

4. Number of Hopping Frequencies

4.1 HoppNum

4.1.1 Test Result

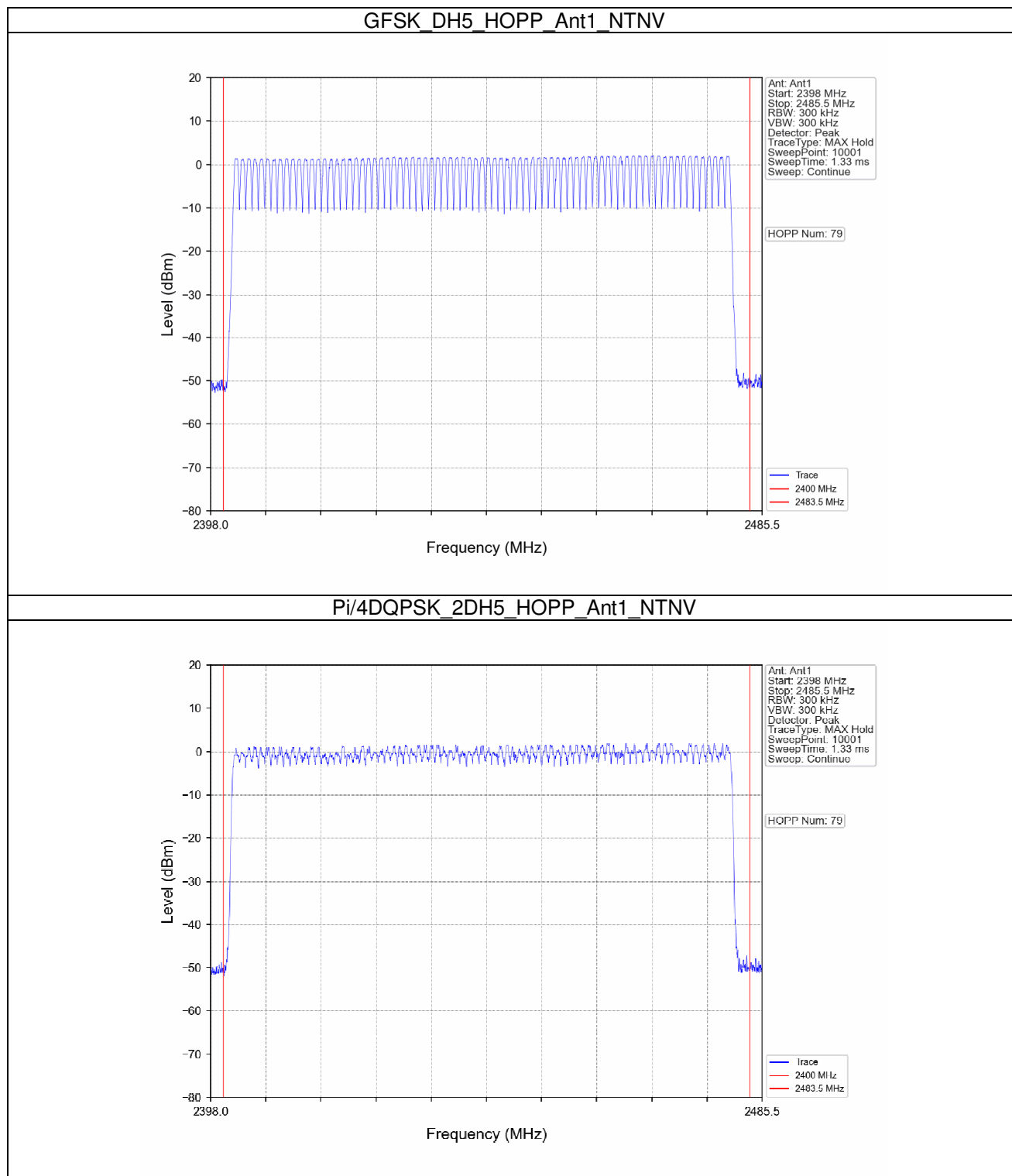
Mode	TX Type	Frequency (MHz)	Packet Type	Num of Hopping Frequencies		Verdict
				ANT1	Limit	
GFSK	SISO	HOPP	DH5	79	≥ 15	Pass
Pi/4DQPSK	SISO	HOPP	2DH5	79	≥ 15	Pass



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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

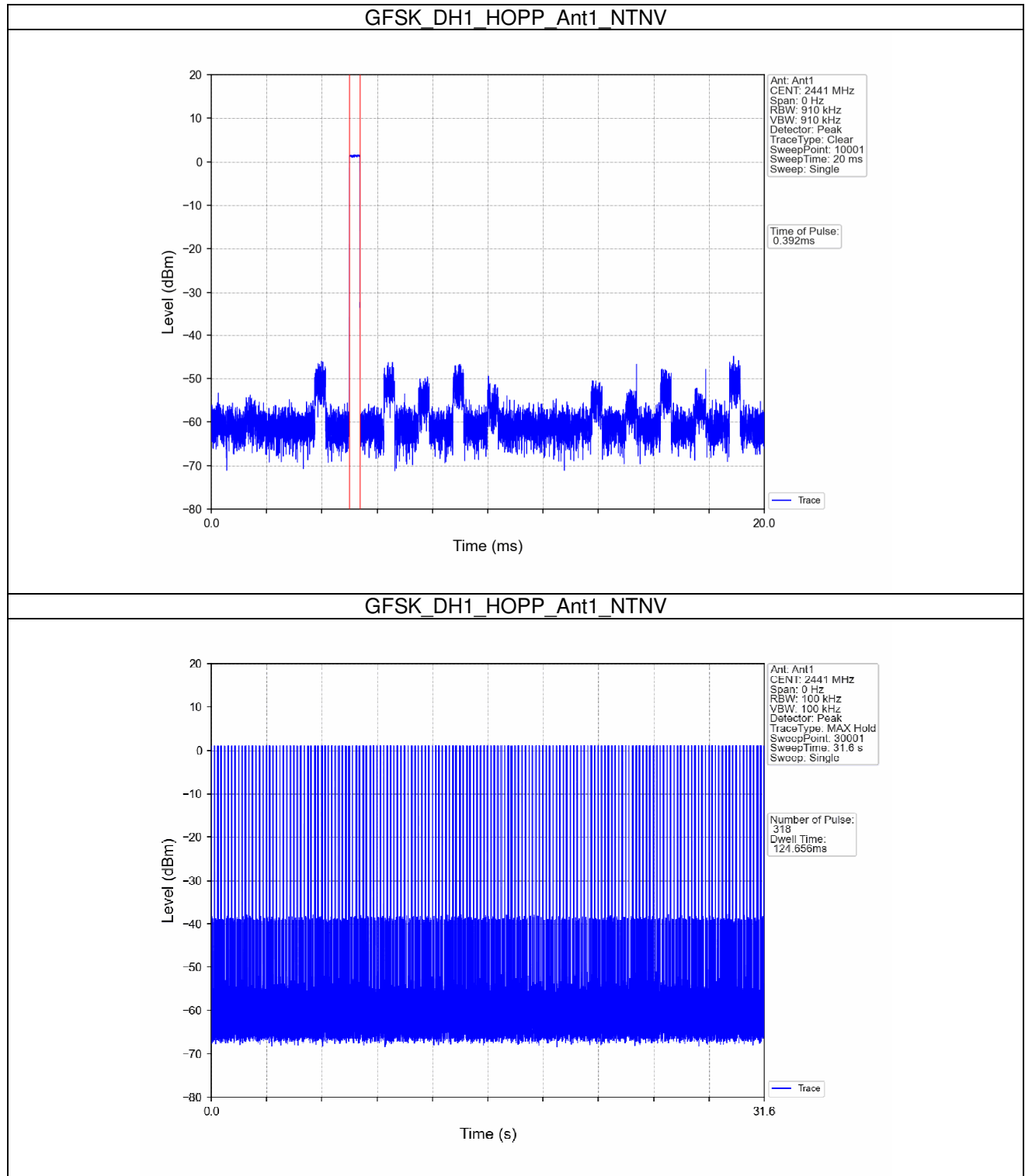
Ant1									
Mode	TX Type	Frequency (MHz)	Packet Type	Duration of Single Pulse (ms)	Observation Period (s)	Num of Pulse in Observation Period	Dwell Time (ms)	Limit (ms)	Verdict
GFSK	SISO	HOPP	DH1	0.392	31.600	318	124.656	<=400	Pass
			DH3	1.646	31.600	166	273.236	<=400	Pass
			DH5	2.896	31.600	107	309.872	<=400	Pass
Pi/4DQPSK	SISO	HOPP	2DH1	0.400	31.600	319	127.600	<=400	Pass
			2DH3	1.646	31.600	176	289.696	<=400	Pass
			2DH5	2.894	31.600	113	327.022	<=400	Pass



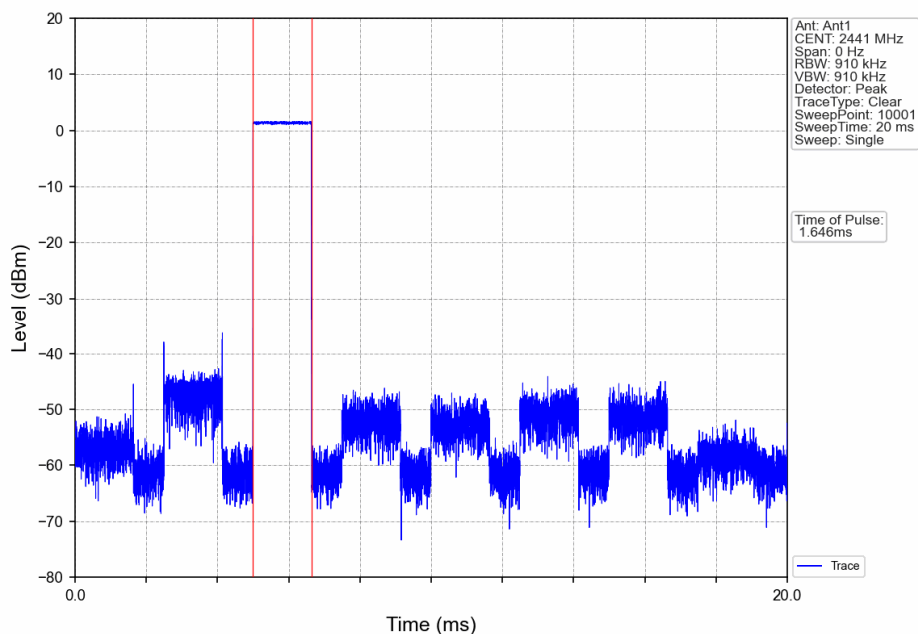
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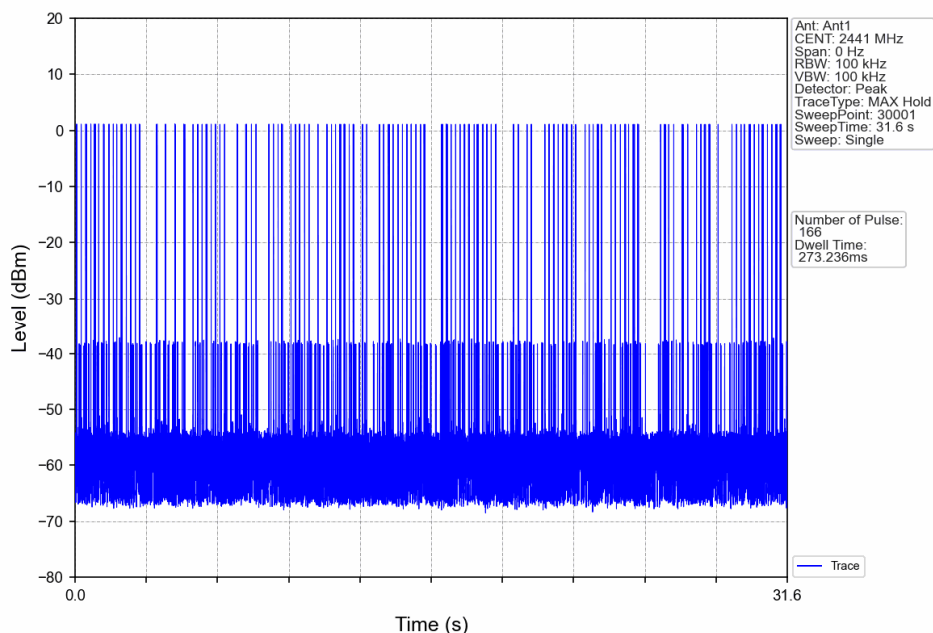
5.1.2 Test Graph



GFSK_DH3_HOPP_Ant1_NTNV



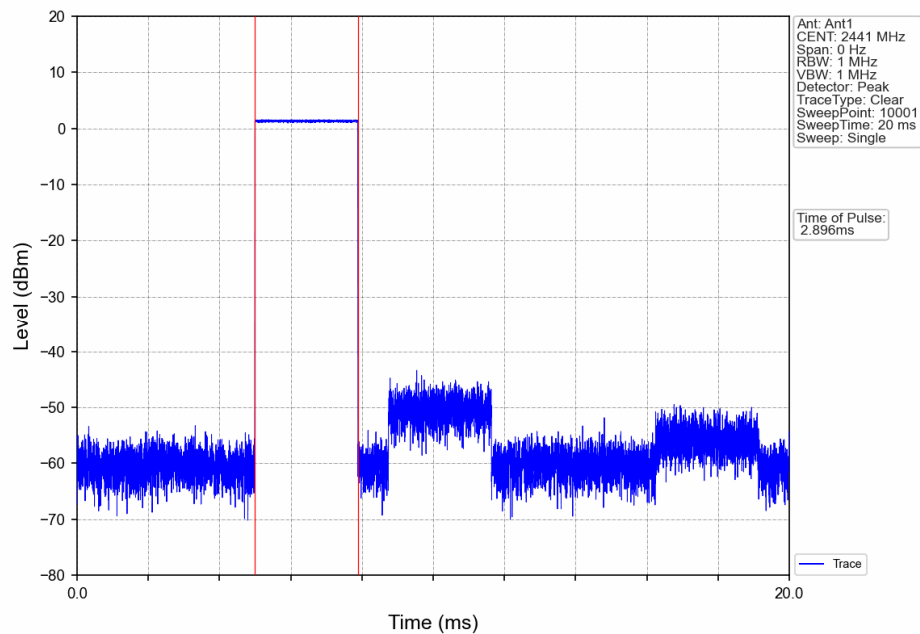
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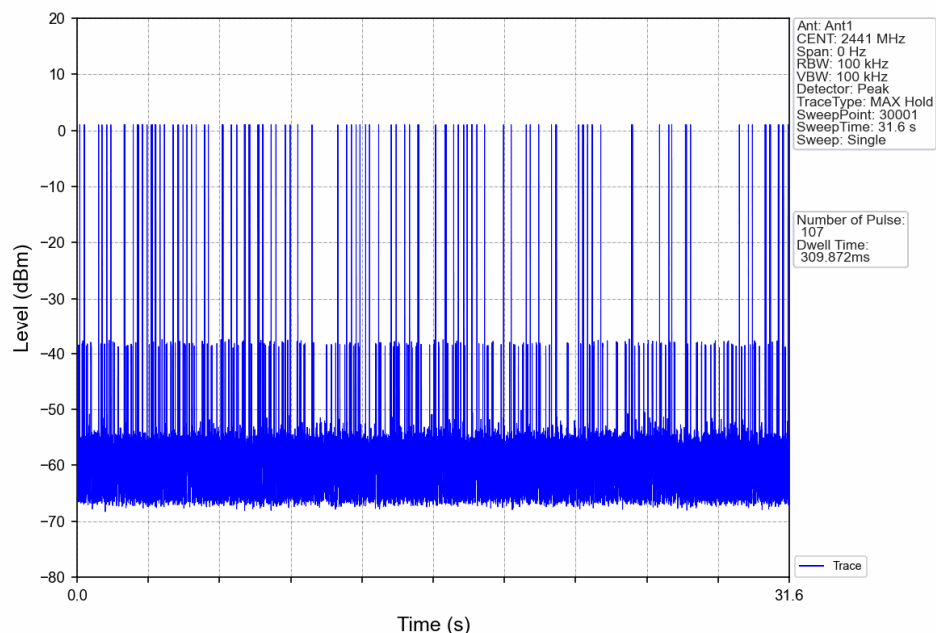
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GFSK_DH5_HOPP_Ant1_NTNV



