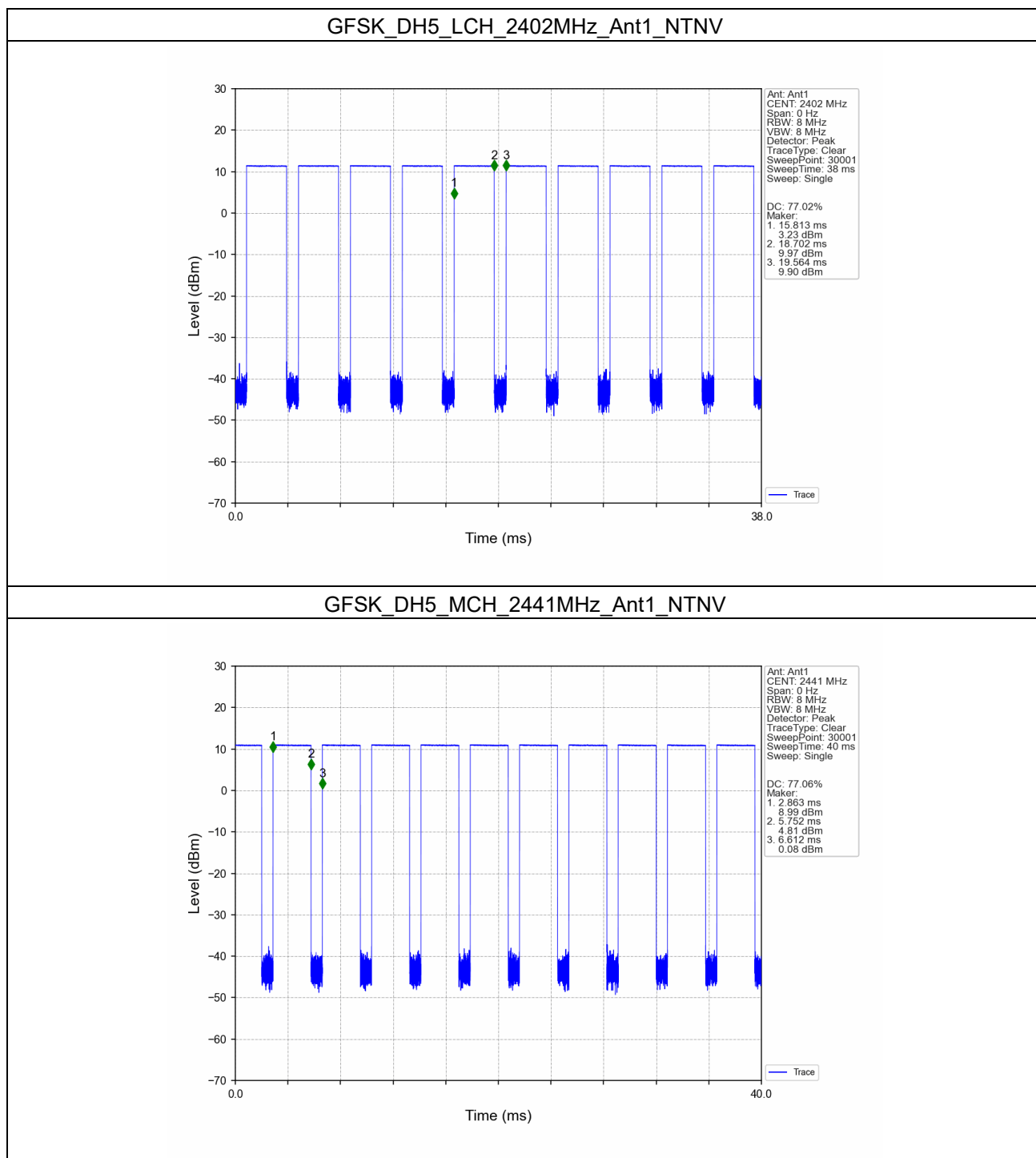


1.2 Test Graph

1.2.1 Ant1



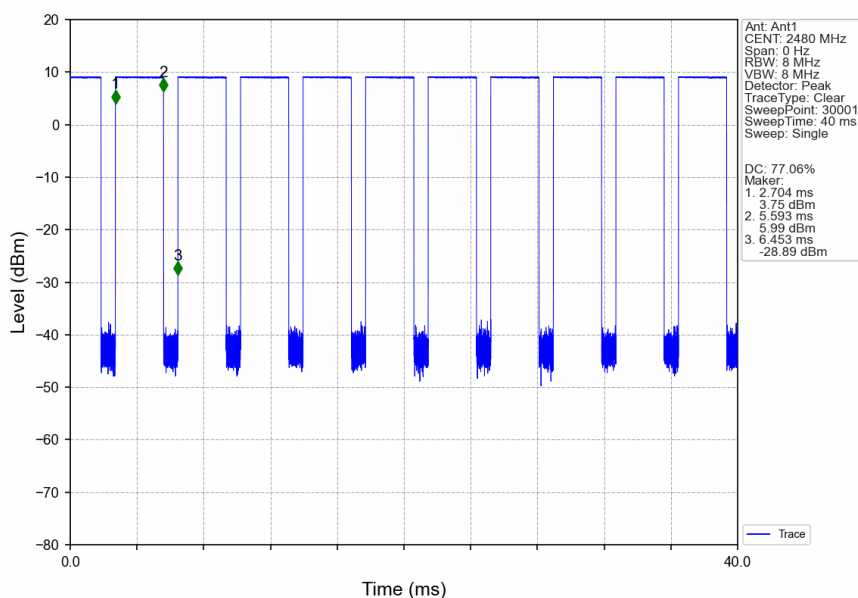
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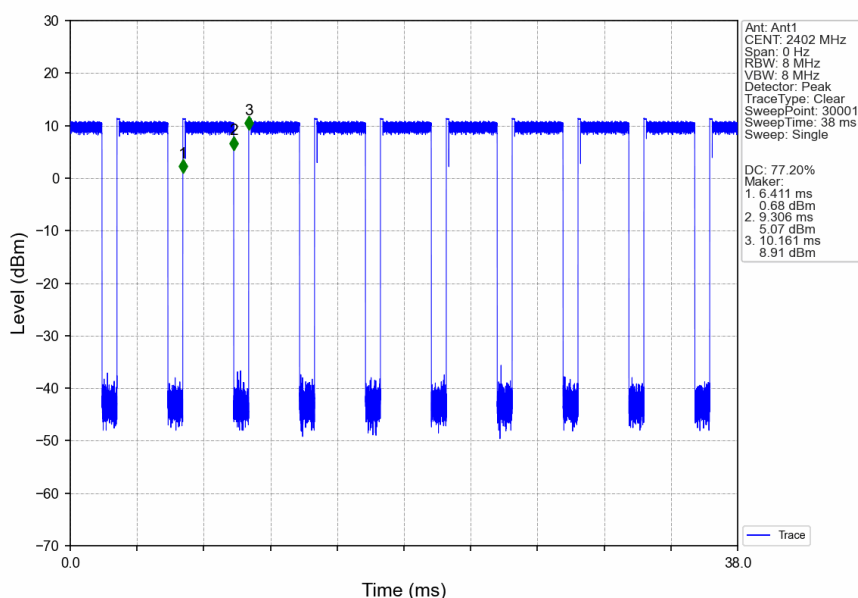
SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch Testing & Calibration Laboratory

No.1 Workshop, M-10, Middle Section, Science & Technology Park, Nanshan District, Shenzhen, Guangdong, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgs.com.cn
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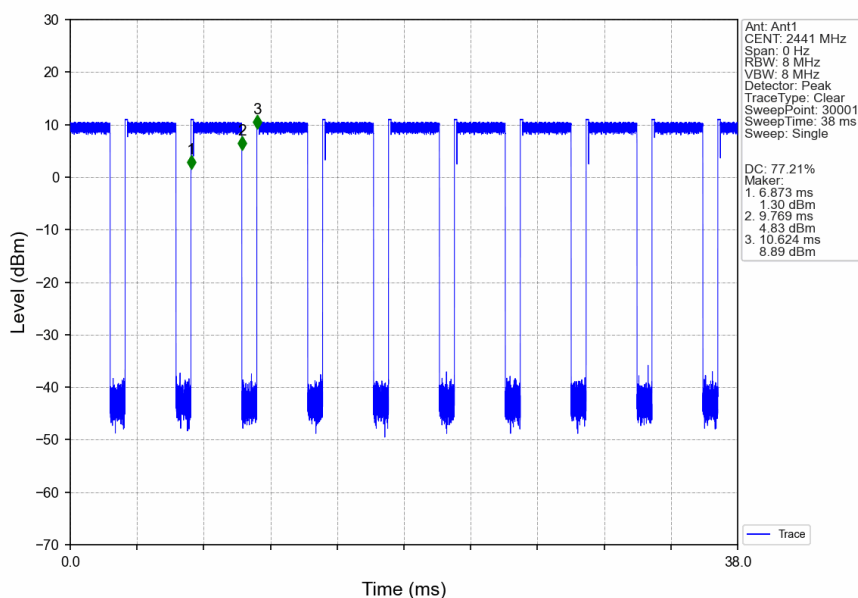
GFSK_DH5_HCH_2480MHz_Ant1_NTNV



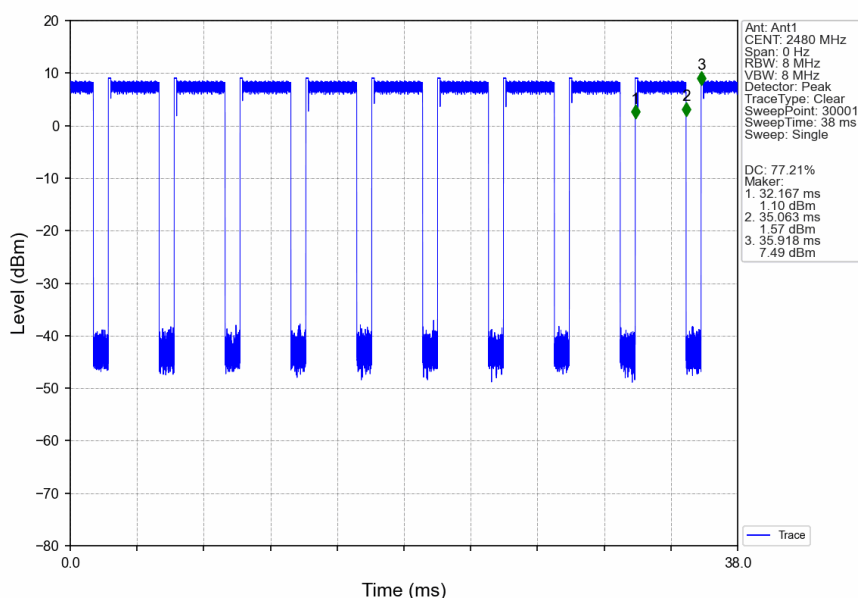
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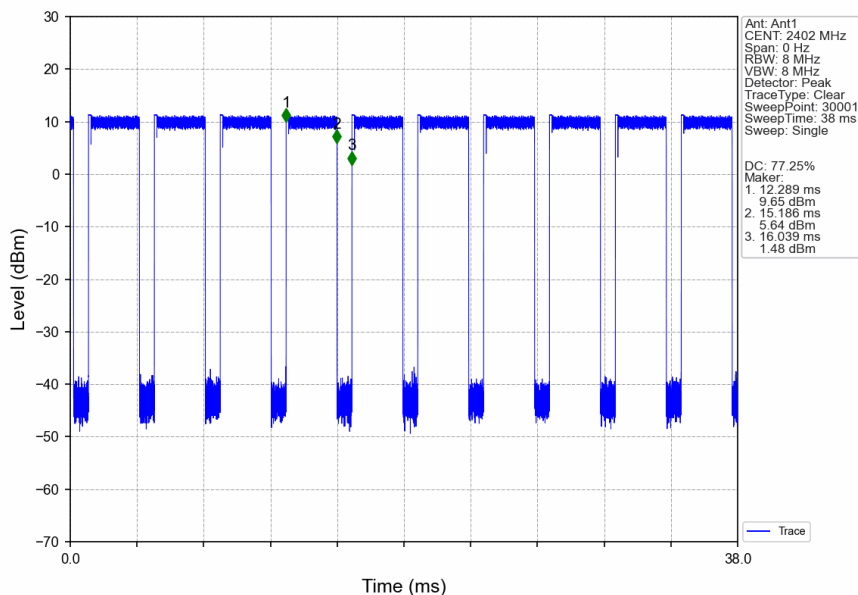
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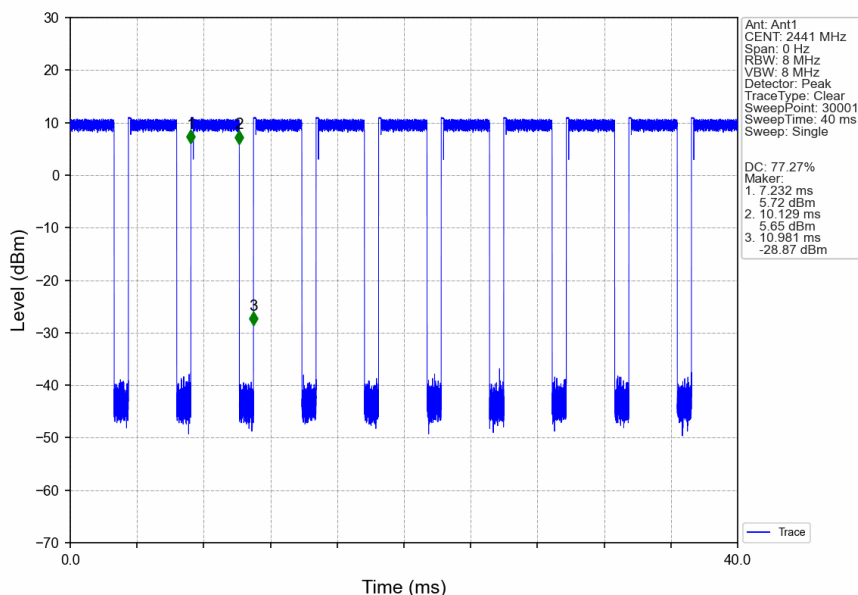
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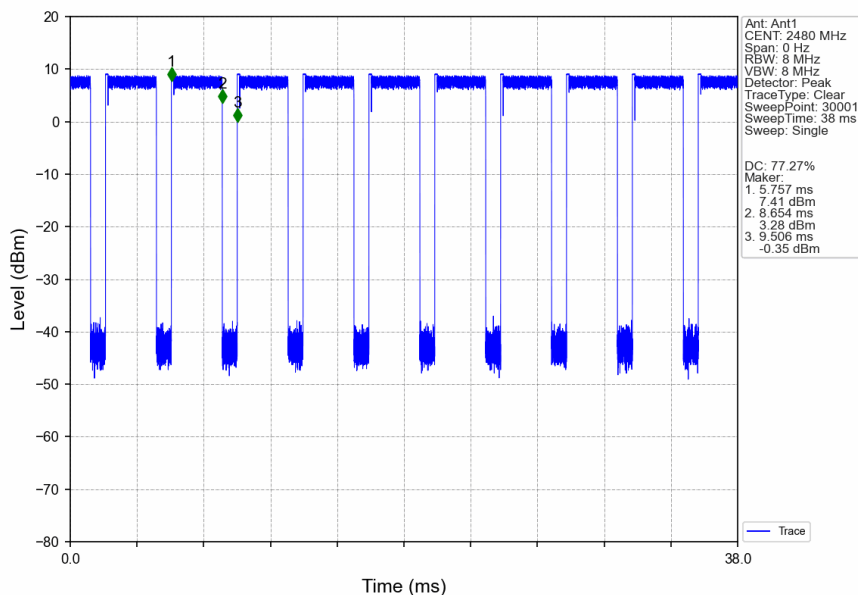
8DPSK_3DH5_LCH_2402MHz_Ant1_NTNV



8DPSK_3DH5_MCH_2441MHz_Ant1_NTNV



8DPSK_3DH5_HCH_2480MHz_Ant1_NTNV



2. Bandwidth

2.1 Test Result

2.1.1 OBW

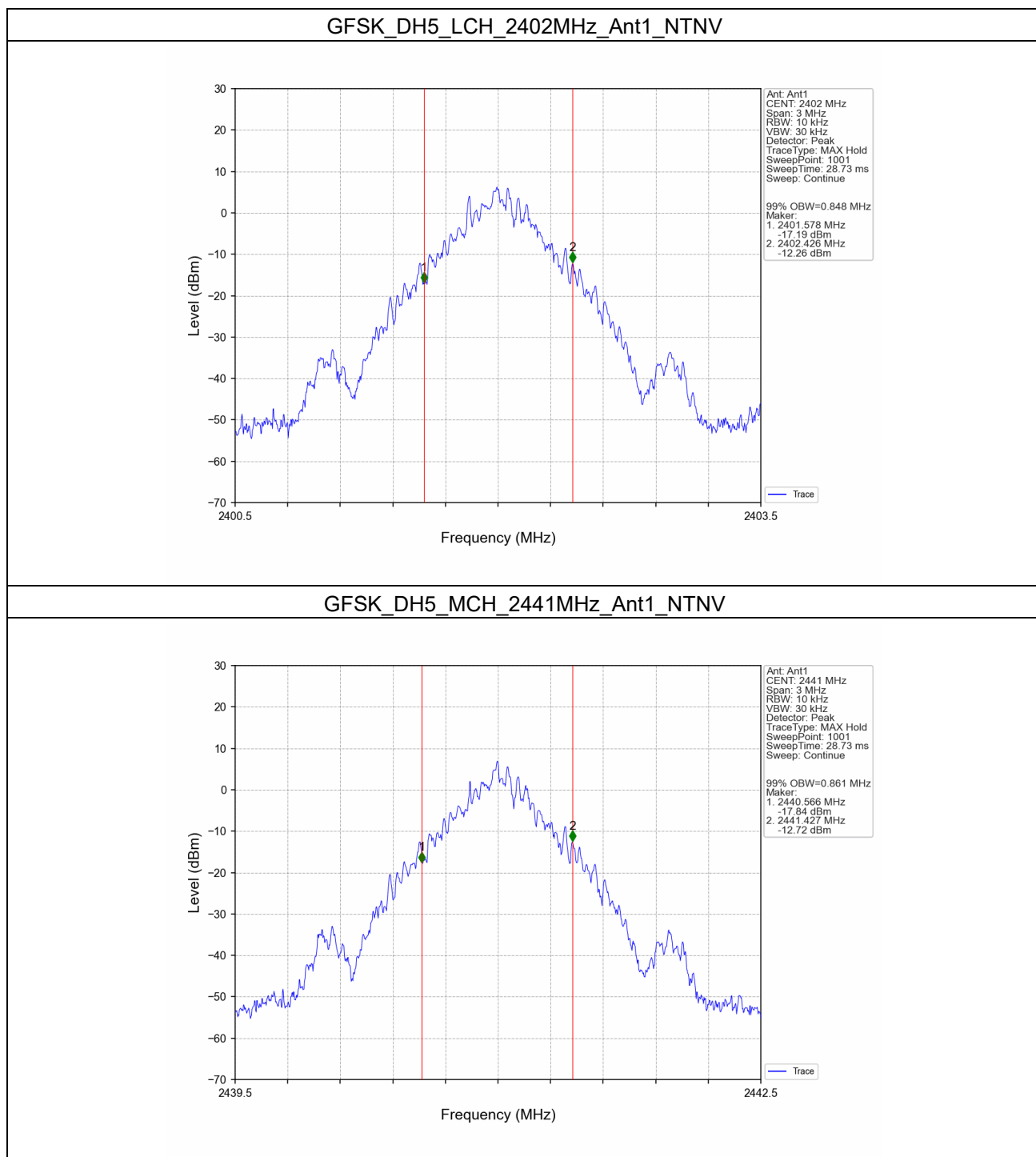
Mode	TX Type	Frequency (MHz)	Packet Type	ANT	99% Occupied Bandwidth (MHz)		Verdict
					Result	Limit	
GFSK	SISO	2402	DH5	1	0.848	/	Pass
		2441	DH5	1	0.861	/	Pass
		2480	DH5	1	0.859	/	Pass
Pi/4DQPSK	SISO	2402	2DH5	1	1.160	/	Pass
		2441	2DH5	1	1.175	/	Pass
		2480	2DH5	1	1.163	/	Pass
8DPSK	SISO	2402	3DH5	1	1.182	/	Pass
		2441	3DH5	1	1.165	/	Pass
		2480	3DH5	1	1.163	/	Pass

