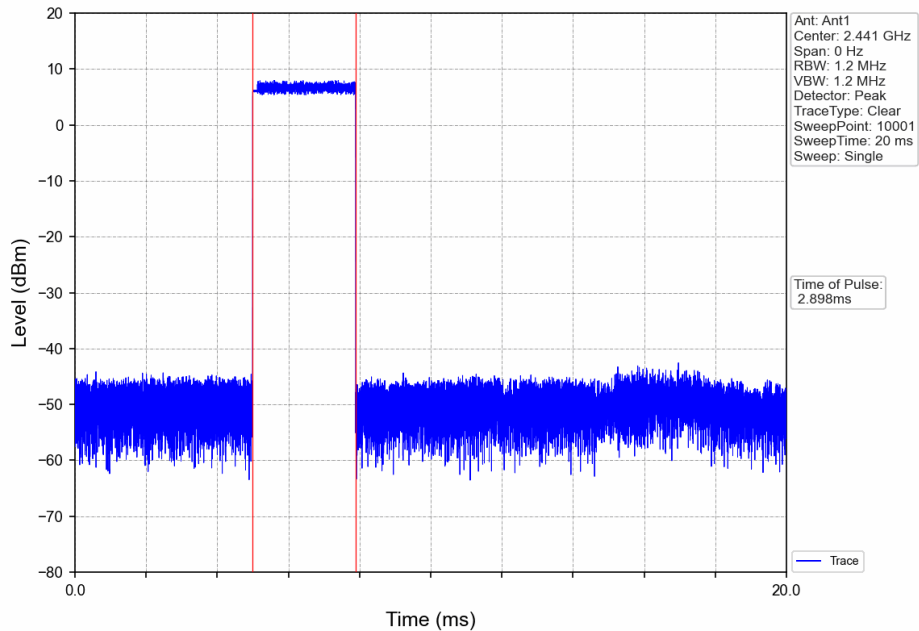


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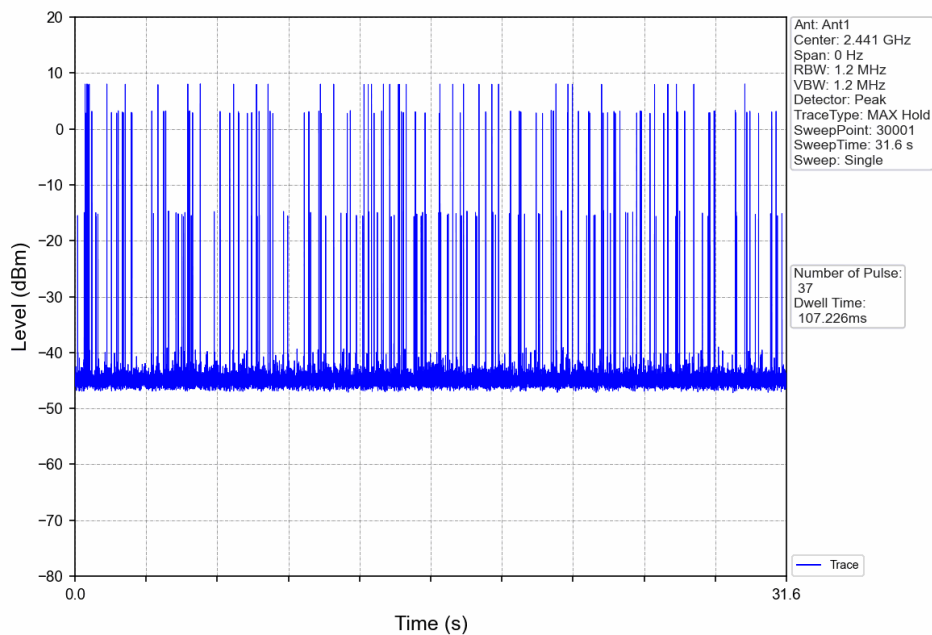
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8DPSK_3DH5_HOPP_Ant1_NTNV



8DPSK_3DH5_HOPP_Ant1_NTNV



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6. Unwanted Emissions In Non-restricted Frequency Bands

6.1 Ref

6.1.1 Test Result

Mode	TX Type	Frequency (MHz)	Packet Type	ANT	Level of Reference (dBm)
GFSK	SISO	2402	DH5	1	5.49
		2441	DH5	1	6.11
		2480	DH5	1	5.54
Pi/4DQPSK	SISO	2402	2DH5	1	5.26
		2441	2DH5	1	5.79
		2480	2DH5	1	5.63
8DPSK	SISO	2402	3DH5	1	5.02
		2441	3DH5	1	6.08
		2480	3DH5	1	5.74

Note1: Refer to FCC Part 15.247 (d) and ANSI C63.10-2013, the channel contains the maximum PSD level was used to establish the reference level.

Note2: RBW = 1MHz was used during the pre-test. The final test will be performed at RBW=100kHz while the margin is less than 3dB.

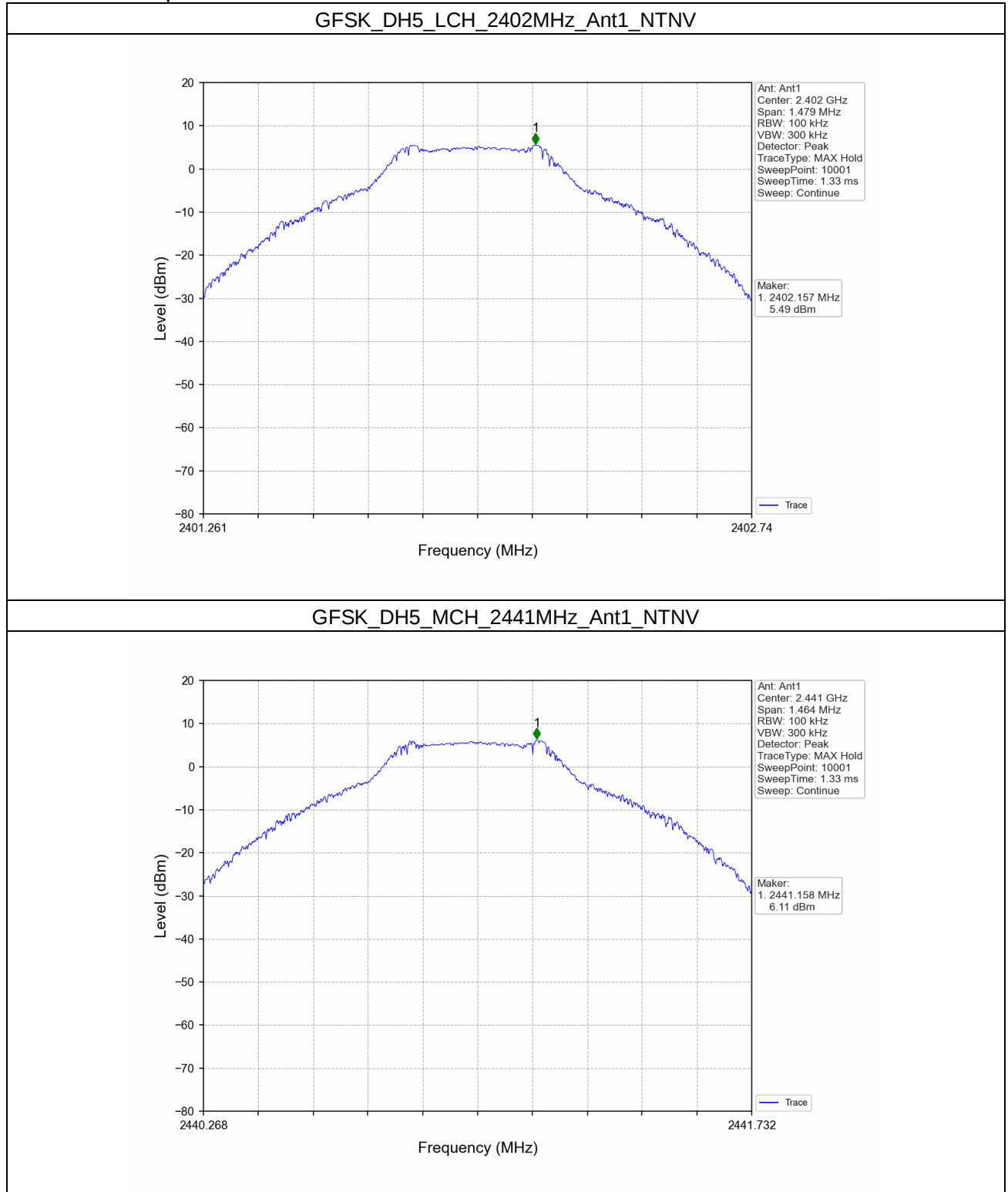


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Compliance Certification Services (Kunshan) Inc.
Shenzhen Branch

