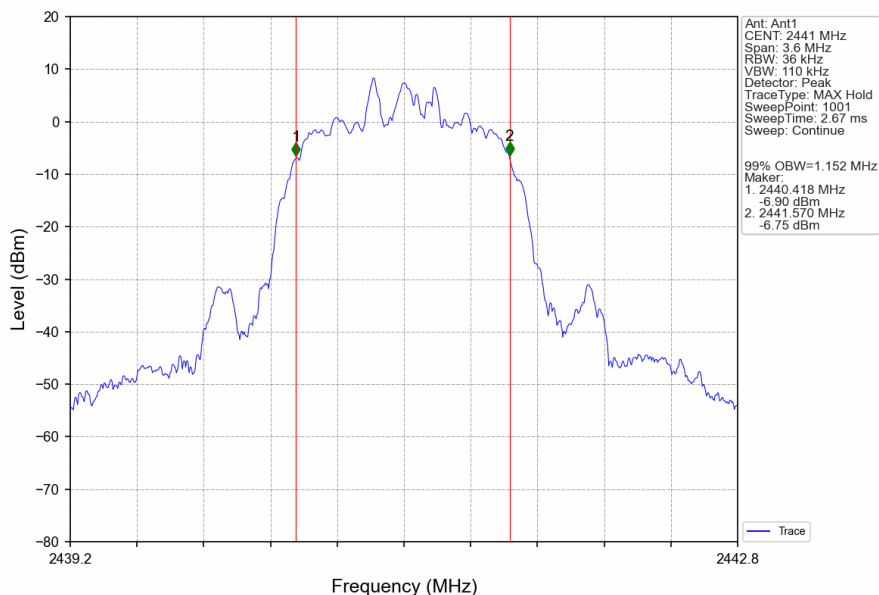
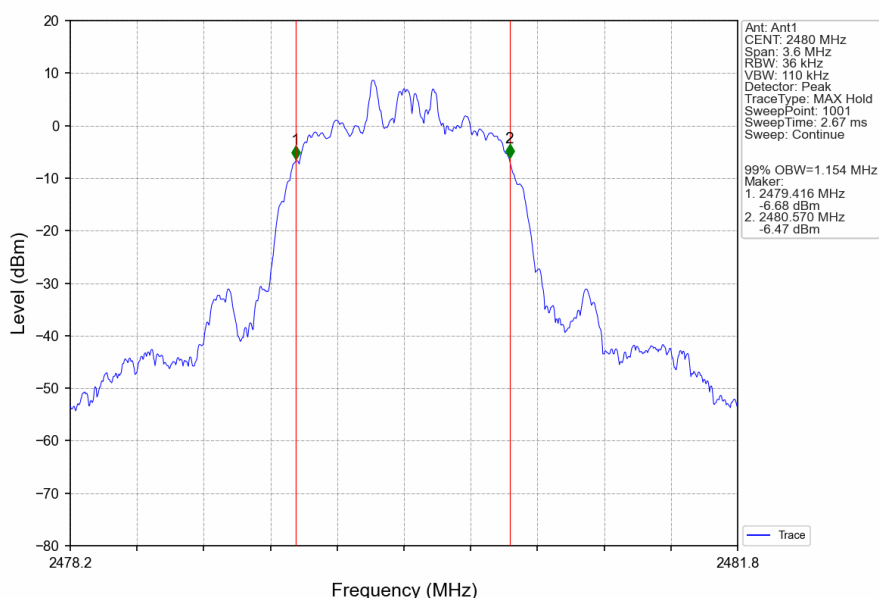


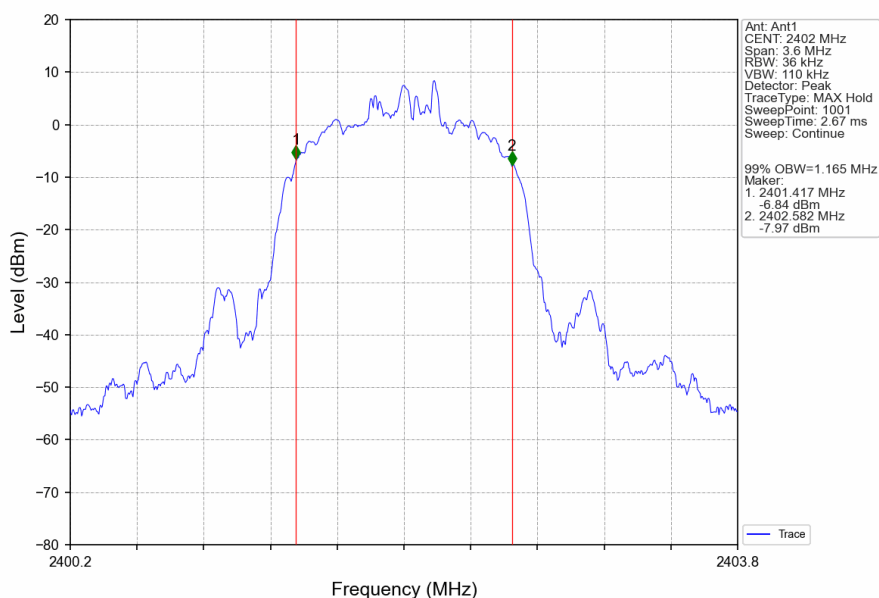
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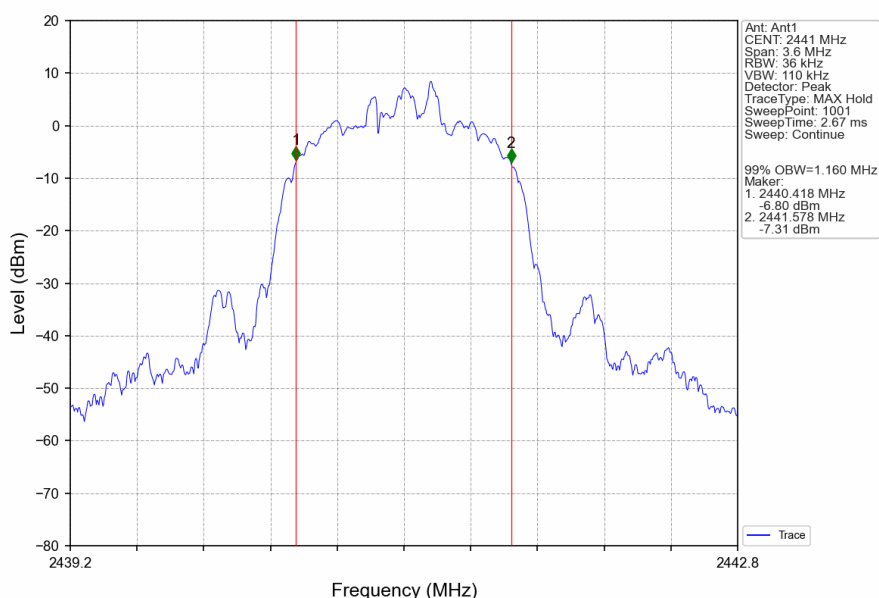
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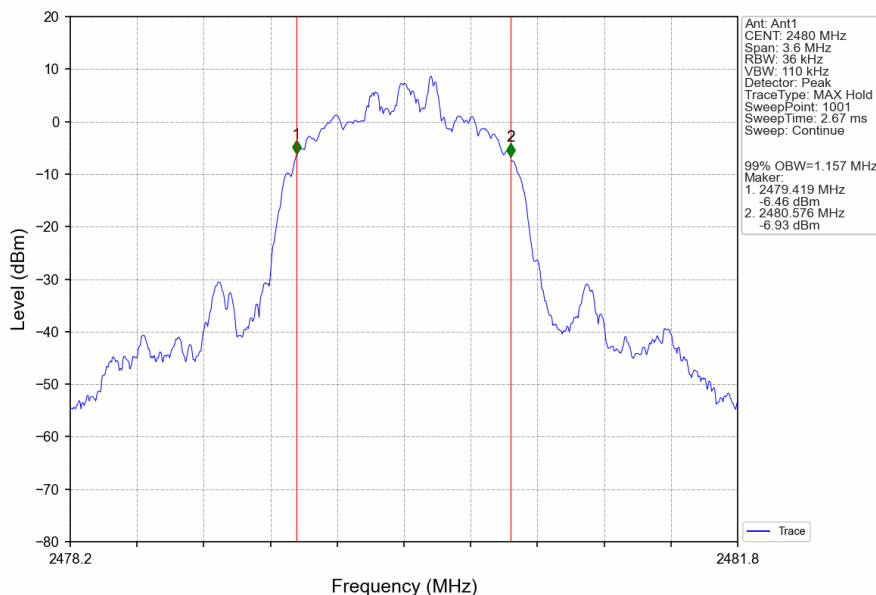
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8DPSK_3DH5_MCH_2441MHz_Ant1_NTNV



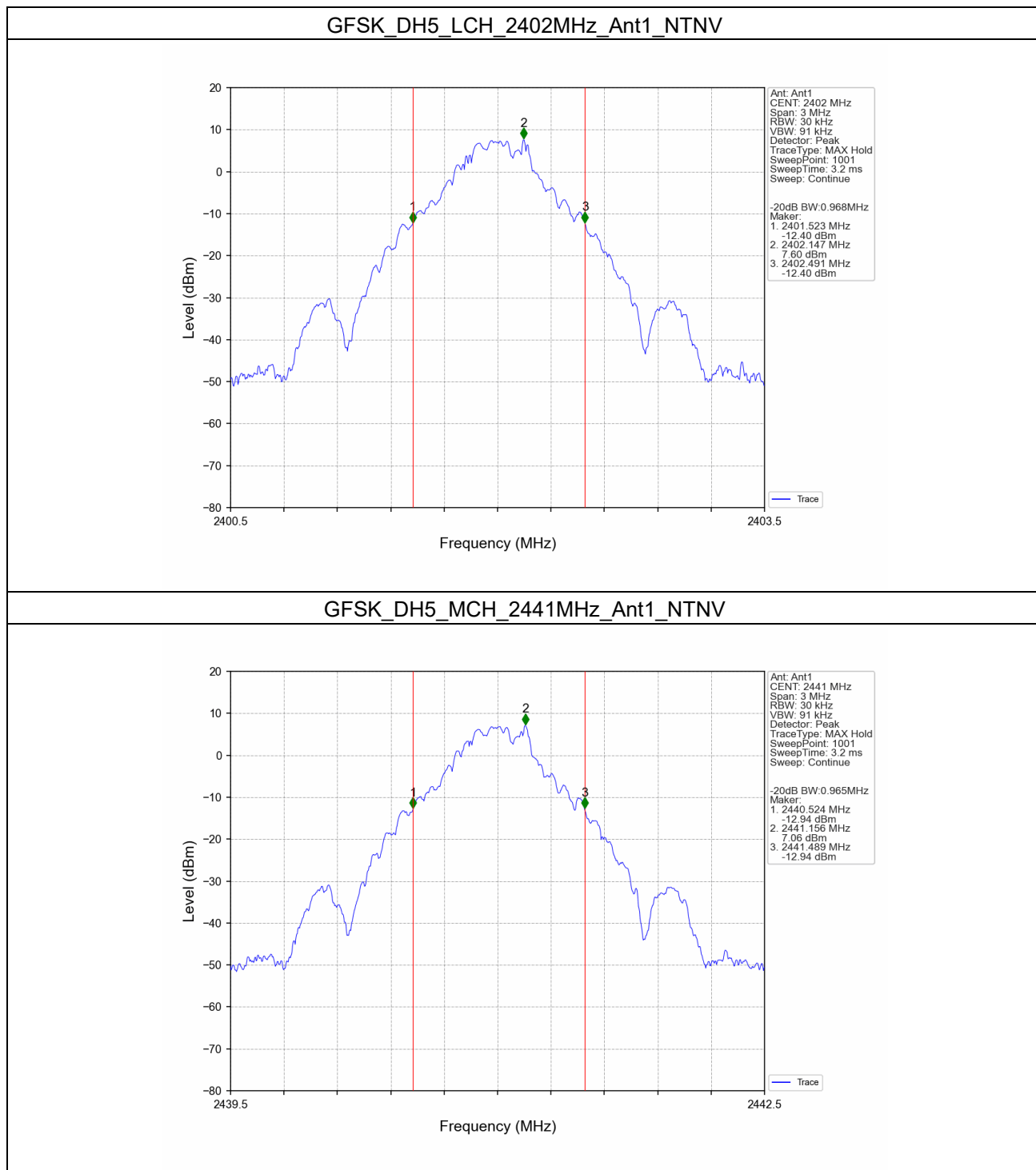
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1.2.2 20dB BW



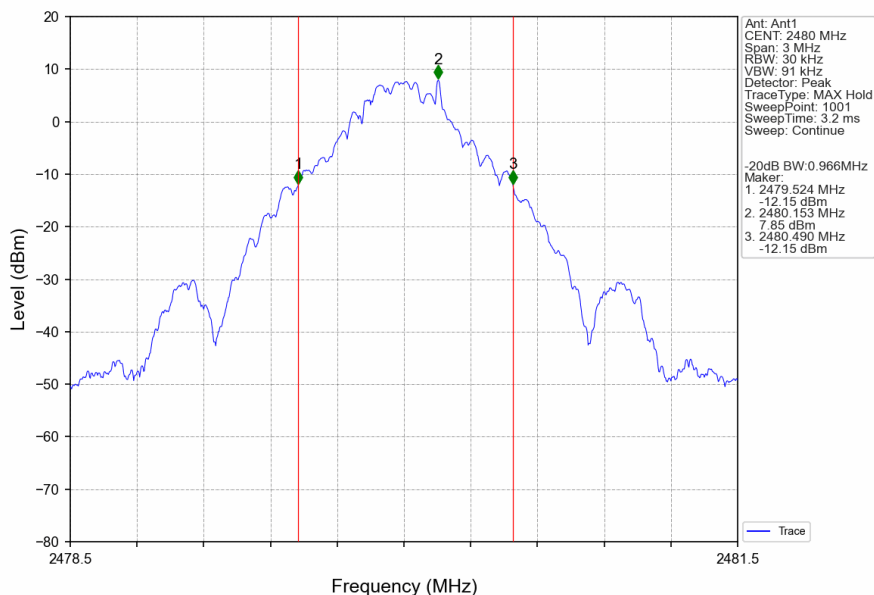
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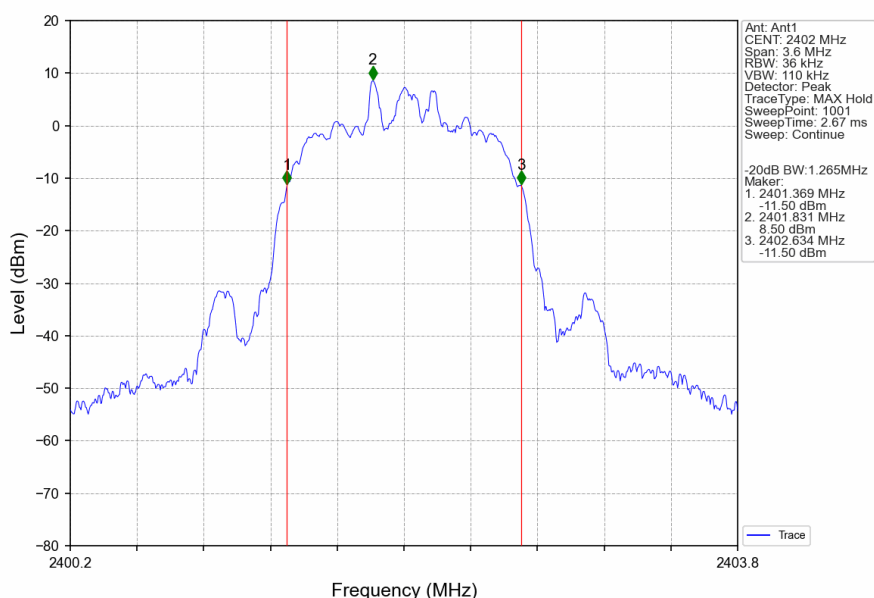
SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch Testing & Calibration Laboratory