2.1.2 20dB BW

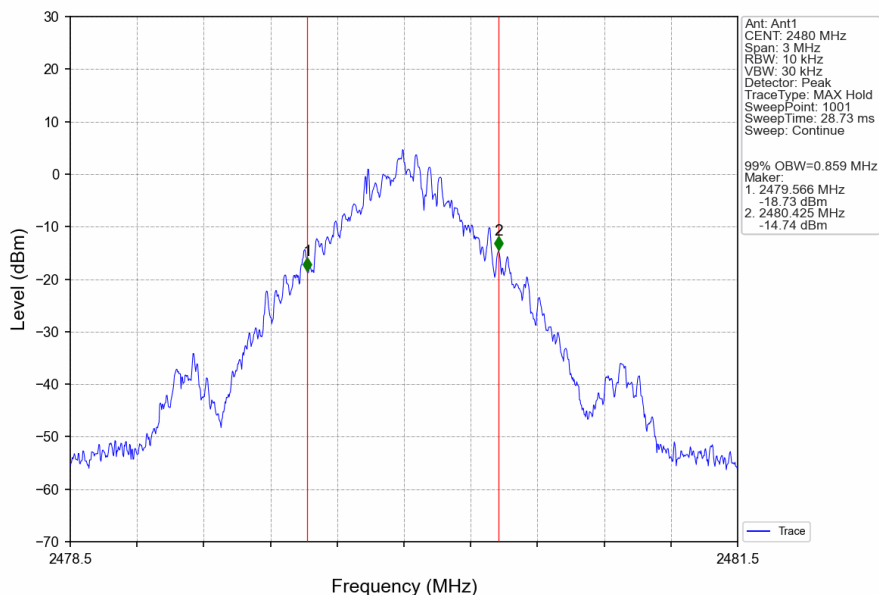
Mode	TX Type	Frequency (MHz)	Packet Type	ANT	20dB Bandwidth (MHz)		Verdict
					Result	Limit	
GFSK	SISO	2402	DH5	1	0.879	/	Pass
		2441	DH5	1	0.920	/	Pass
		2480	DH5	1	0.885	/	Pass
Pi/4DQPSK	SISO	2402	2DH5	1	1.201	/	Pass
		2441	2DH5	1	1.203	/	Pass
		2480	2DH5	1	1.201	/	Pass
8DPSK	SISO	2402	3DH5	1	1.242	/	Pass
		2441	3DH5	1	1.249	/	Pass
		2480	3DH5	1	1.243	/	Pass

2.2 Test Graph

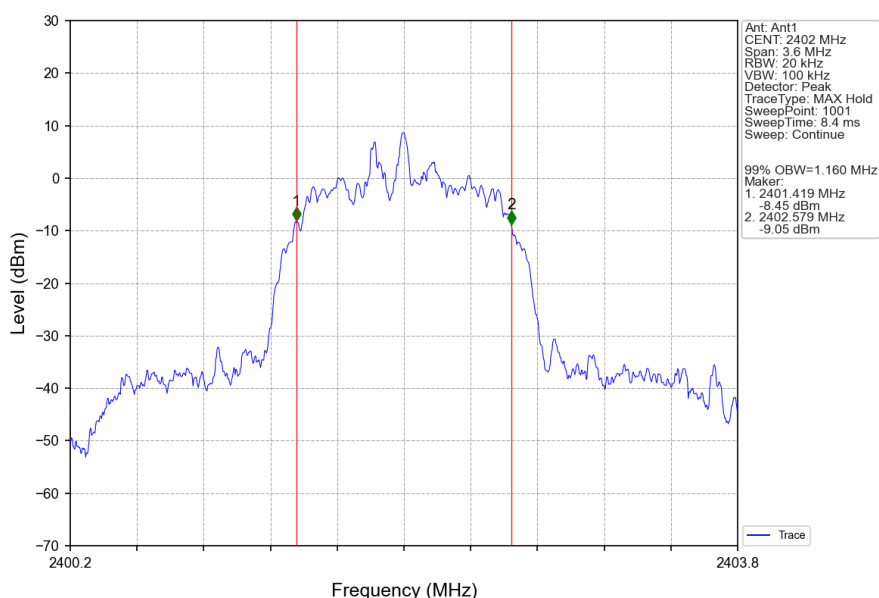
2.2.1 OBW



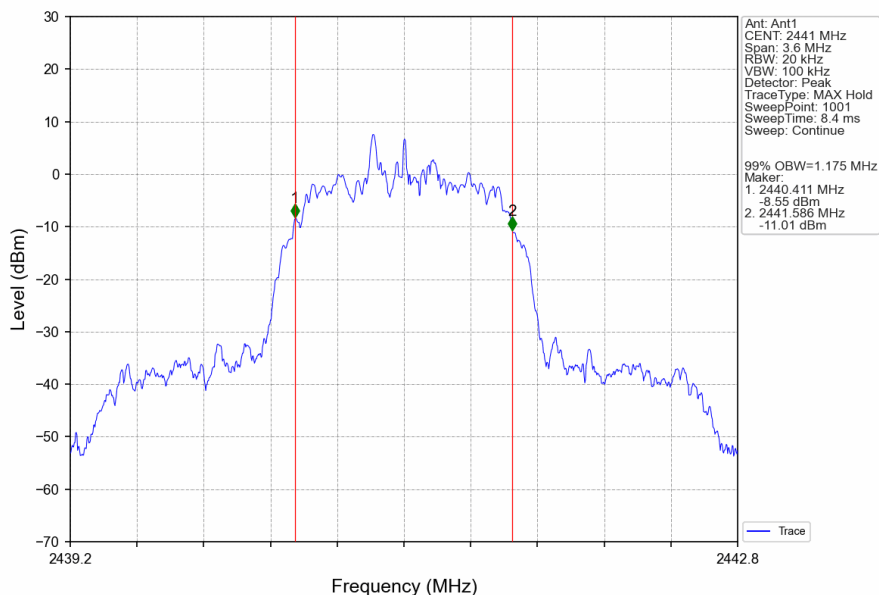
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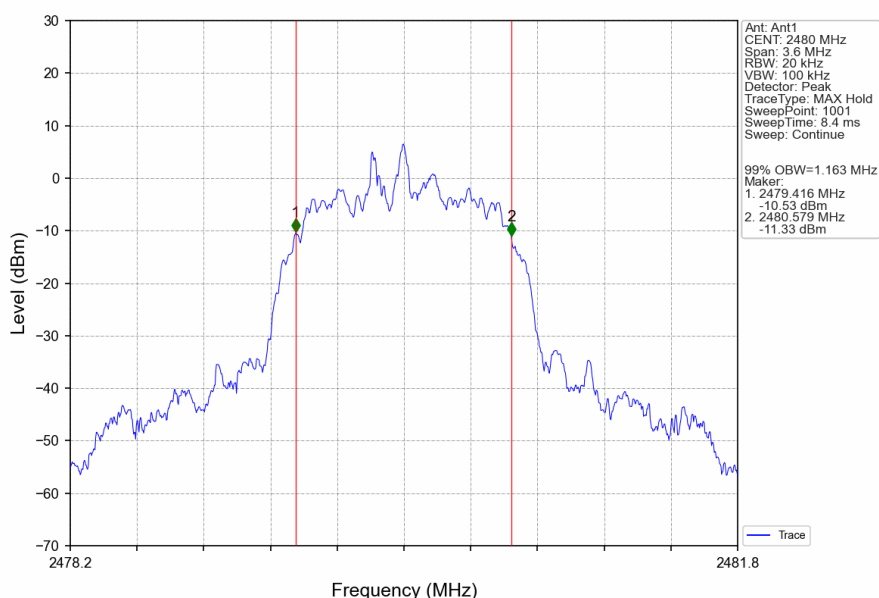
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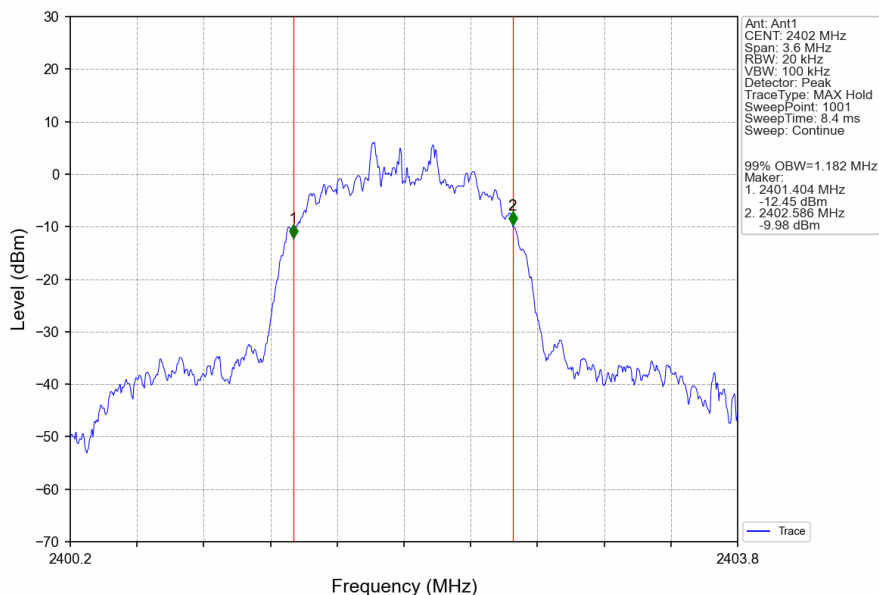
Pi/4DQPSK_2DH5_MCH_2441MHz_Ant1_NTNV



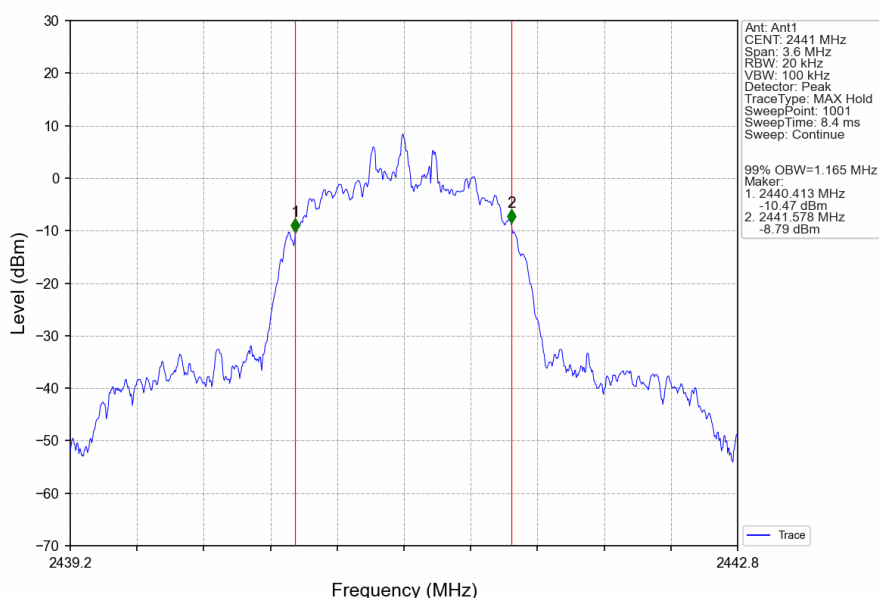
Pi/4DQPSK_2DH5_HCH_2480MHz_Ant1_NTNV



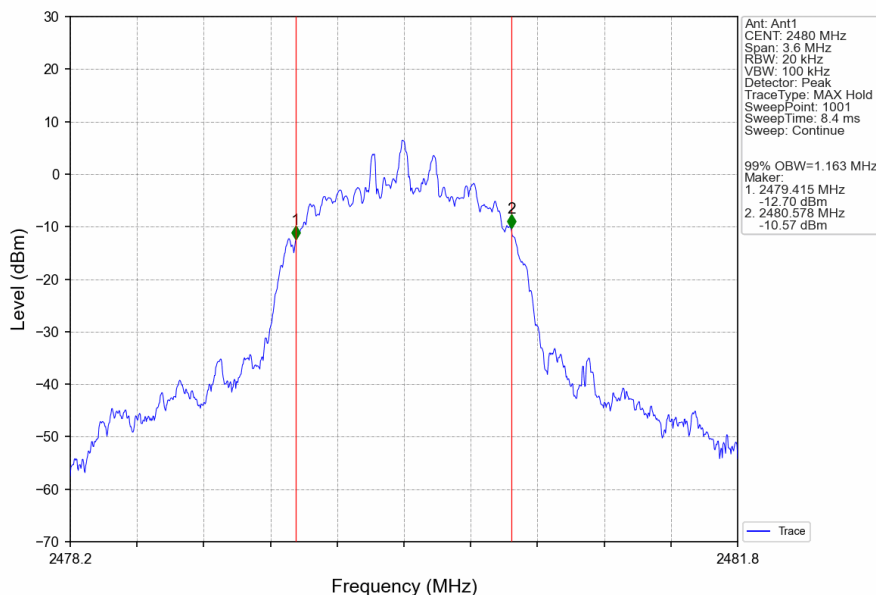
8DPSK_3DH5_LCH_2402MHz_Ant1_NTNV



8DPSK_3DH5_MCH_2441MHz_Ant1_NTNV



8DPSK_3DH5_HCH_2480MHz_Ant1_NTNV



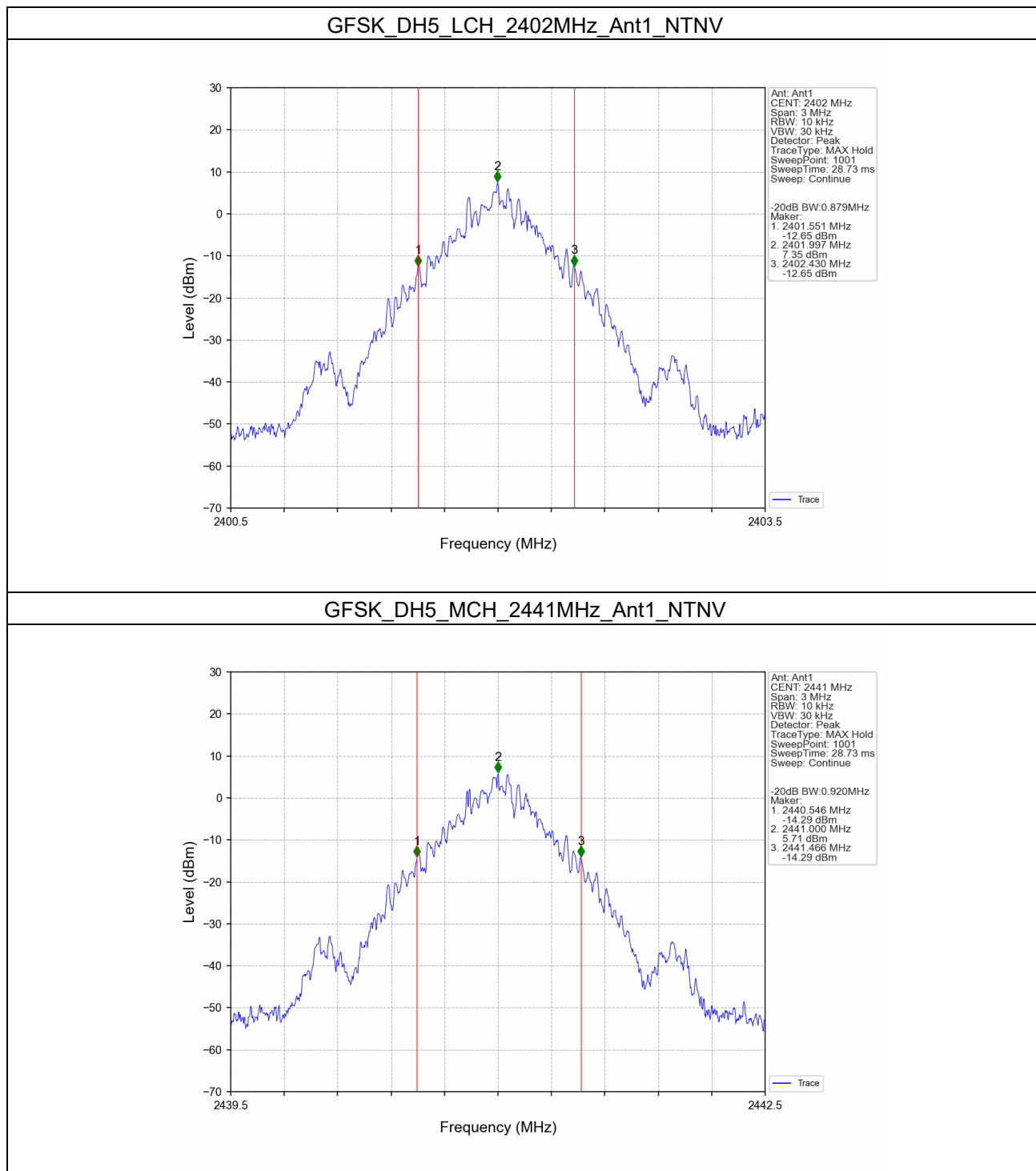
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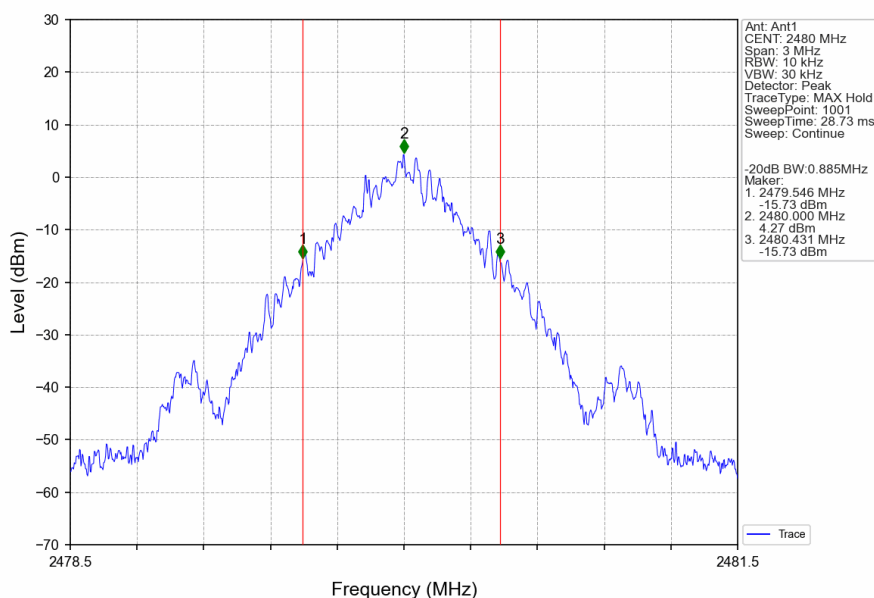
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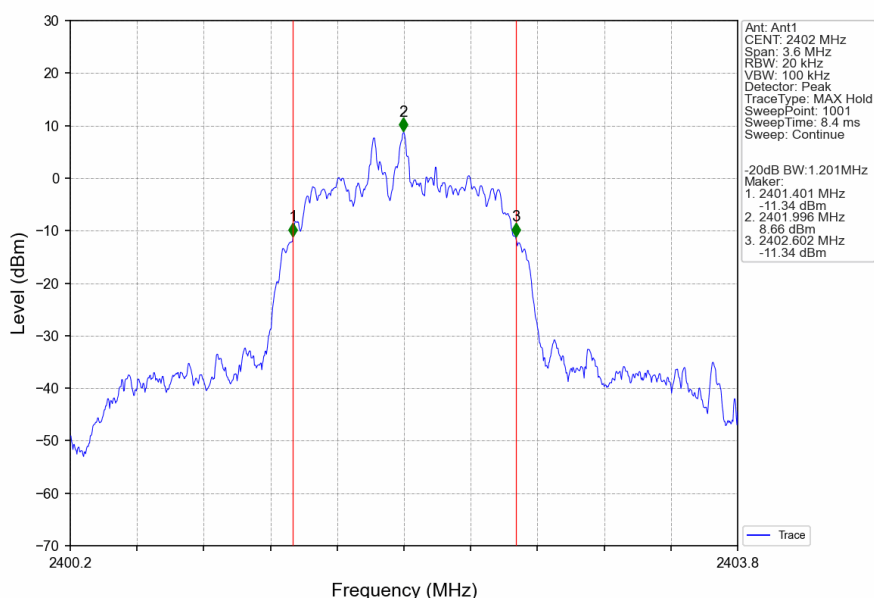
2.2.2 20dB BW