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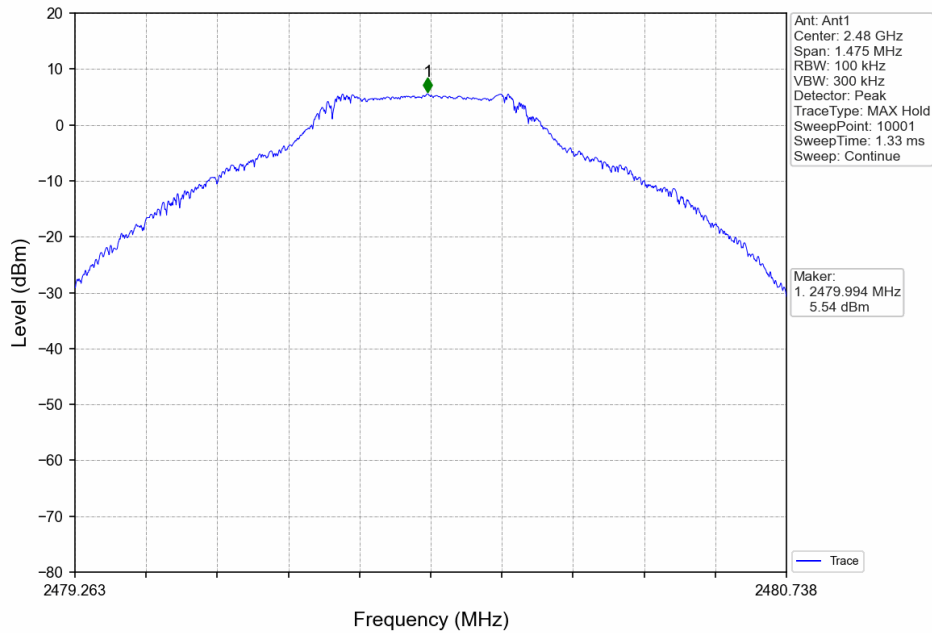
6.1.2 Test Graph



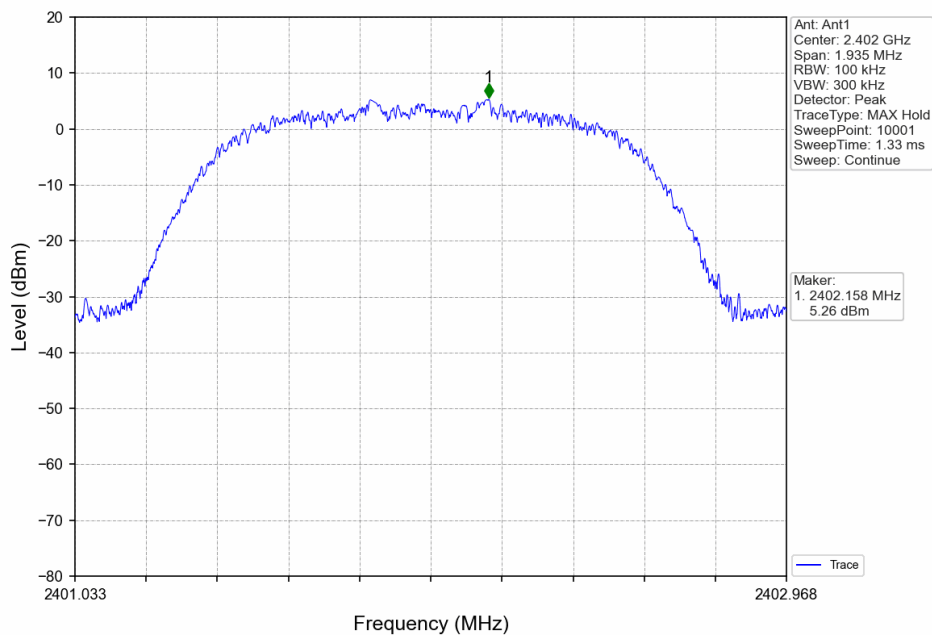
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GFSK_DH5_HCH_2480MHz_Ant1_NTNV



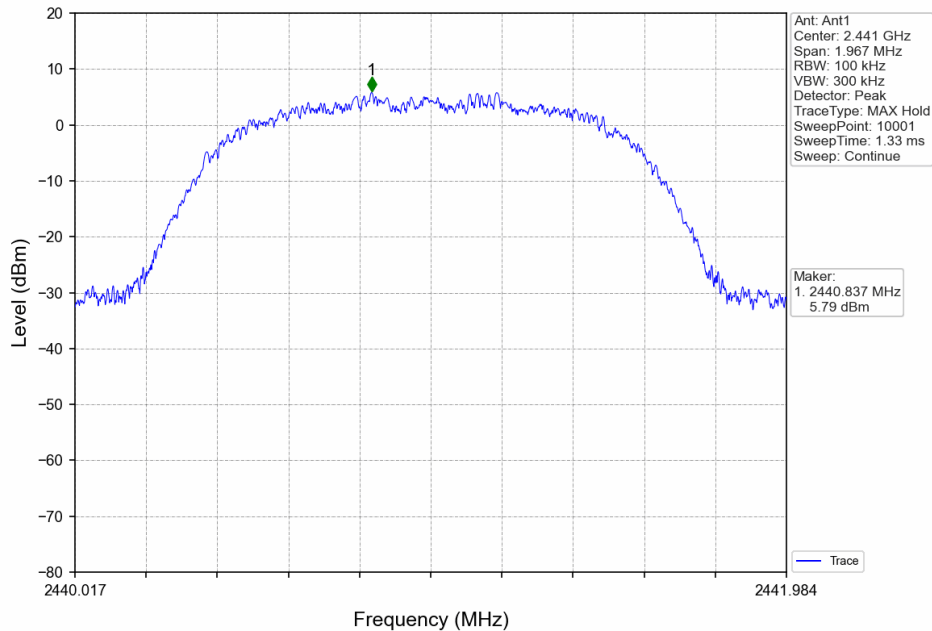
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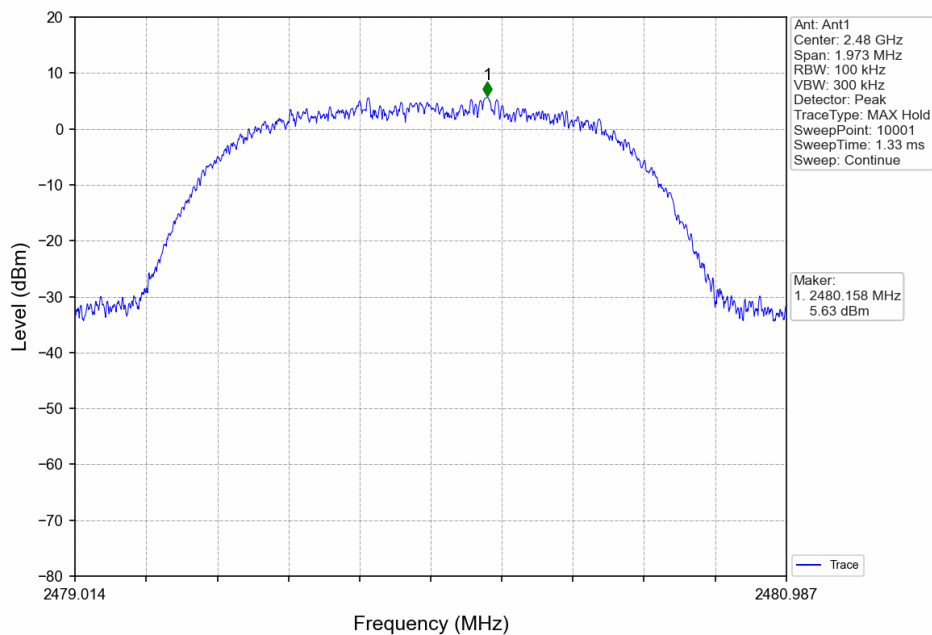
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Pi/4DQPSK_2DH5_MCH_2441MHz_Ant1_NTNV