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
中国·广东·深圳市南山区科技园中区M-10栋1号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com

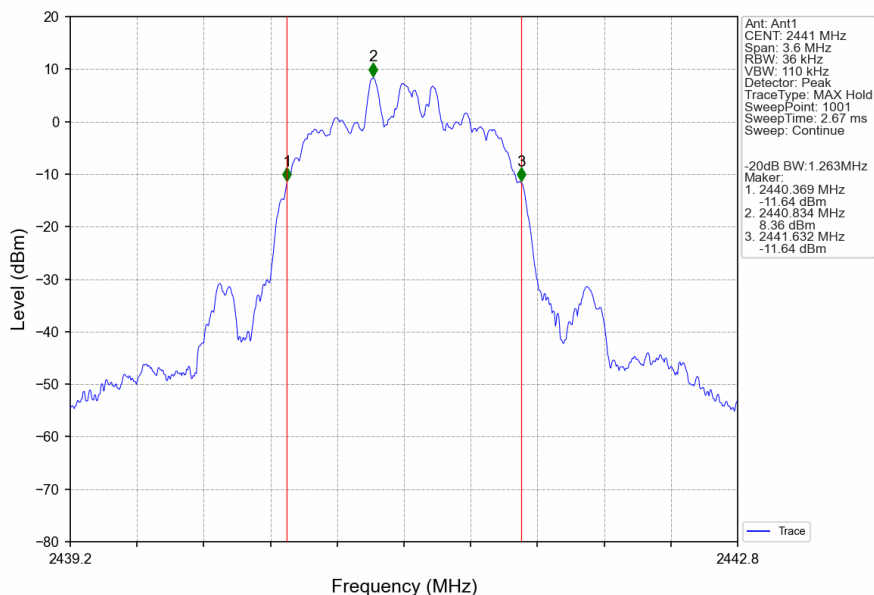
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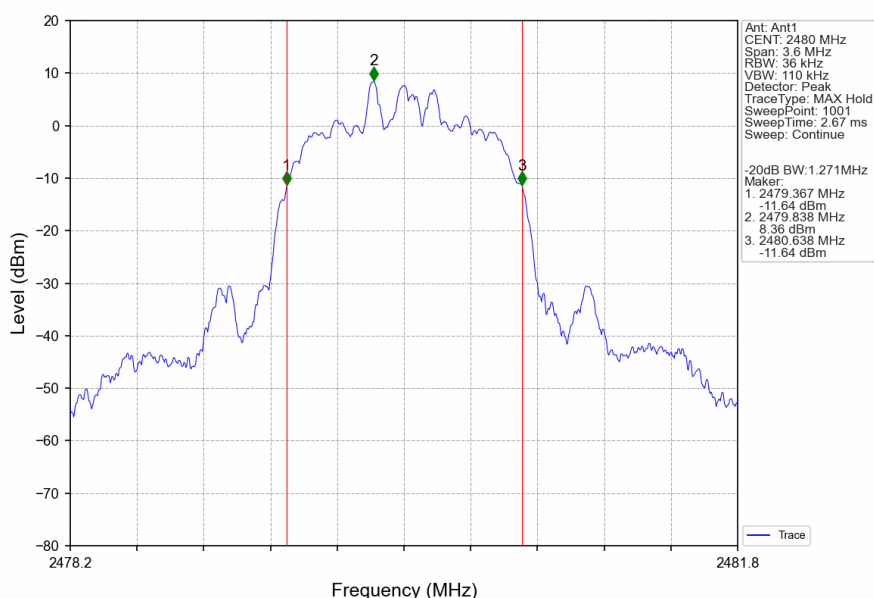
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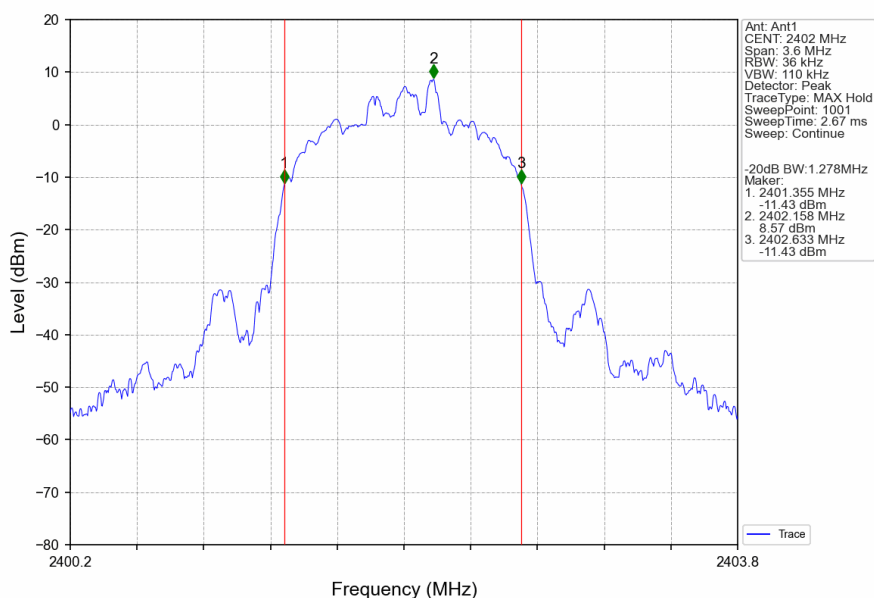
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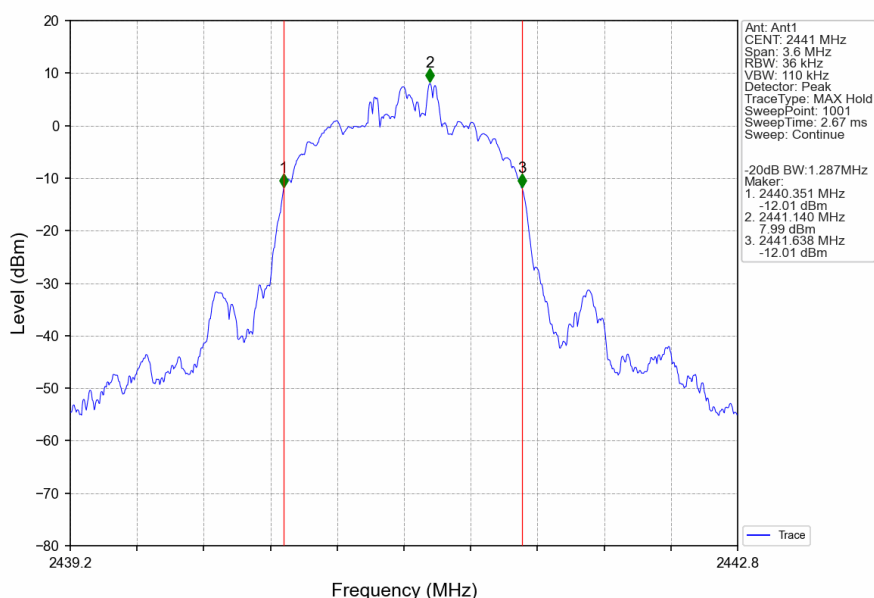
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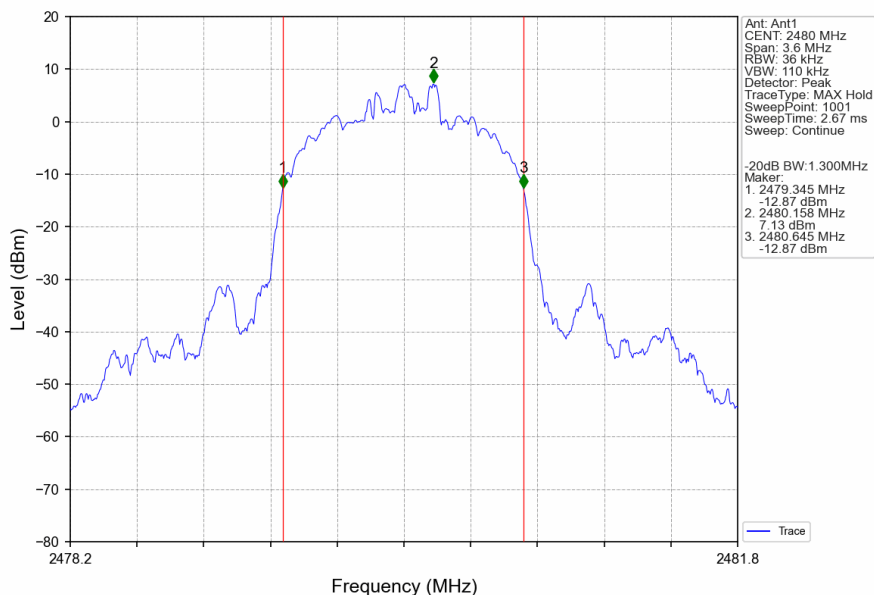
8DPSK_3DH5_LCH_2402MHz_Ant1_NTNV



8DPSK_3DH5_MCH_2441MHz_Ant1_NTNV



8DPSK_3DH5_HCH_2480MHz_Ant1_NTNV



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2. Maximum Conducted Output Power

2.1 Test Result

2.1.1 Power

Mode	TX Type	Frequency (MHz)	Packet Type	Maximum Peak Conducted Output Power (dBm)		Verdict
				ANT1	Limit	
GFSK	SISO	2402	DH5	5.32	<=30	Pass
		2441	DH5	5.00	<=30	Pass
		2480	DH5	4.99	<=30	Pass
Pi/4DQPSK	SISO	2402	2DH5	5.24	<=20.97	Pass
		2441	2DH5	5.01	<=20.97	Pass
		2480	2DH5	5.00	<=20.97	Pass
8DPSK	SISO	2402	3DH5	5.44	<=20.97	Pass
		2441	3DH5	5.25	<=20.97	Pass
		2480	3DH5	5.29	<=20.97	Pass

Note1: Antenna Gain: Ant1: 3.71dBi;

3. Carrier Frequency Separation

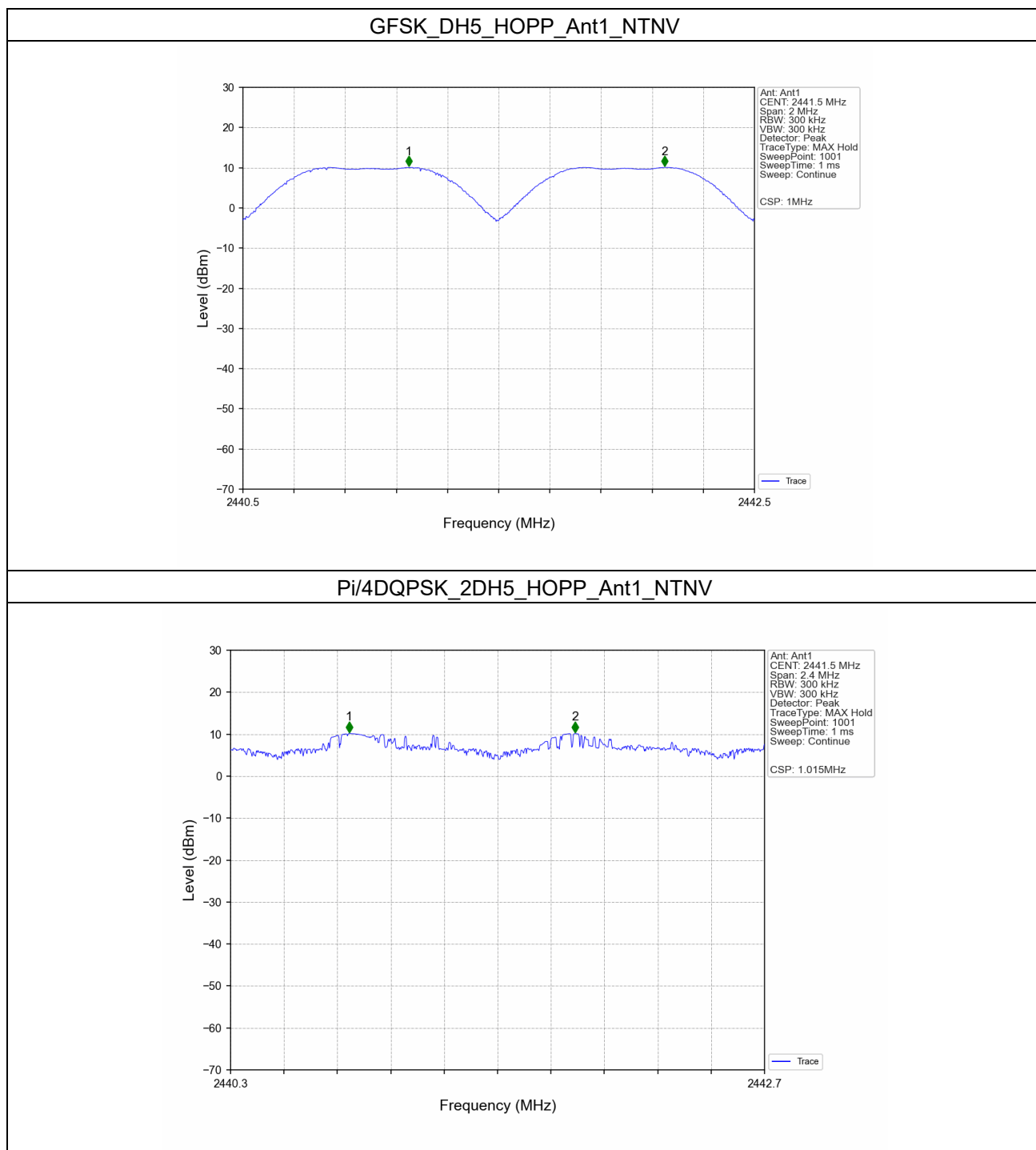
3.1 Test Result

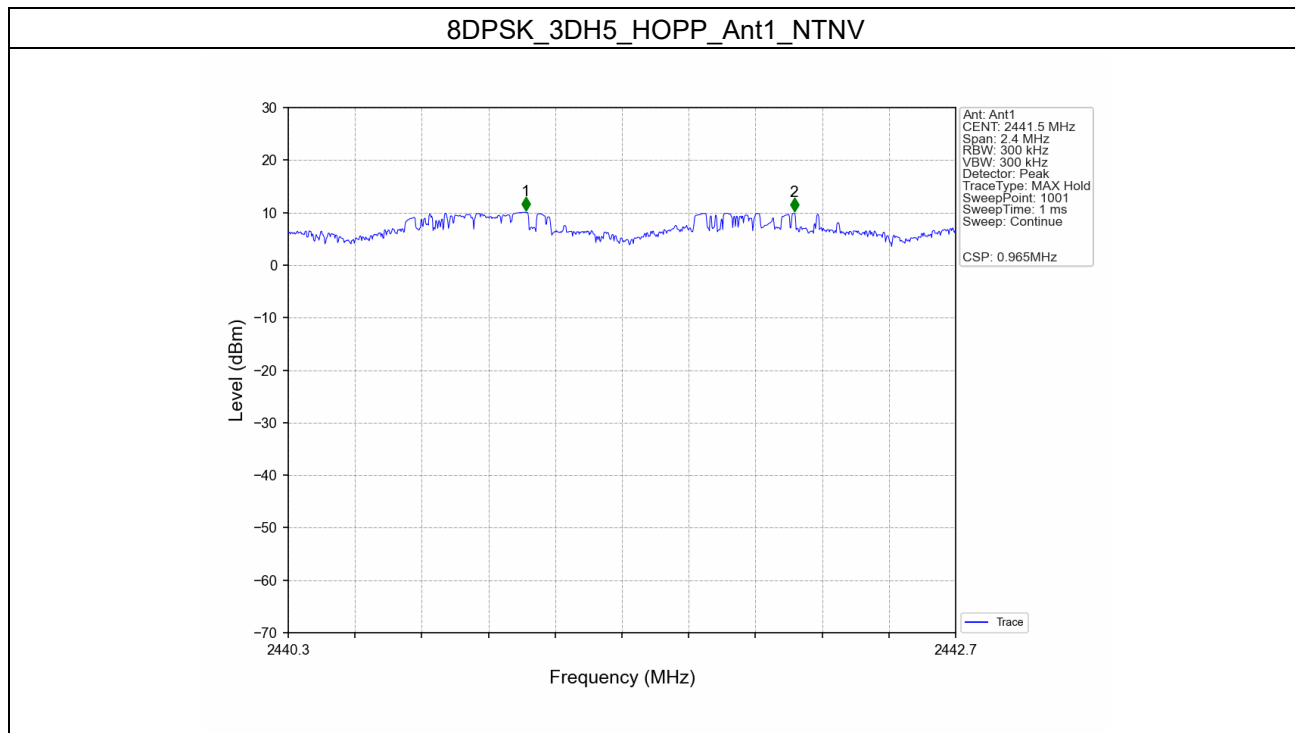
3.1.1 Ant1

Ant1							
Mode	TX Type	Frequency (MHz)	Packet Type	Channel Separation (MHz)	20dB Bandwidth (MHz)	Limit (MHz)	Verdict
GFSK	SISO	HOPP	DH5	1.000	0.968	>=0.968	Pass
Pi/4DQPSK	SISO	HOPP	2DH5	1.015	1.271	>=0.847	Pass
8DPSK	SISO	HOPP	3DH5	0.965	1.300	>=0.867	Pass