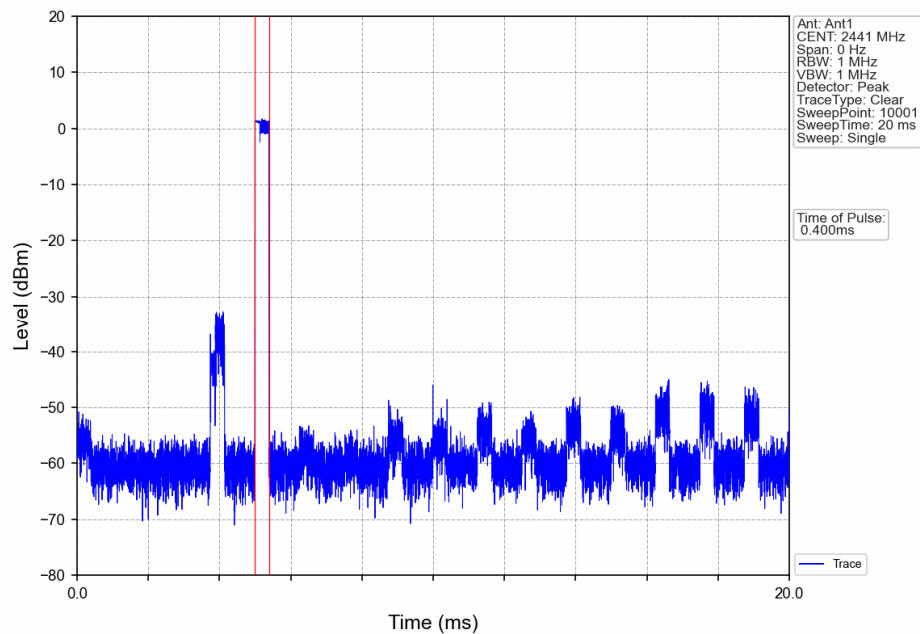
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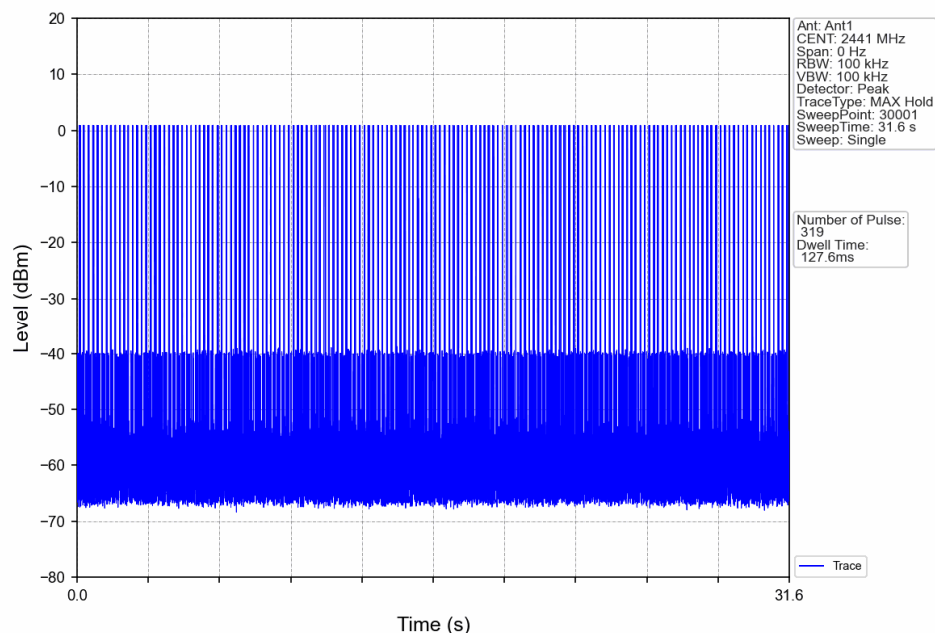
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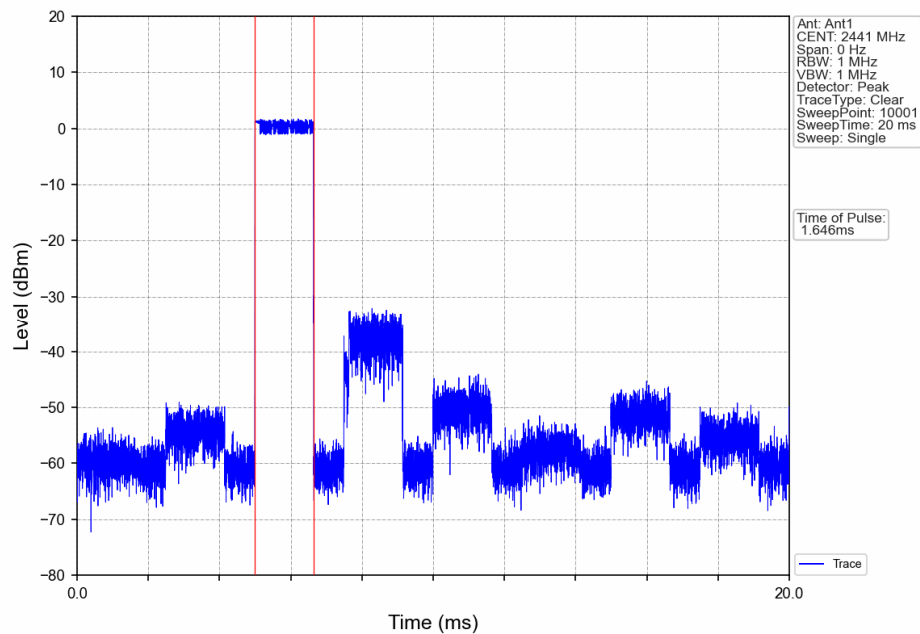
Pi/4DQPSK_2DH1_HOPP_Ant1_NTNV



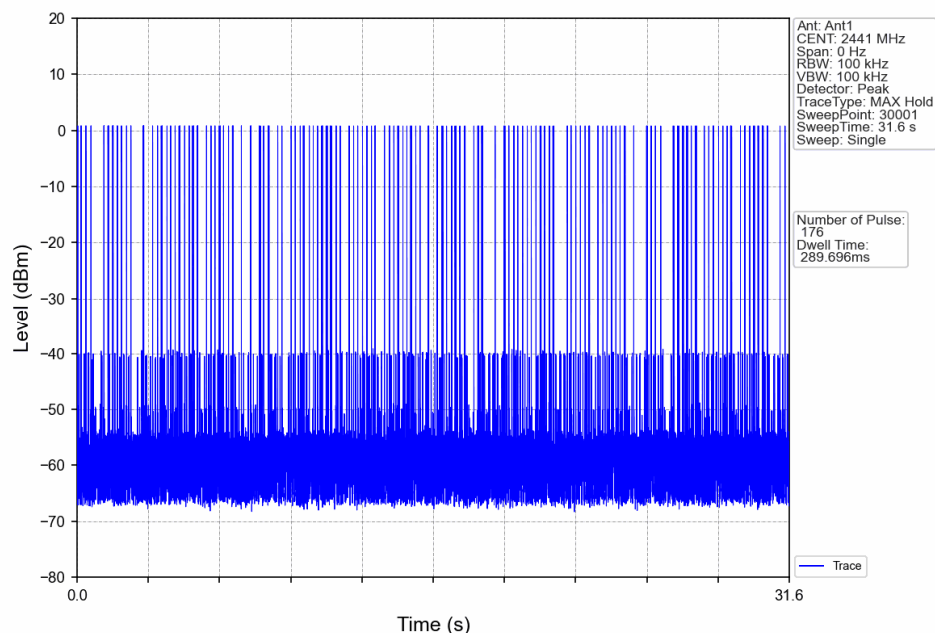
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Pi/4DQPSK_2DH3_HOPP_Ant1_NTNV



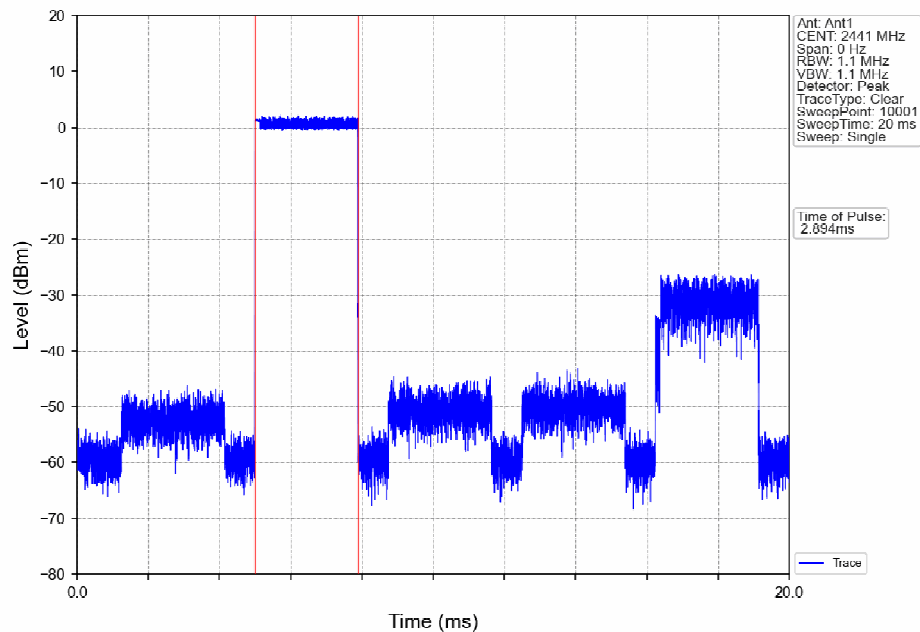
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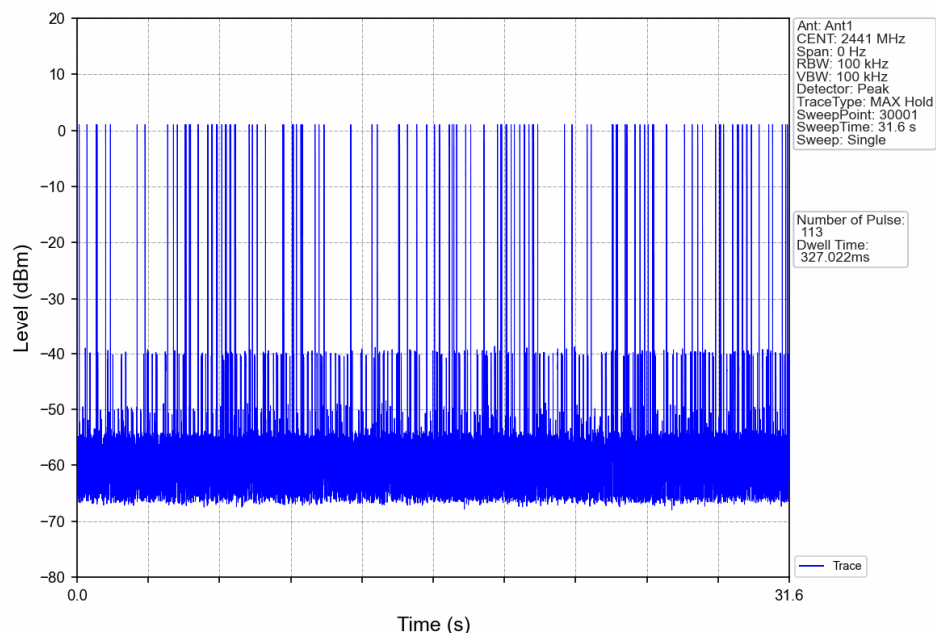
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Pi/4DQPSK_2DH5_HOPP_Ant1_NTNV



Pi/4DQPSK_2DH5_HOPP_Ant1_NTNV



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	0.99
		2441	DH5	1	1.28
		2480	DH5	1	1.56
Pi/4DQPSK	SISO	2402	2DH5	1	0.97
		2441	2DH5	1	1.31
		2480	2DH5	1	1.67

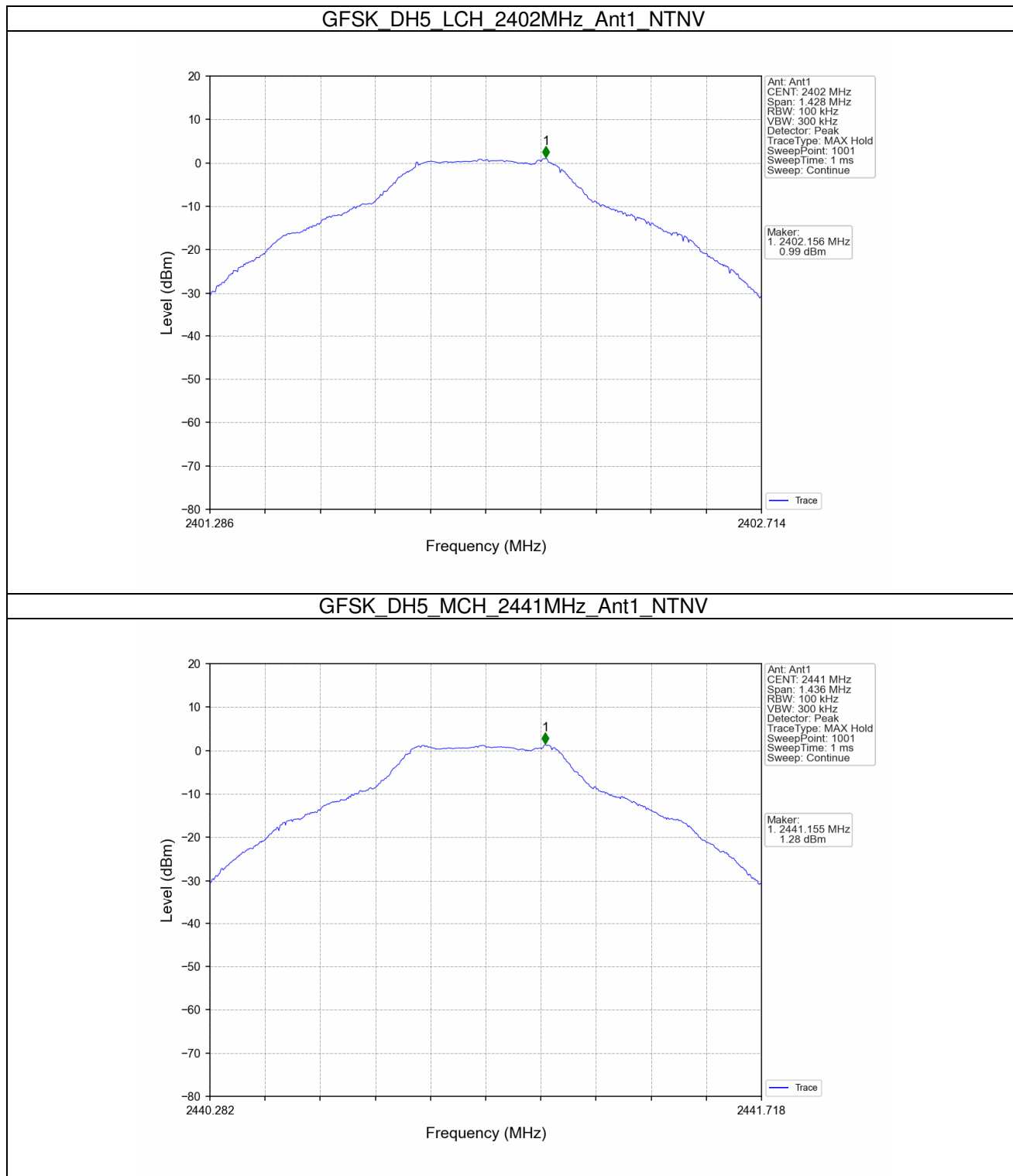
Note1: Refer to FCC Part 15.247 (d) and ANSI C63.10-2013, the channel contains the maximum PSD level was used to establish the reference level.