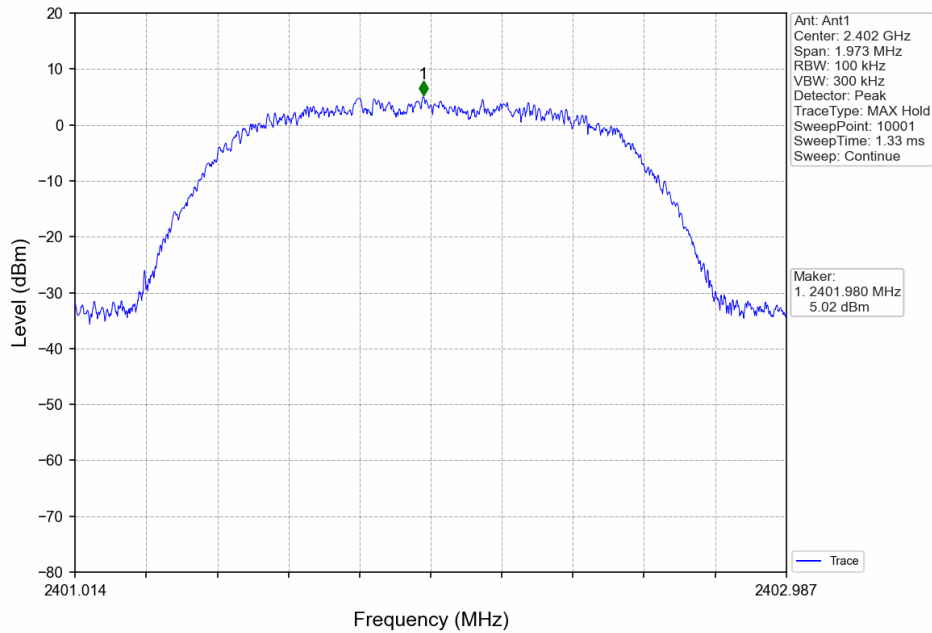
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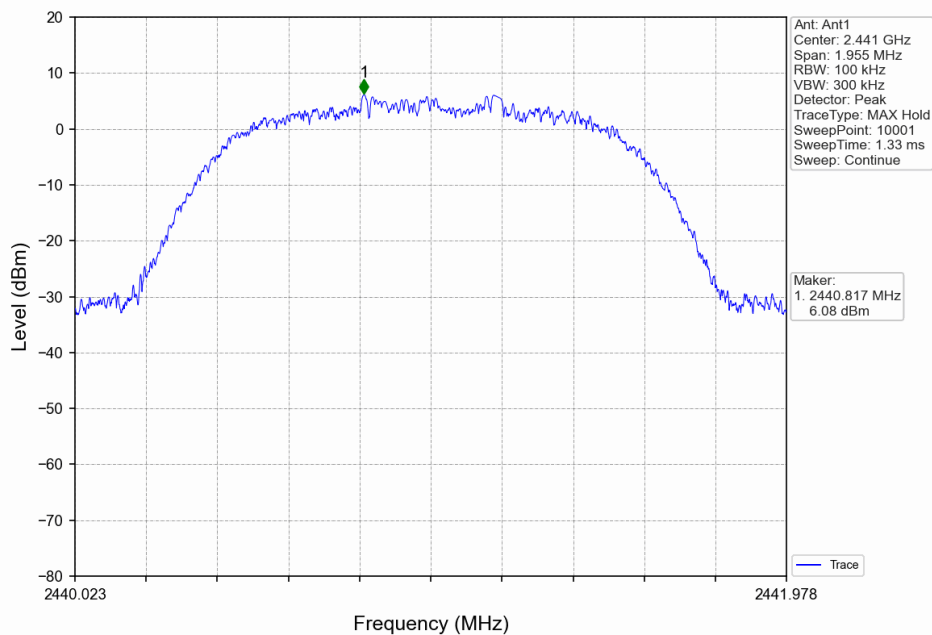
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8DPSK_3DH5_LCH_2402MHz_Ant1_NTNV



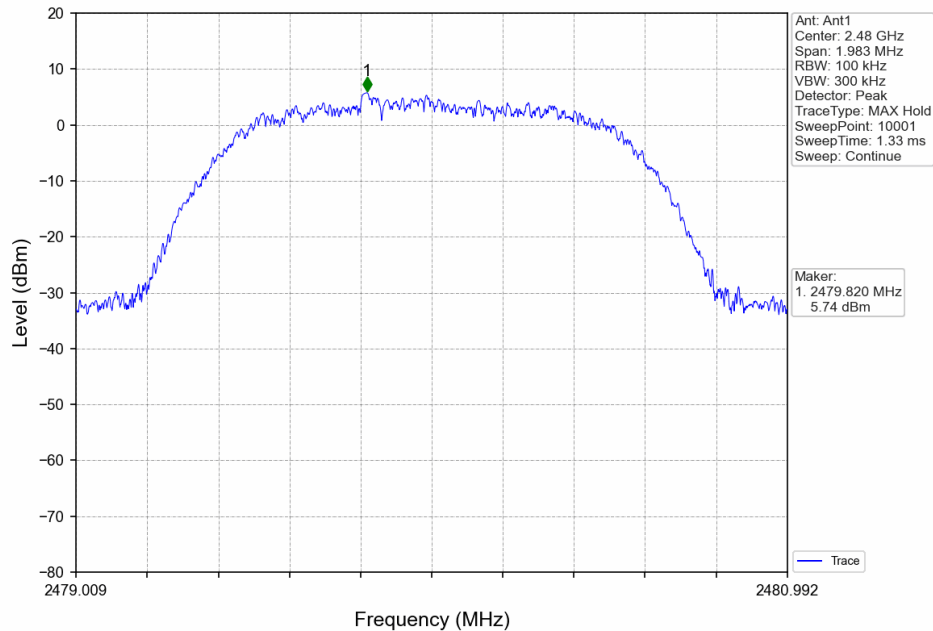
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8DPSK_3DH5_HCH_2480MHz_Ant1_NTNV



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6.2 CSE

6.2.1 Test Result

Mode	TX Type	Frequency (MHz)	Packet Type	ANT	Level of Reference (dBm)	Limit (dBm)	Verdict
GFSK	SISO	2402	DH5	1	6.11	-13.89	Pass
		2441	DH5	1	6.11	-13.89	Pass
		2480	DH5	1	6.11	-13.89	Pass
		HOPP	DH5	1	6.11	-13.89	Pass
PI/4DQPSK	SISO	2402	2DH5	1	5.79	-14.21	Pass
		2441	2DH5	1	5.79	-14.21	Pass
		2480	2DH5	1	5.79	-14.21	Pass
		HOPP	2DH5	1	5.79	-14.21	Pass
8DPSK	SISO	2402	3DH5	1	6.08	-13.92	Pass
		2441	3DH5	1	6.08	-13.92	Pass
		2480	3DH5	1	6.08	-13.92	Pass
		HOPP	3DH5	1	6.08	-13.92	Pass

Note1: Refer to FCC Part 15.247 (d) and ANSI C63.10-2013, the channel contains the maximum PSD level was used to establish the reference level.