3.2 Test Graph

3.2.1 Ant1





4. Number of Hopping Frequencies

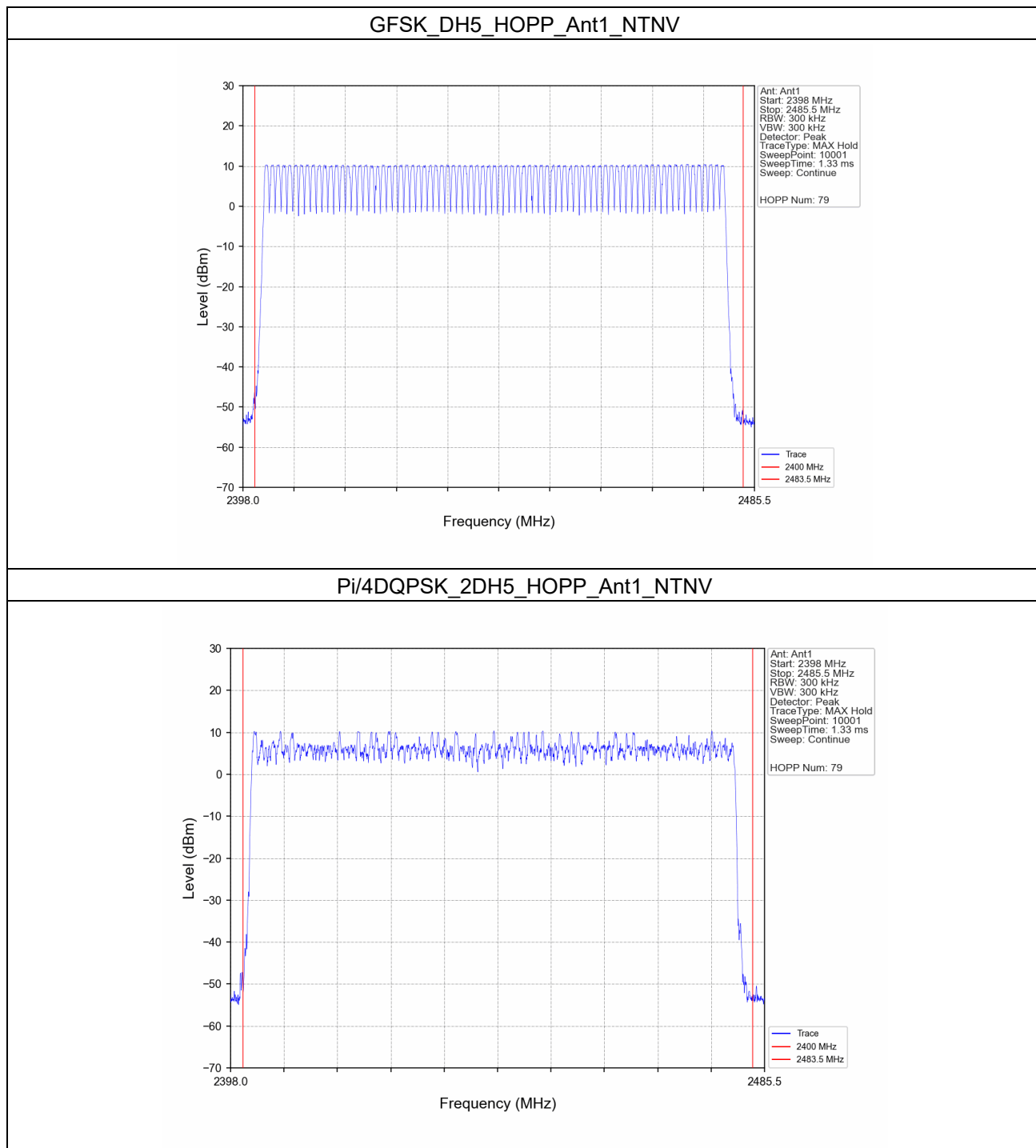
4.1 Test Result

4.1.1 HopNum

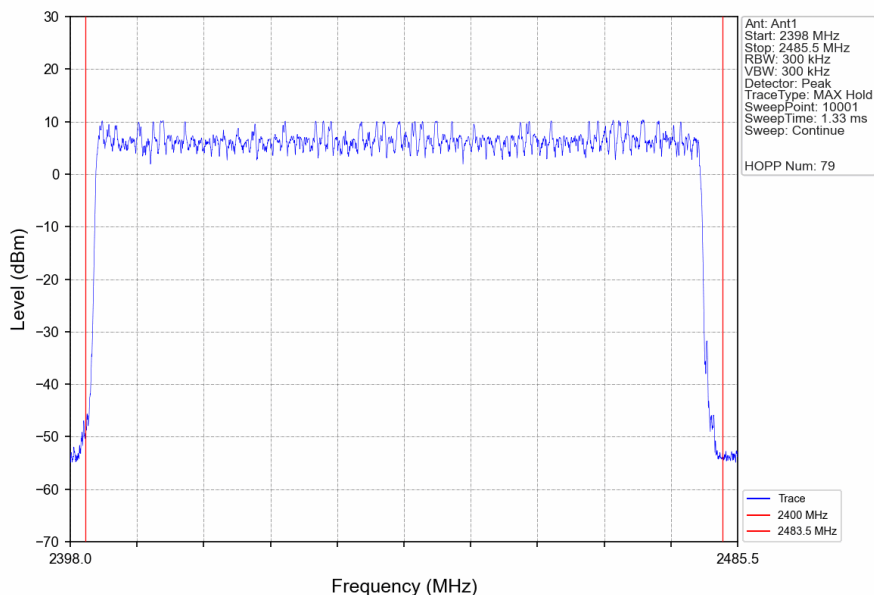
Mode	TX Type	Frequency (MHz)	Packet Type	Num of Hopping Frequencies		Verdict
				ANT1	Limit	
GFSK	SISO	HOPP	DH5	79	>=15	Pass
Pi/4DQPSK	SISO	HOPP	2DH5	79	>=15	Pass
8DPSK	SISO	HOPP	3DH5	79	>=15	Pass

4.2 Test Graph

4.2.1 HoppNum



8DPSK_3DH5_HOPP_Ant1_NTNV



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5. Time of Occupancy (Dwell Time)

5.1 Test Result

5.1.1 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	0.384	31.600	320	122.880	<=400	Pass
			DH3	1.634	31.600	160	261.440	<=400	Pass
			DH5	2.882	31.600	107	308.374	<=400	Pass
Pi/4DQPSK	SISO	HOPP	2DH1	0.384	31.600	320	122.880	<=400	Pass
			2DH3	1.636	31.600	160	261.760	<=400	Pass
			2DH5	2.884	31.600	107	308.588	<=400	Pass
8DPSK	SISO	HOPP	3DH1	0.384	31.600	320	122.880	<=400	Pass
			3DH3	1.634	31.600	159	259.806	<=400	Pass
			3DH5	2.886	31.600	107	308.802	<=400	Pass

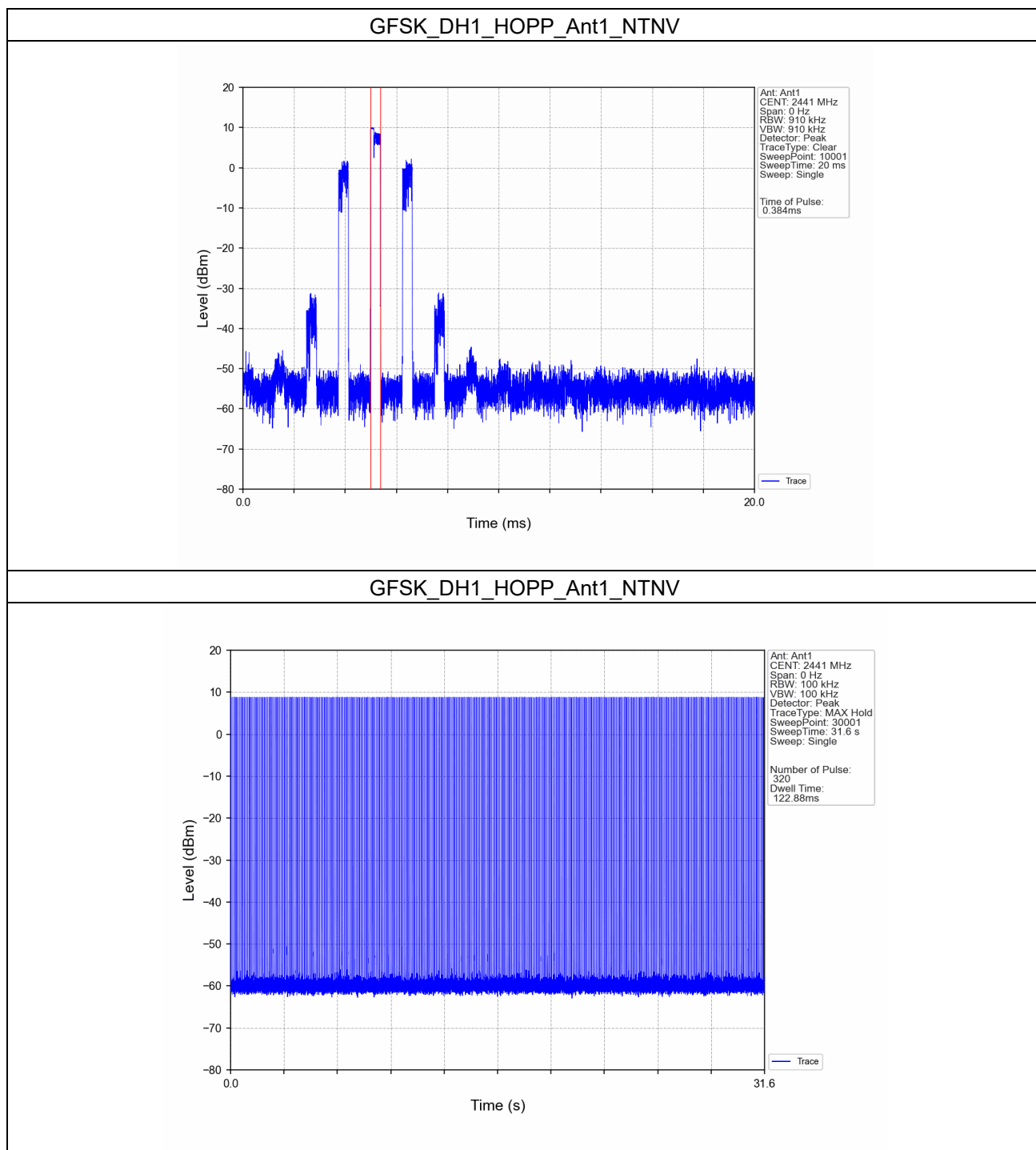


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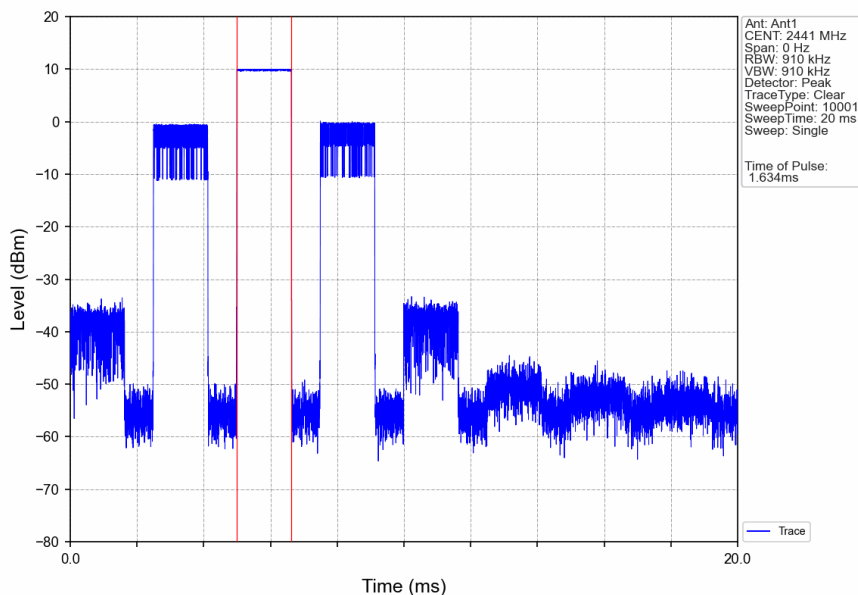
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5.2 Test Graph