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6.1.2 Test Graph



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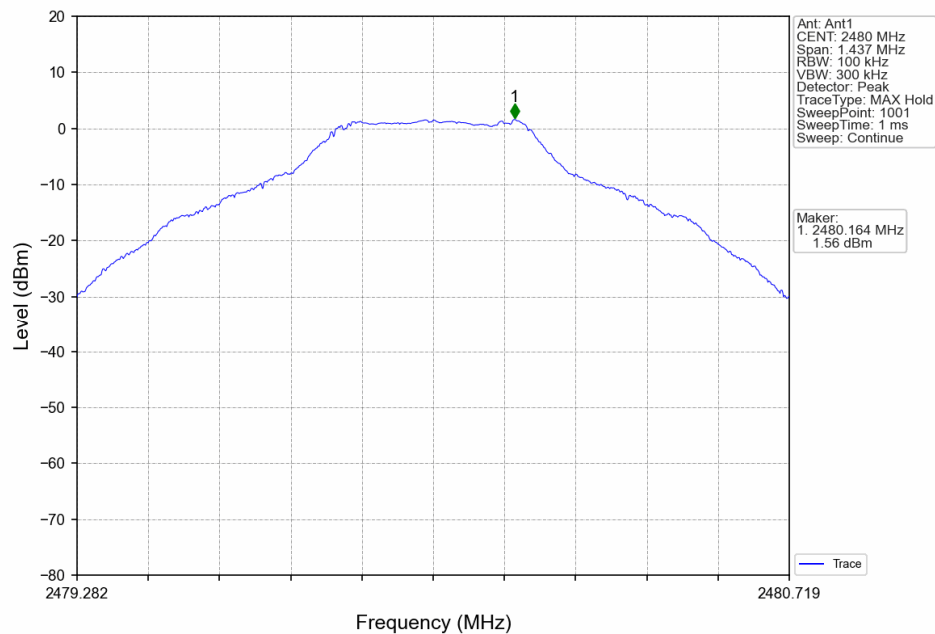
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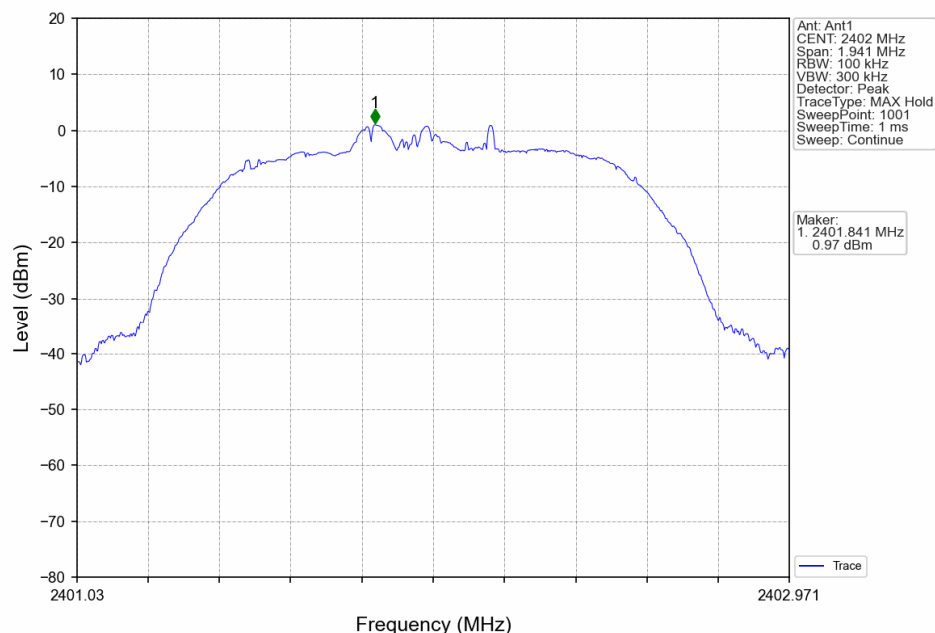
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GFSK_DH5_HCH_2480MHz_Ant1_NTNV



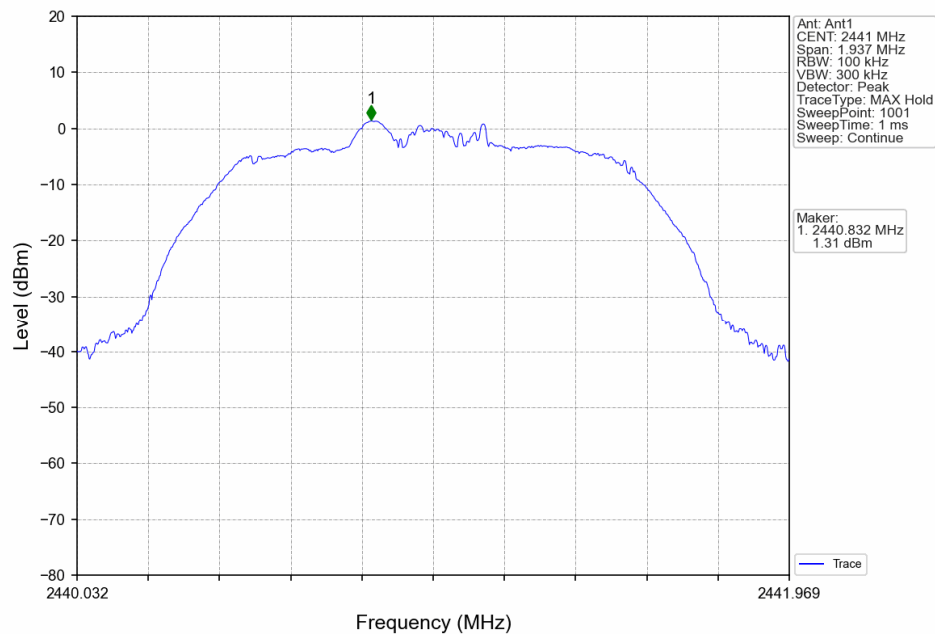
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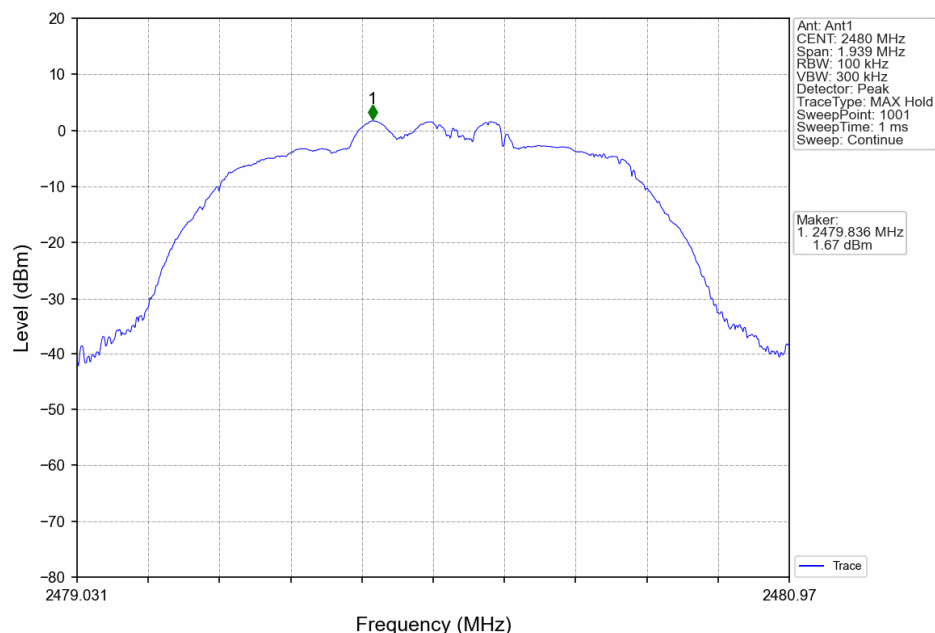
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Pi/4DQPSK_2DH5_MCH_2441MHz_Ant1_NTNV



Pi/4DQPSK_2DH5_HCH_2480MHz_Ant1_NTNV



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6.2 CSE and Band Edges

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	1.56	-18.44	Pass
		2441	DH5	1	1.56	-18.44	Pass
		2480	DH5	1	1.56	-18.44	Pass
		HOPP	DH5	1	1.56	-18.44	Pass
					1.56	-18.44	Pass
PI/4DQPSK	SISO	2402	2DH5	1	1.67	-18.33	Pass
		2441	2DH5	1	1.67	-18.33	Pass
		2480	2DH5	1	1.67	-18.33	Pass
		HOPP	2DH5	1	1.67	-18.33	Pass
					1.67	-18.33	Pass

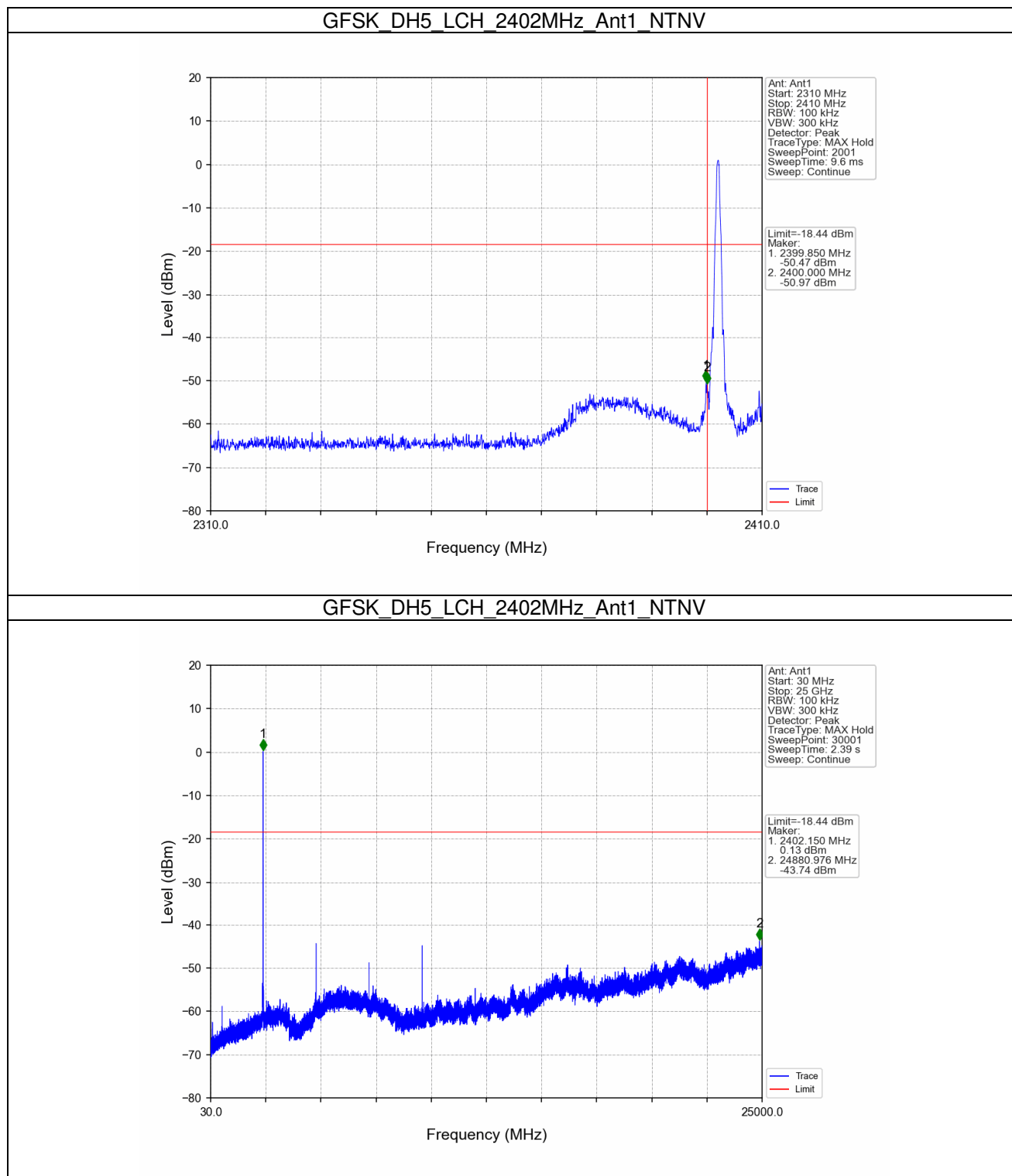
Note1: Refer to FCC Part 15.247 (d) and ANSI C63.10-2013, the channel contains the maximum PSD level was used to establish the reference level.