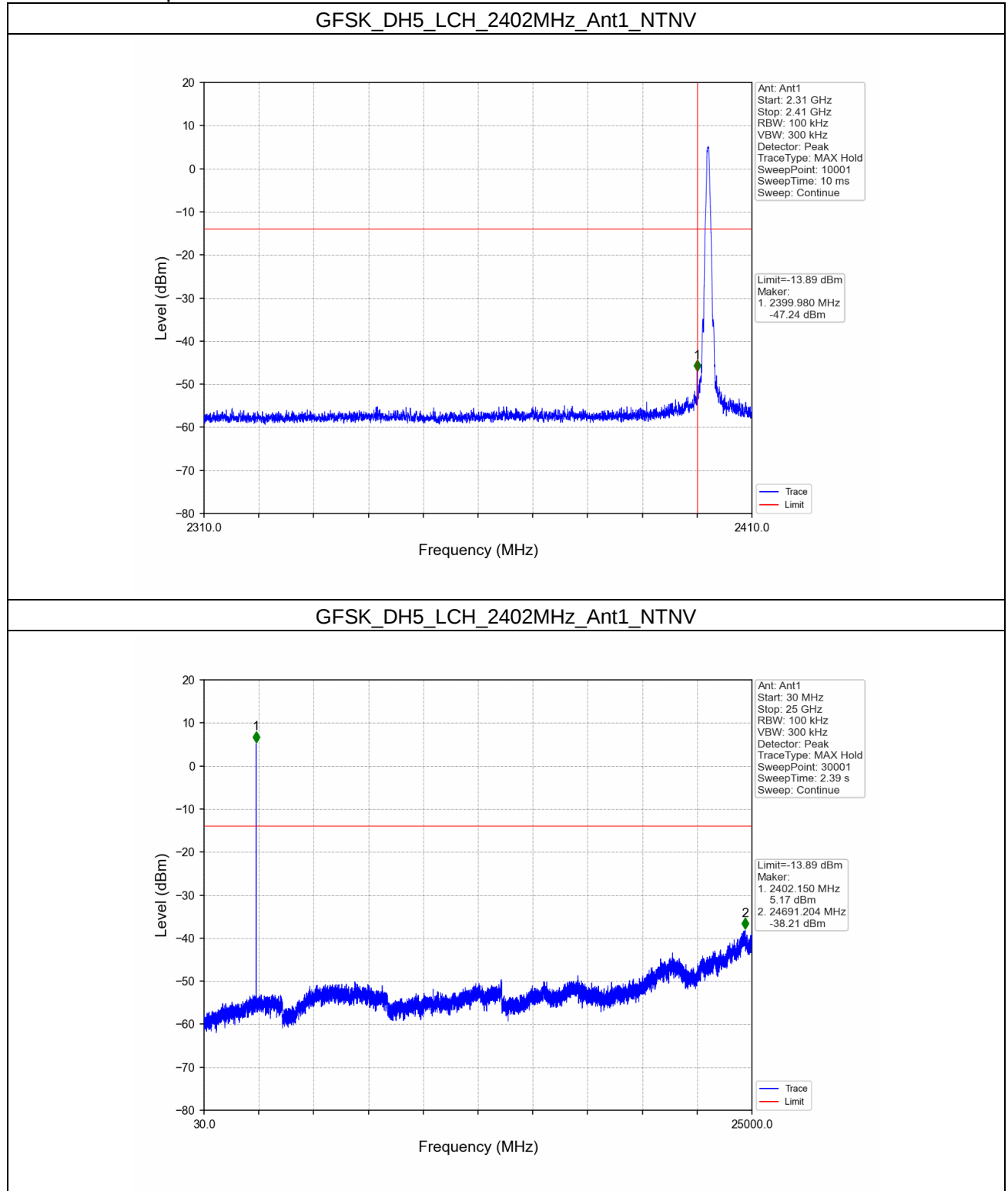
Note2: RBW = 1MHz was used during the pre-test. The final test will be performed at RBW=100kHz while the margin is less than 3dB.



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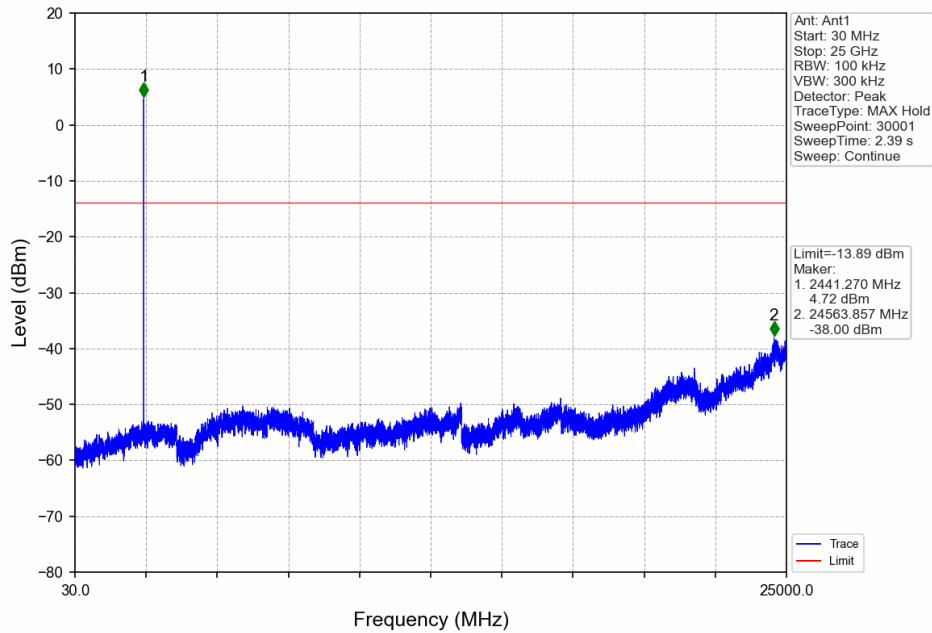
6.2.2 Test Graph