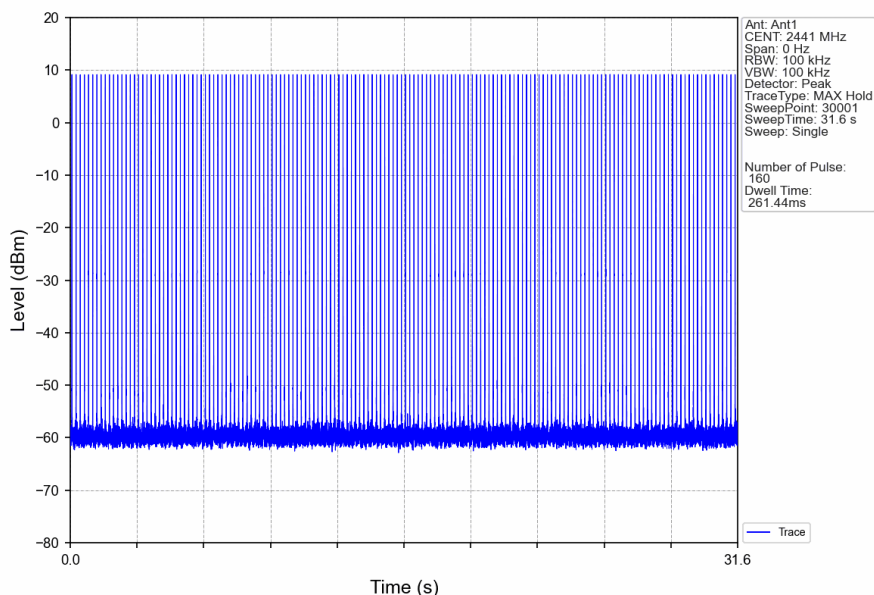
5.2.1 Ant1



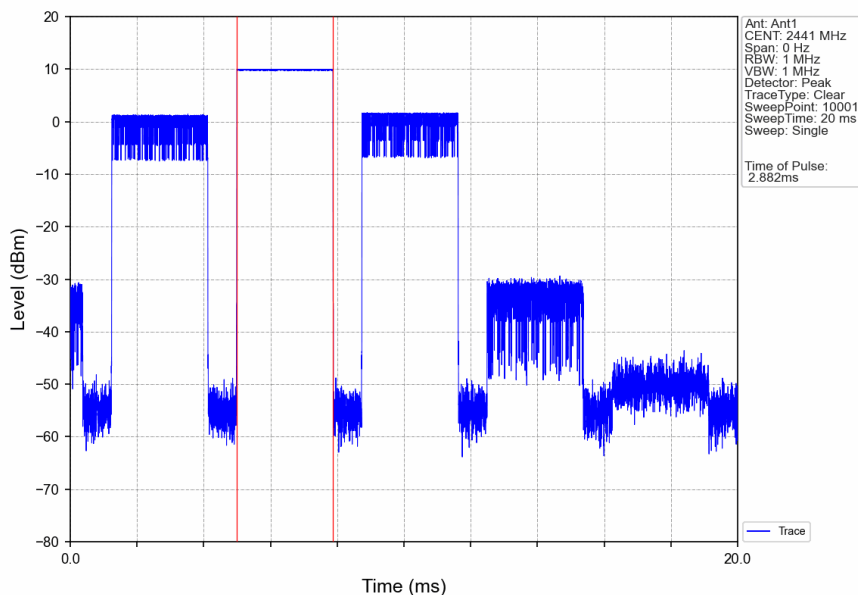
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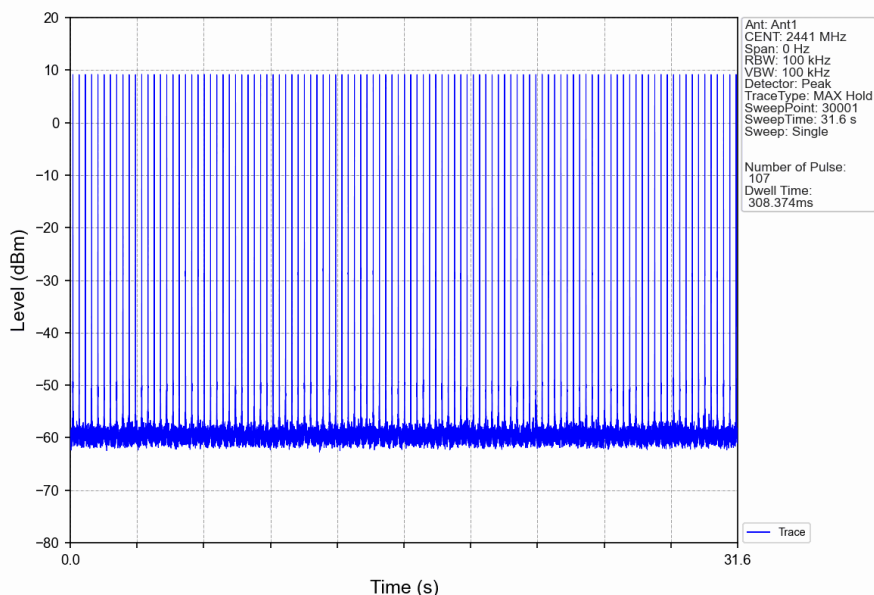
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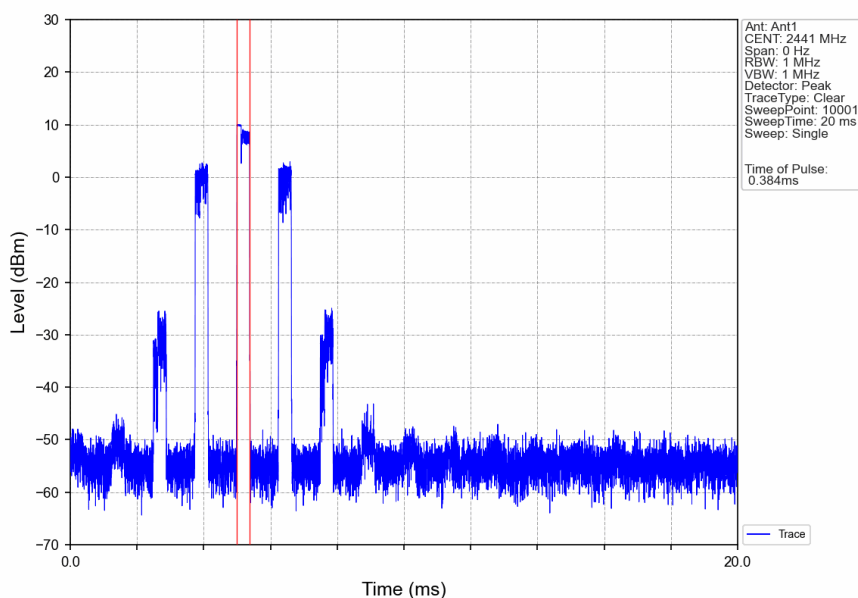
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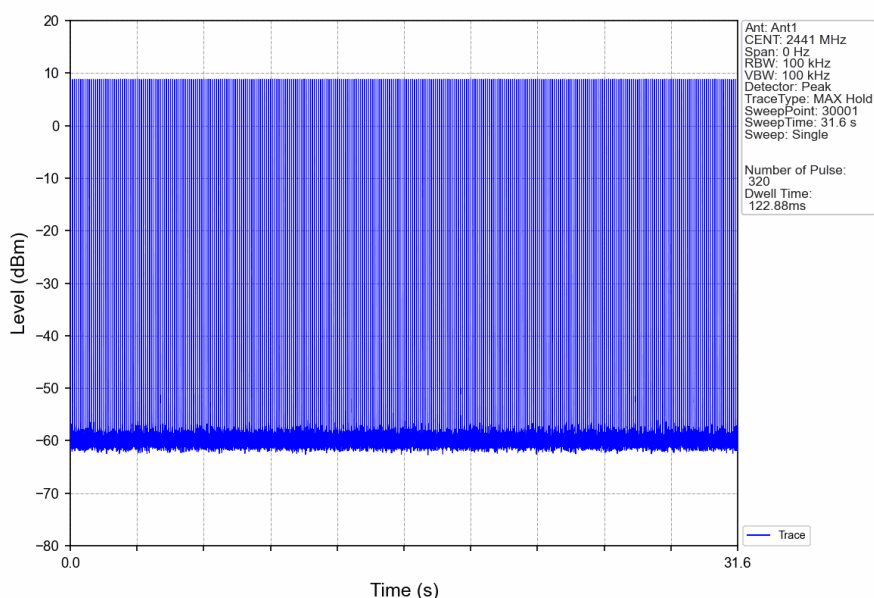
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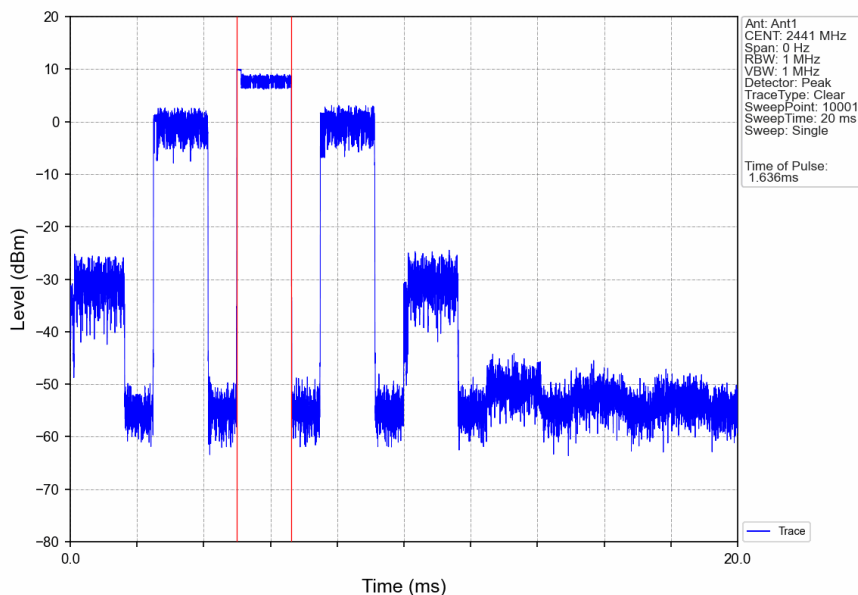
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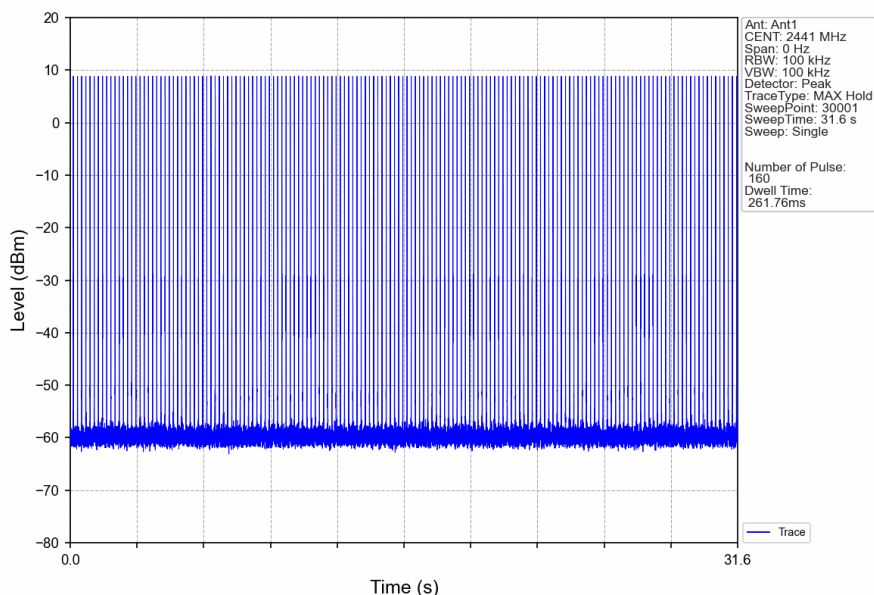
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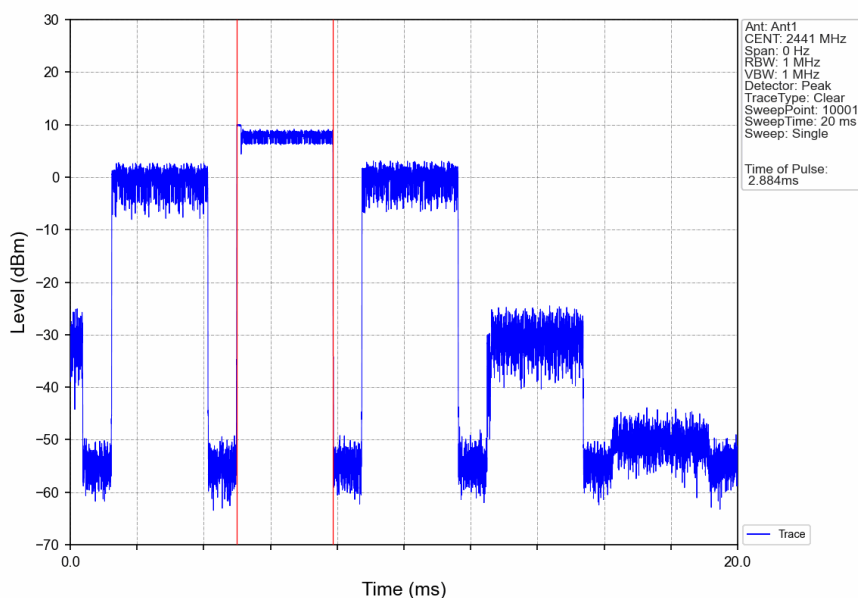
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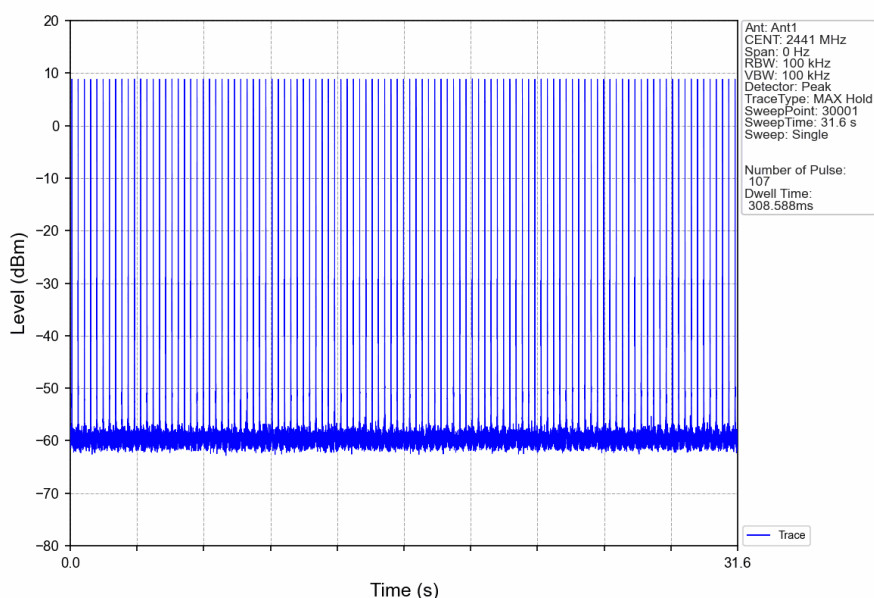
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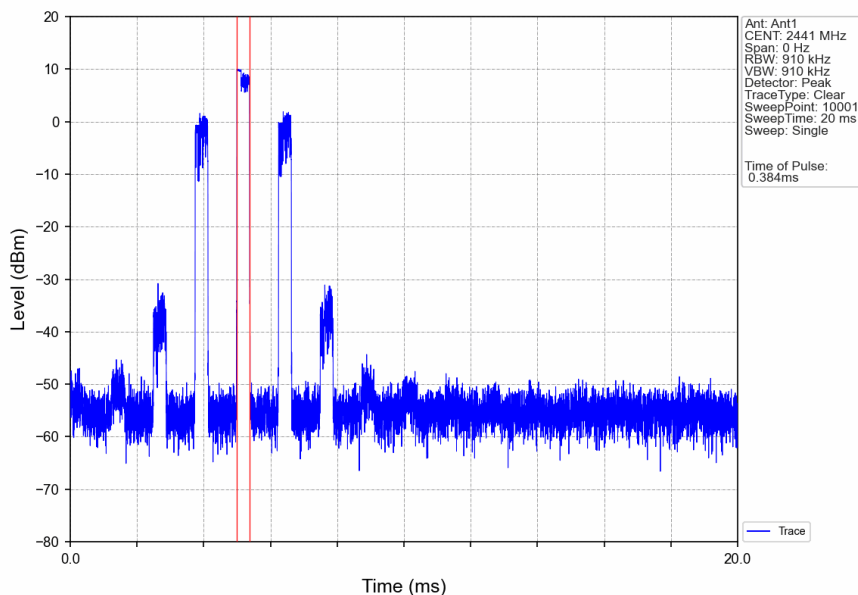
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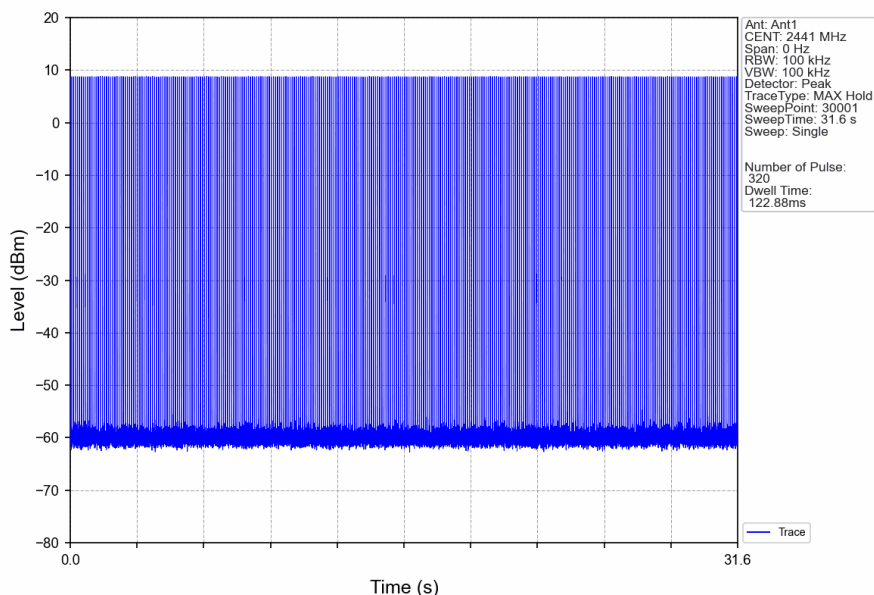
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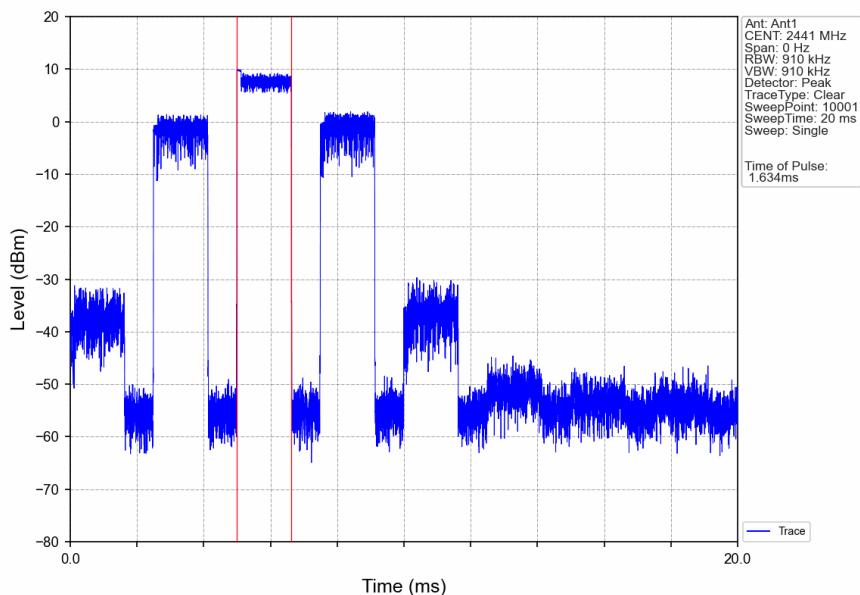
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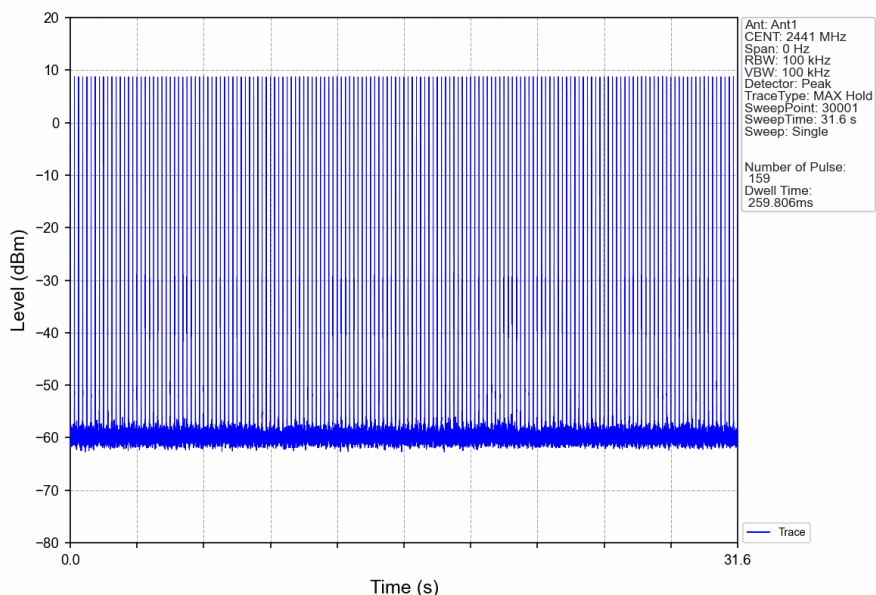
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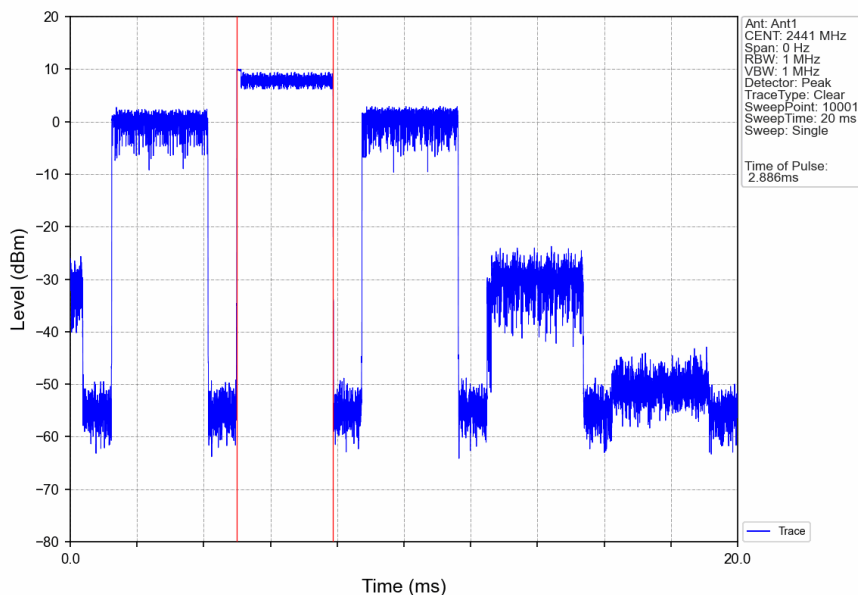
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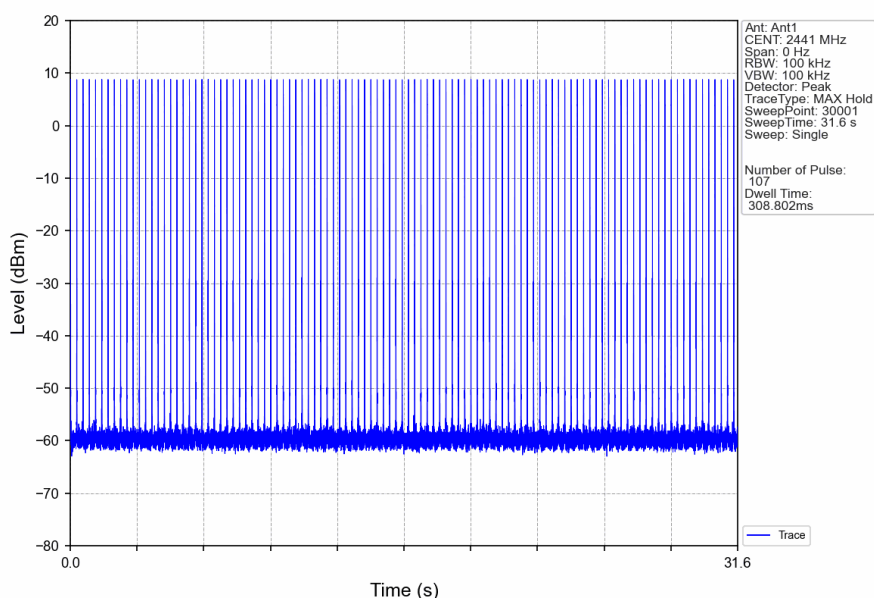
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8DPSK_3DH5_HOPP_Ant1_NTNV