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6.2.2 Test Graph



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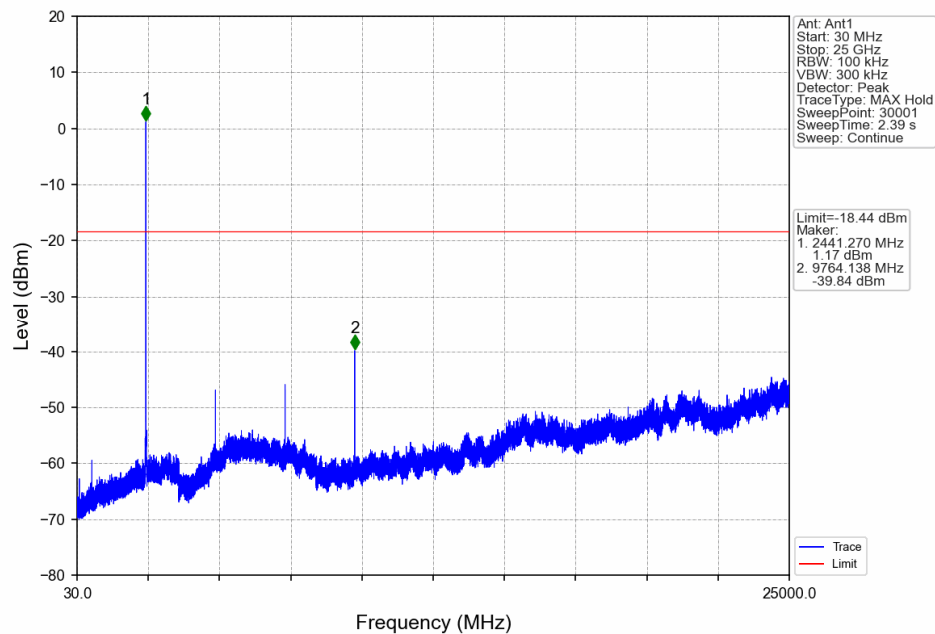
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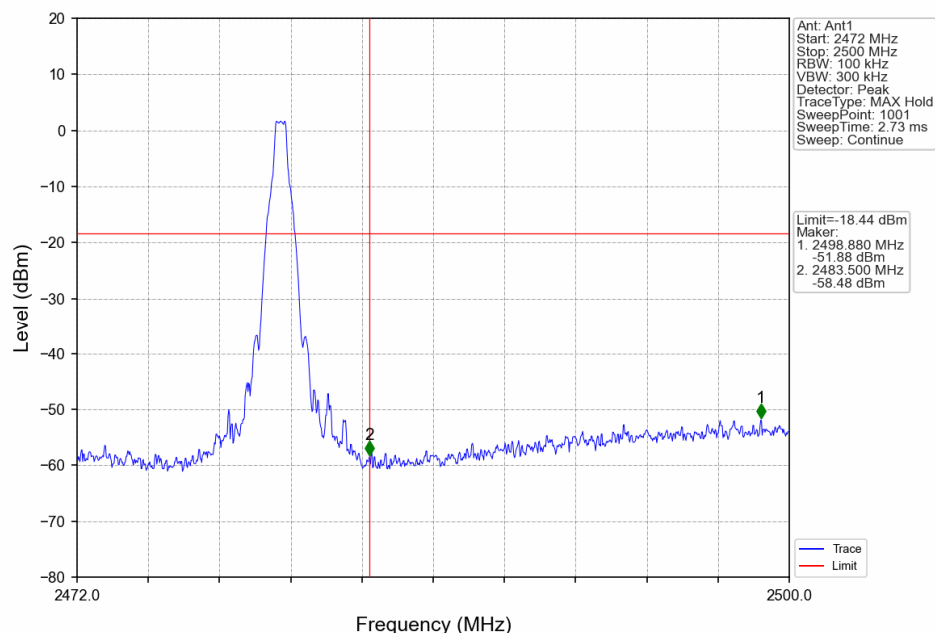
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GFSK_DH5_MCH_2441MHz_Ant1_NTNV



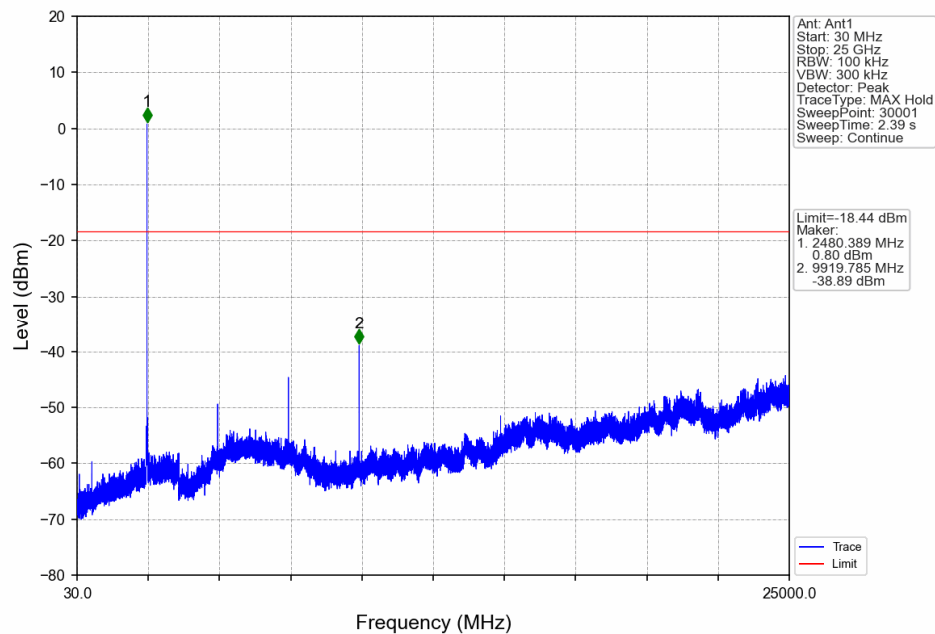
GFSK_DH5_HCH_2480MHz_Ant1_NTNV



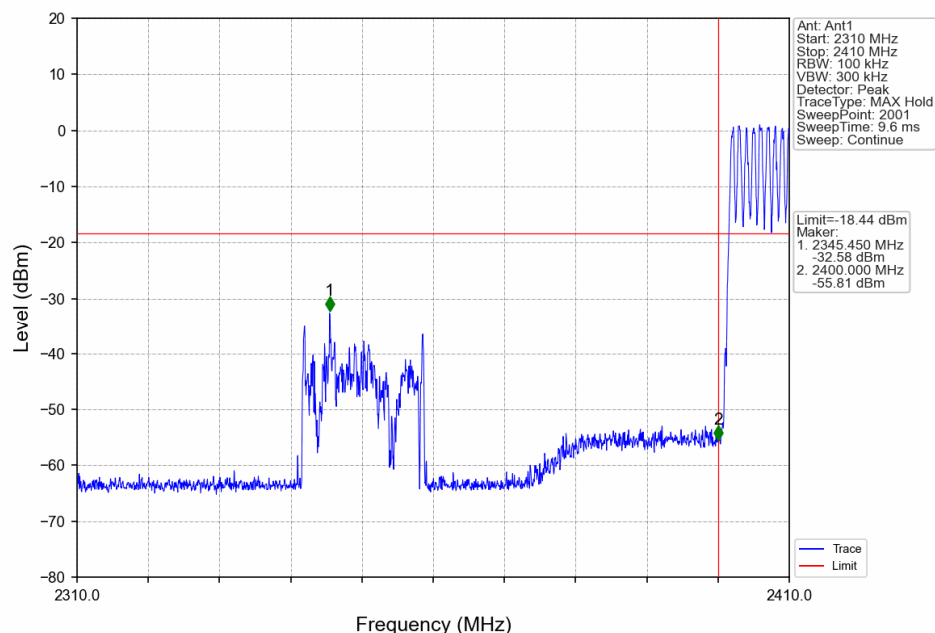
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GFSK_DH5_HCH_2480MHz_Ant1_NTNV



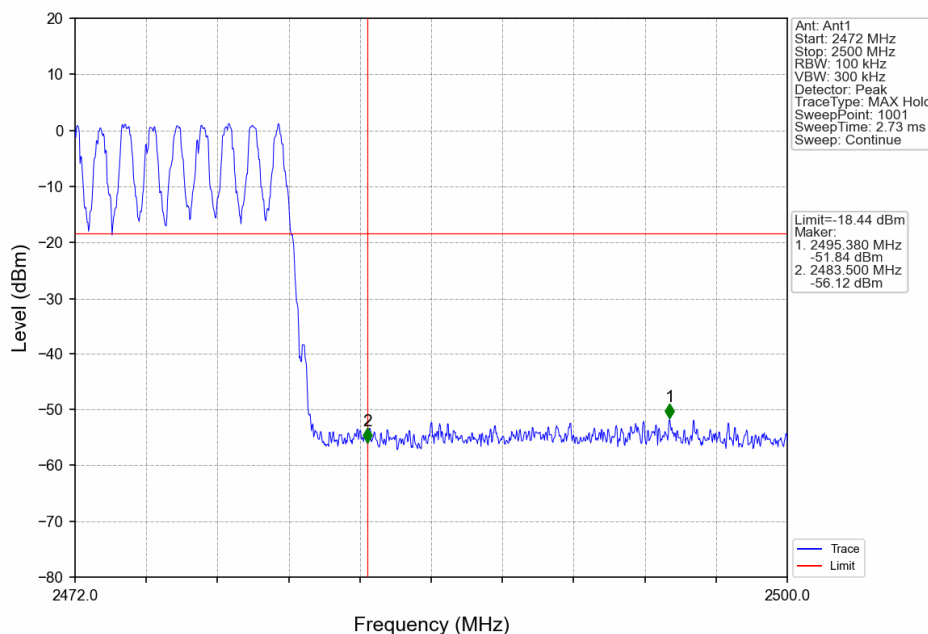
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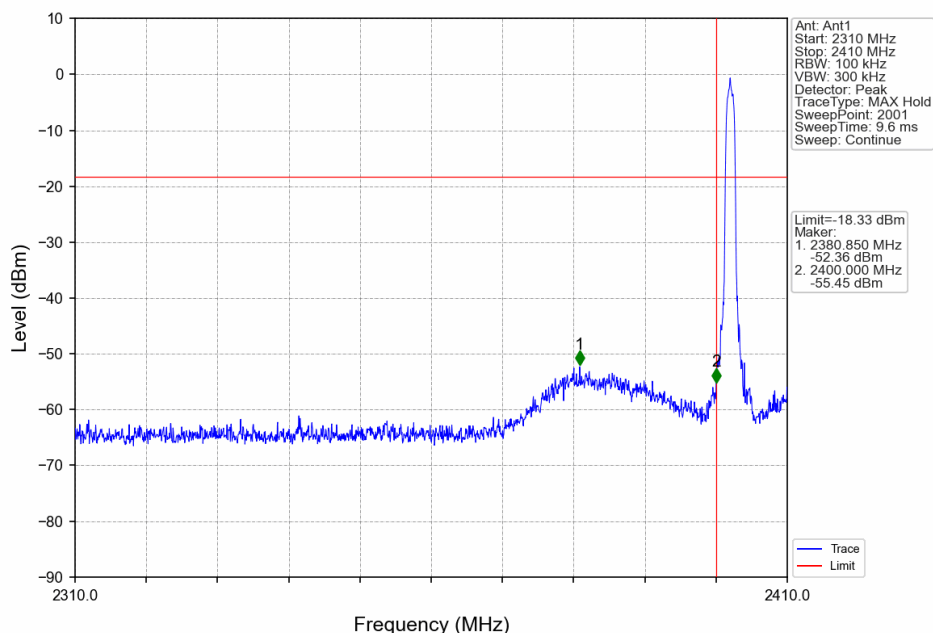
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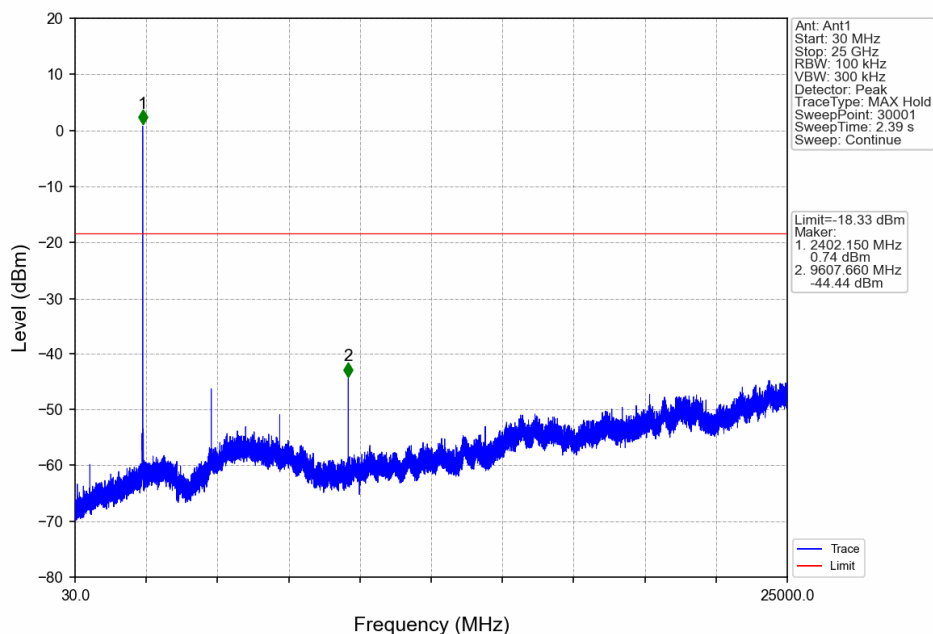
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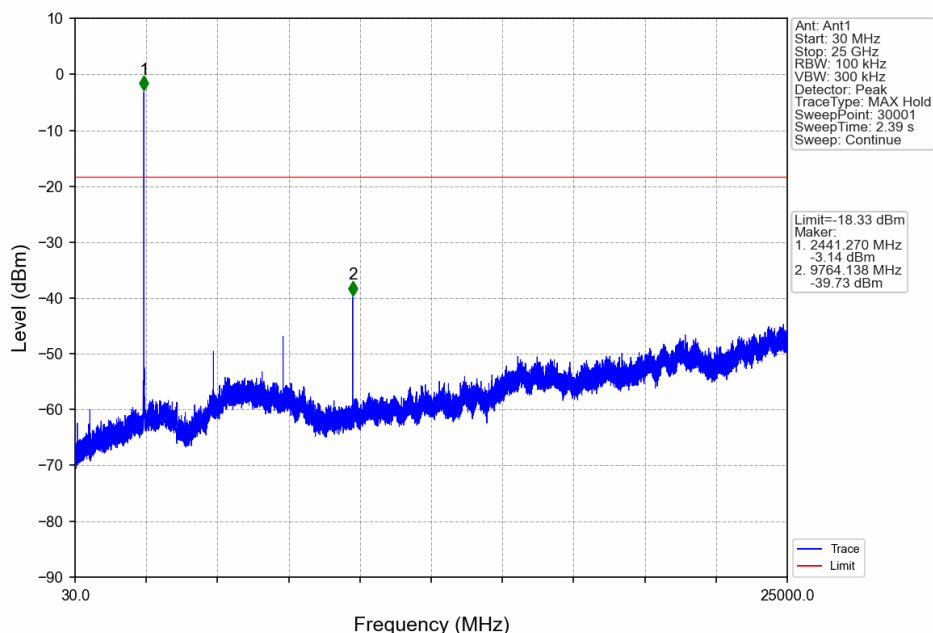
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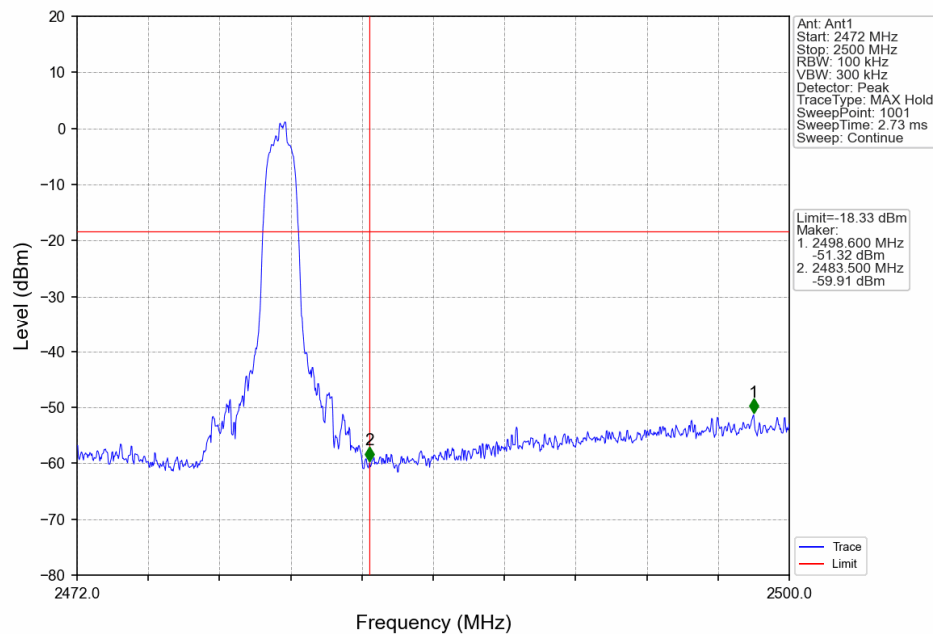
Pi/4DQPSK_2DH5_MCH_2441MHz_Ant1_NTNV