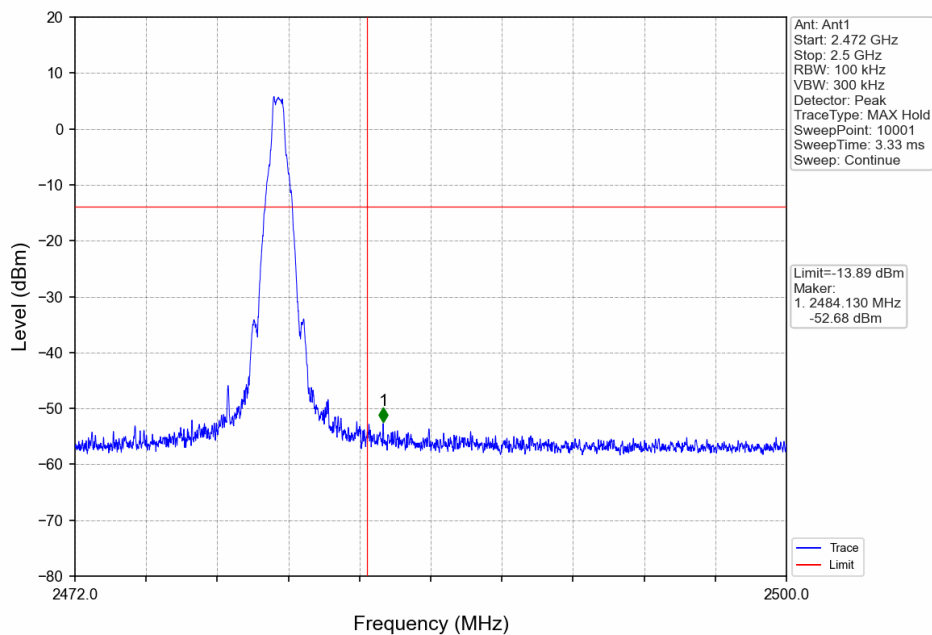
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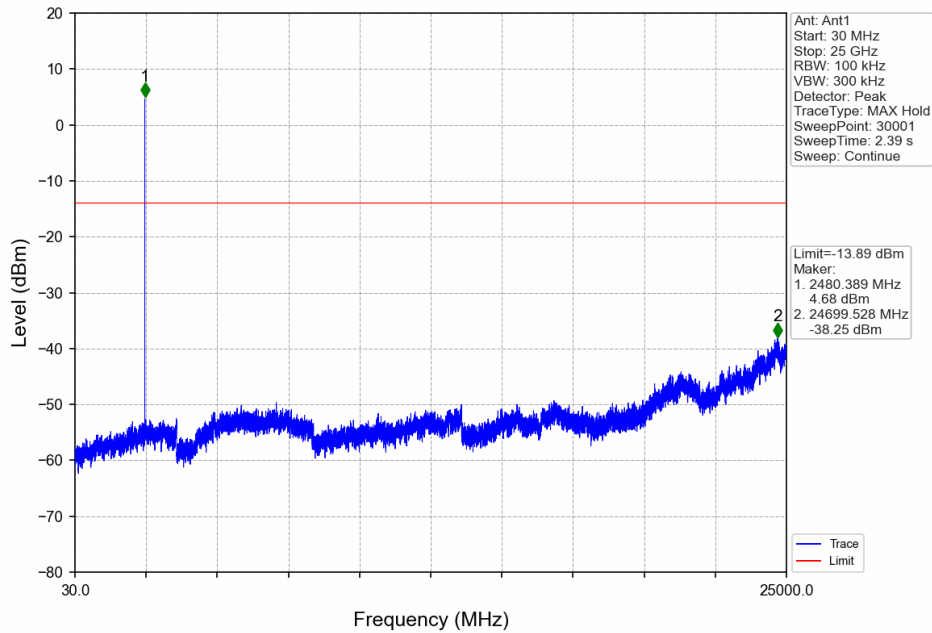
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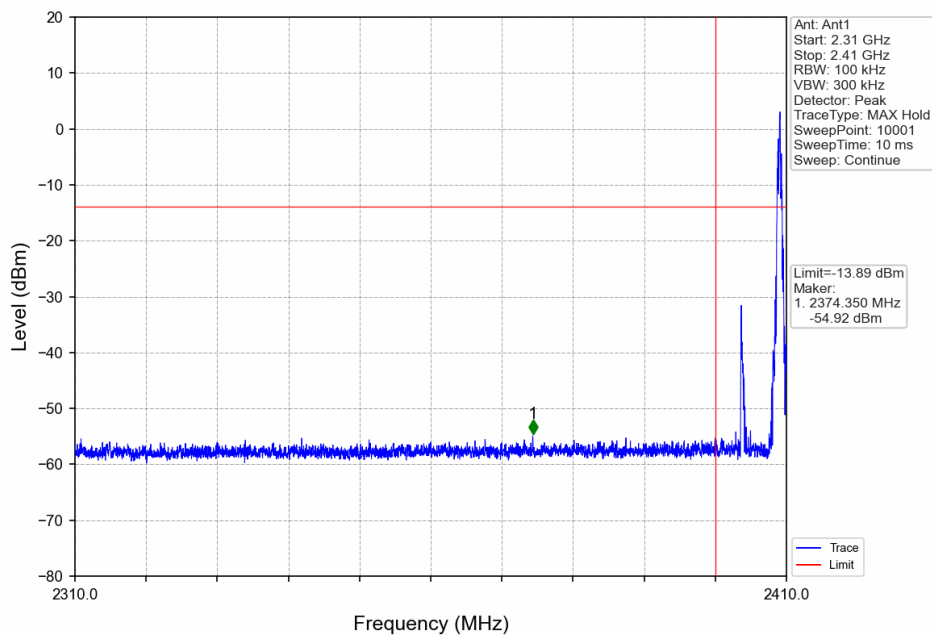
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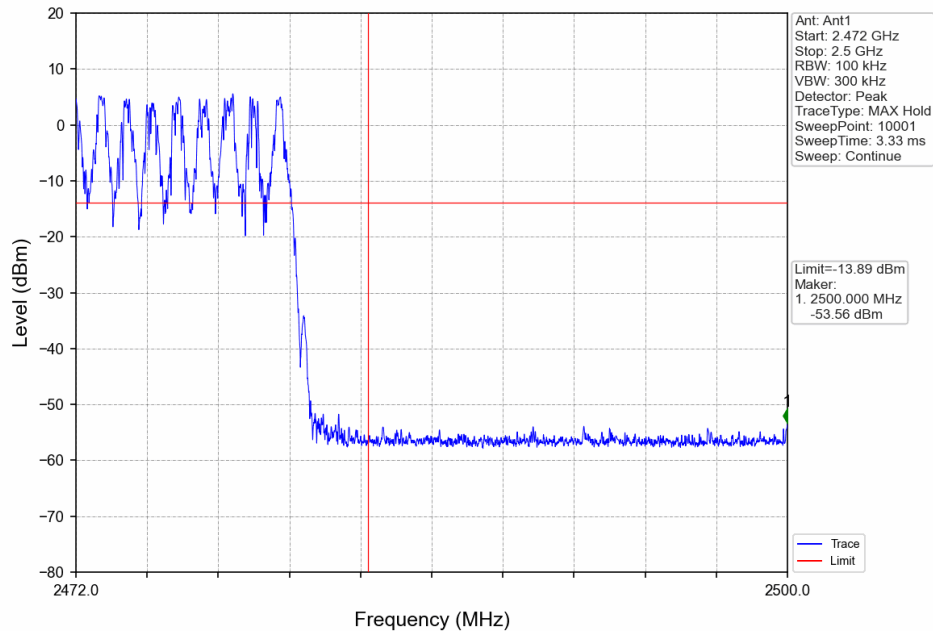
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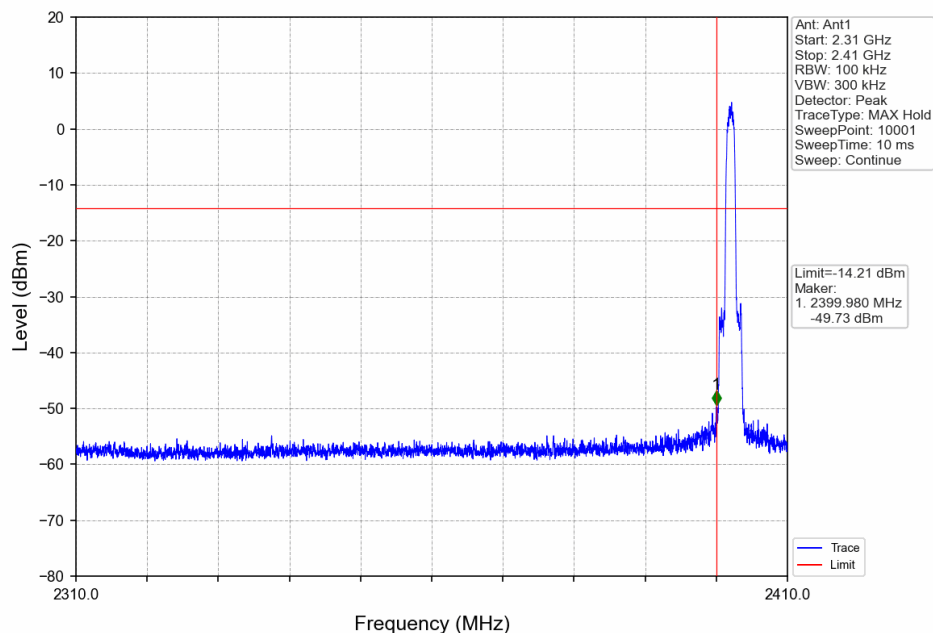
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GFSK_DH5_HOPP_Ant1_NTNV