8DPSK_3DH5_HOPP_Ant1_NTNV



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	5.23
		2441	DH5	1	4.90
		2480	DH5	1	4.89
Pi/4DQPSK	SISO	2402	2DH5	1	5.00
		2441	2DH5	1	4.89
		2480	2DH5	1	4.86
8DPSK	SISO	2402	3DH5	1	5.21
		2441	3DH5	1	5.03
		2480	3DH5	1	5.07

Note1: Refer to FCC Part 15.247 (d) and ANSI C63.10-2020, the channel contains the maximum PSD level was used to establish the reference level.



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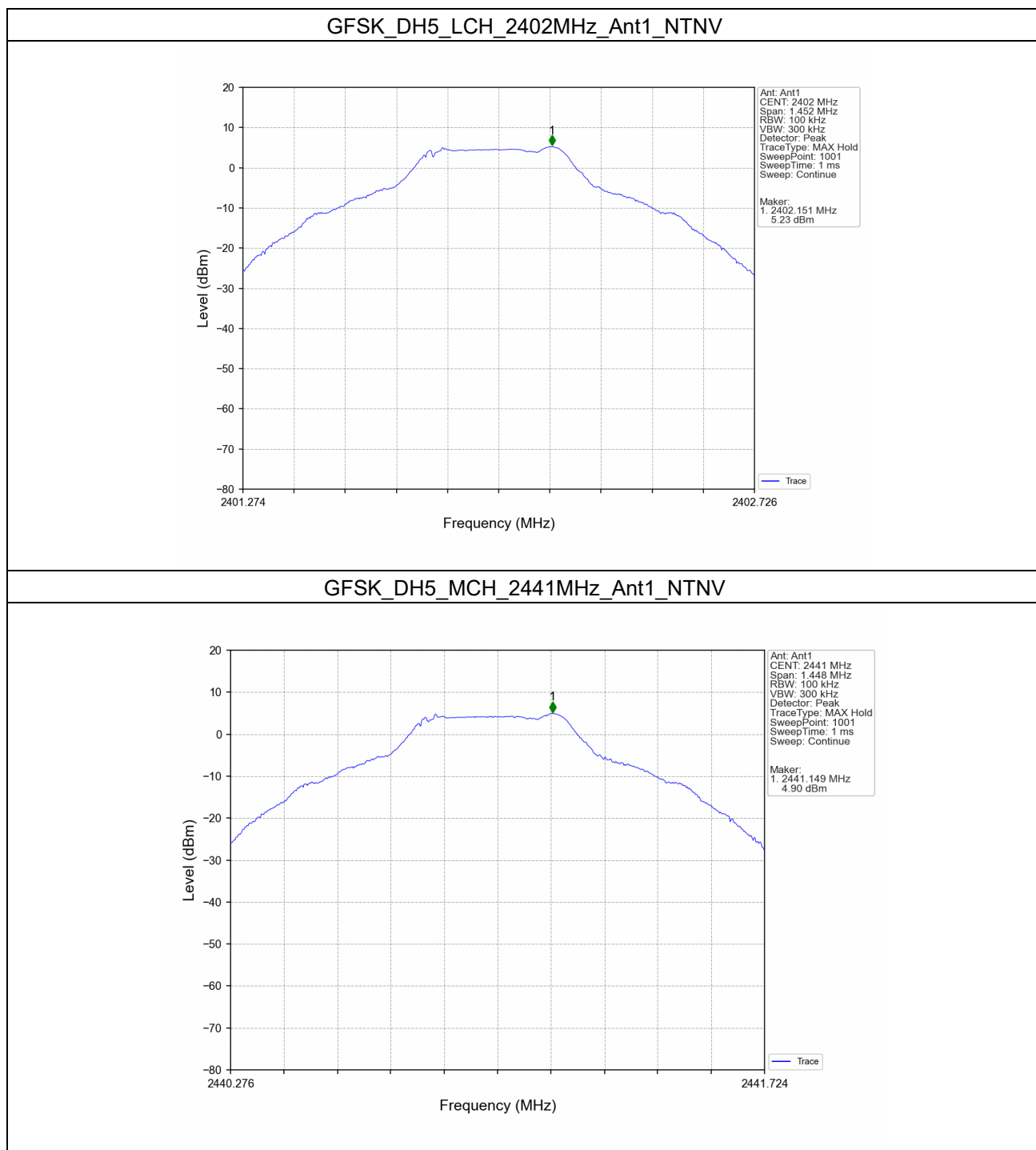
6.1.2 CSE

Mode	TX Type	Frequency (MHz)	Packet Type	ANT	Level of Reference (dBm)	Limit (dBm)	Verdict
GFSK	SISO	2402	DH5	1	5.23	-14.77	Pass
		2441	DH5	1	5.23	-14.77	Pass
		2480	DH5	1	5.23	-14.77	Pass
		HOPP	DH5	1	5.23	-14.77	Pass
					5.23	-14.77	Pass
Pi/4DQPSK	SISO	2402	2DH5	1	5.00	-15.00	Pass
		2441	2DH5	1	5.00	-15.00	Pass
		2480	2DH5	1	5.00	-15.00	Pass
		HOPP	2DH5	1	5.00	-15.00	Pass
					5.00	-15.00	Pass
8DPSK	SISO	2402	3DH5	1	5.21	-14.79	Pass
		2441	3DH5	1	5.21	-14.79	Pass
		2480	3DH5	1	5.21	-14.79	Pass
		HOPP	3DH5	1	5.21	-14.79	Pass
					5.21	-14.79	Pass

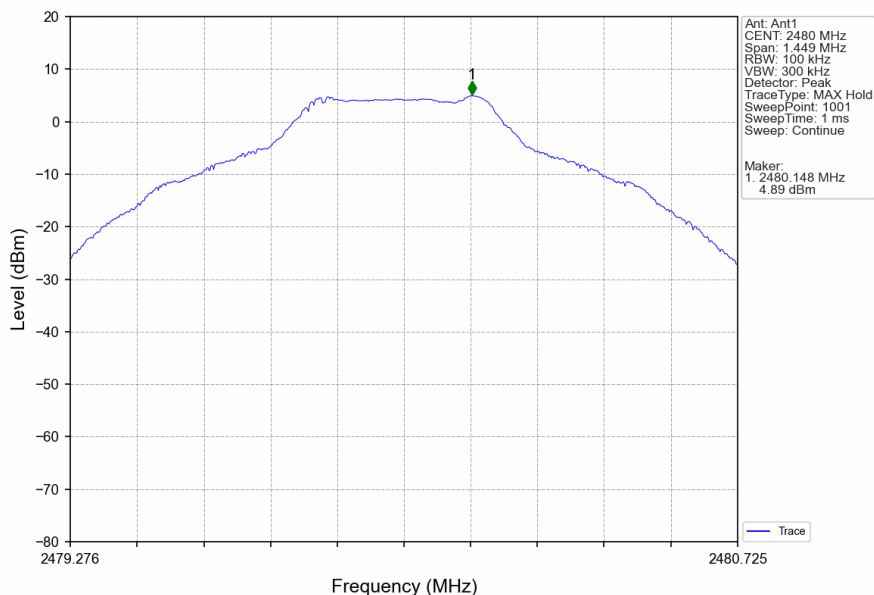
Note1: Refer to FCC Part 15.247 (d) and ANSI C63.10-2020, the channel contains the maximum PSD level was used to establish the reference level.