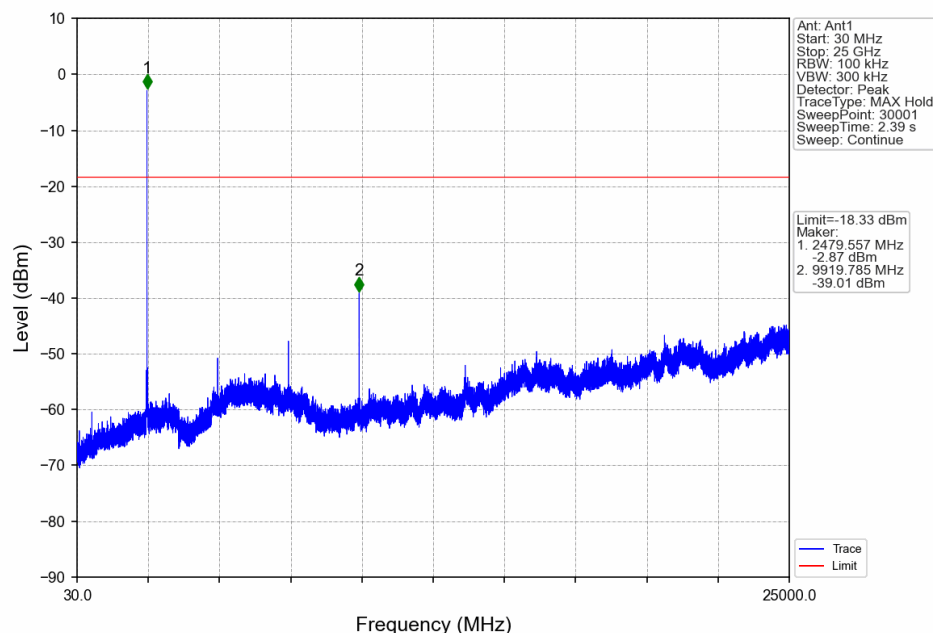
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Pi/4DQPSK_2DH5_HCH_2480MHz_Ant1_NTNV



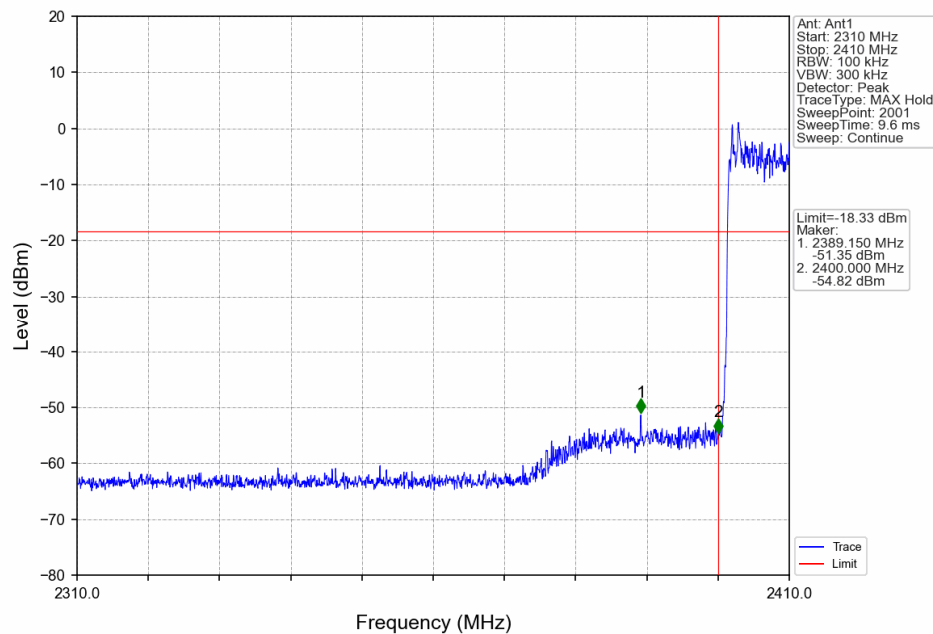
Pi/4DQPSK_2DH5_HCH_2480MHz_Ant1_NTNV



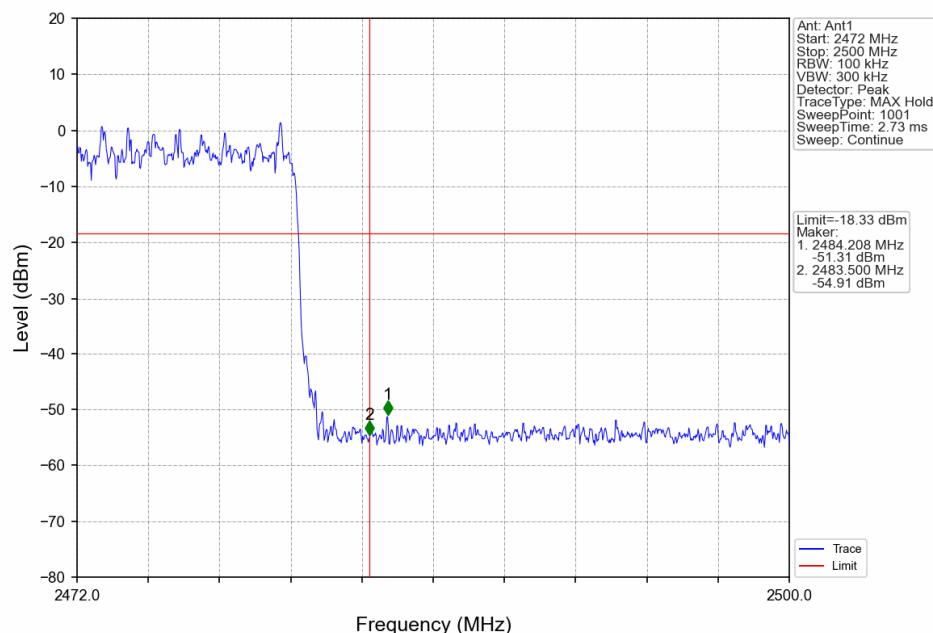
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Pi/4DQPSK_2DH5_HOPP_Ant1_NTNV



Pi/4DQPSK_2DH5_HOPP_Ant1_NTNV



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For Right earbud

1. Bandwidth

1.1 20dB BW

1.1.1 Test Result

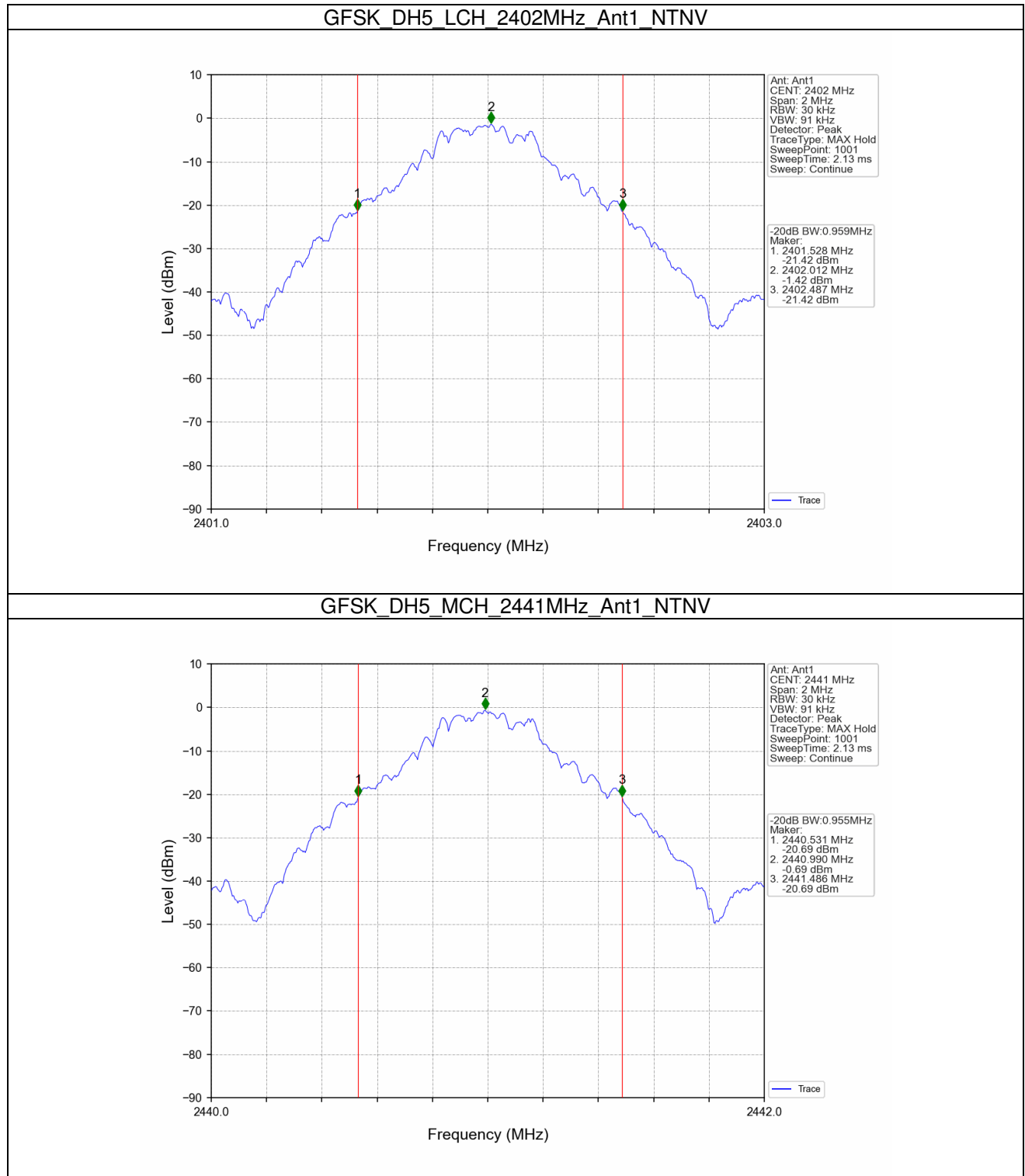
Mode	TX Type	Frequency (MHz)	Packet Type	ANT	20dB Bandwidth (MHz)		Verdict
					Result	Limit	
GFSK	SISO	2402	DH5	1	0.959	/	Pass
		2441	DH5	1	0.955	/	Pass
		2480	DH5	1	0.959	/	Pass
Pi/4DQPSK	SISO	2402	2DH5	1	0.975	/	Pass
		2441	2DH5	1	1.294	/	Pass
		2480	2DH5	1	1.290	/	Pass



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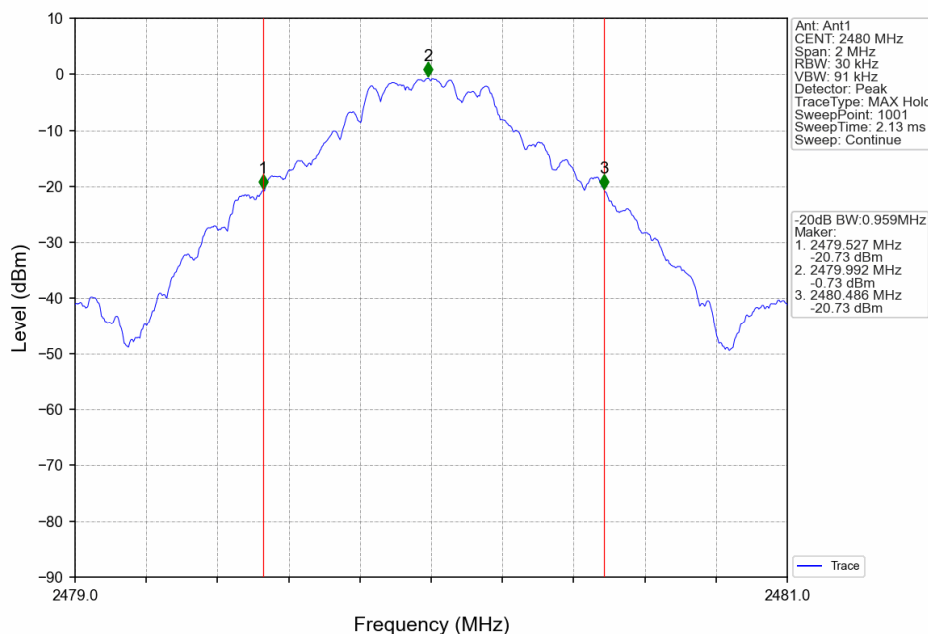
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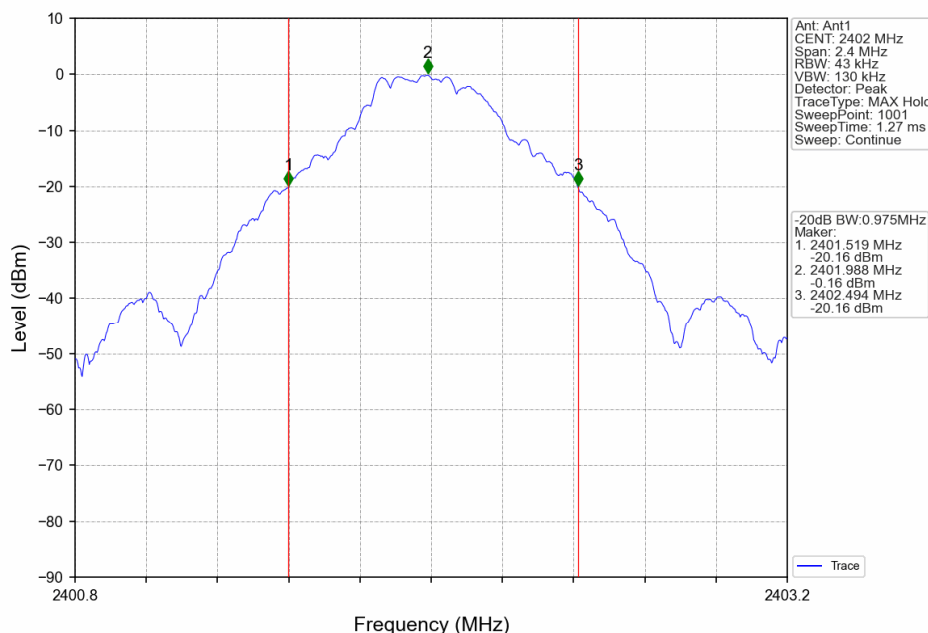
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GFSK_DH5_HCH_2480MHz_Ant1_NTNV