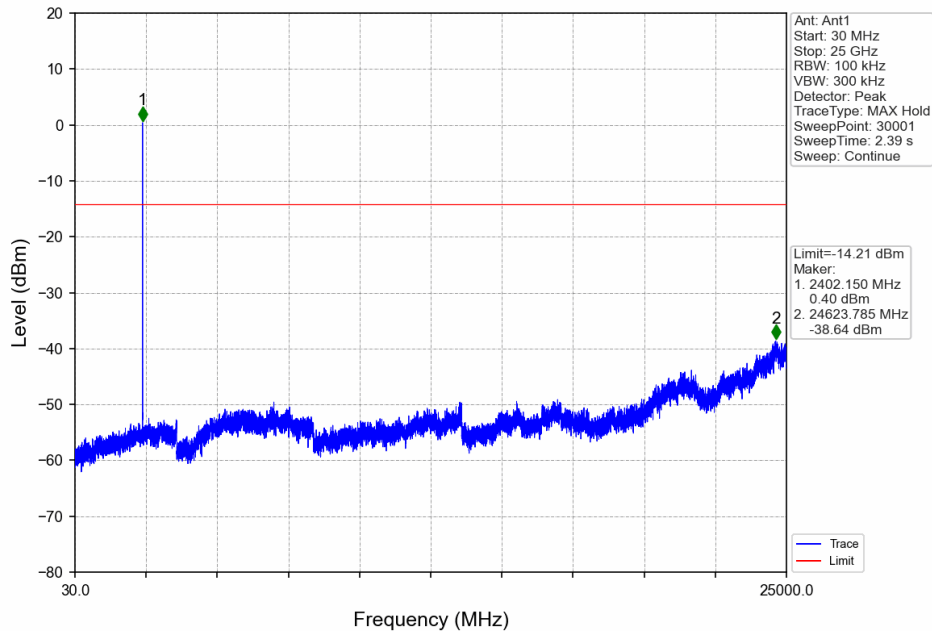
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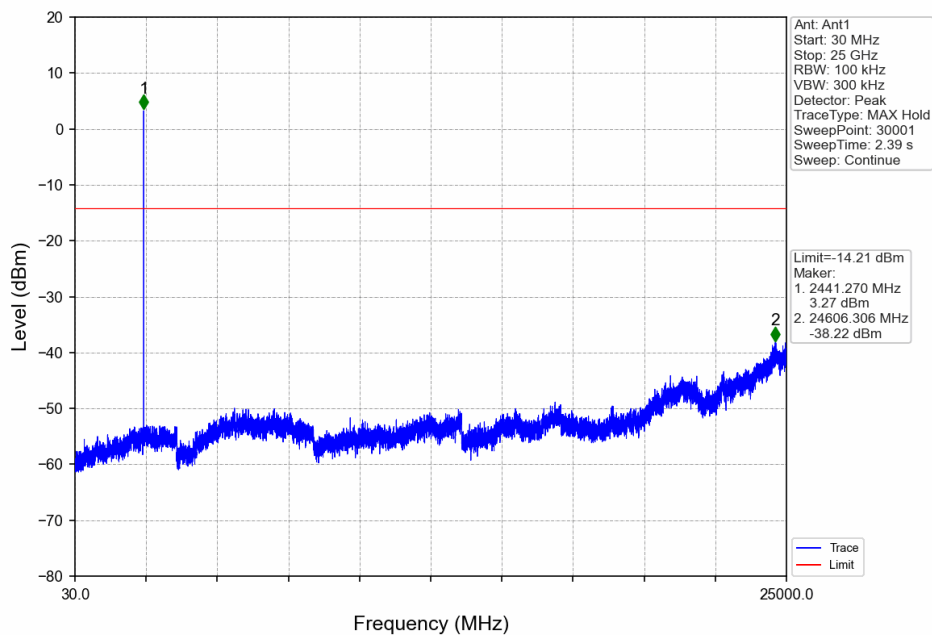
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Pi/4DQPSK_2DH5_LCH_2402MHz_Ant1_NTNV