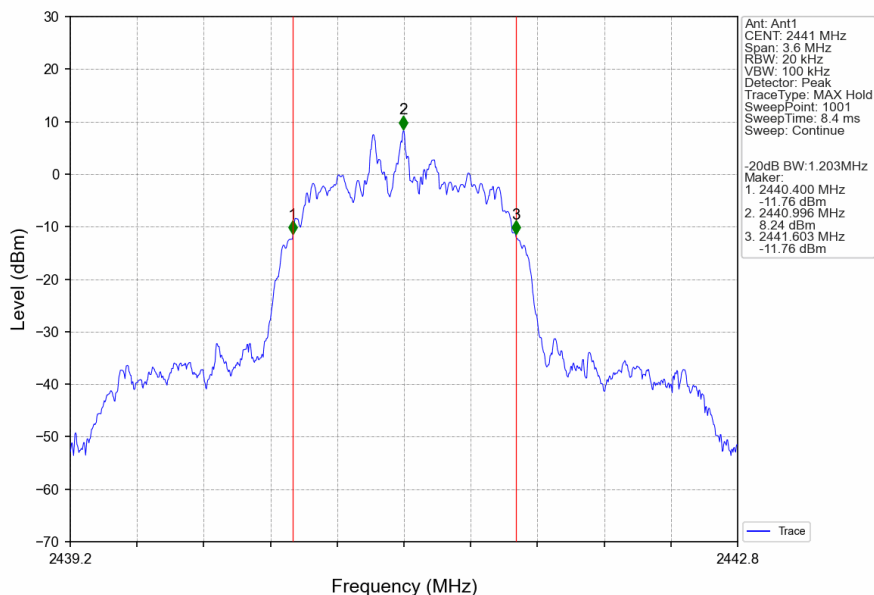
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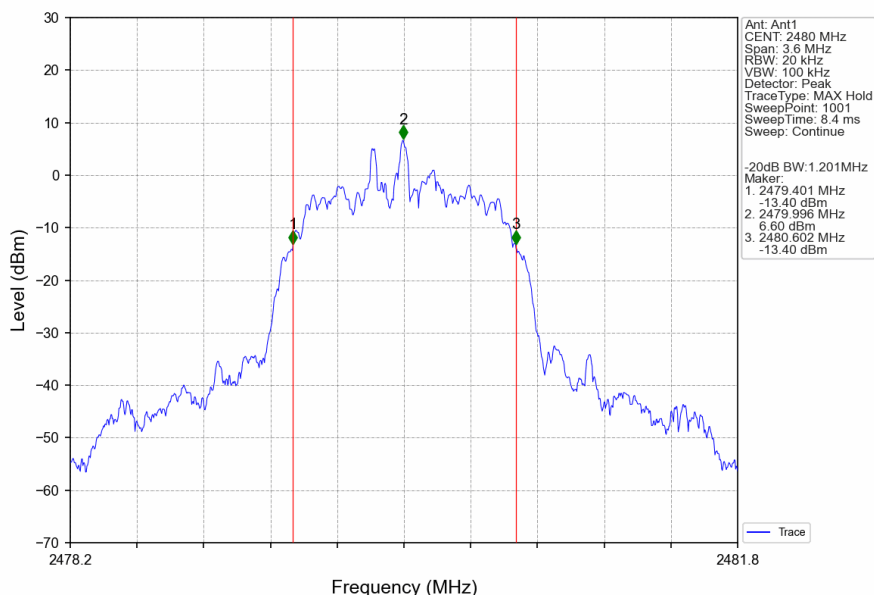
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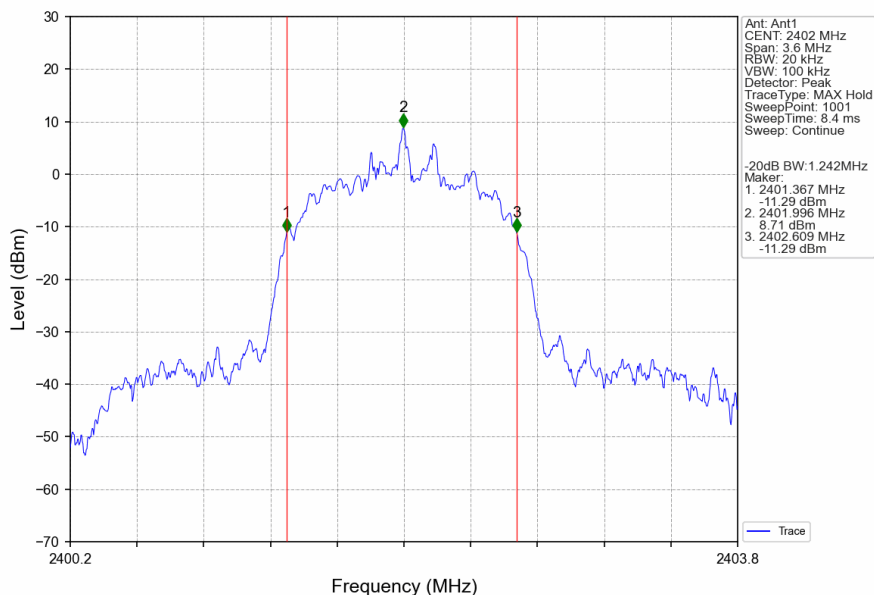
Pi/4DQPSK_2DH5_MCH_2441MHz_Ant1_NTNV



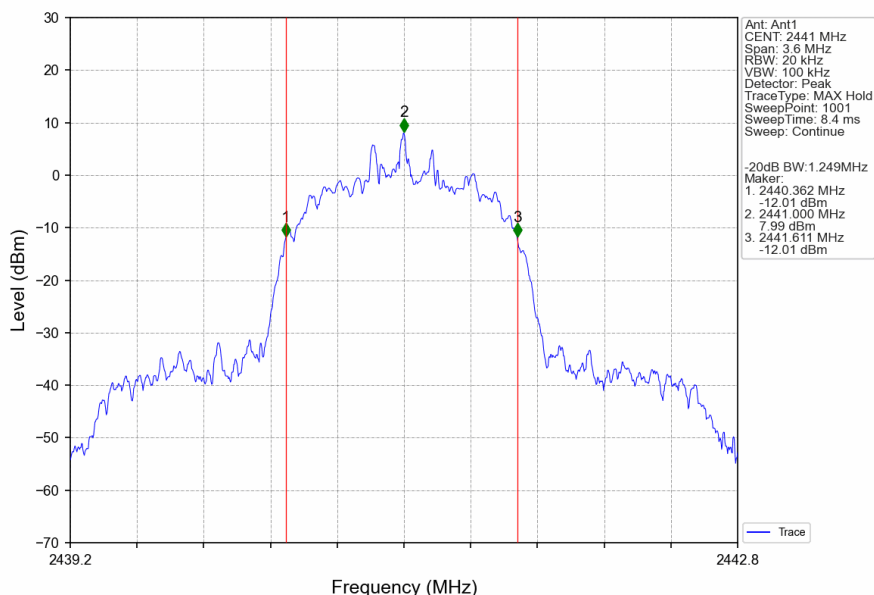
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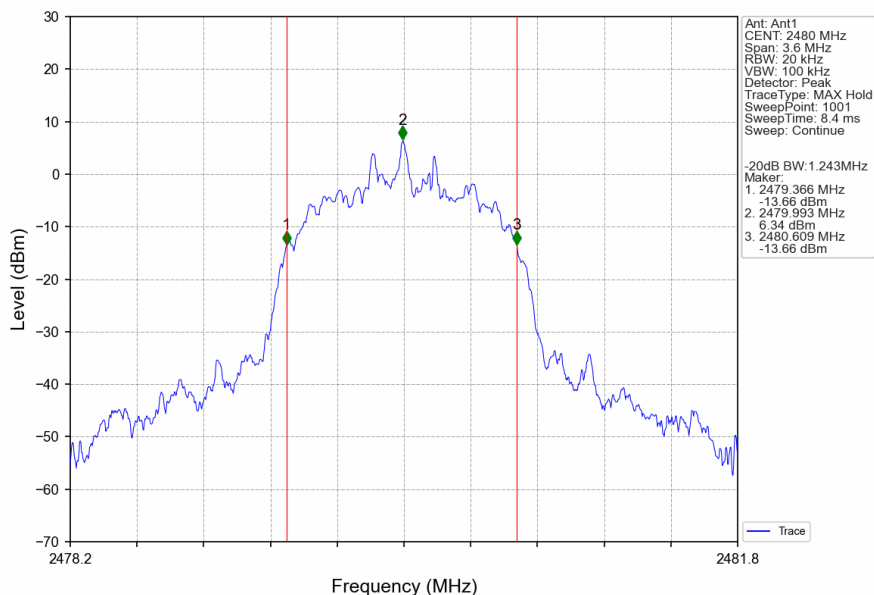
8DPSK_3DH5_LCH_2402MHz_Ant1_NTNV



8DPSK_3DH5_MCH_2441MHz_Ant1_NTNV



8DPSK_3DH5_HCH_2480MHz_Ant1_NTNV



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3. Maximum Conducted Output Power

3.1 Test Result

3.1.1 Power

Mode	TX Type	Frequency (MHz)	Packet Type	Maximum Peak Conducted Output Power (dBm)		Verdict
				ANT1	Limit	
GFSK	SISO	2402	DH5	11.31	<=30	Pass
		2441	DH5	10.92	<=30	Pass
		2480	DH5	9.09	<=30	Pass
Pi/4DQPSK	SISO	2402	2DH5	11.33	<=30	Pass
		2441	2DH5	11.00	<=30	Pass
		2480	2DH5	9.09	<=30	Pass
8DPSK	SISO	2402	3DH5	11.25	<=20.97	Pass
		2441	3DH5	10.94	<=20.97	Pass
		2480	3DH5	9.07	<=20.97	Pass

Note1: Antenna Gain: Ant1: -3.04dBi;

4. Carrier Frequency Separation

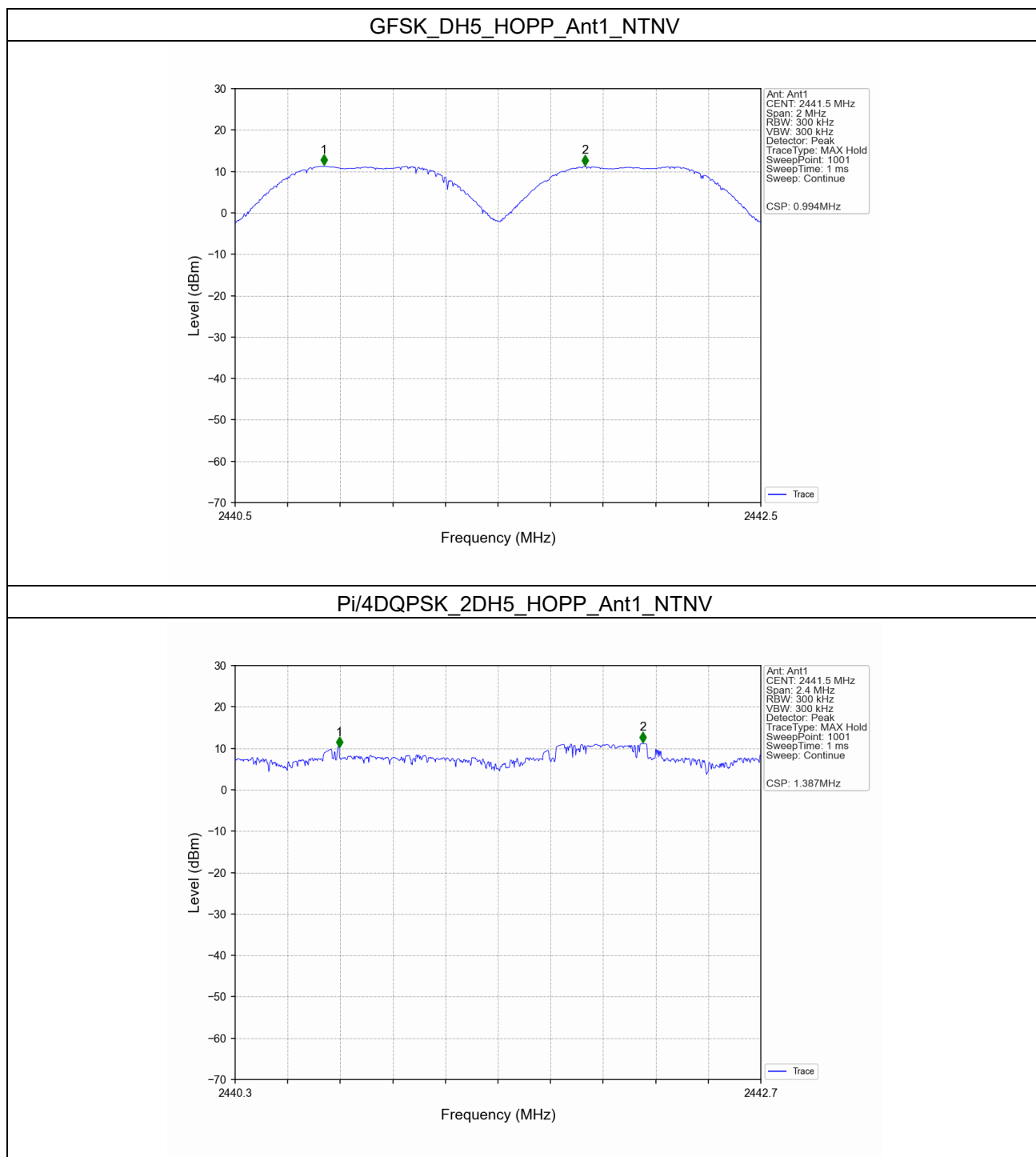
4.1 Test Result

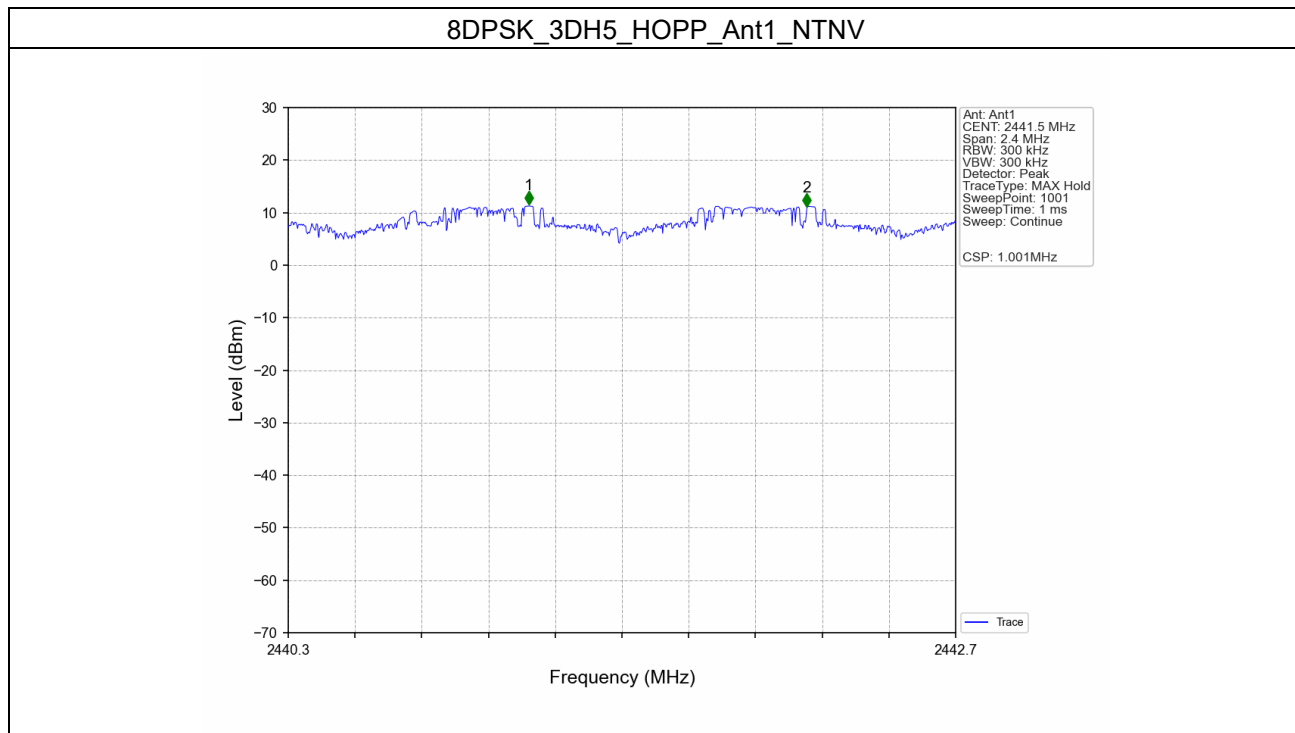
4.1.1 Ant1

Ant1							
Mode	TX Type	Frequency (MHz)	Packet Type	Channel Separation (MHz)	20dB Bandwidth (MHz)	Limit (MHz)	Verdict
GFSK	SISO	HOPP	DH5	0.994	0.920	>=0.92	Pass
Pi/4DQPSK	SISO	HOPP	2DH5	1.387	1.203	>=1.203	Pass
8DPSK	SISO	HOPP	3DH5	1.001	1.249	>=0.833	Pass