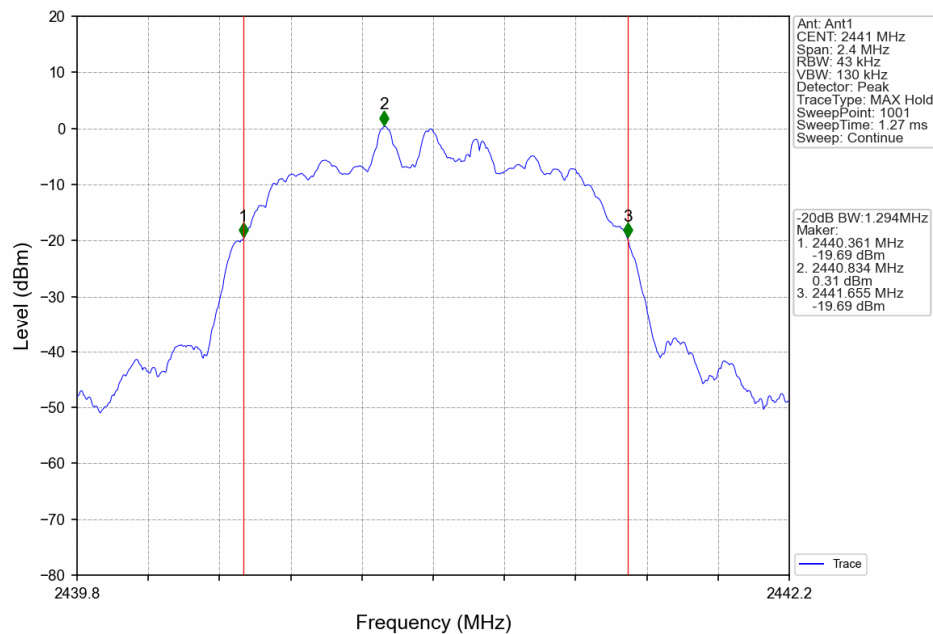
Pi/4DQPSK_2DH5_LCH_2402MHz_Ant1_NTNV



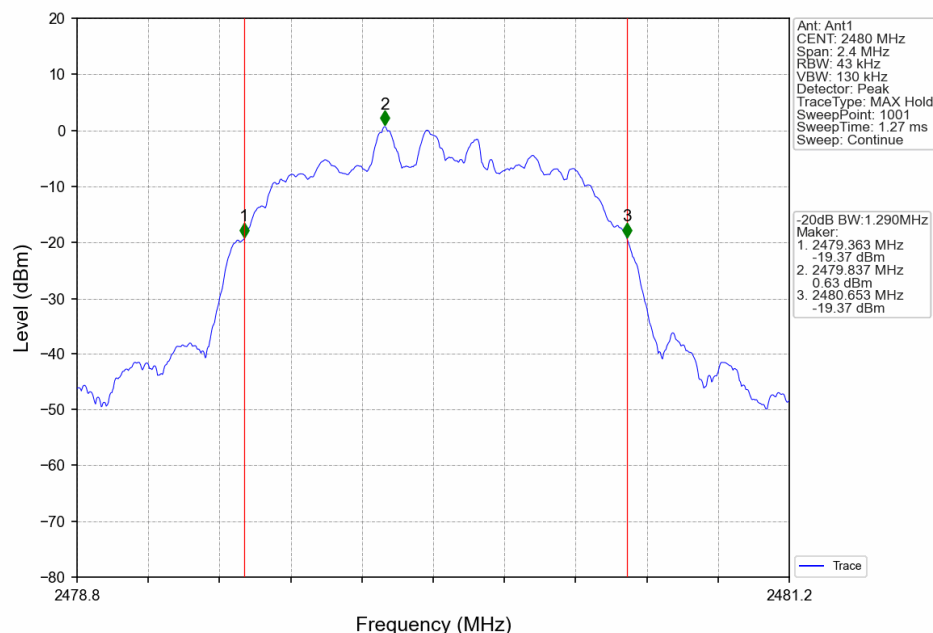
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Pi/4DQPSK_2DH5_HCH_2480MHz_Ant1_NTNV



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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	0.91	<=30	Pass
		2441	DH5	1.44	<=30	Pass
		2480	DH5	1.72	<=30	Pass
Pi/4DQPSK	SISO	2402	2DH5	1.20	<=20.97	Pass
		2441	2DH5	2.38	<=20.97	Pass
		2480	2DH5	2.72	<=20.97	Pass

Note1: Antenna Gain: Ant1: 2.67dBi;



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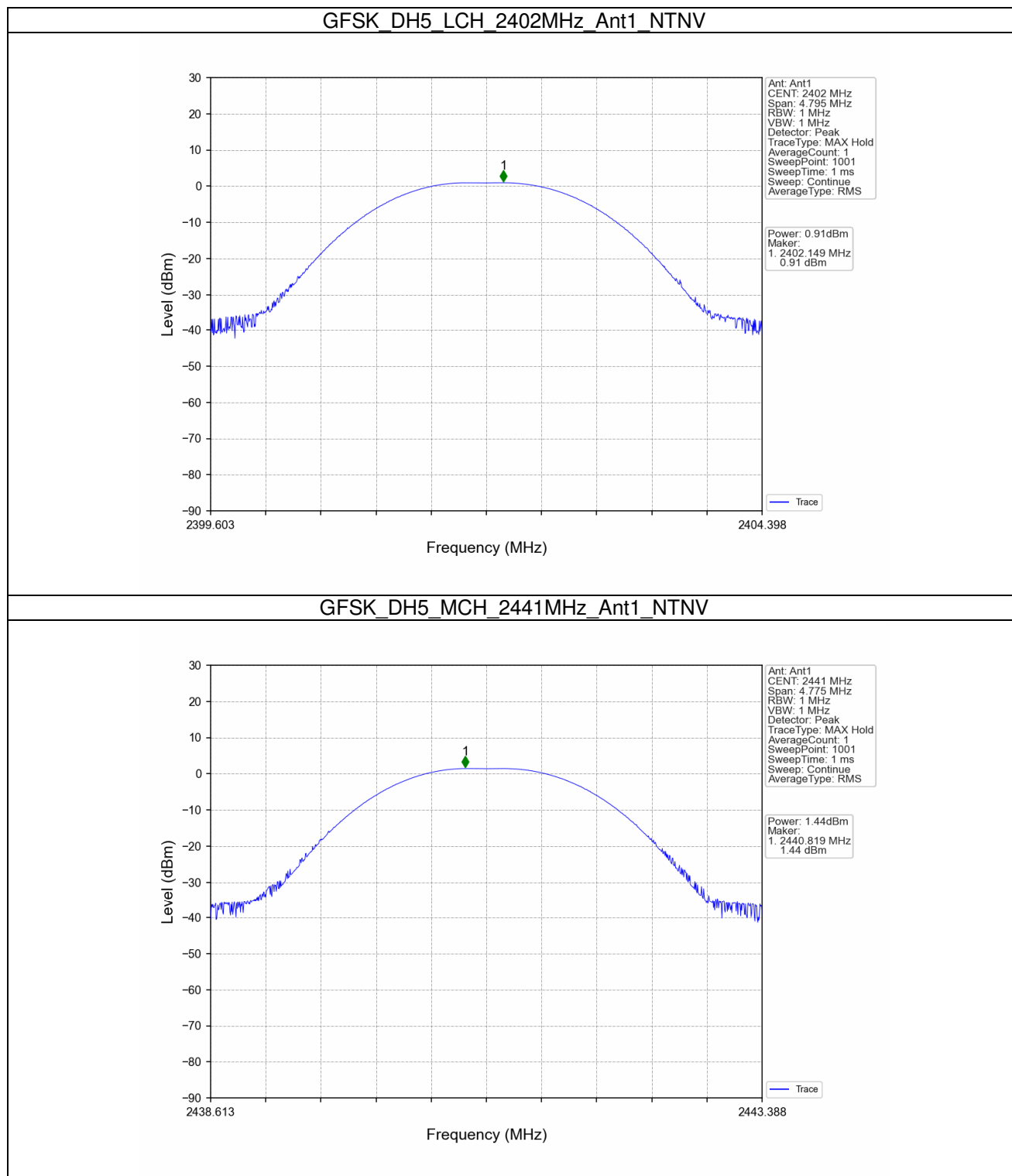
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2.1.2 Test Graph



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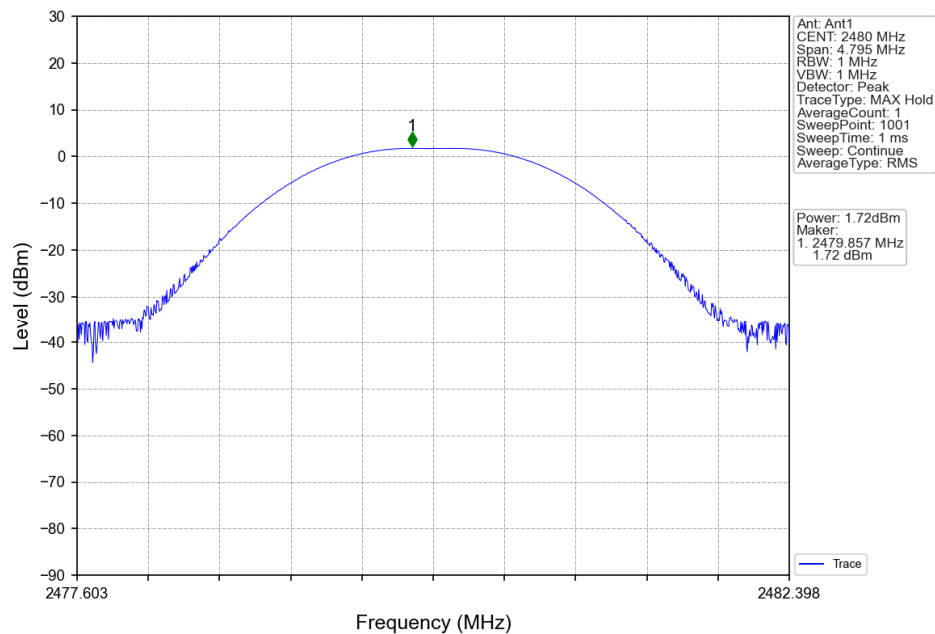
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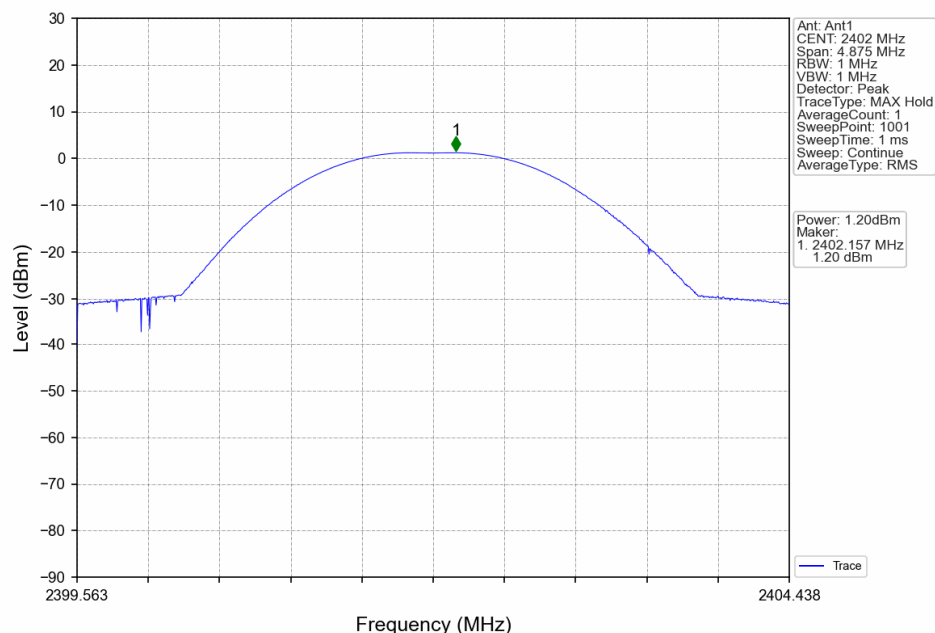
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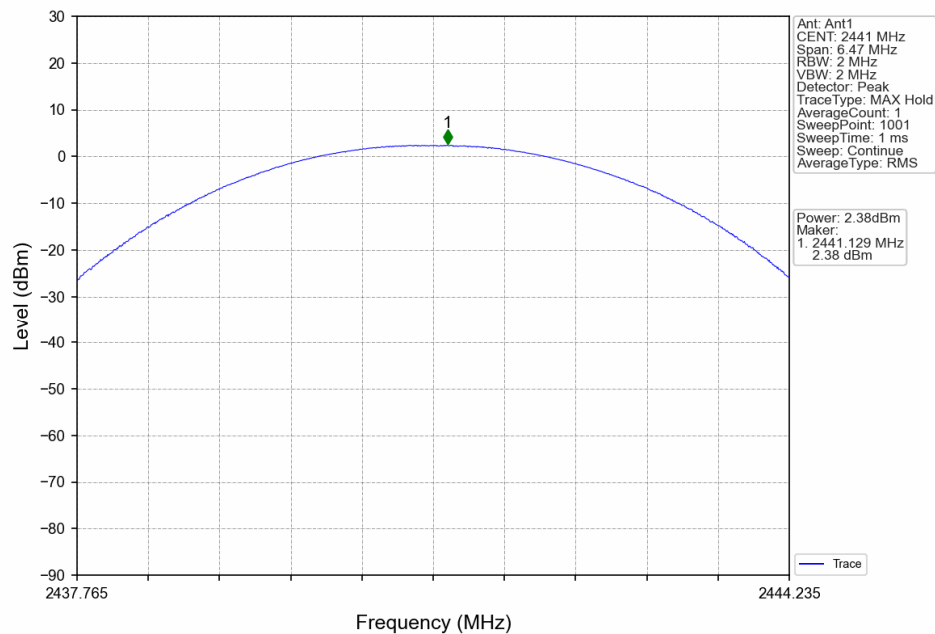
Pi/4DQPSK_2DH5_LCH_2402MHz_Ant1_NTNV



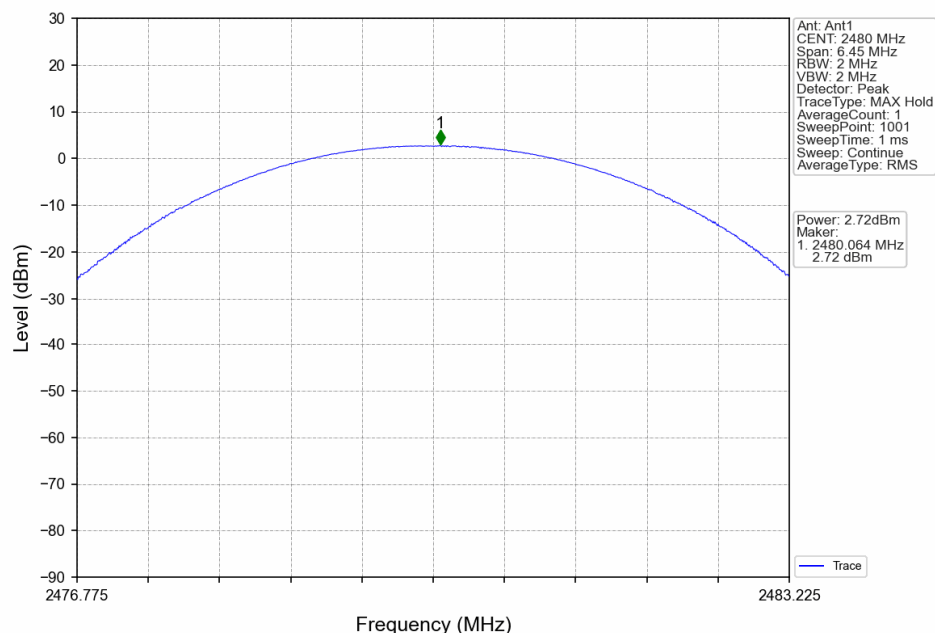
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3. Carrier Frequency Separation