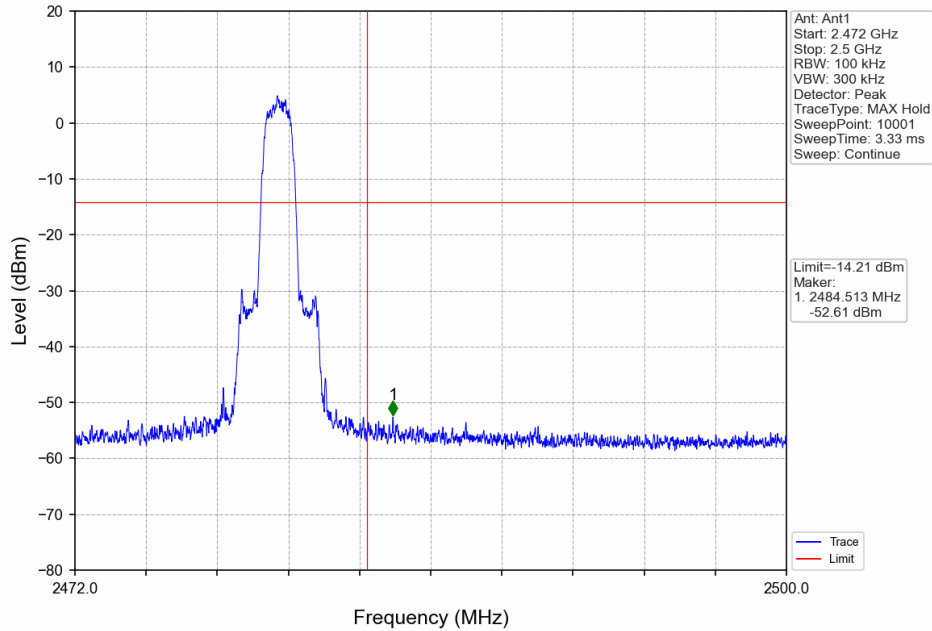
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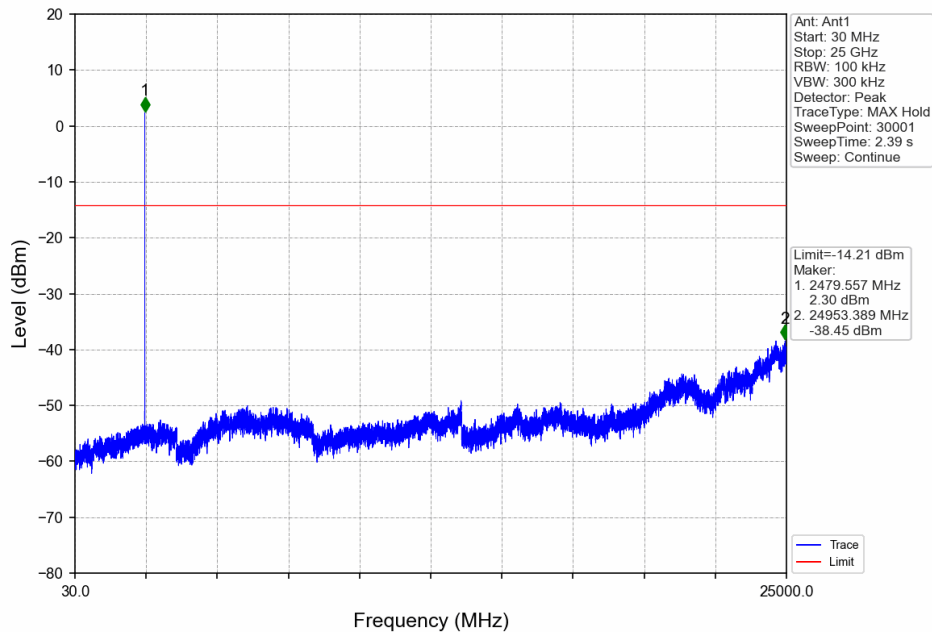
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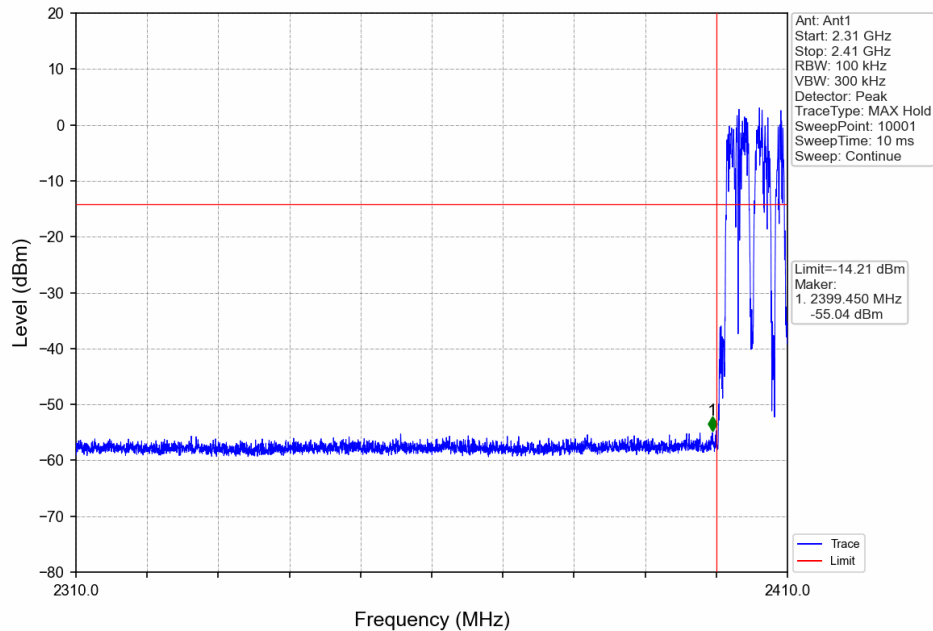
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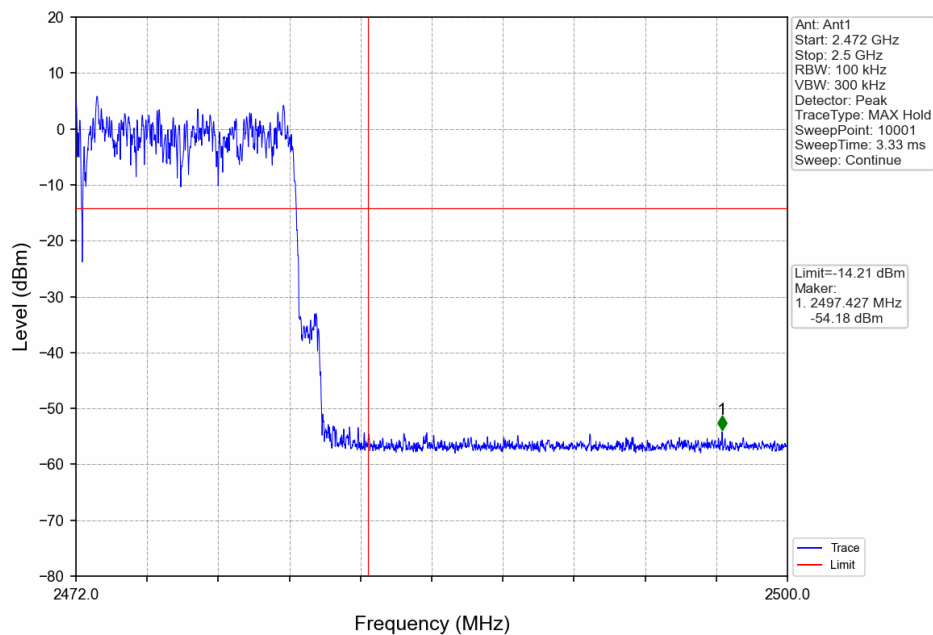
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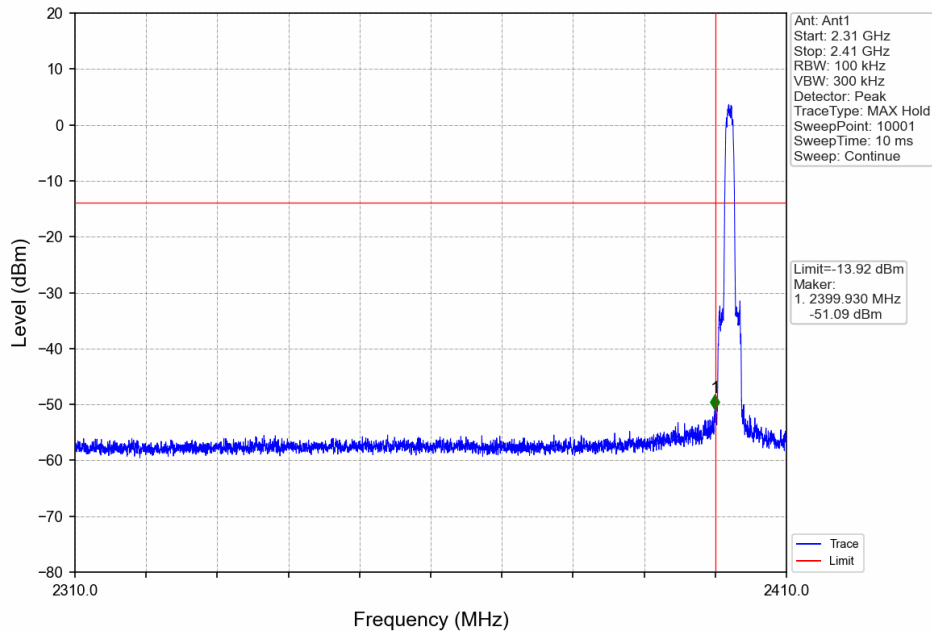
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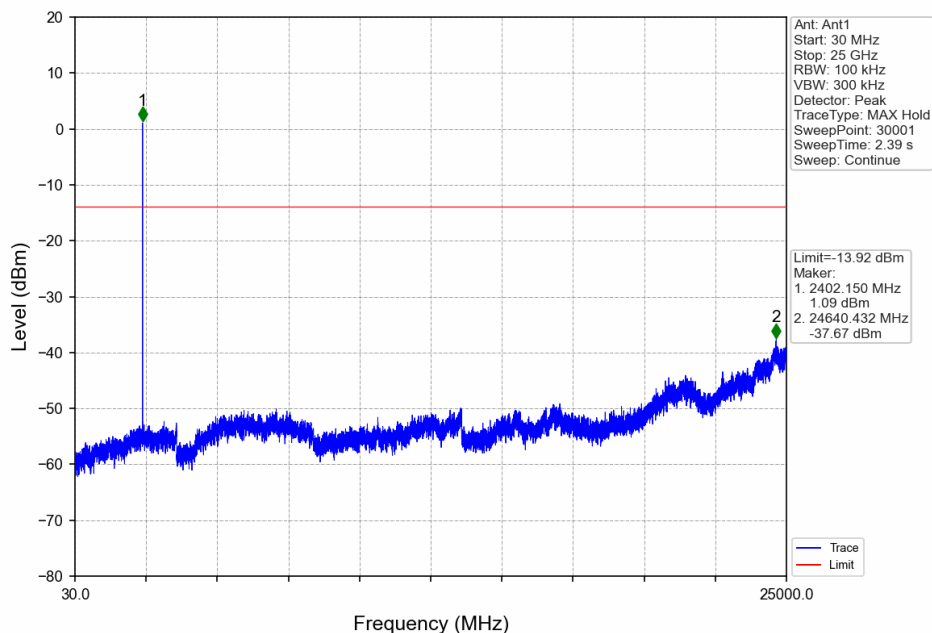
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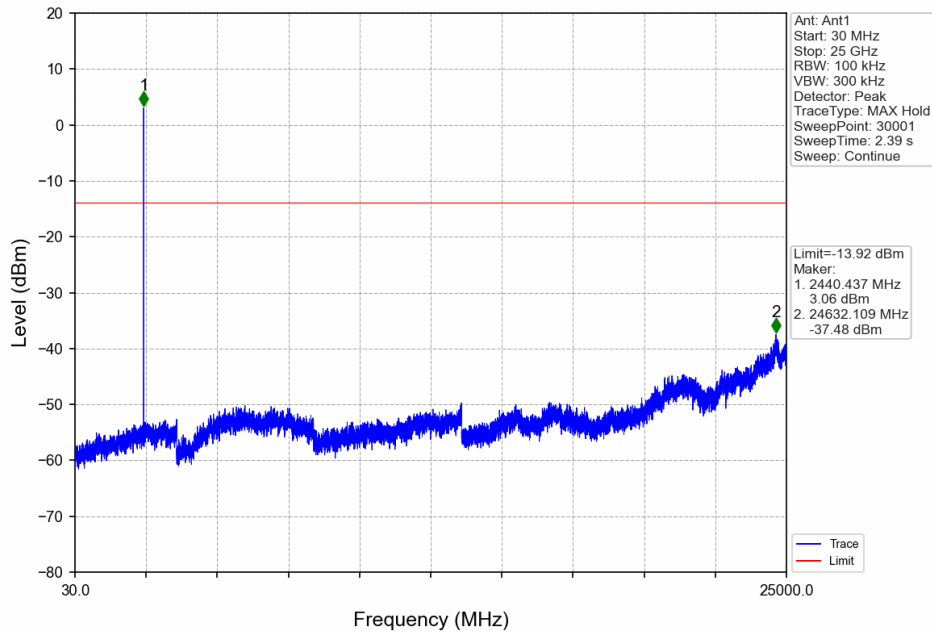