4.2 Test Graph

4.2.1 Ant1





5. Number of Hopping Frequencies

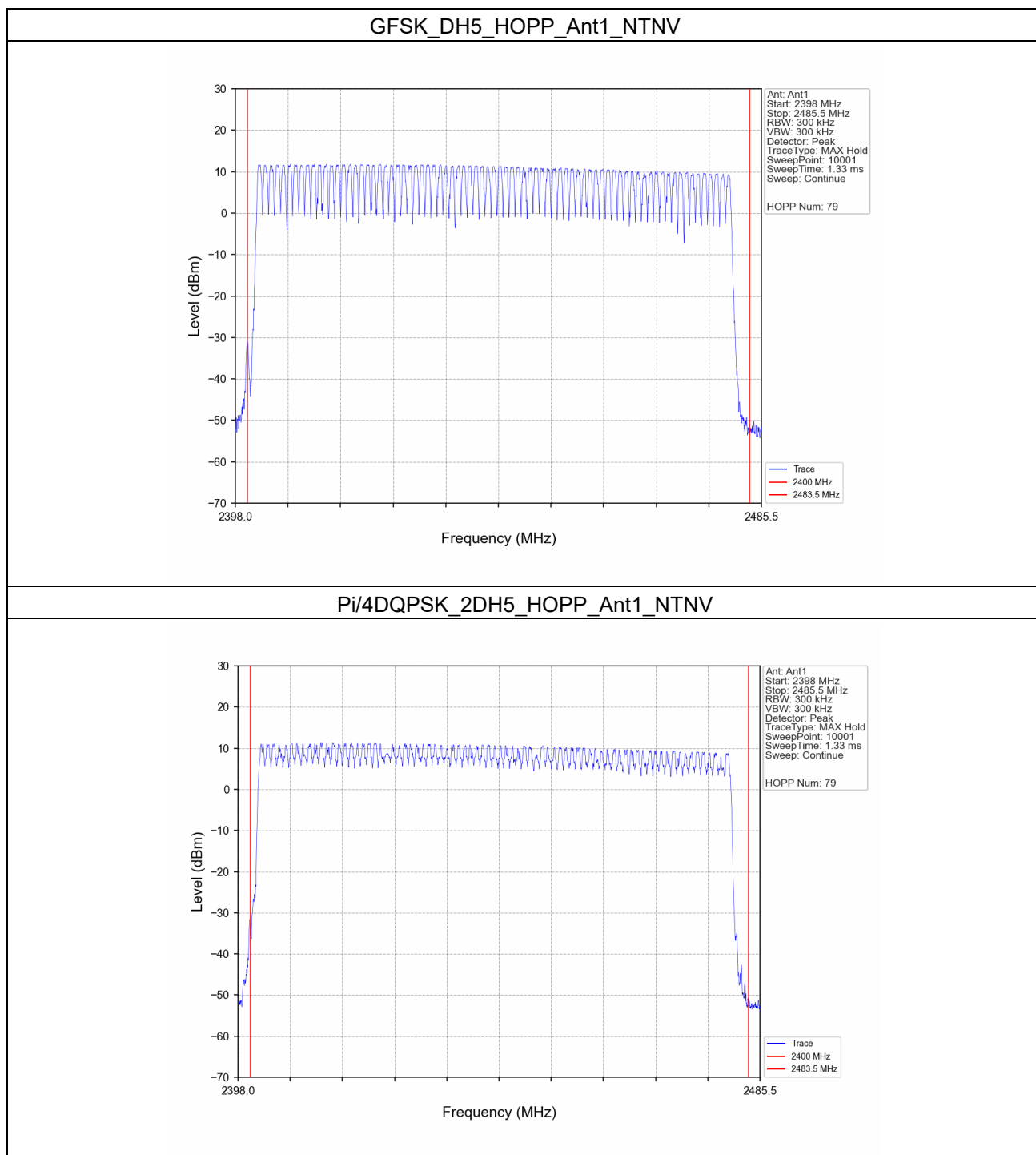
5.1 Test Result

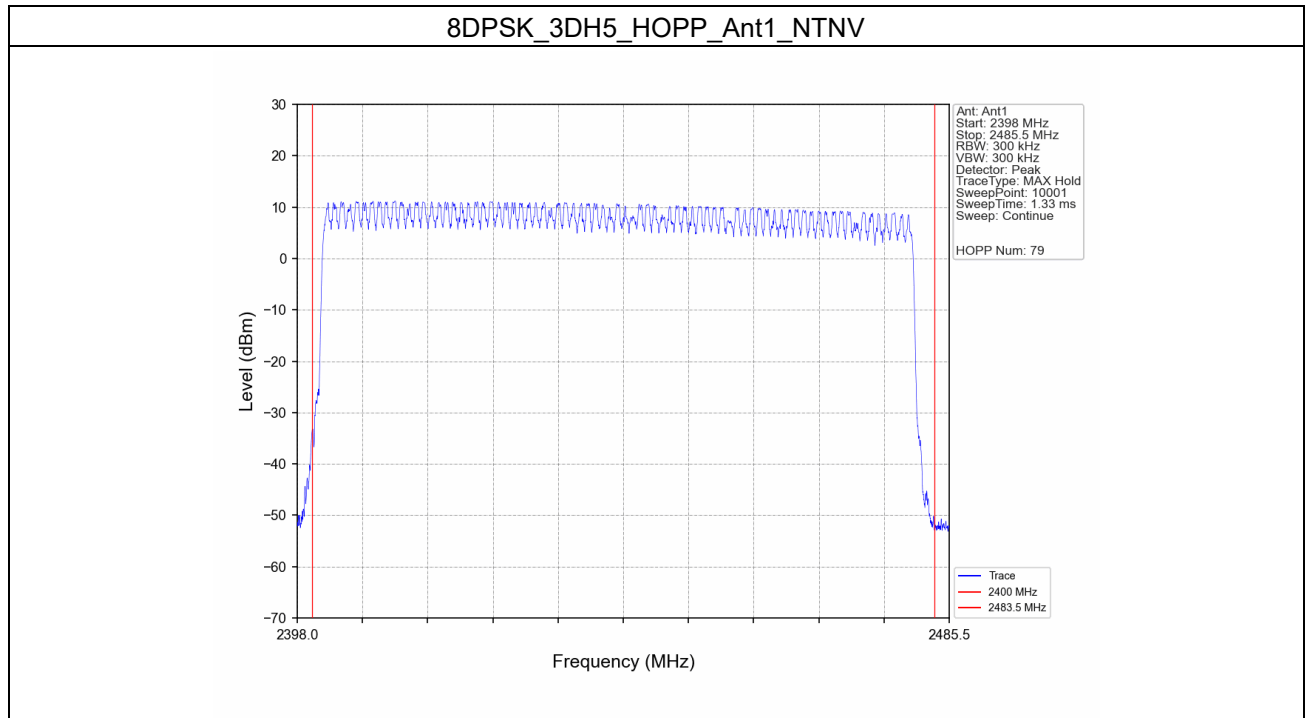
5.1.1 HoppNum

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

5.2 Test Graph

5.2.1 HoppNum





6. Time of Occupancy (Dwell Time)

6.1 Test Result

6.1.1 Ant1

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	0.394	31.600	319	125.686	<=400	Pass
			DH3	1.650	31.600	164	270.600	<=400	Pass
			DH5	2.898	31.600	111	321.678	<=400	Pass
Pi/4DQPSK	SISO	HOPP	2DH1	0.398	31.600	319	126.962	<=400	Pass
			2DH3	1.652	31.600	161	265.972	<=400	Pass
			2DH5	2.902	31.600	110	319.220	<=400	Pass
8DPSK	SISO	HOPP	3DH1	0.400	31.600	318	127.200	<=400	Pass
			3DH3	1.654	31.600	160	264.640	<=400	Pass
			3DH5	2.904	31.600	107	310.728	<=400	Pass