6.2 Test Graph

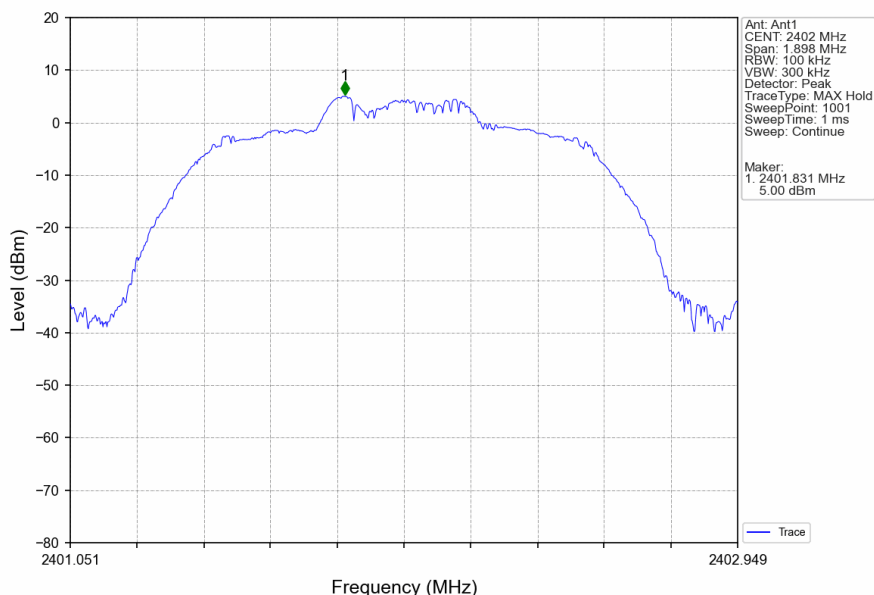
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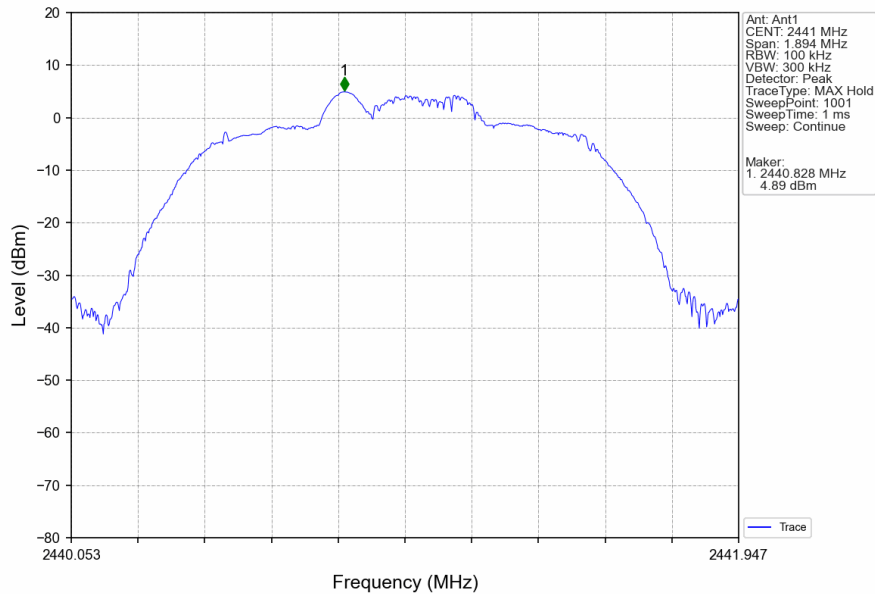
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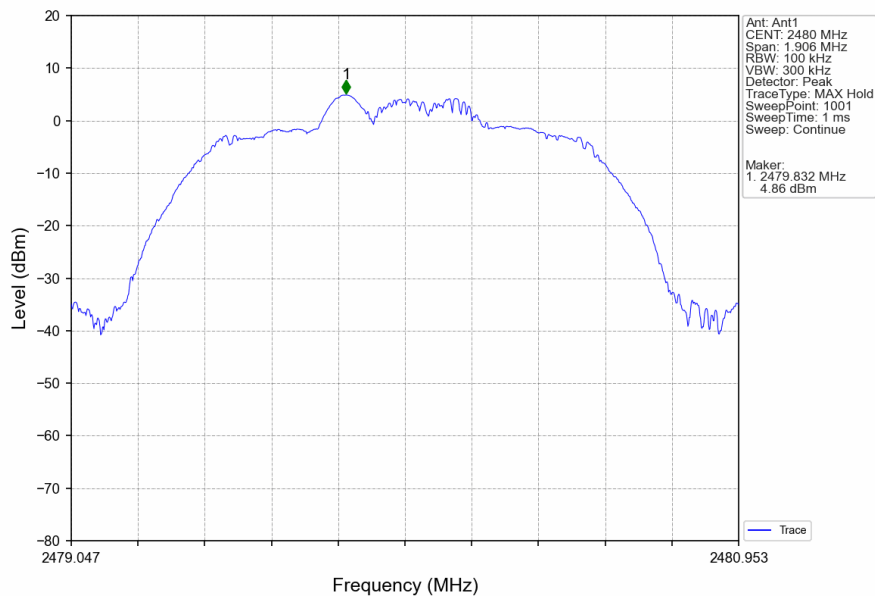
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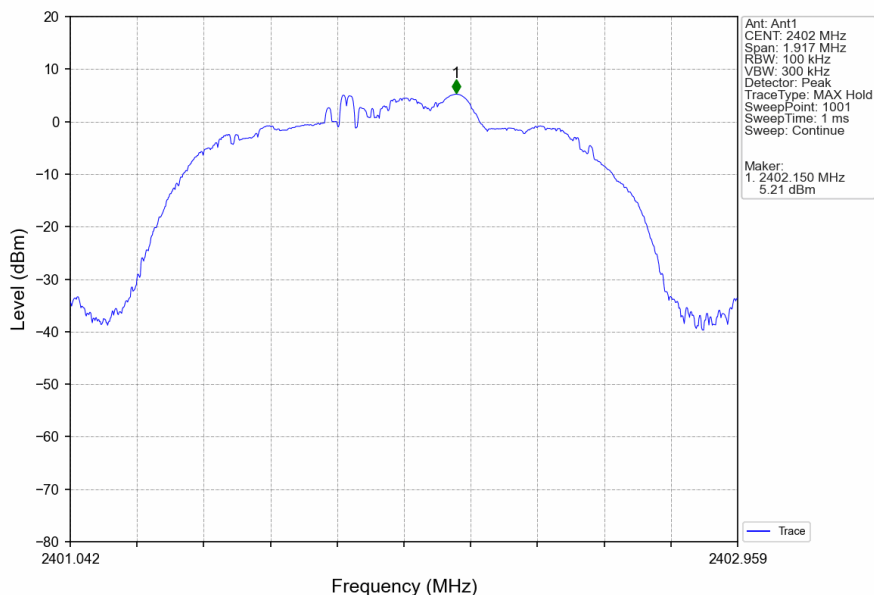
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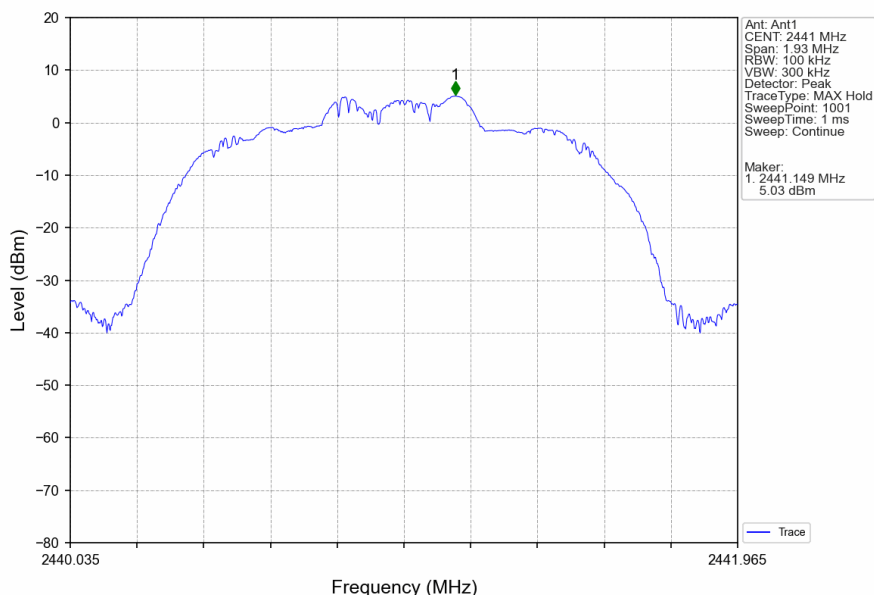
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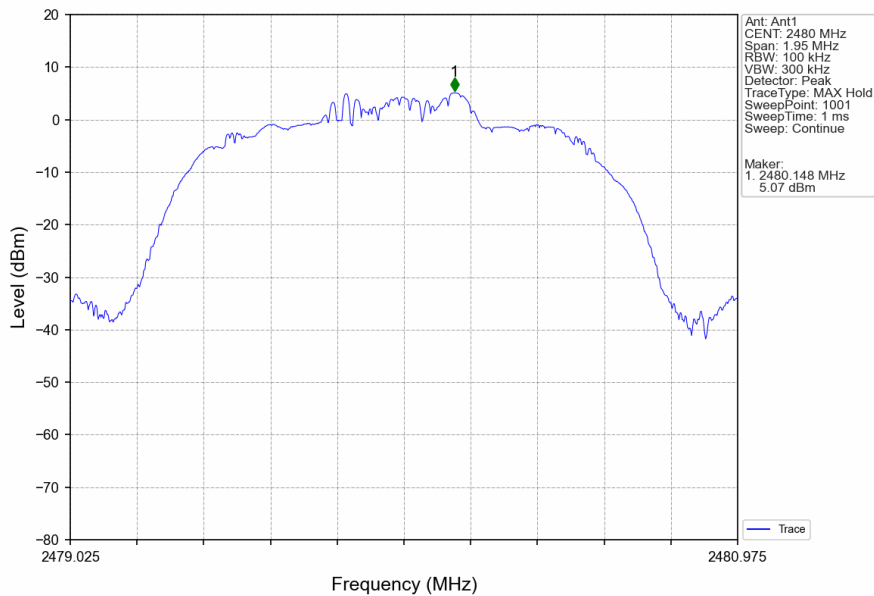
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8DPSK_3DH5_MCH_2441MHz_Ant1_NTNV



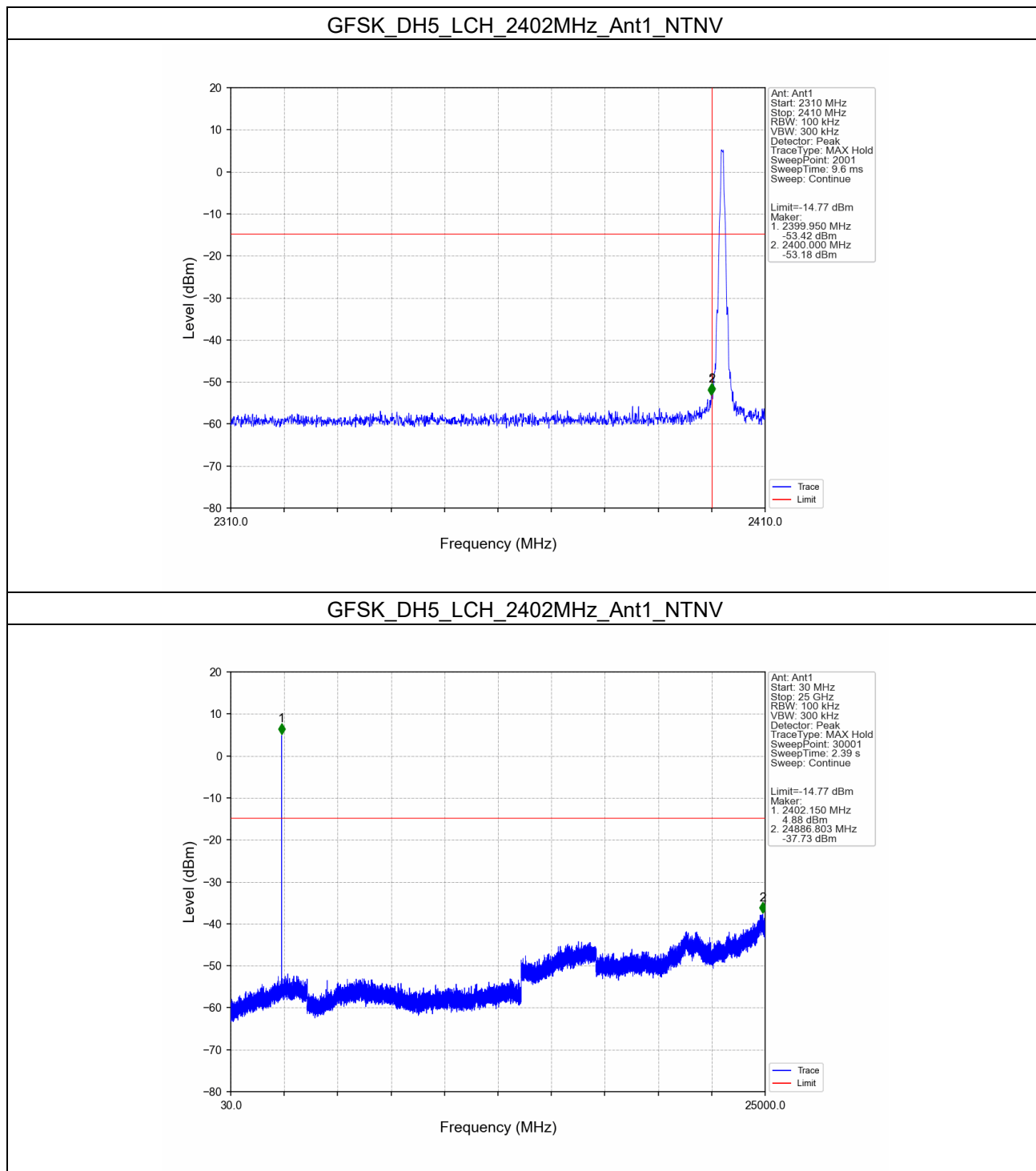
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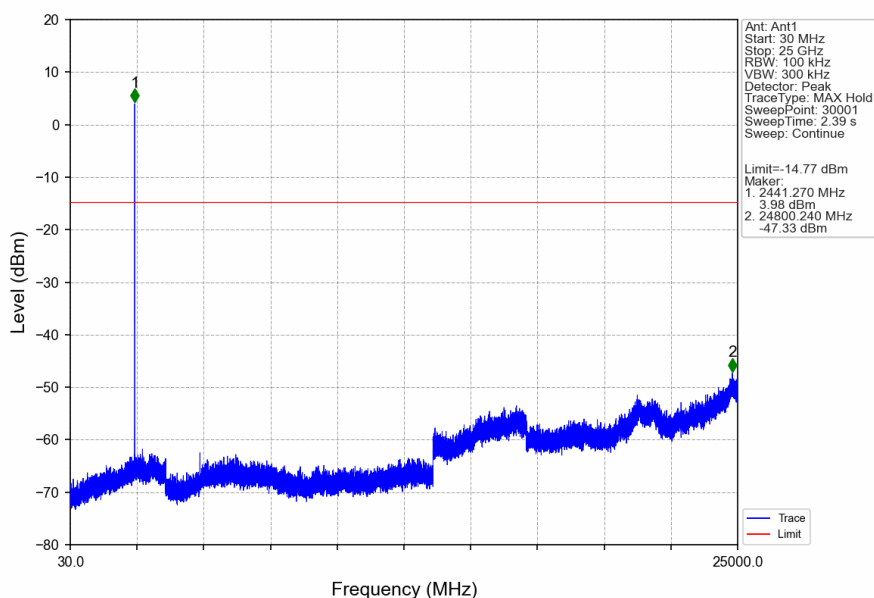
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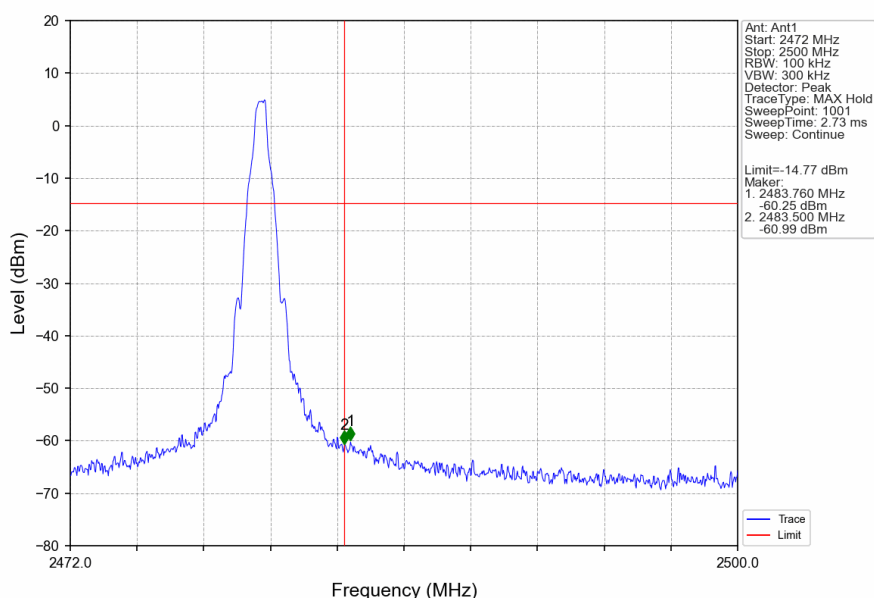
6.2.2 CSE