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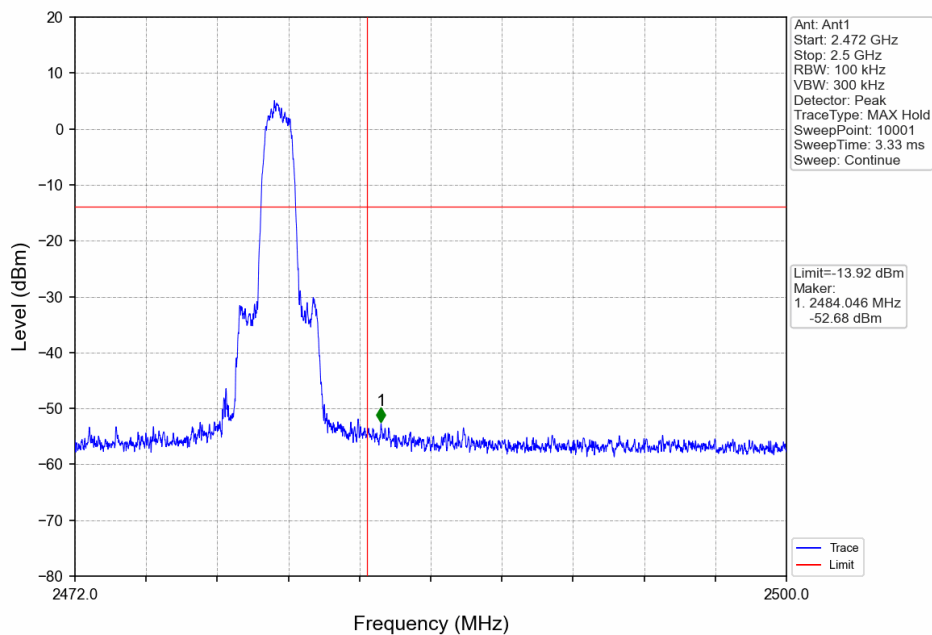
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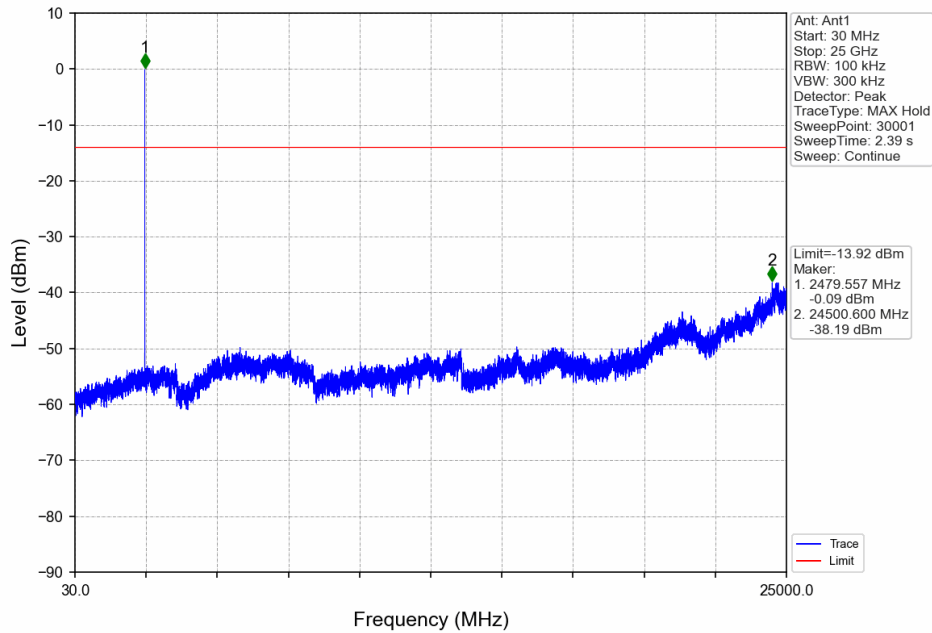
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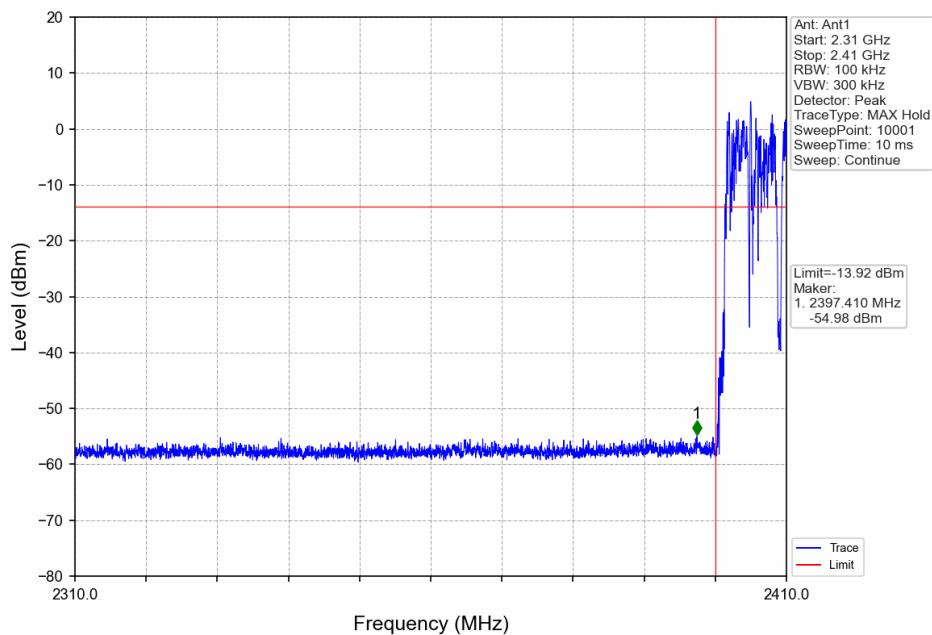
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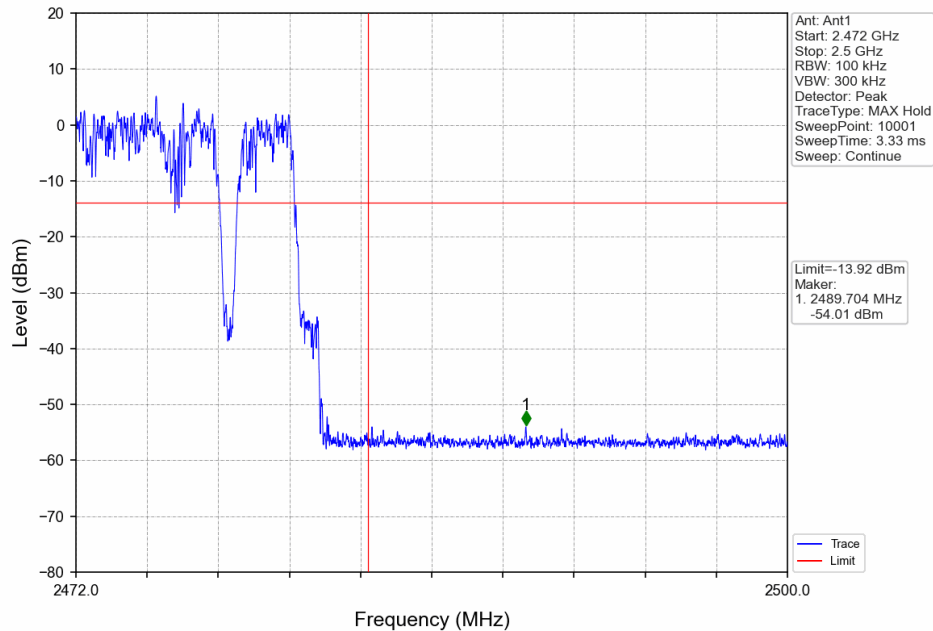
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8DPSK_3DH5_HOPP_Ant1_NTNV



- End of the Report -



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