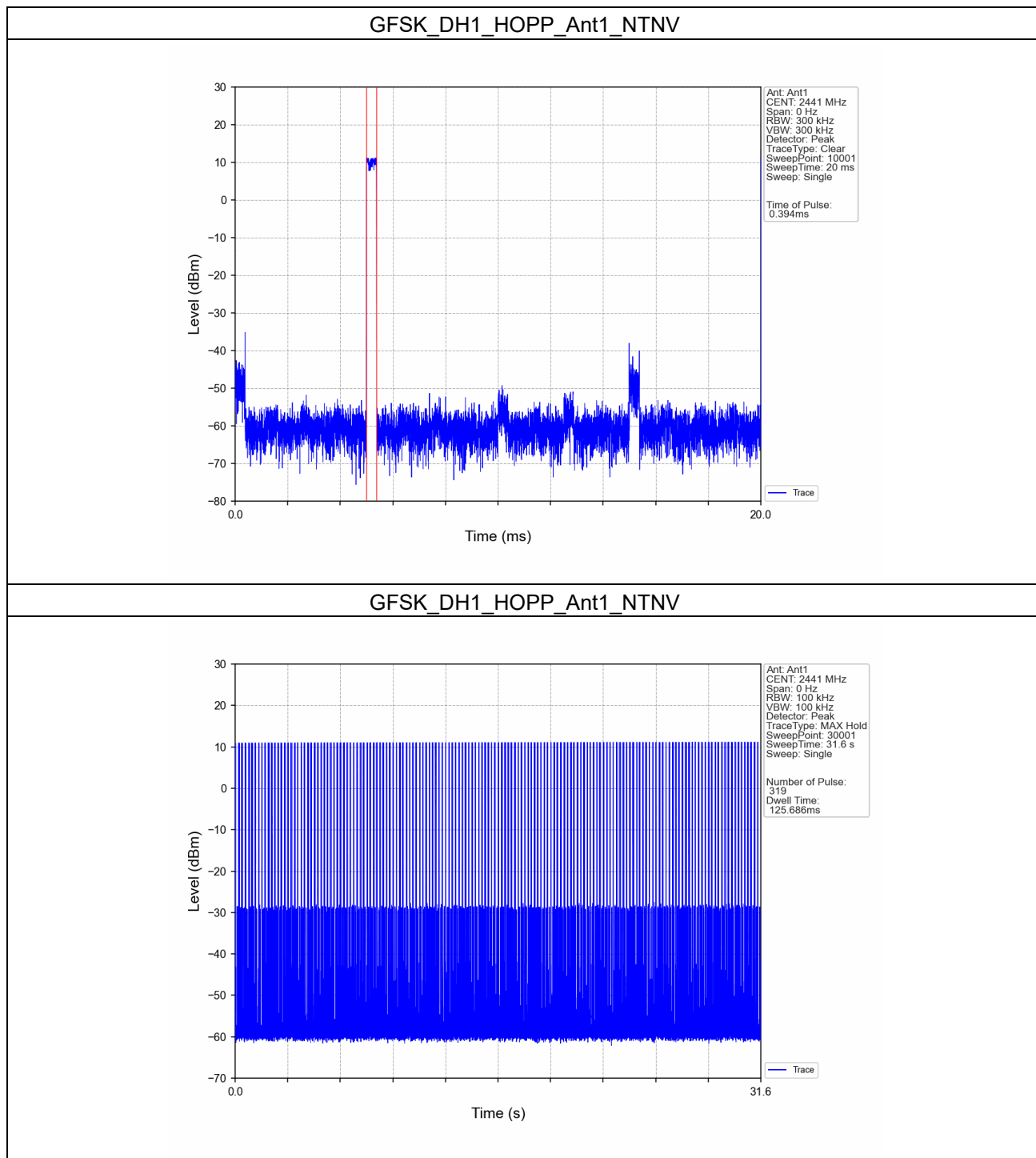


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6.2 Test Graph

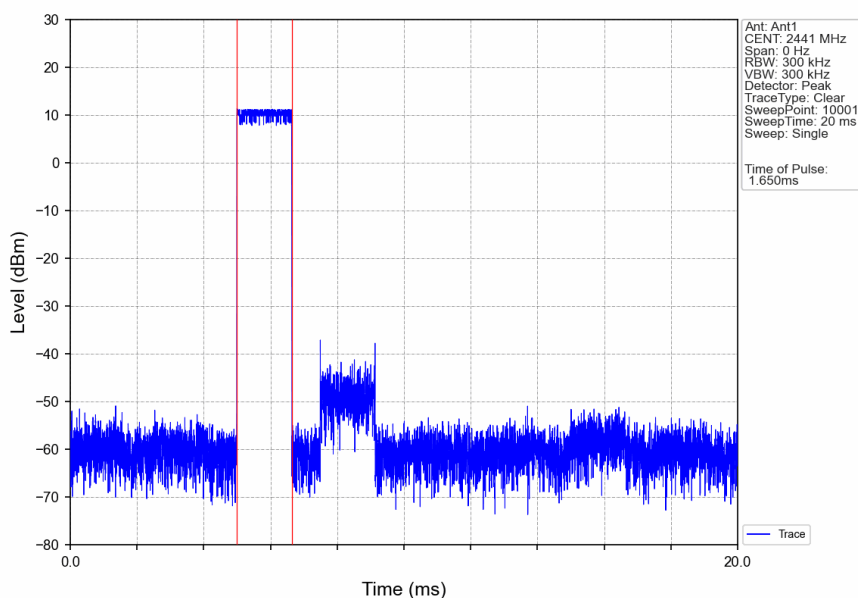
6.2.1 Ant1



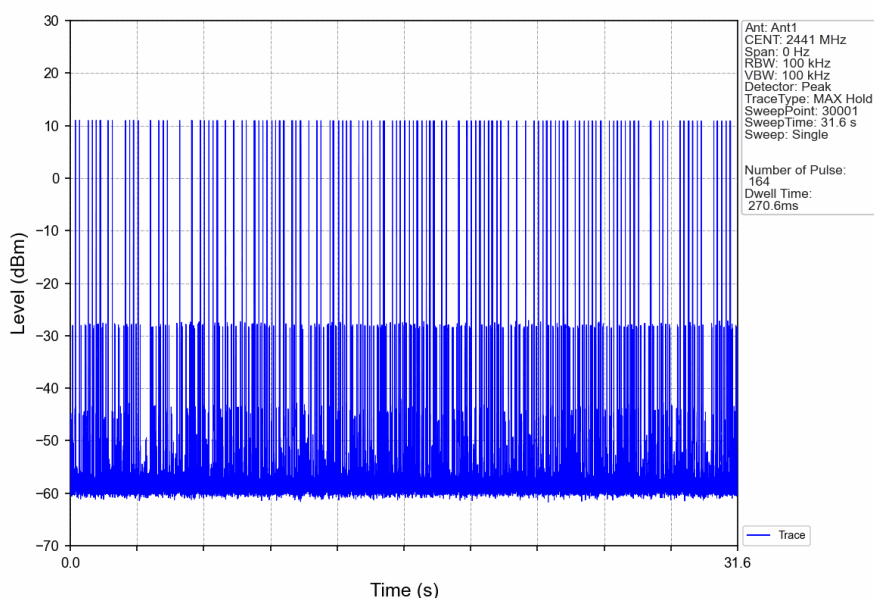
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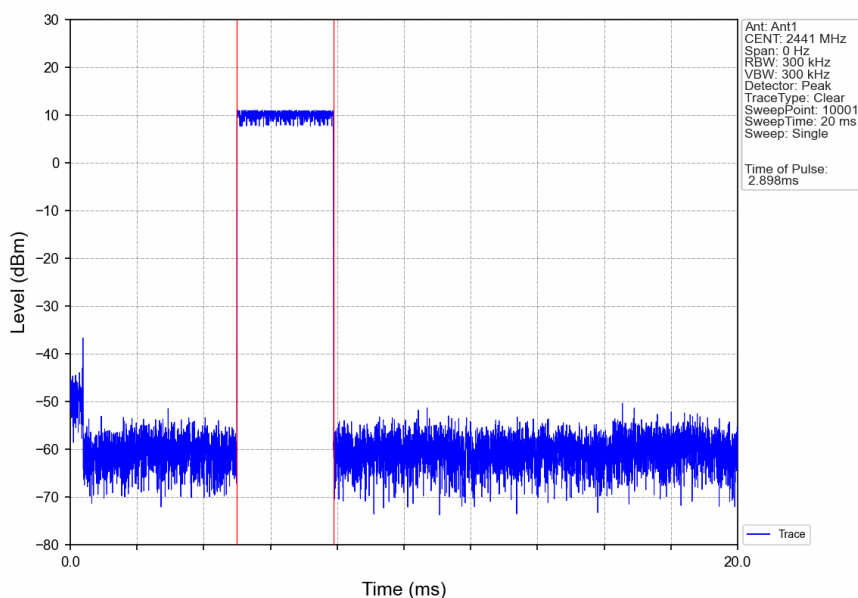
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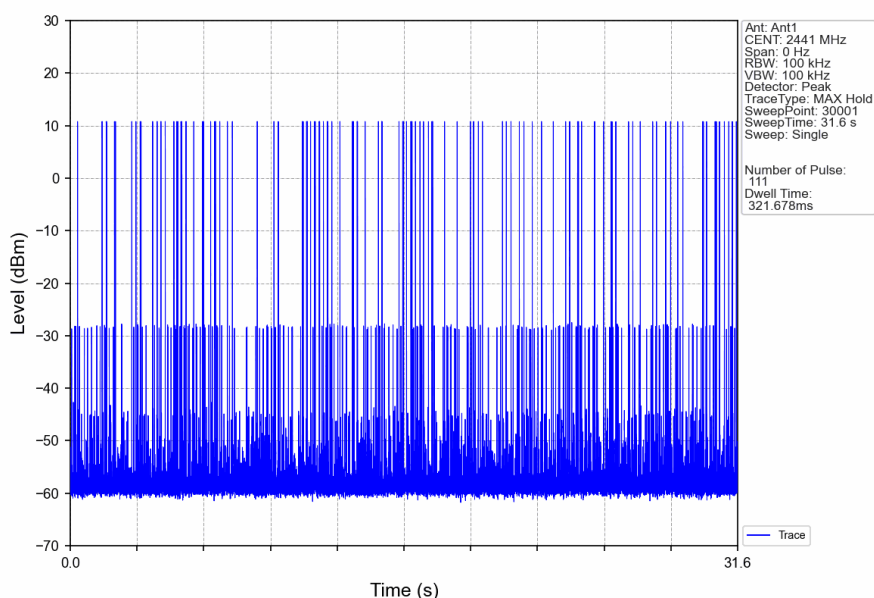
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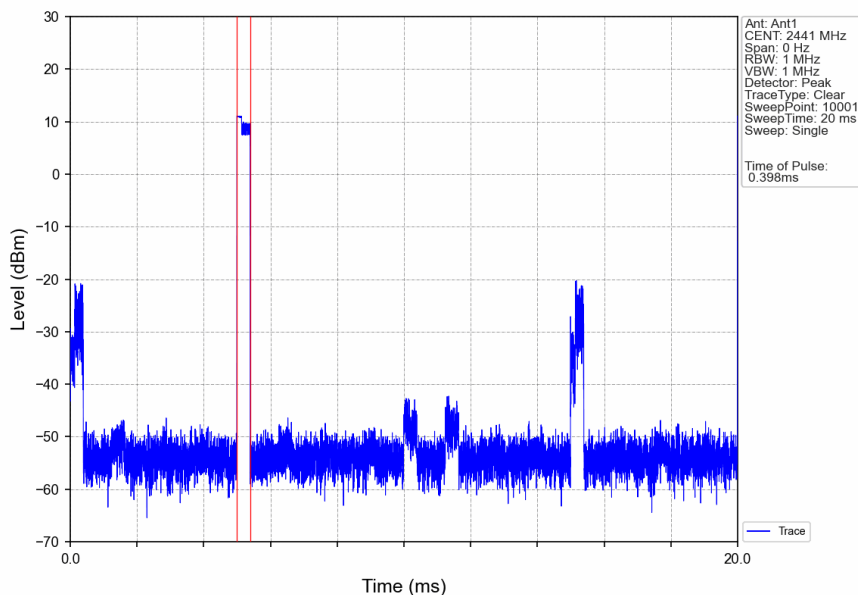
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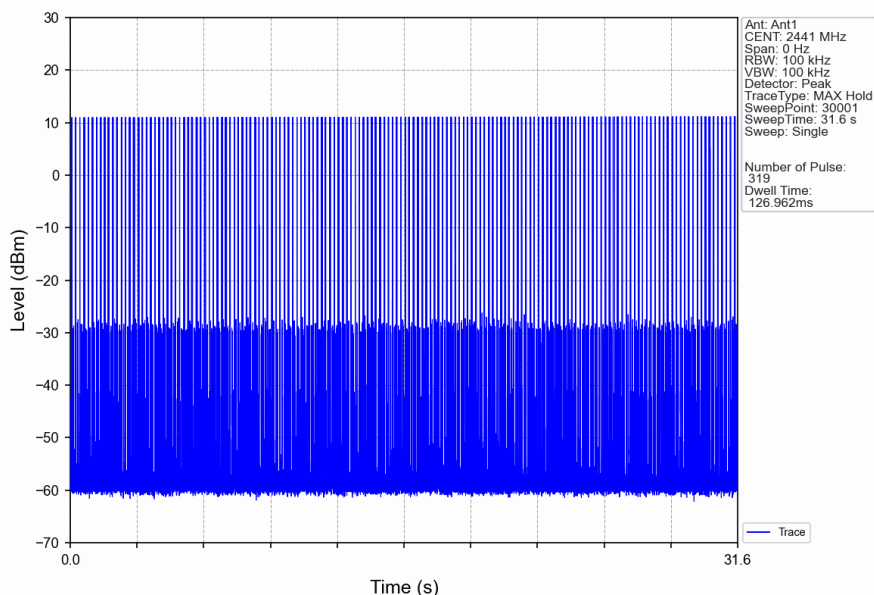
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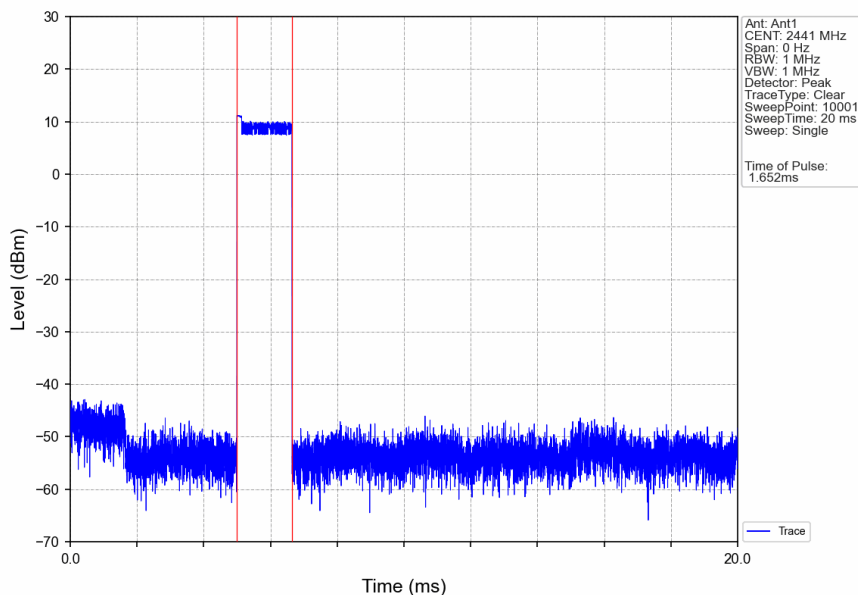
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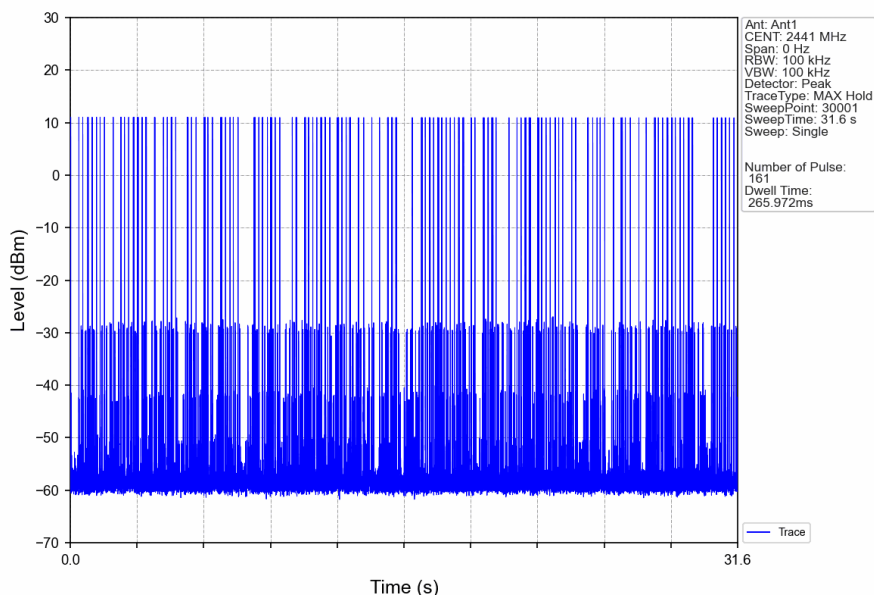
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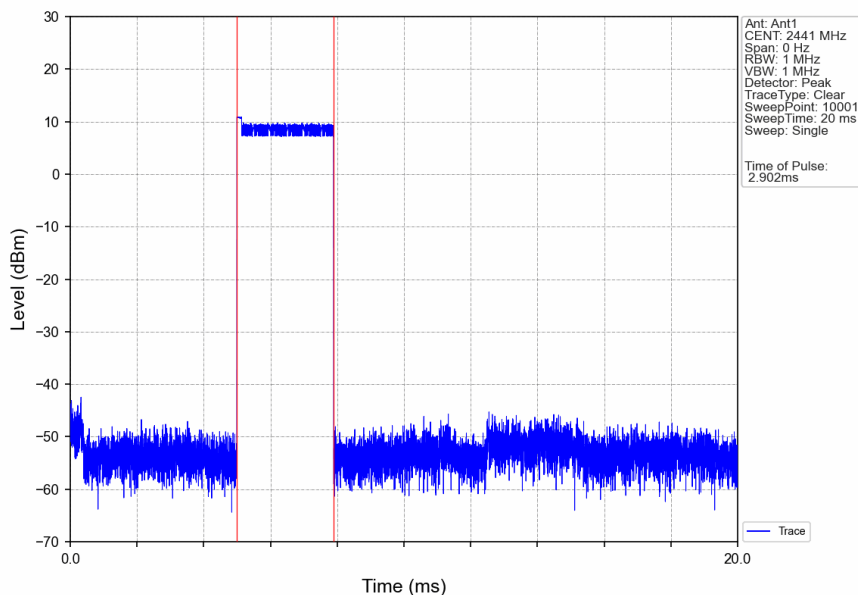
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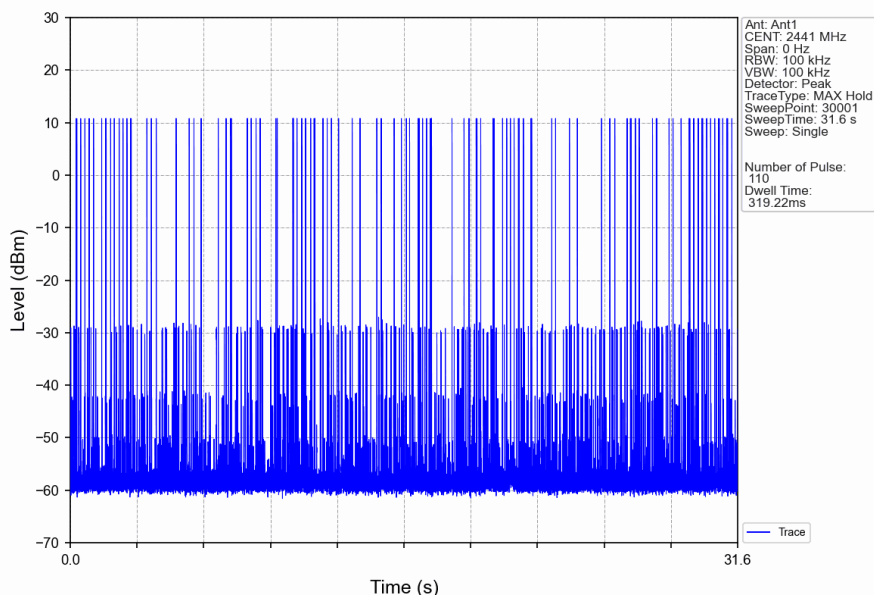
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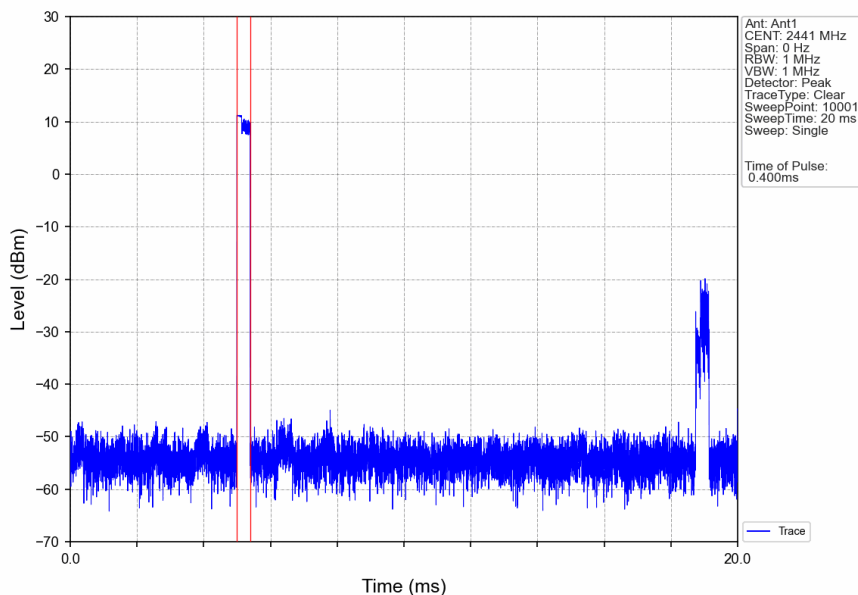
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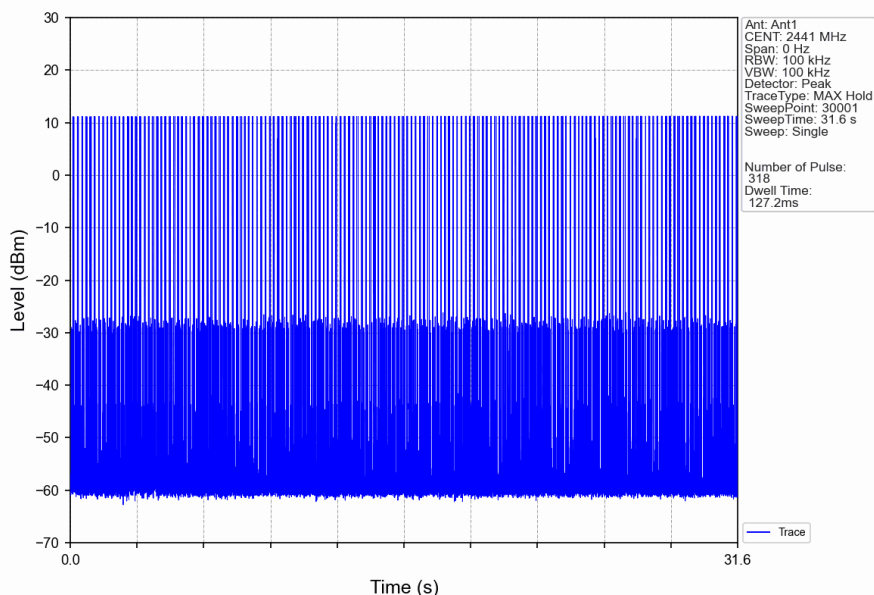
Pi/4DQPSK_2DH5_HOPP_Ant1_NTNV



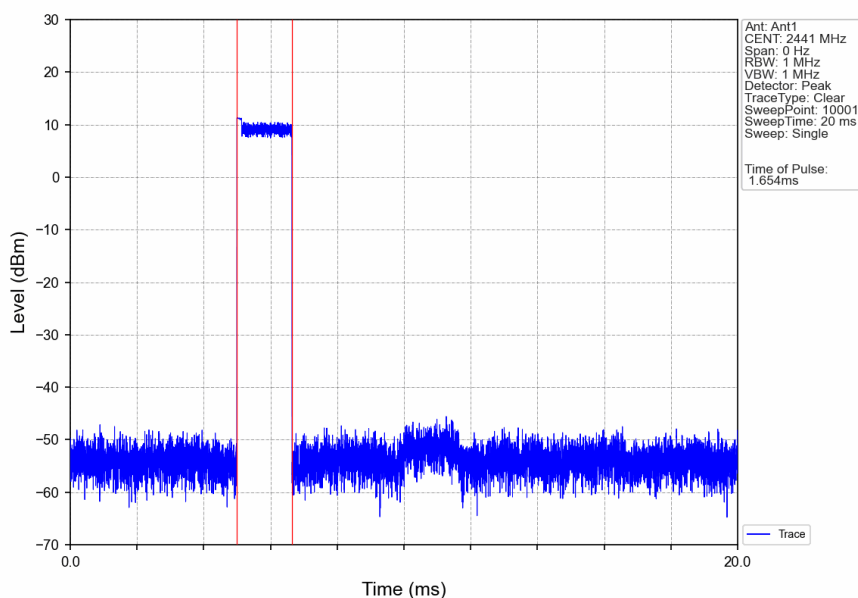
8DPSK_3DH1_HOPP_Ant1_NTNV



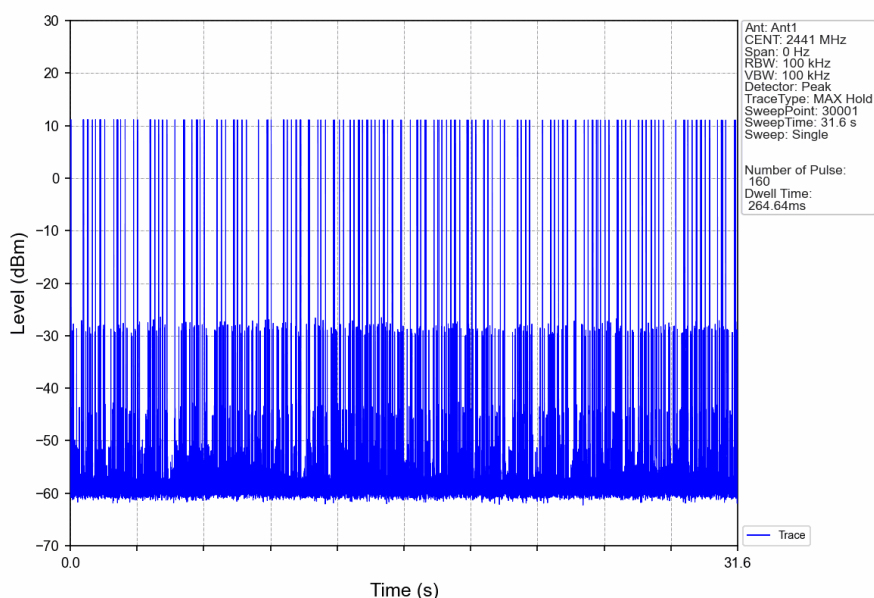
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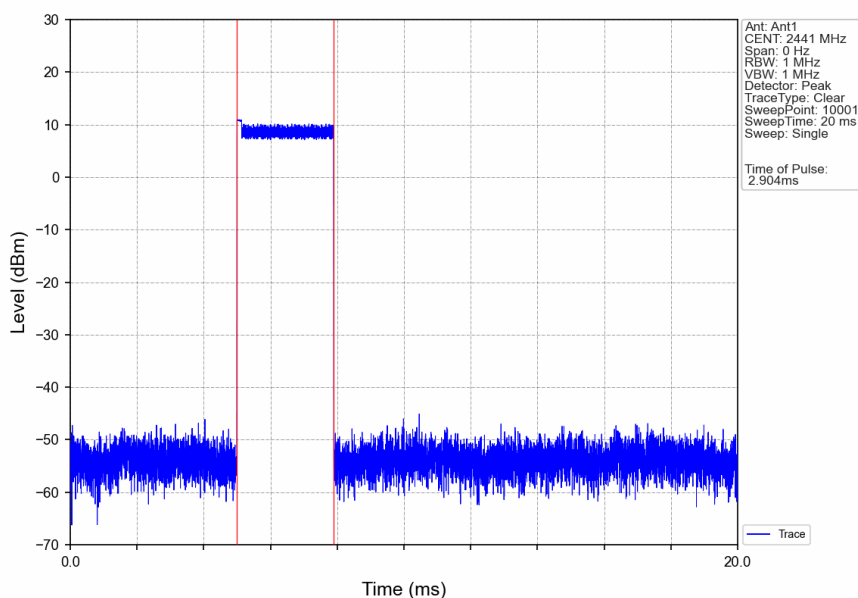
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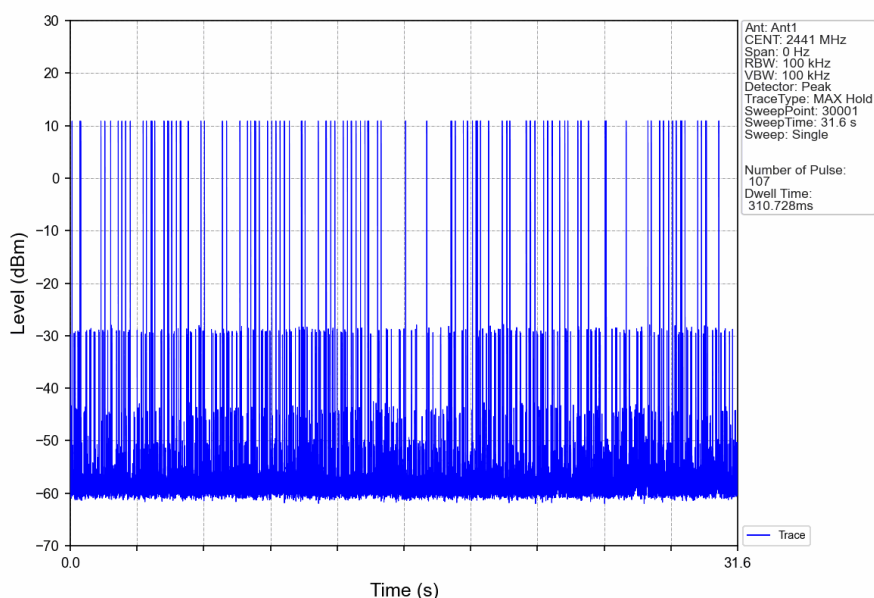
8DPSK_3DH3_HOPP_Ant1_NTNV