3.1 Ant1

3.1.1 Test Result

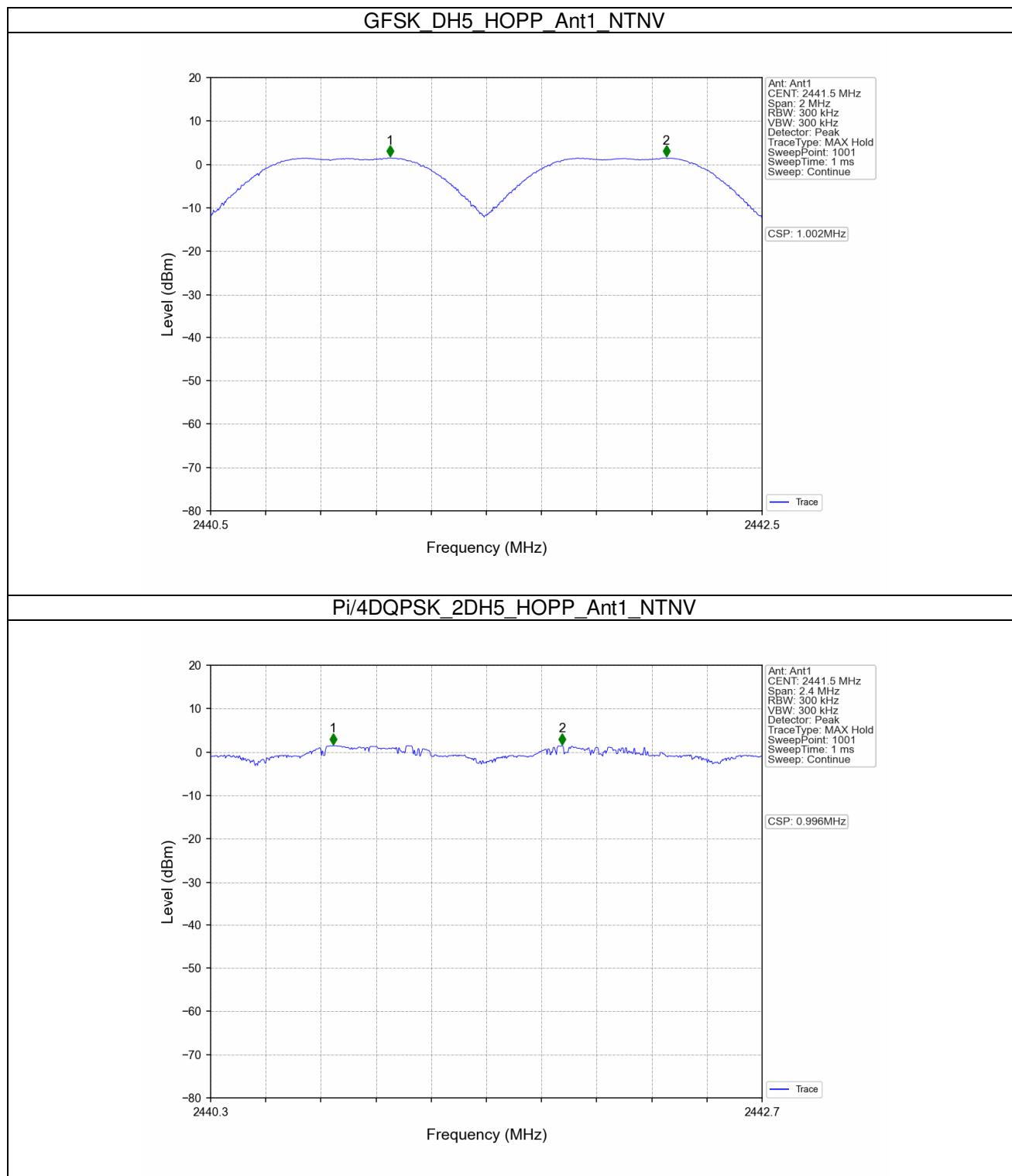
Ant1							
Mode	TX Type	Frequency (MHz)	Packet Type	Channel Separation (MHz)	20dB Bandwidth (MHz)	Limit (MHz)	Verdict
GFSK	SISO	HOPP	DH5	1.002	0.959	≥ 0.959	Pass
Pi/4DQPSK	SISO	HOPP	2DH5	0.996	1.294	≥ 0.863	Pass



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3.1.2 Test Graph



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4. Number of Hopping Frequencies

4.1 HoppNum

4.1.1 Test Result

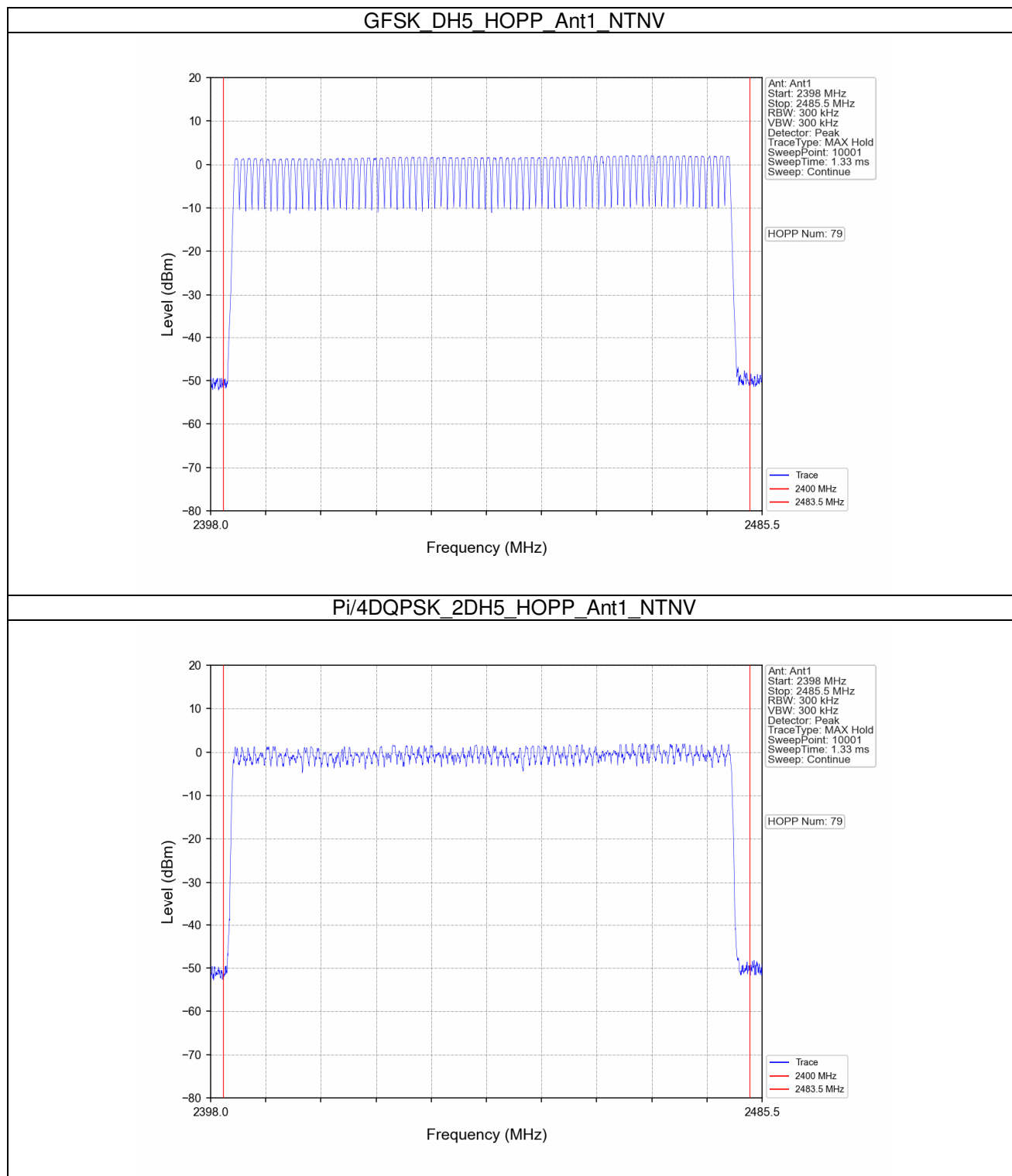
Mode	TX Type	Frequency (MHz)	Packet Type	Num of Hopping Frequencies		Verdict
				ANT1	Limit	
GFSK	SISO	HOPP	DH5	79	>=15	Pass
Pi/4DQPSK	SISO	HOPP	2DH5	79	>=15	Pass



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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	318	123.384	<=400	Pass
			DH3	1.640	31.600	159	260.760	<=400	Pass
			DH5	2.896	31.600	121	350.416	<=400	Pass
Pi/4DQPSK	SISO	HOPP	2DH1	0.402	31.600	321	129.042	<=400	Pass
			2DH3	1.652	31.600	146	241.192	<=400	Pass
			2DH5	2.902	31.600	111	322.122	<=400	Pass



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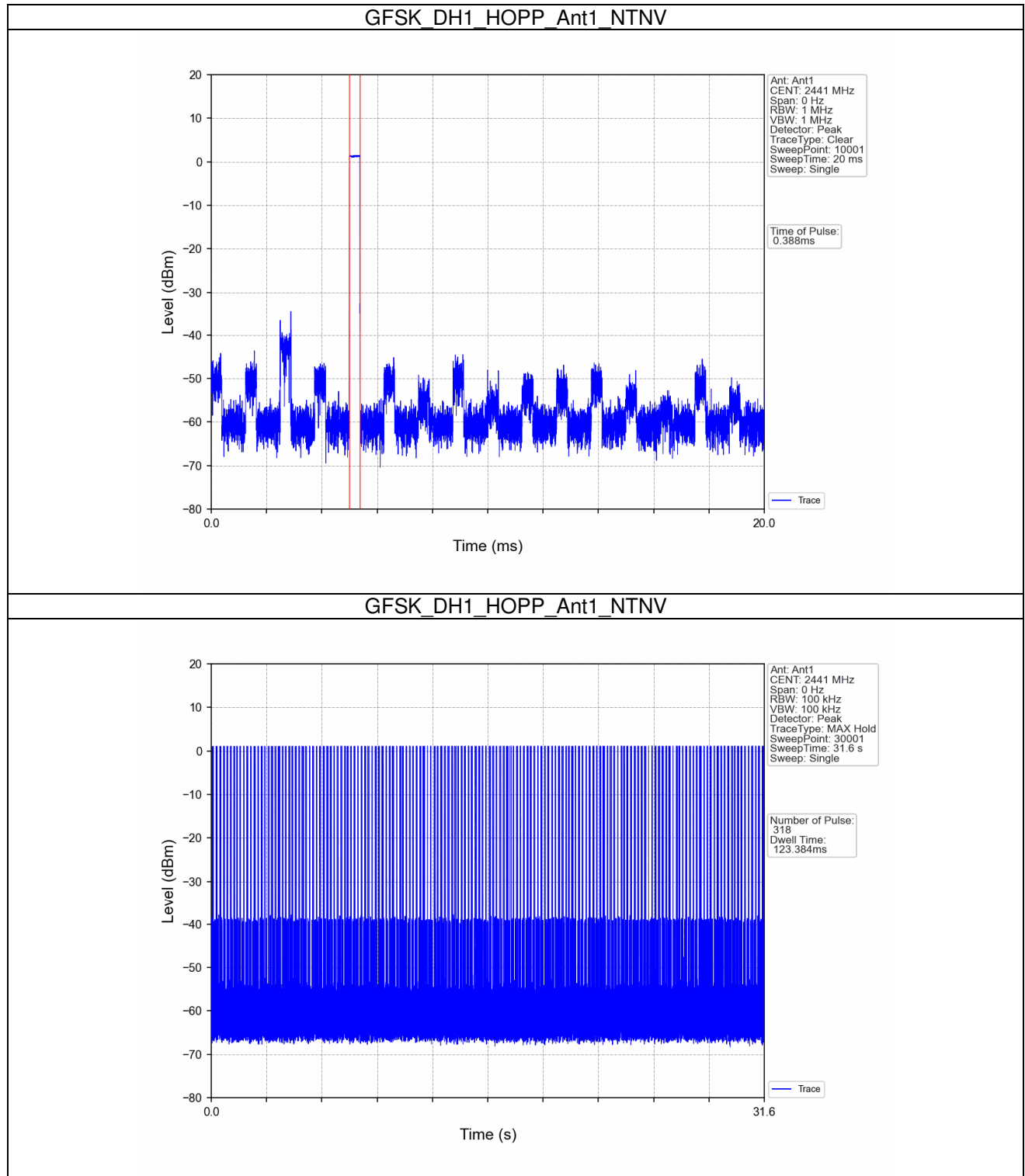
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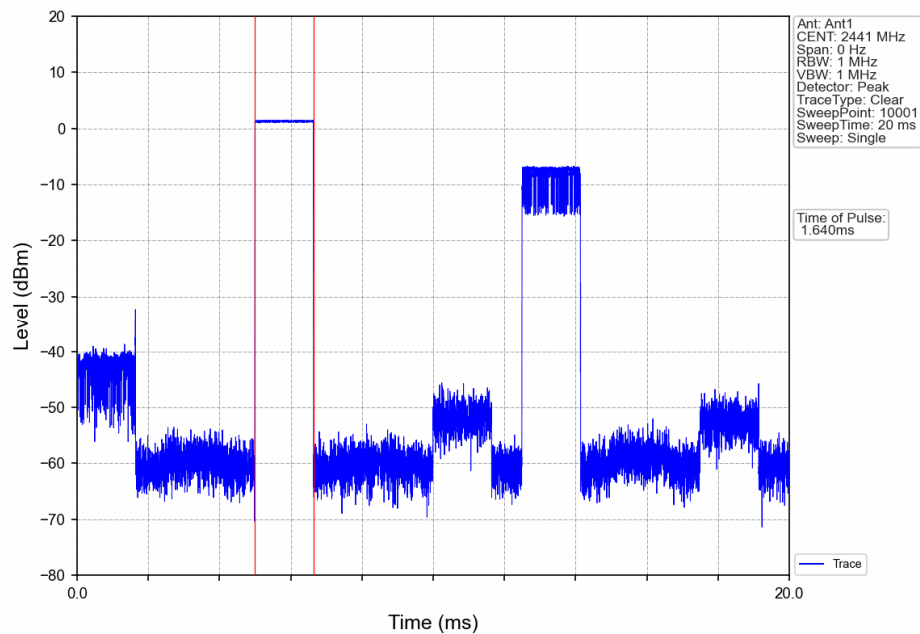
5.1.2 Test Graph



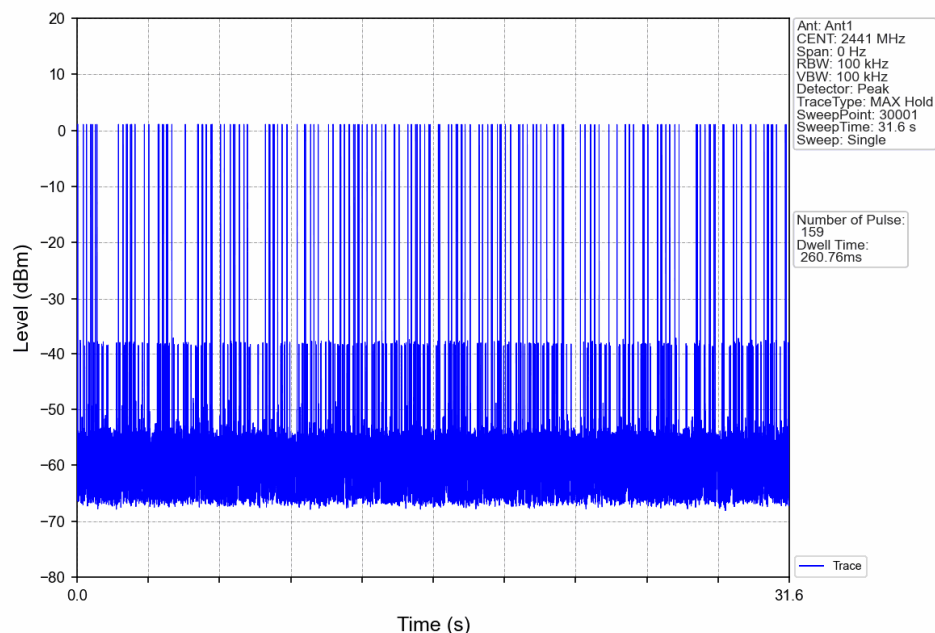
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GFSK_DH3_HOPP_Ant1_NTNV