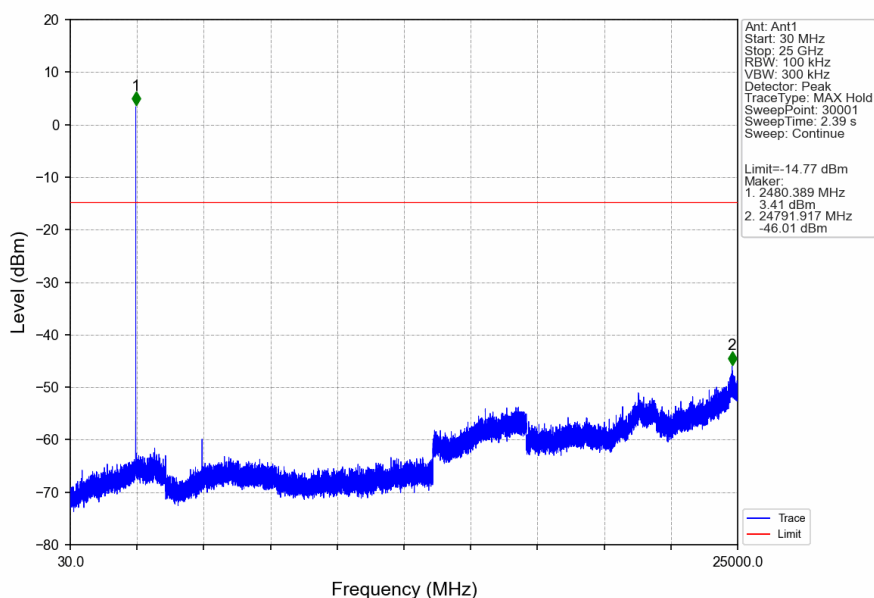
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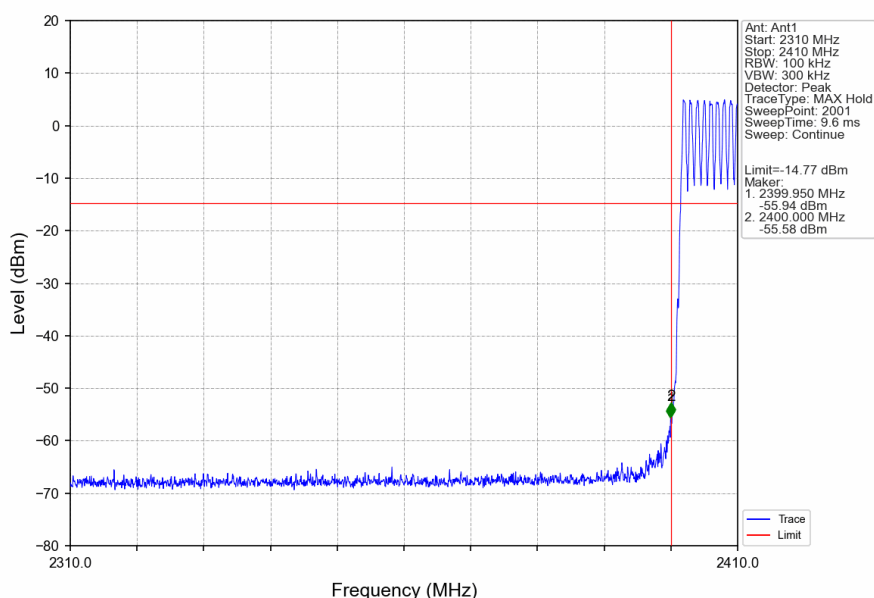
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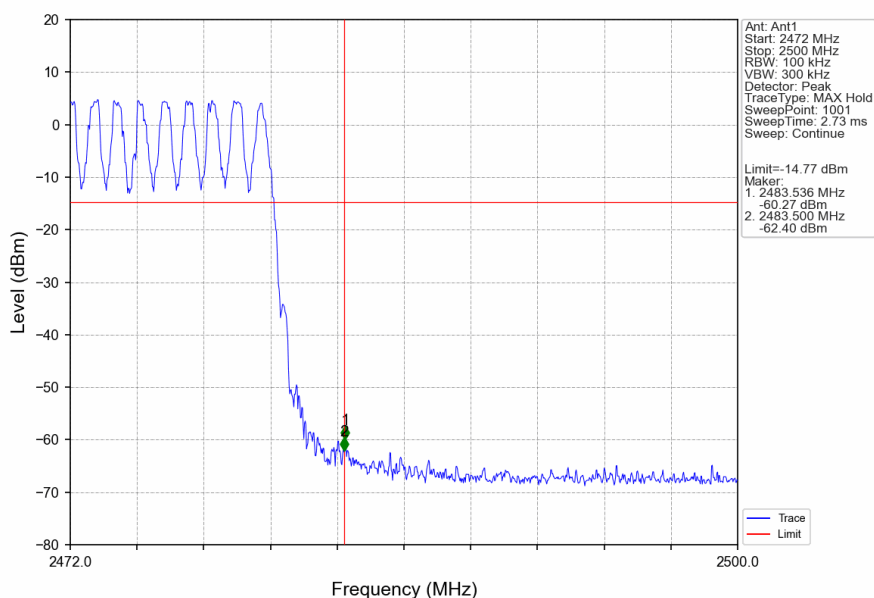
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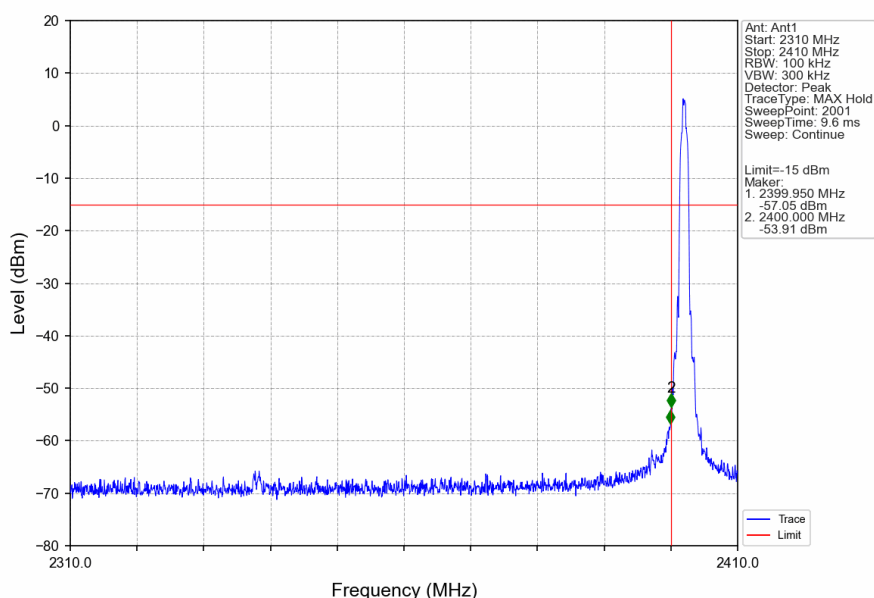
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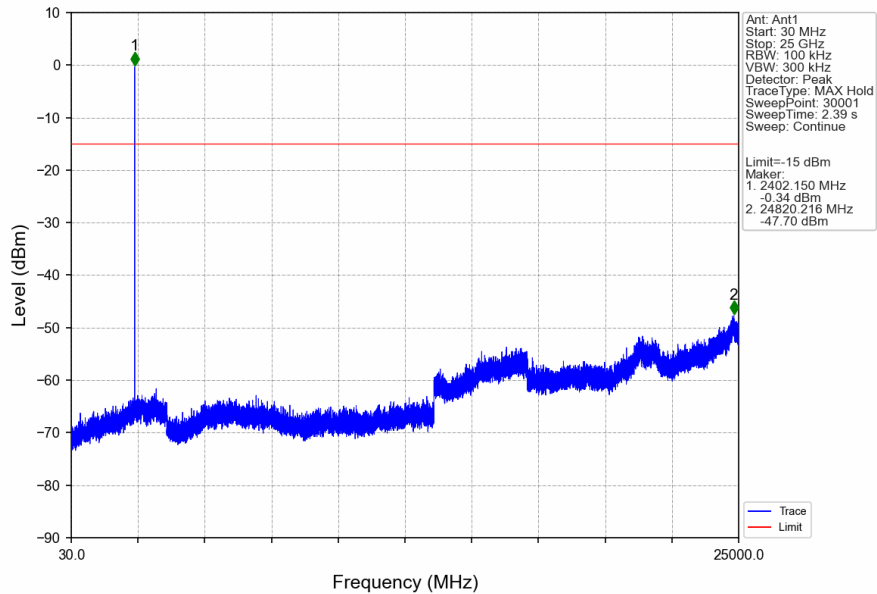
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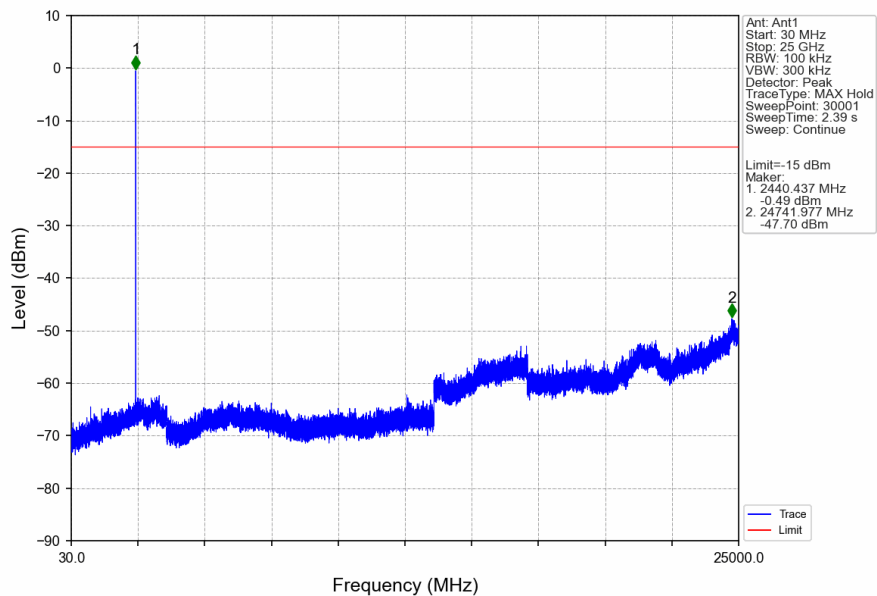
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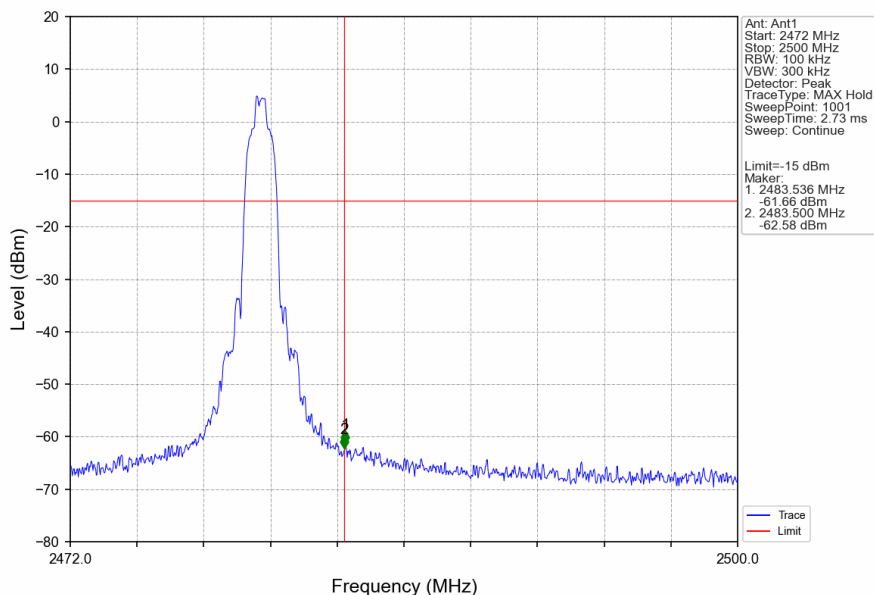
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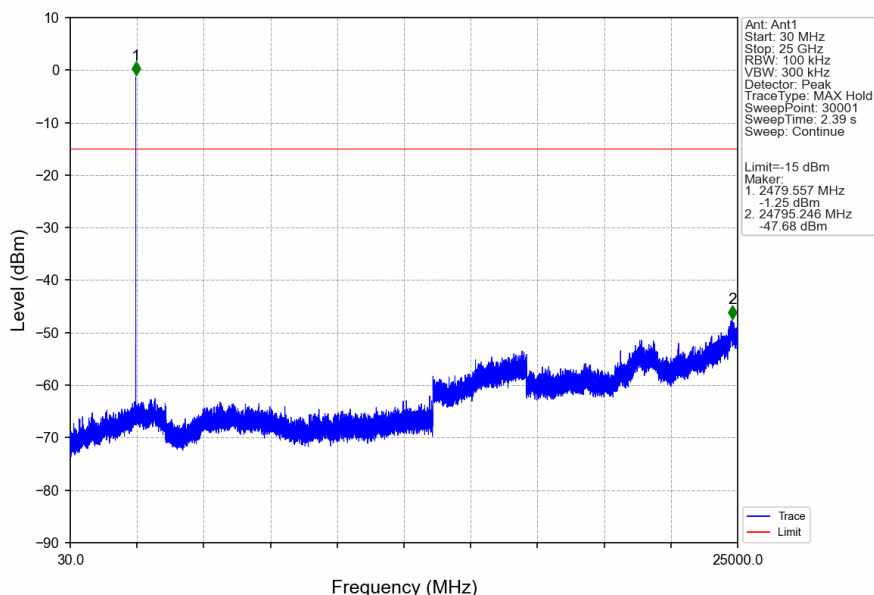
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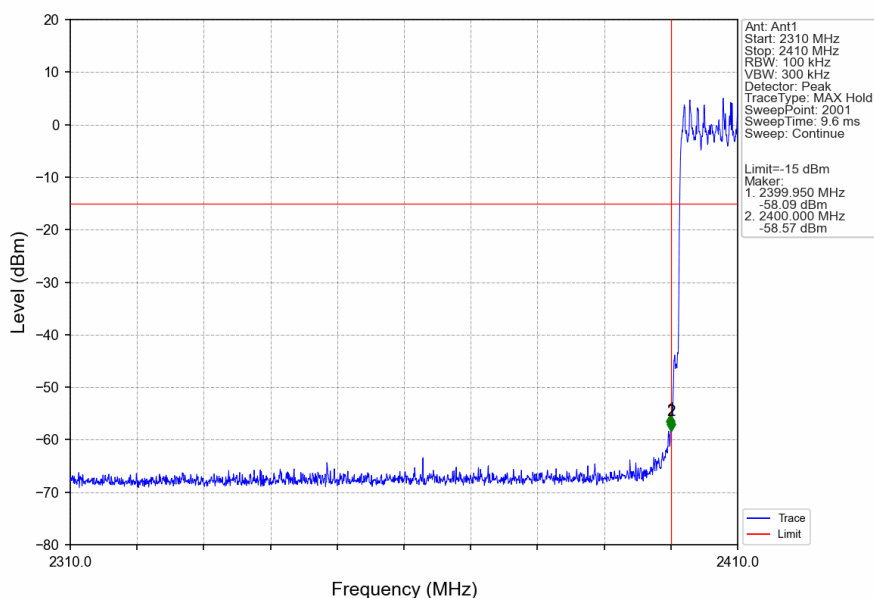