8DPSK_3DH5_HOPP_Ant1_NTNV



8DPSK_3DH5_HOPP_Ant1_NTNV



7. Unwanted Emissions In Non-restricted Frequency Bands

7.1 Test Result

7.1.1 Ref

Mode	TX Type	Frequency (MHz)	Packet Type	ANT	Level of Reference (dBm)
GFSK	SISO	2402	DH5	1	11.23
		2441	DH5	1	10.78
		2480	DH5	1	8.97
Pi/4DQPSK	SISO	2402	2DH5	1	11.24
		2441	2DH5	1	10.86
		2480	2DH5	1	8.88
8DPSK	SISO	2402	3DH5	1	11.17
		2441	3DH5	1	10.76
		2480	3DH5	1	8.88

7.1.2 CSE

Mode	TX Type	Frequency (MHz)	Packet Type	ANT	Level of Reference (dBm)	Limit (dBm)	Verdict
GFSK	SISO	2402	DH5	1	11.23	-8.77	Pass
		2441	DH5	1	11.23	-8.77	Pass
		2480	DH5	1	11.23	-8.77	Pass
		HOPP	DH5	1	11.23	-8.77	Pass
					11.23	-8.77	Pass
Pi/4DQPSK	SISO	2402	2DH5	1	11.24	-8.76	Pass
		2441	2DH5	1	11.24	-8.76	Pass
		2480	2DH5	1	11.24	-8.76	Pass
		HOPP	2DH5	1	11.24	-8.76	Pass
					11.24	-8.76	Pass
8DPSK	SISO	2402	3DH5	1	11.17	-8.83	Pass
		2441	3DH5	1	11.17	-8.83	Pass
		2480	3DH5	1	11.17	-8.83	Pass
		HOPP	3DH5	1	11.17	-8.83	Pass
					11.17	-8.83	Pass



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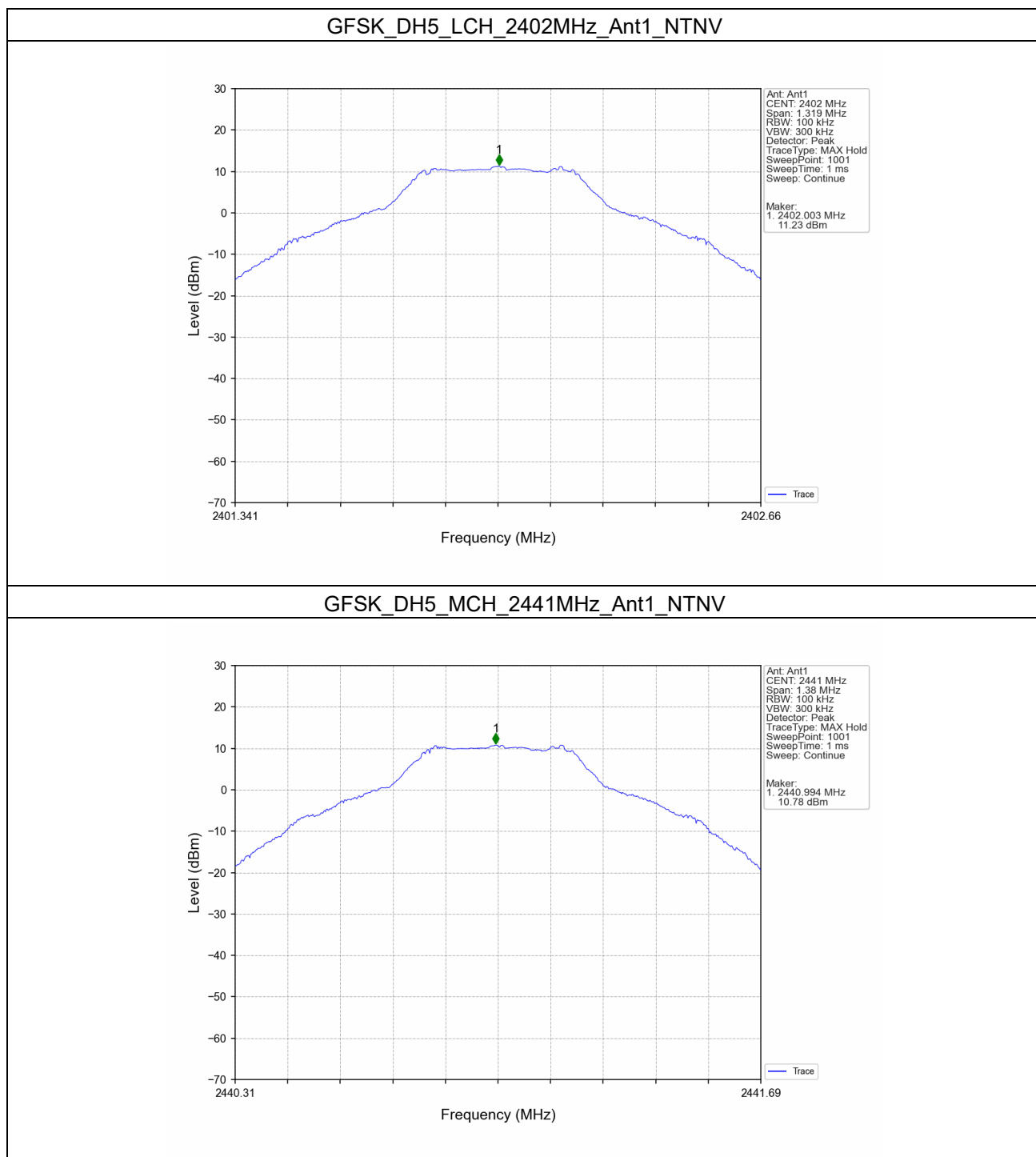
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7.2 Test Graph

7.2.1 Ref



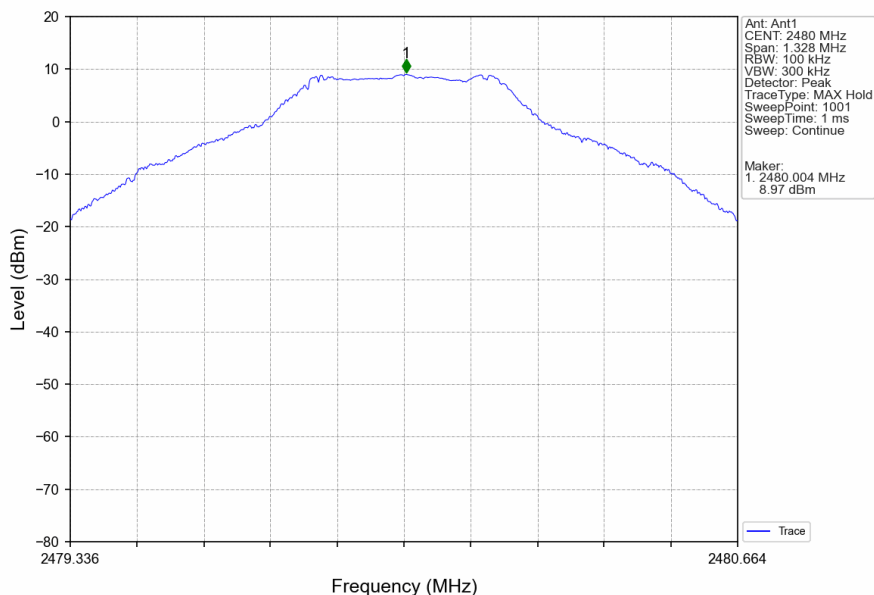
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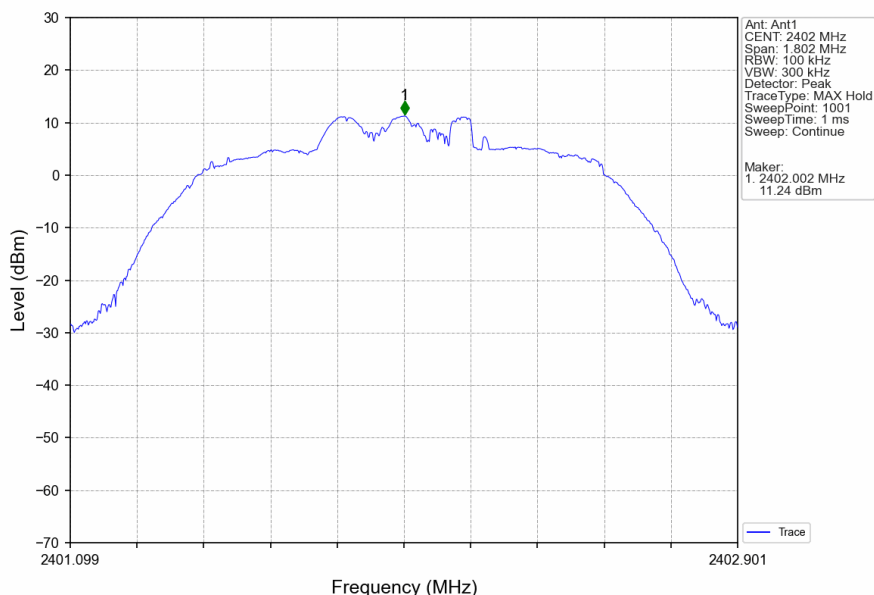
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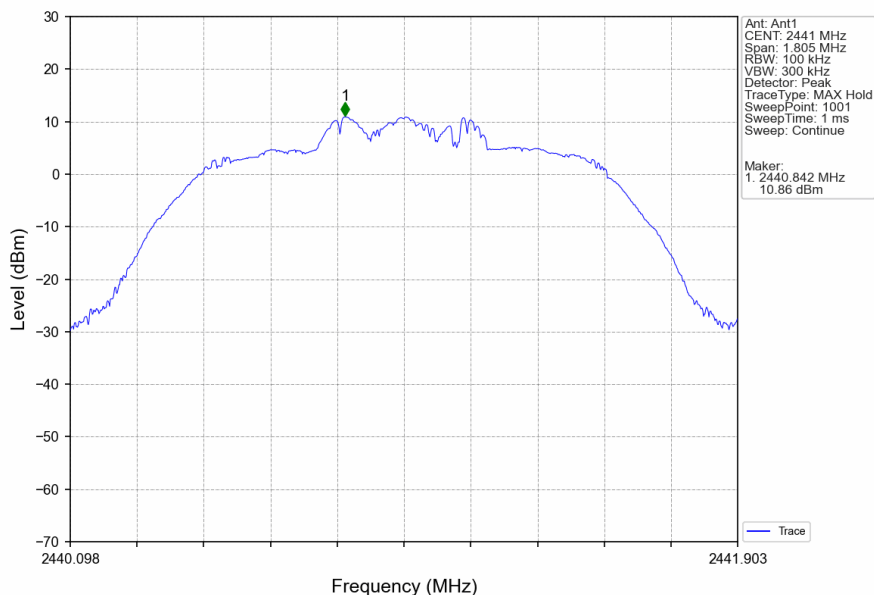
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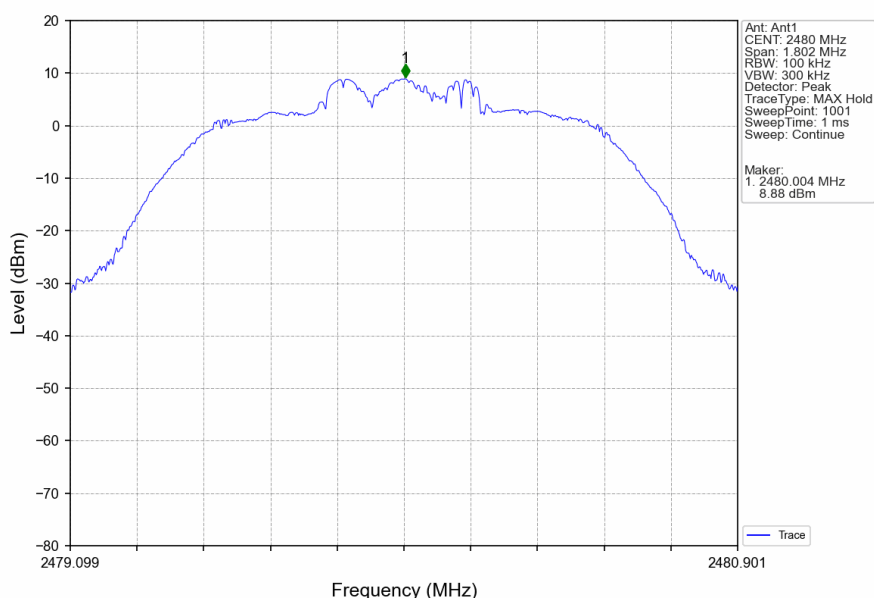
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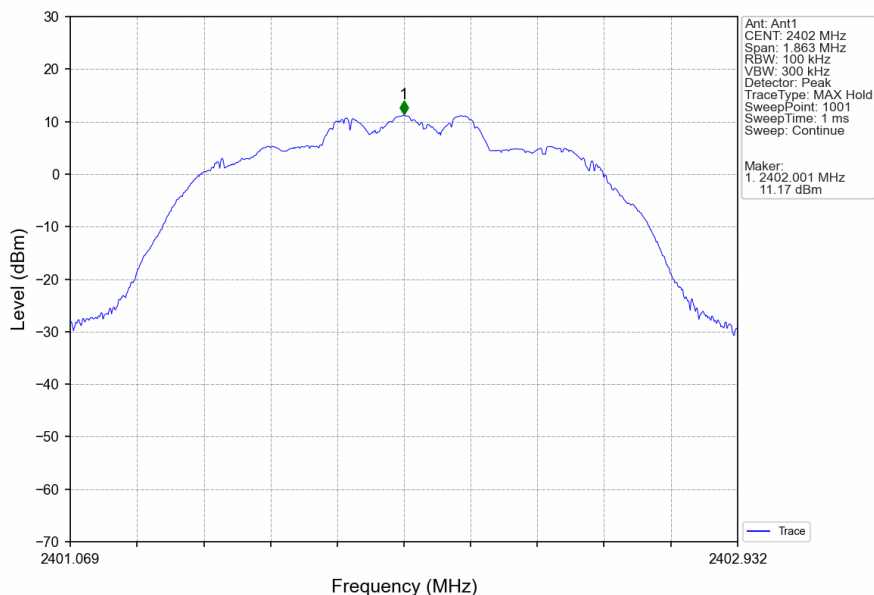
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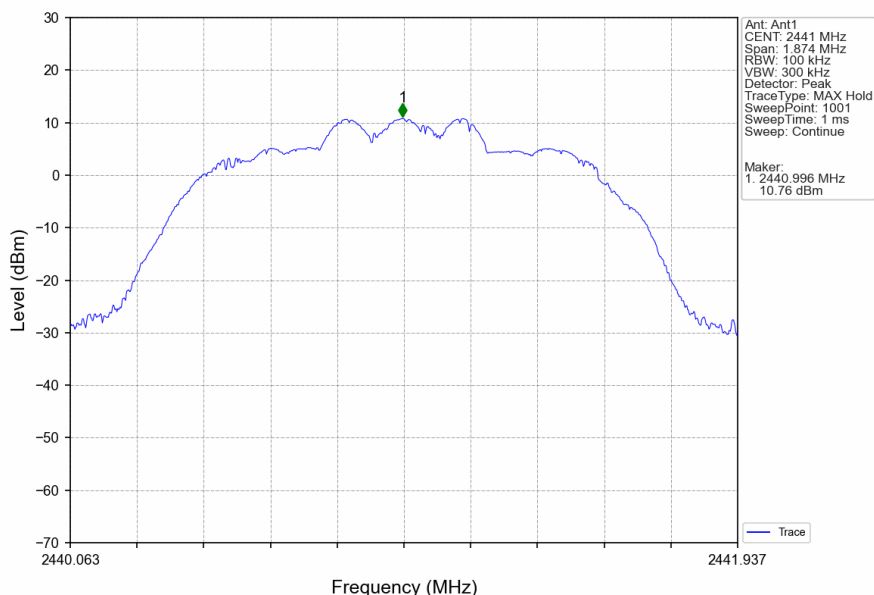
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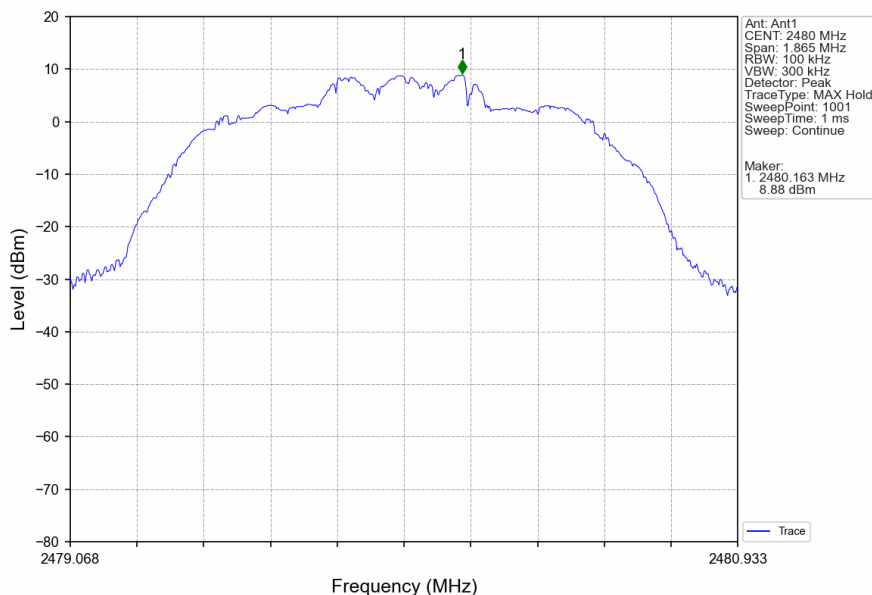
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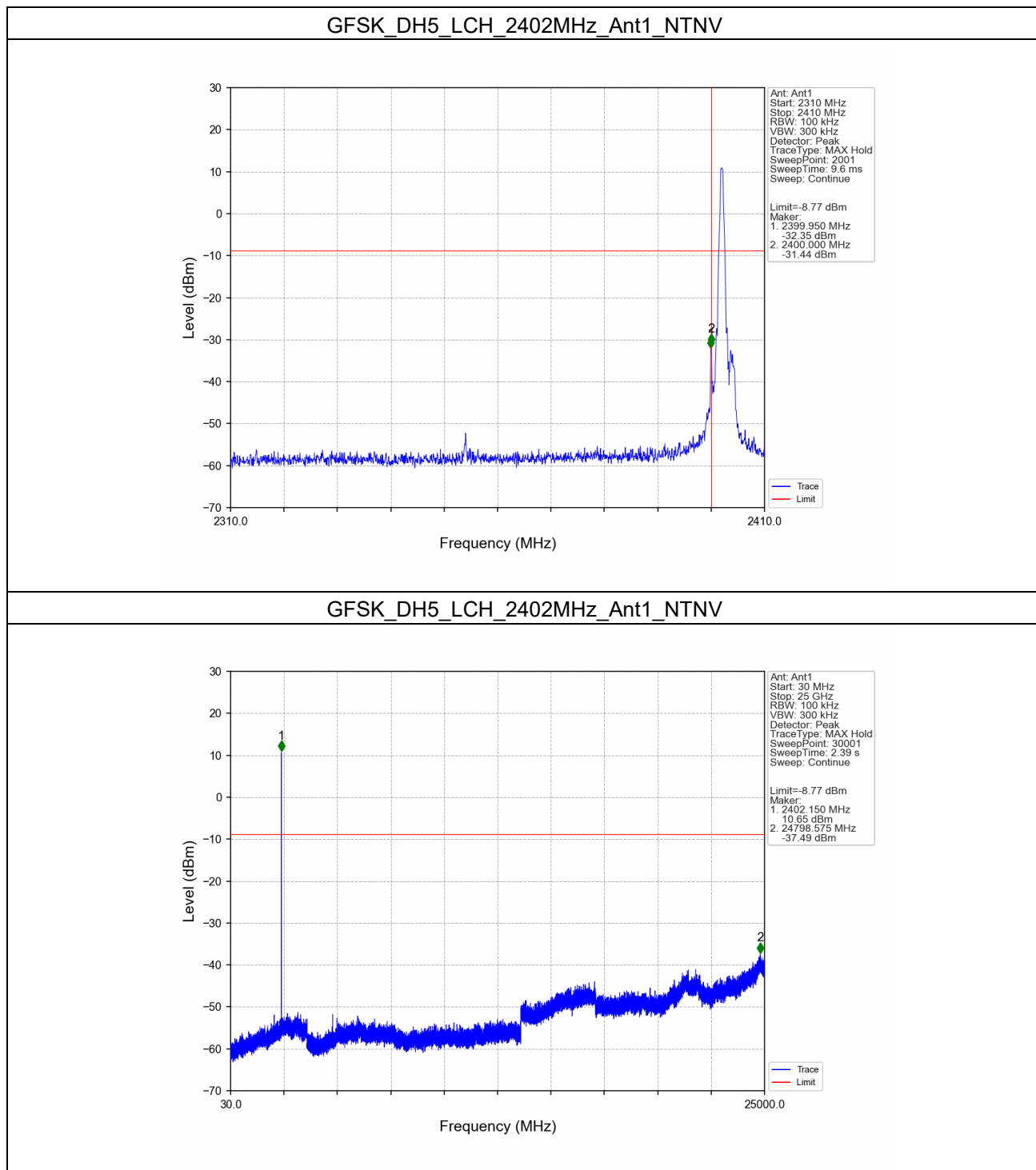
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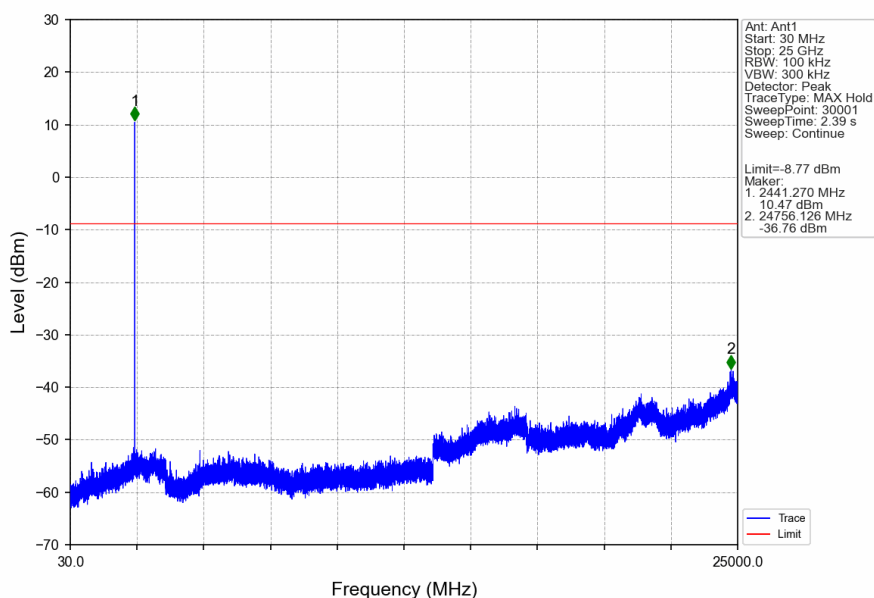
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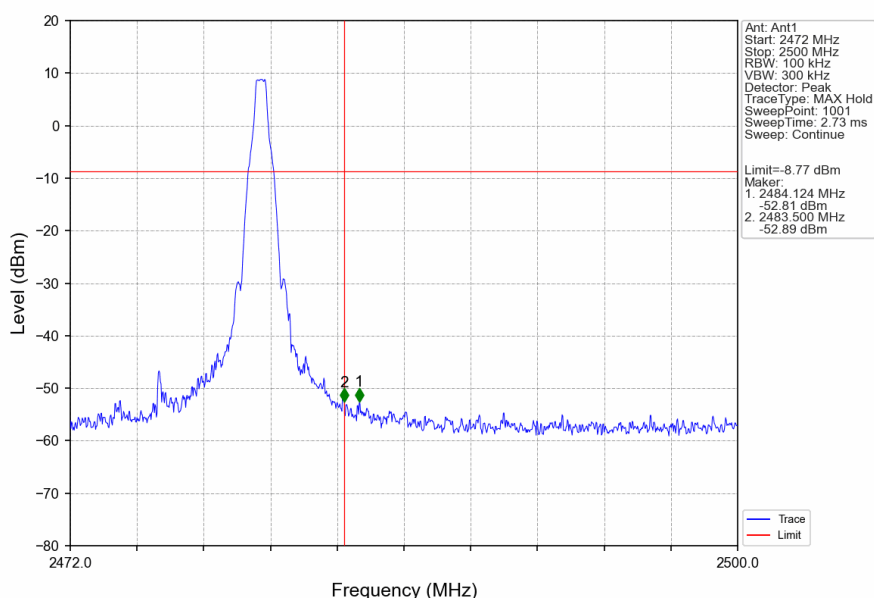
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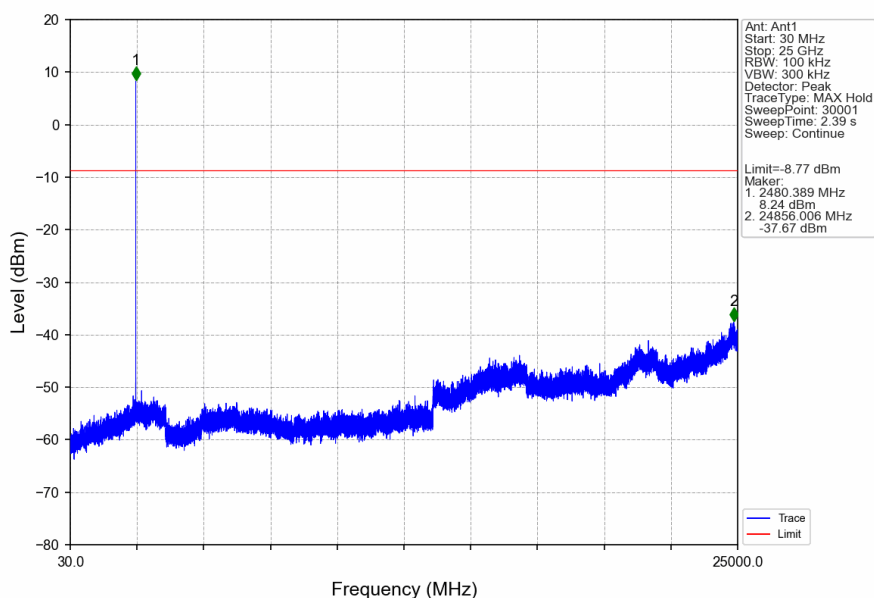
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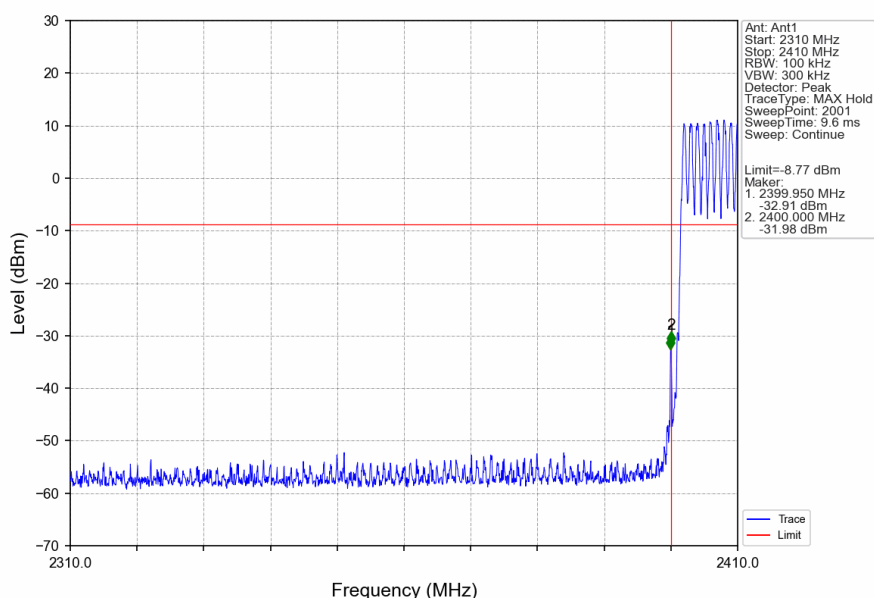
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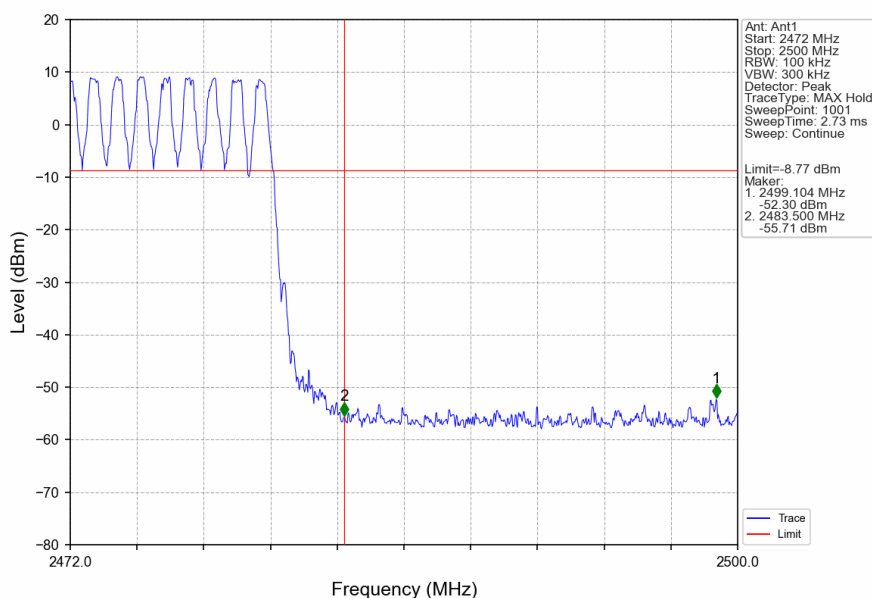
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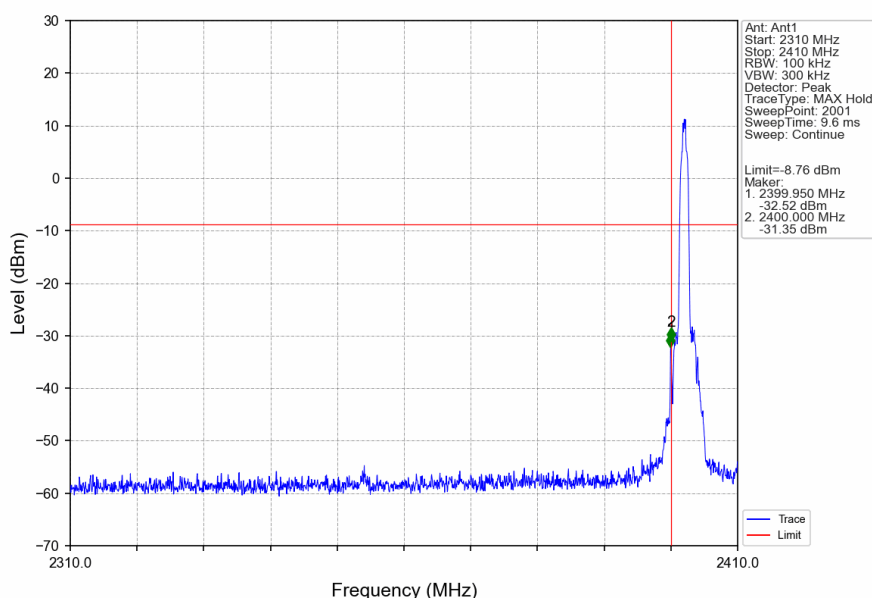