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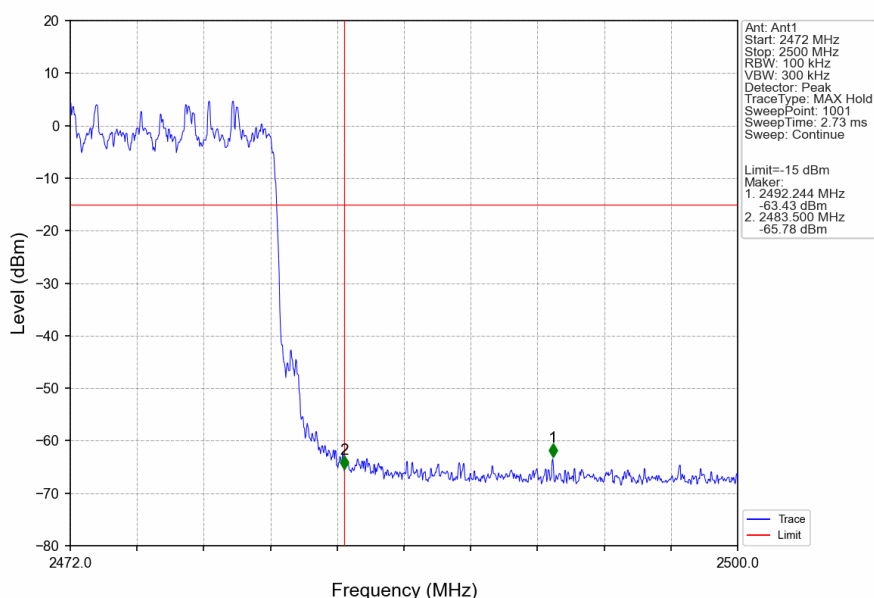
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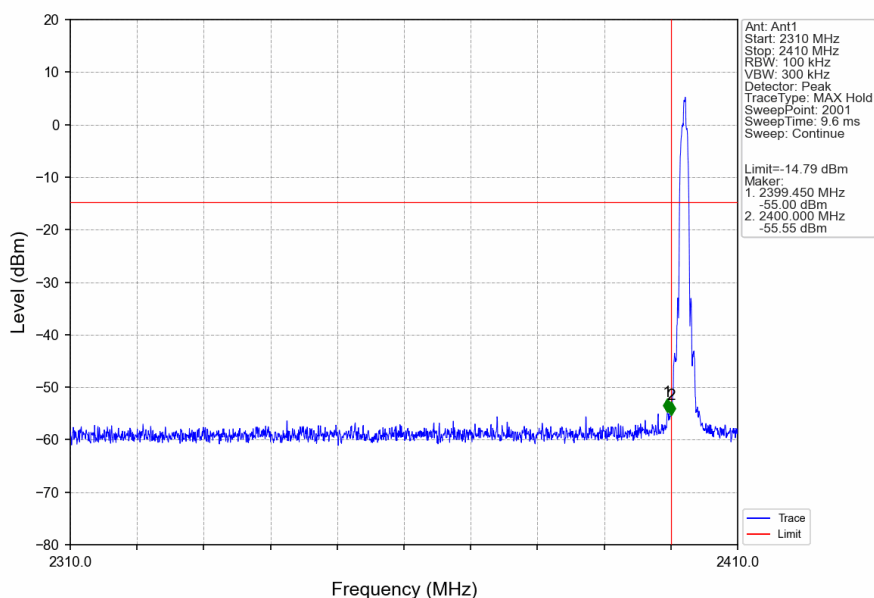
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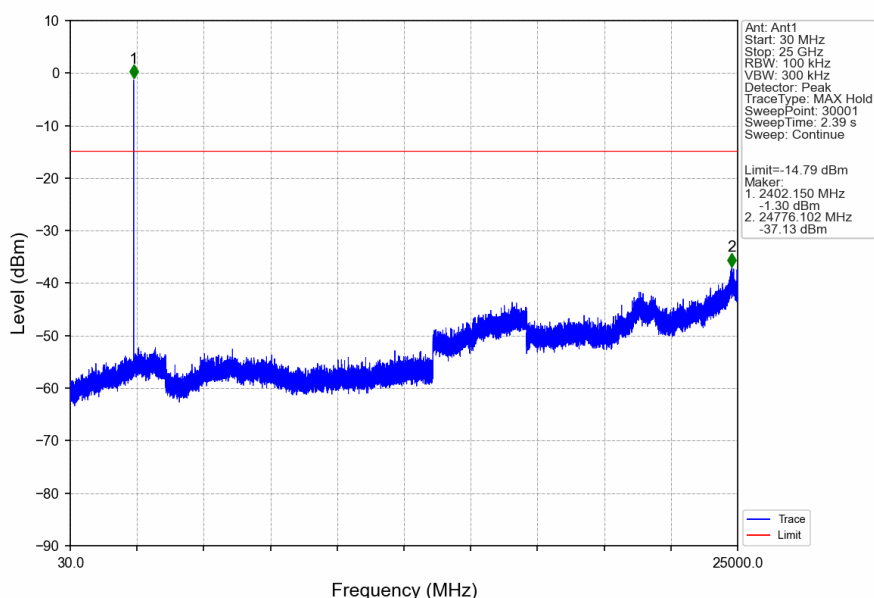
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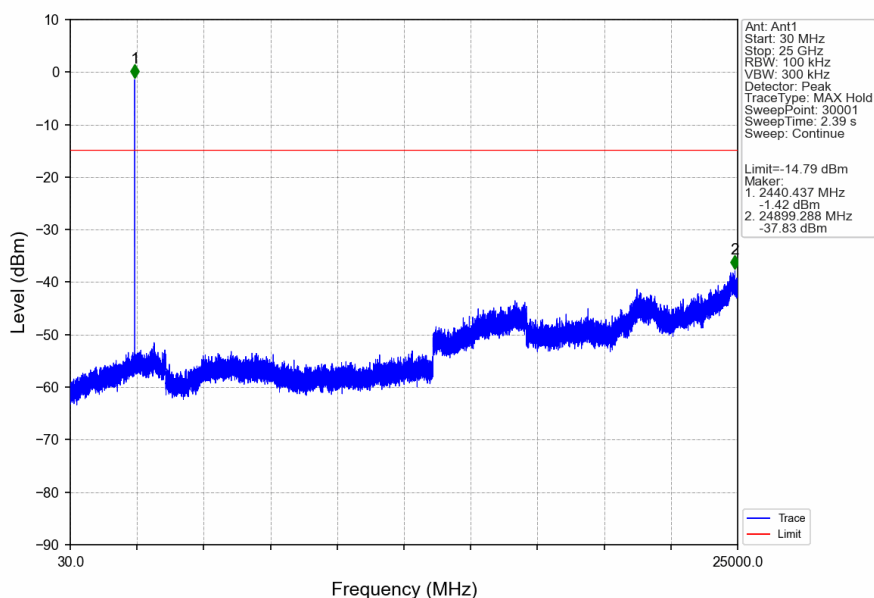
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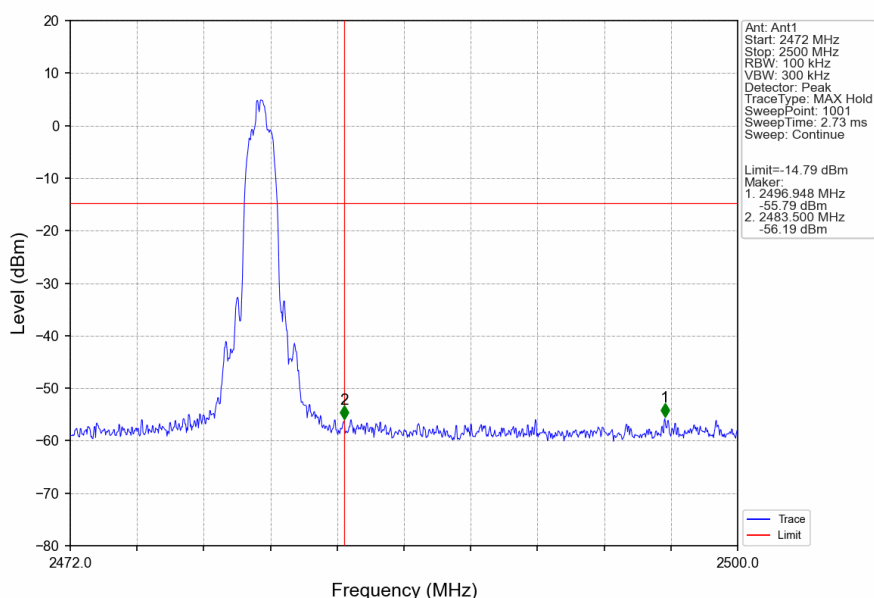
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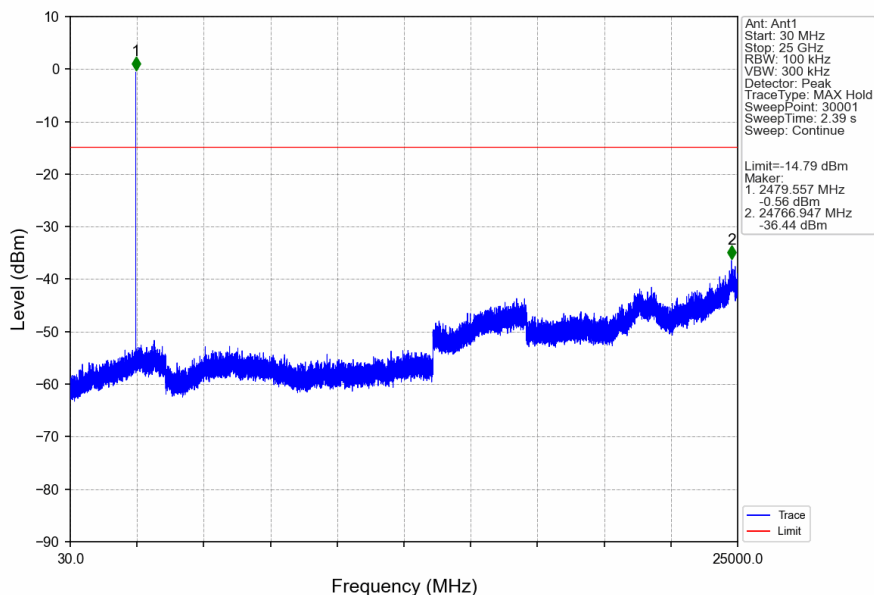
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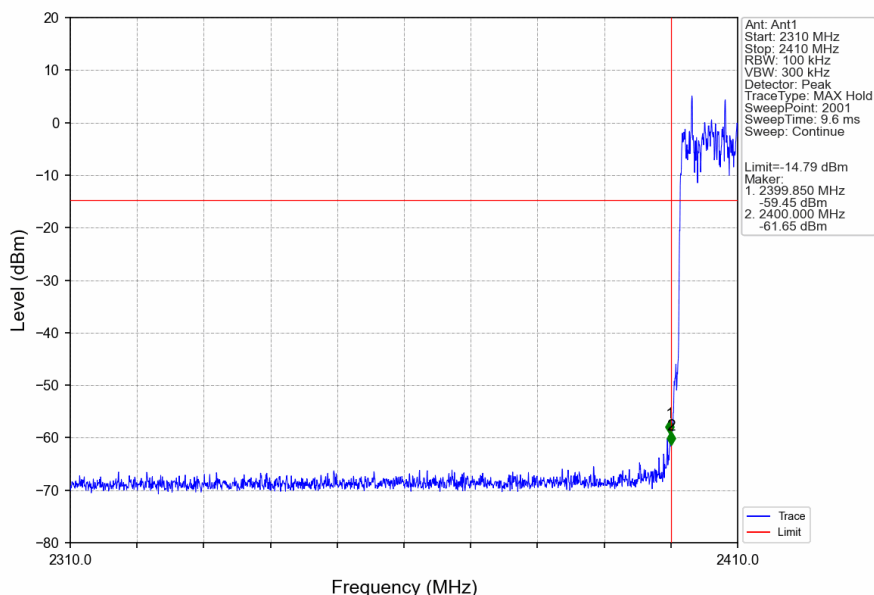
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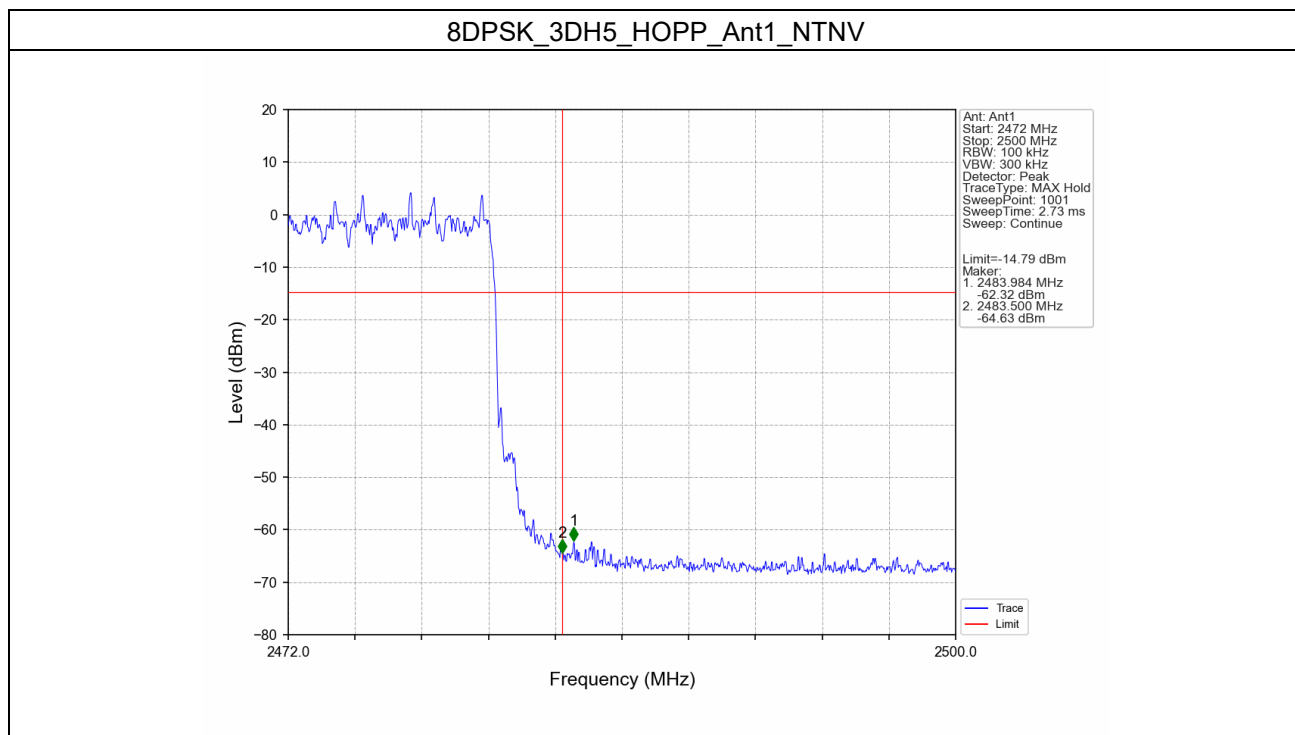


8DPSK_3DH5_HCH_2480MHz_Ant1_NTNV



8DPSK_3DH5_HOPP_Ant1_NTNV





- End of the Report -