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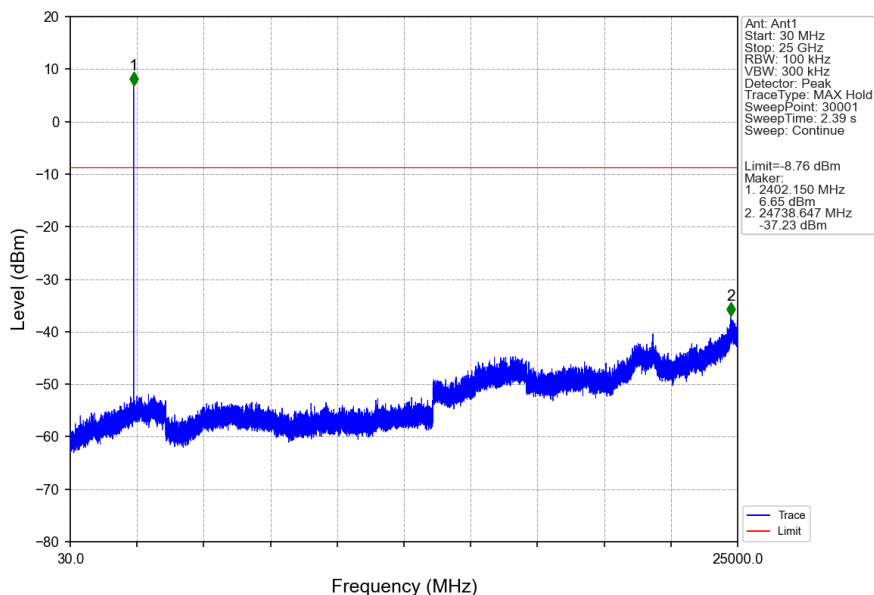
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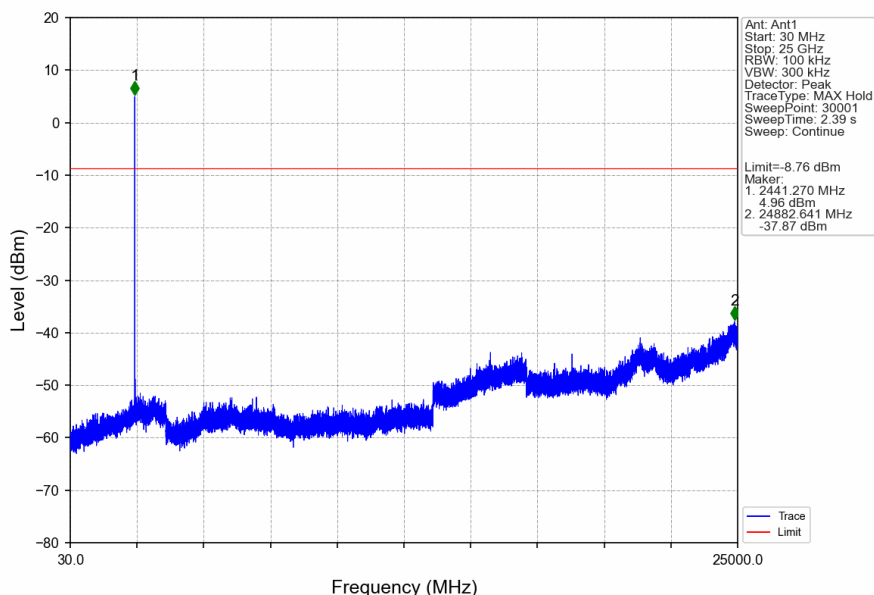
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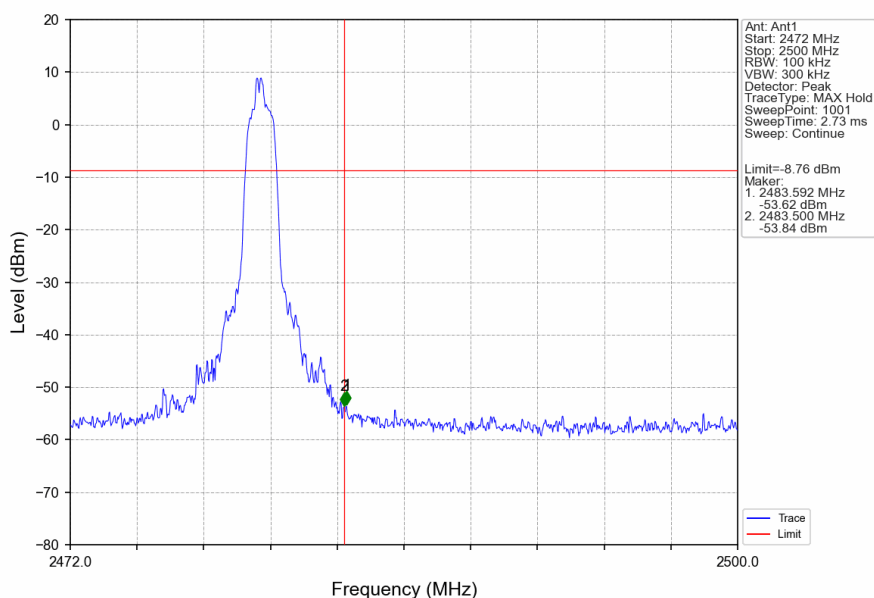
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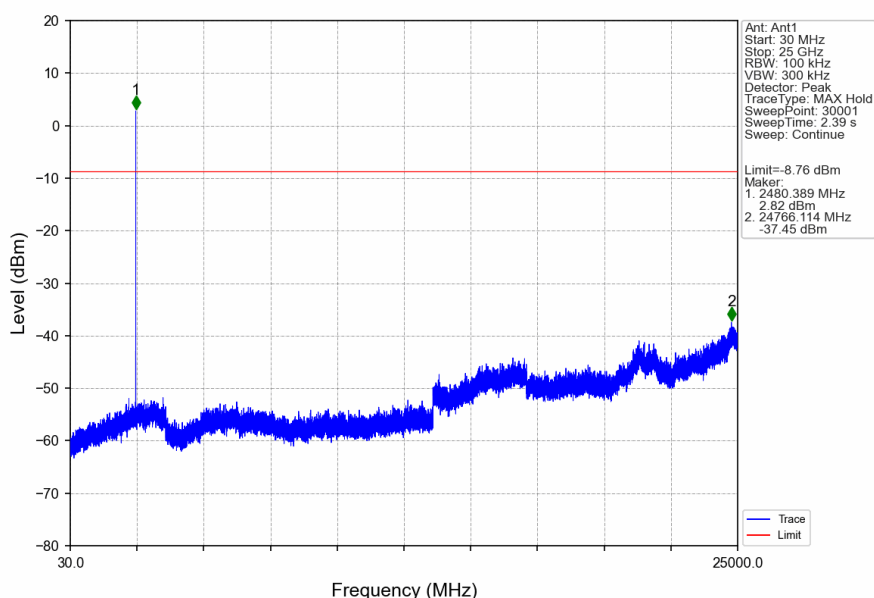
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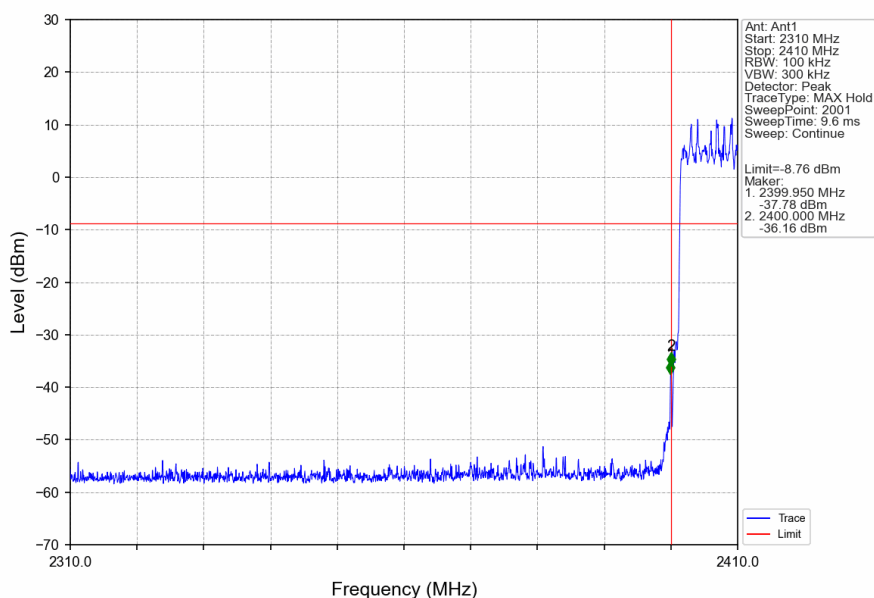
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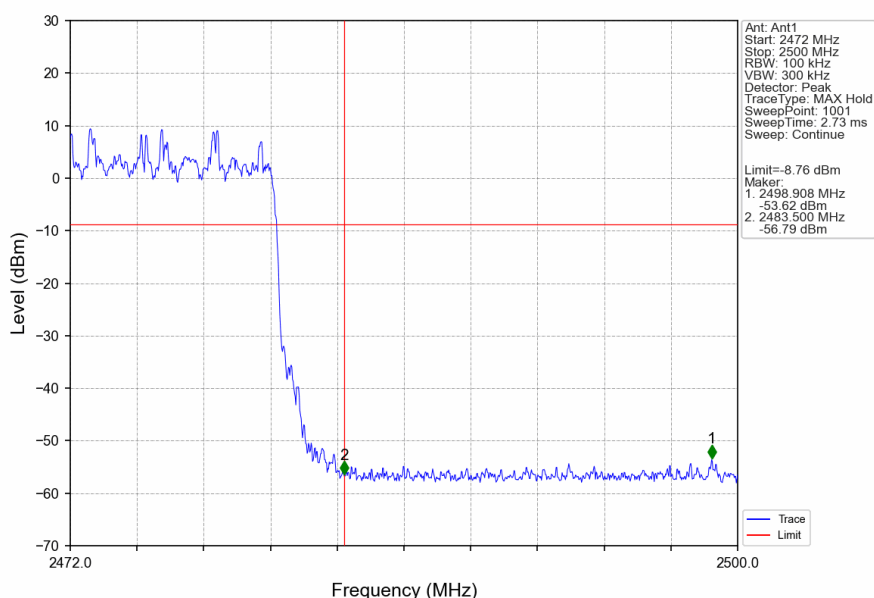
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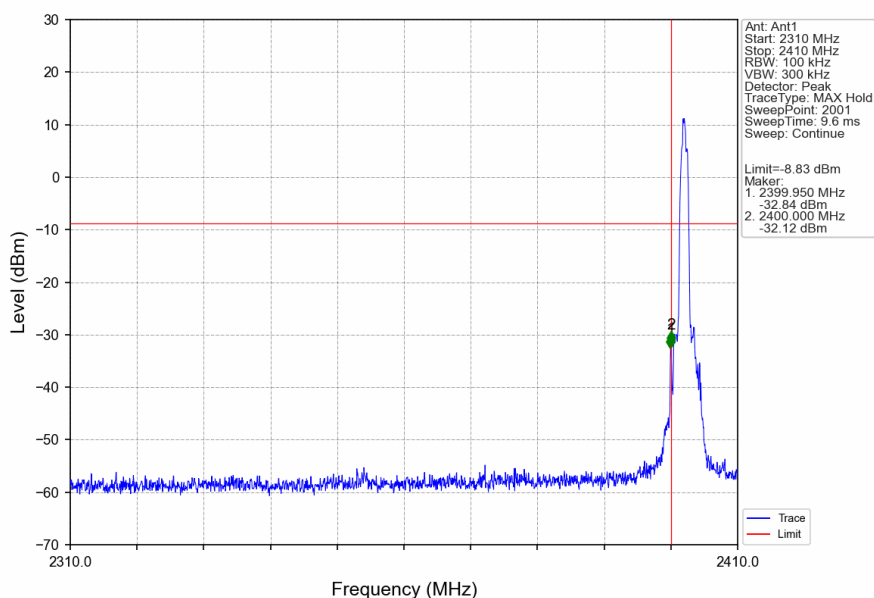
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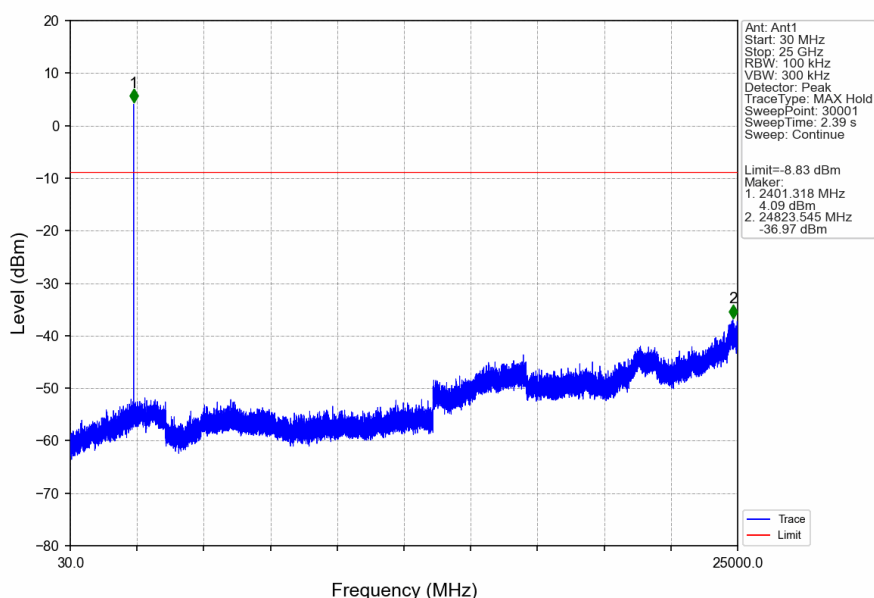
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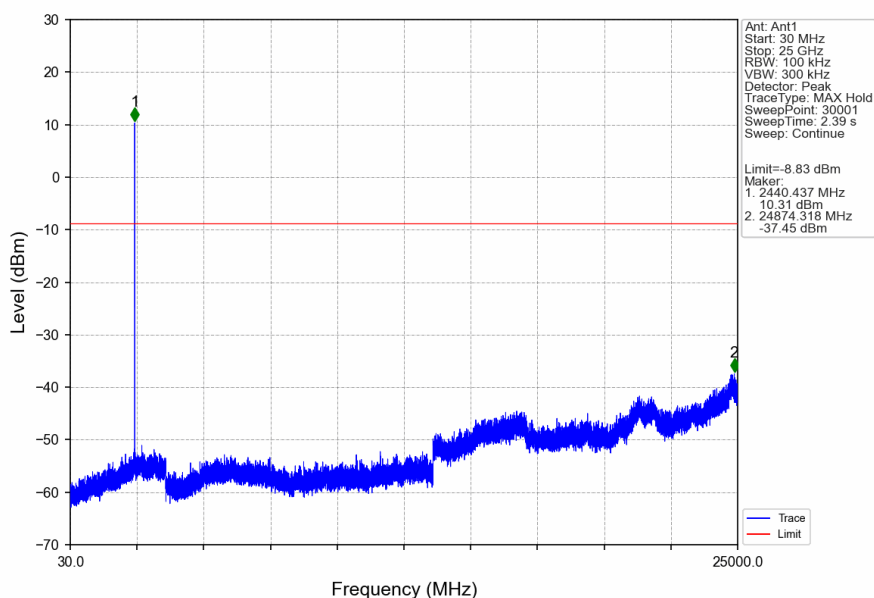
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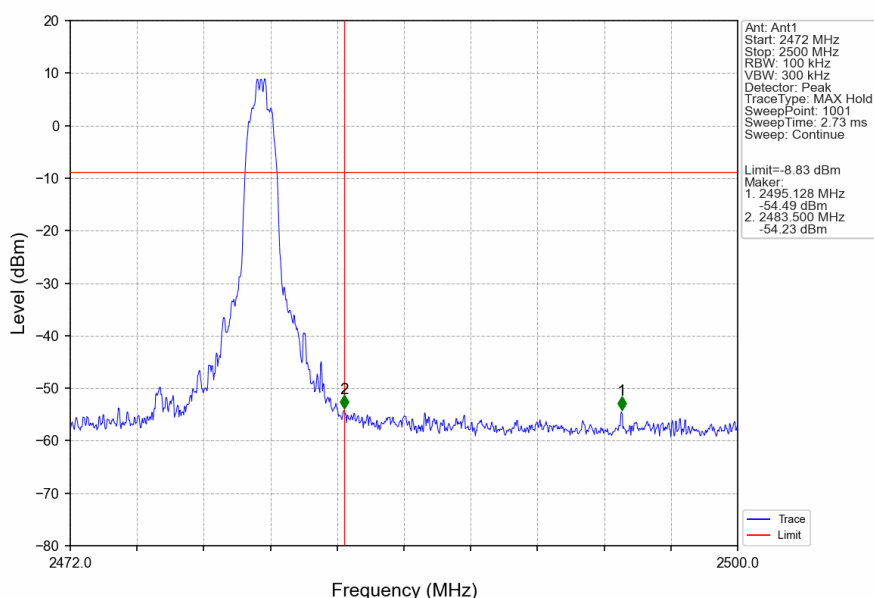
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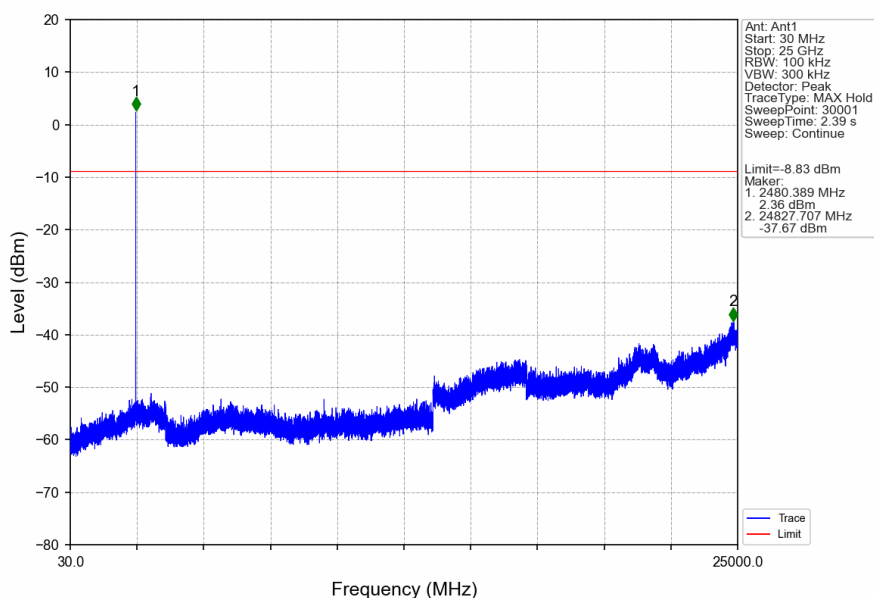
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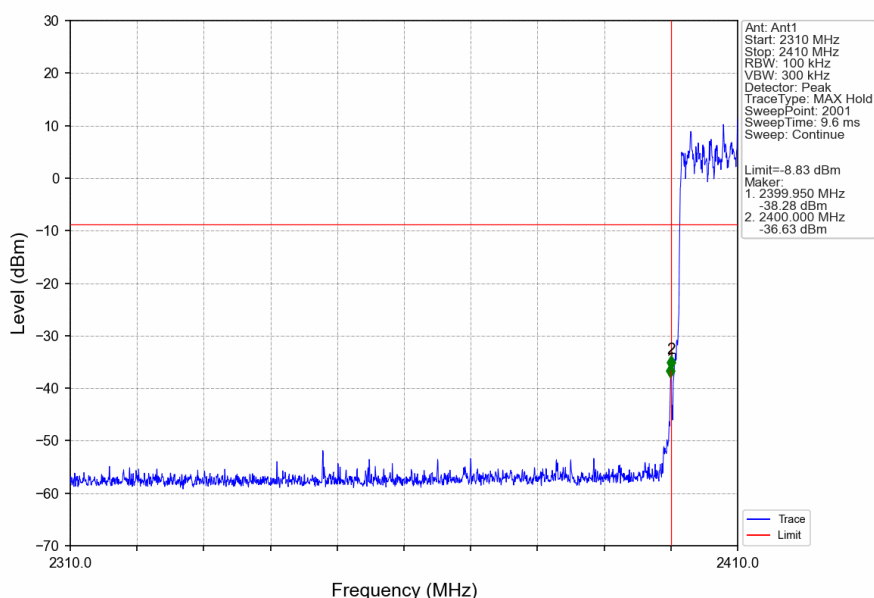
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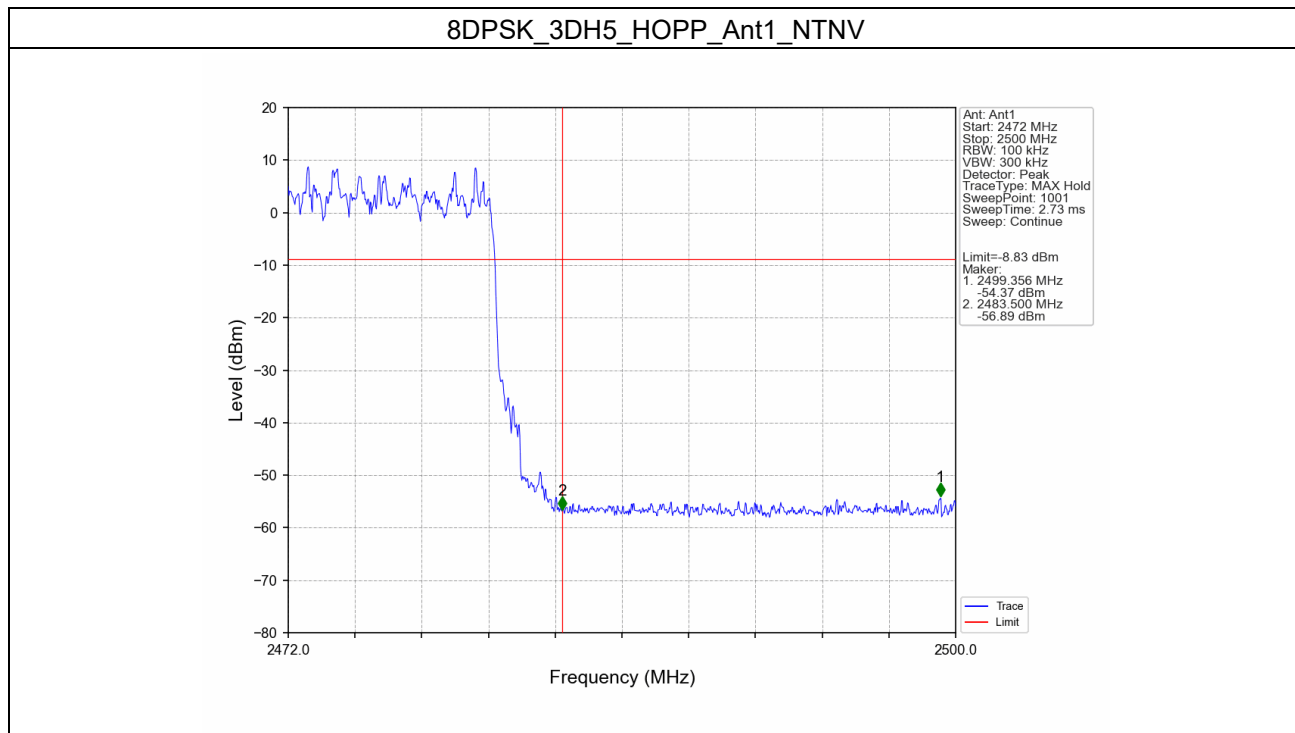


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8DPSK_3DH5_HOPP_Ant1_NTNV





- End of the Report -