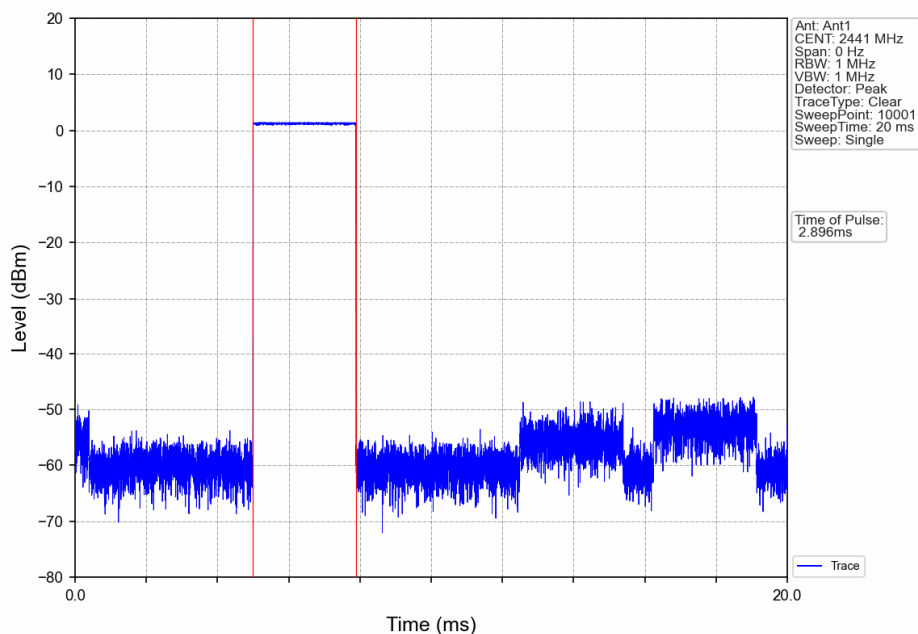
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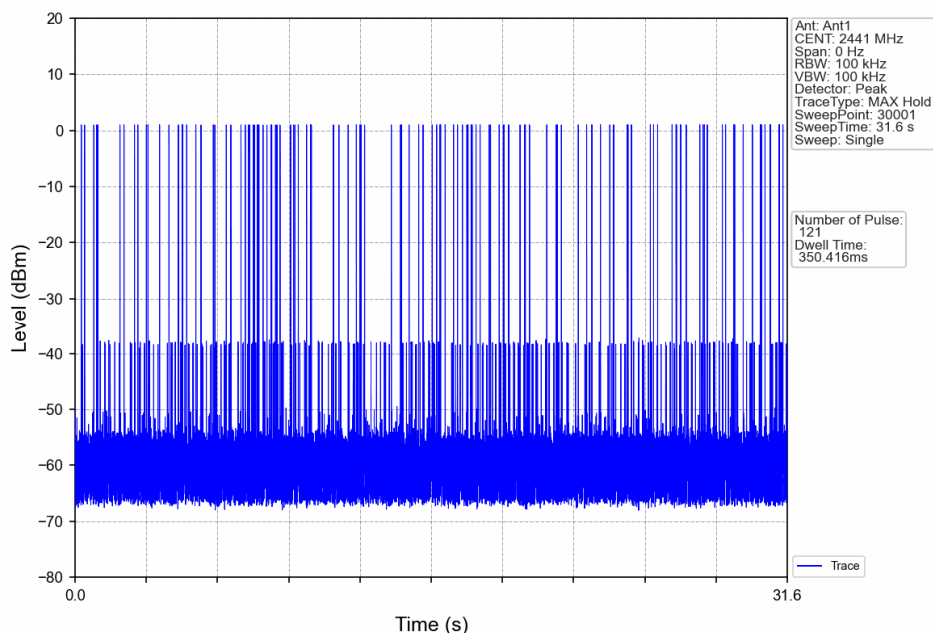
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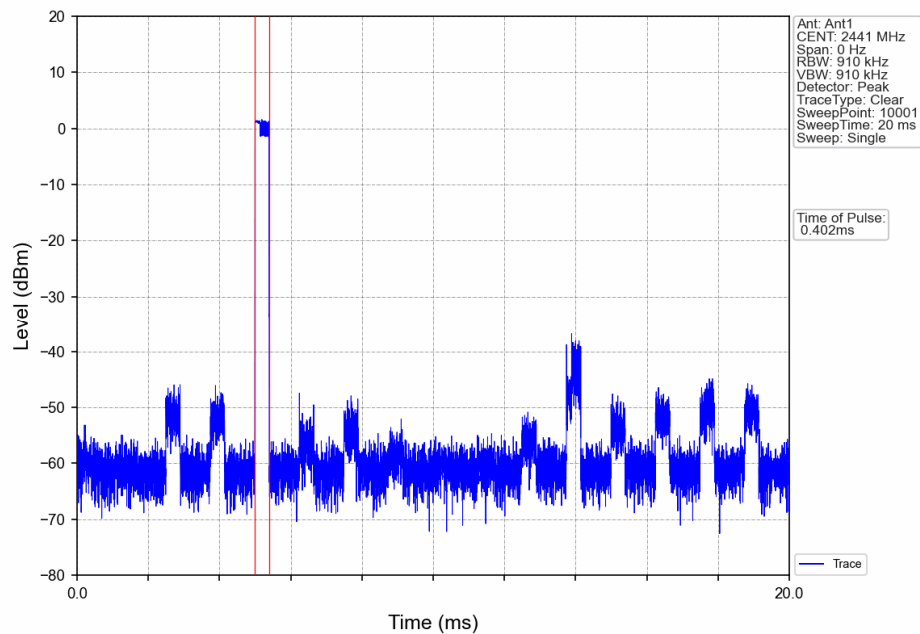
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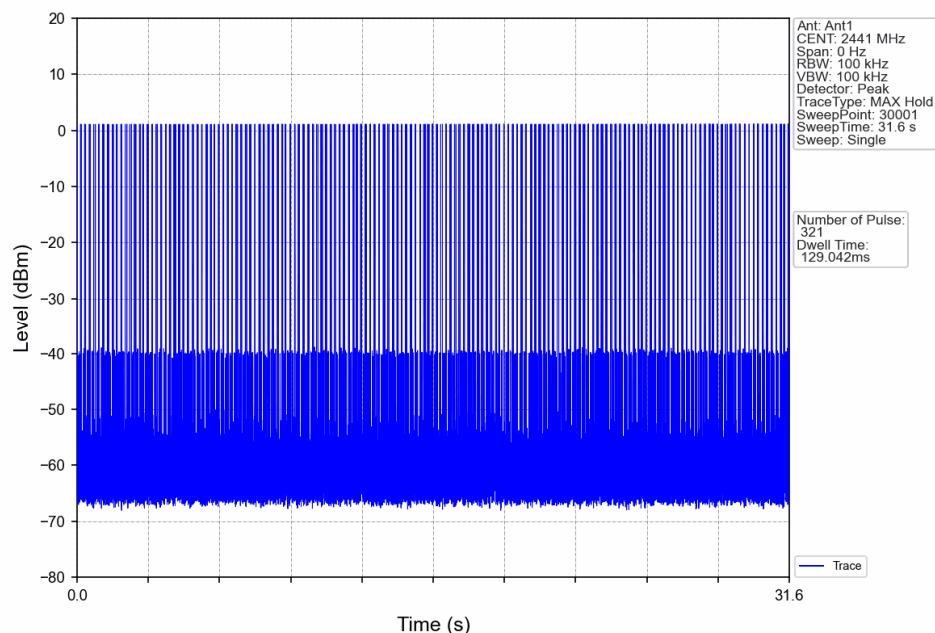
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Pi/4DQPSK_2DH1_HOPP_Ant1_NTNV



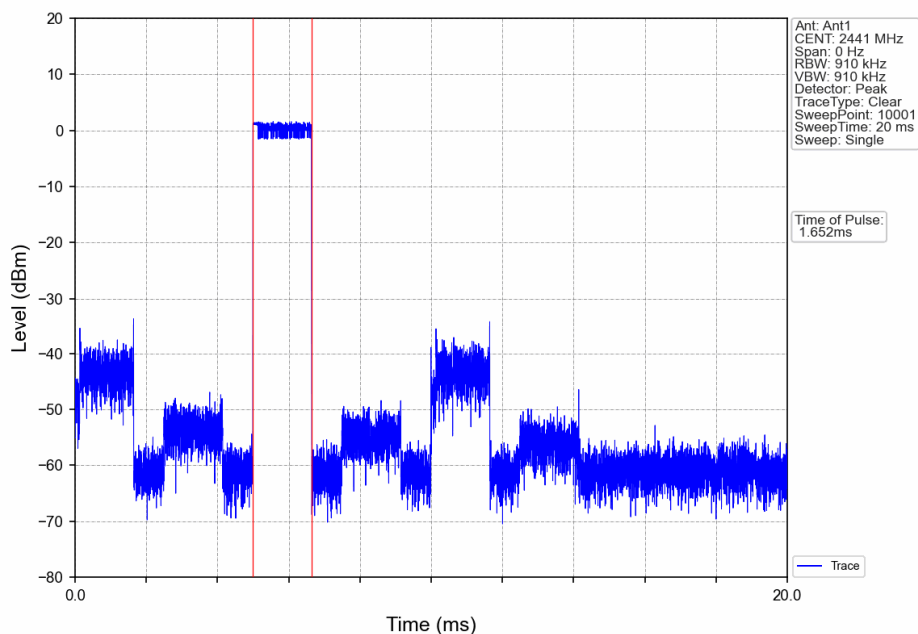
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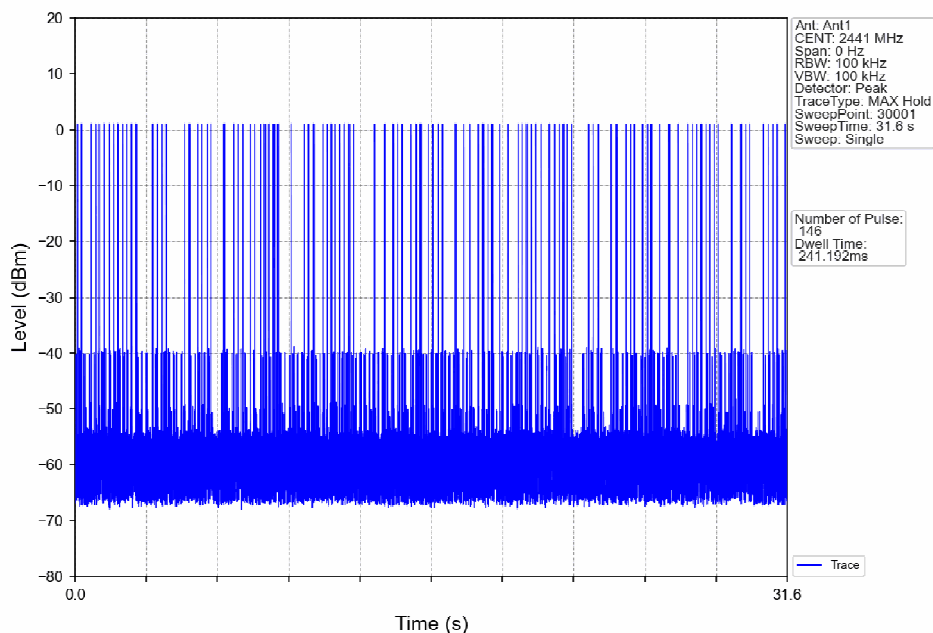
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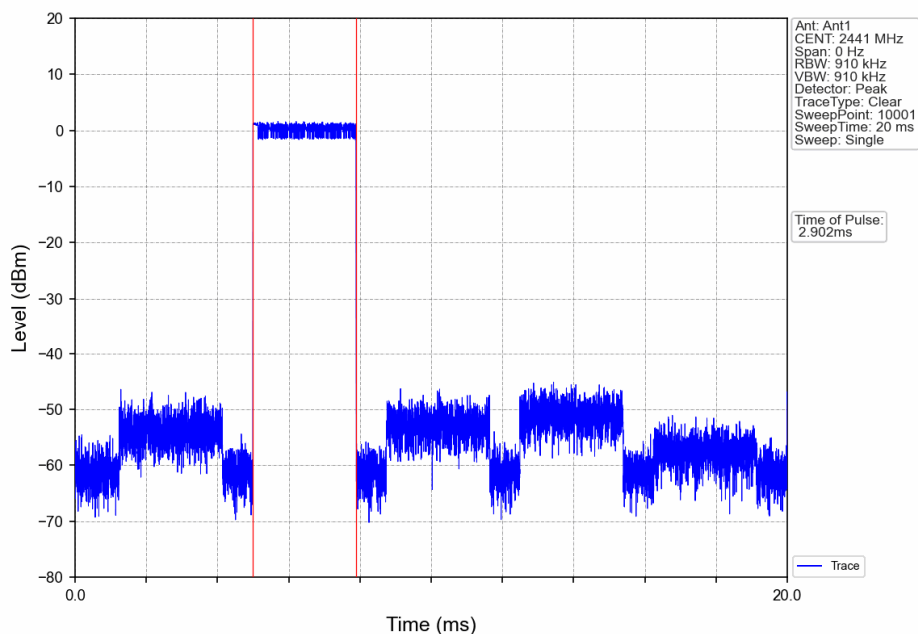
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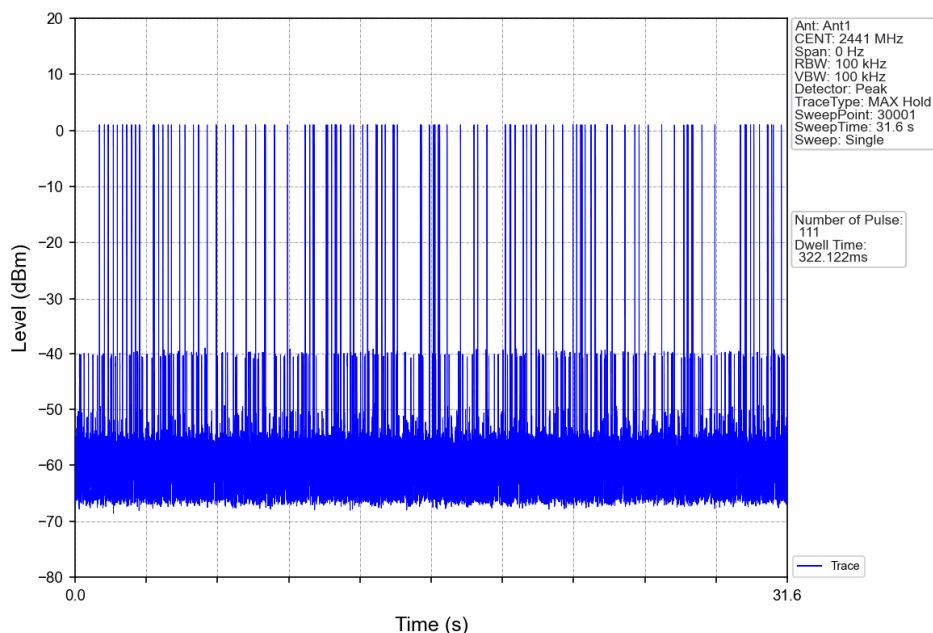
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6. Unwanted Emissions In Non-restricted Frequency Bands

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	0.35
		2441	DH5	1	1.13
		2480	DH5	1	1.54
Pi/4DQPSK	SISO	2402	2DH5	1	1.05
		2441	2DH5	1	1.32
		2480	2DH5	1	1.64

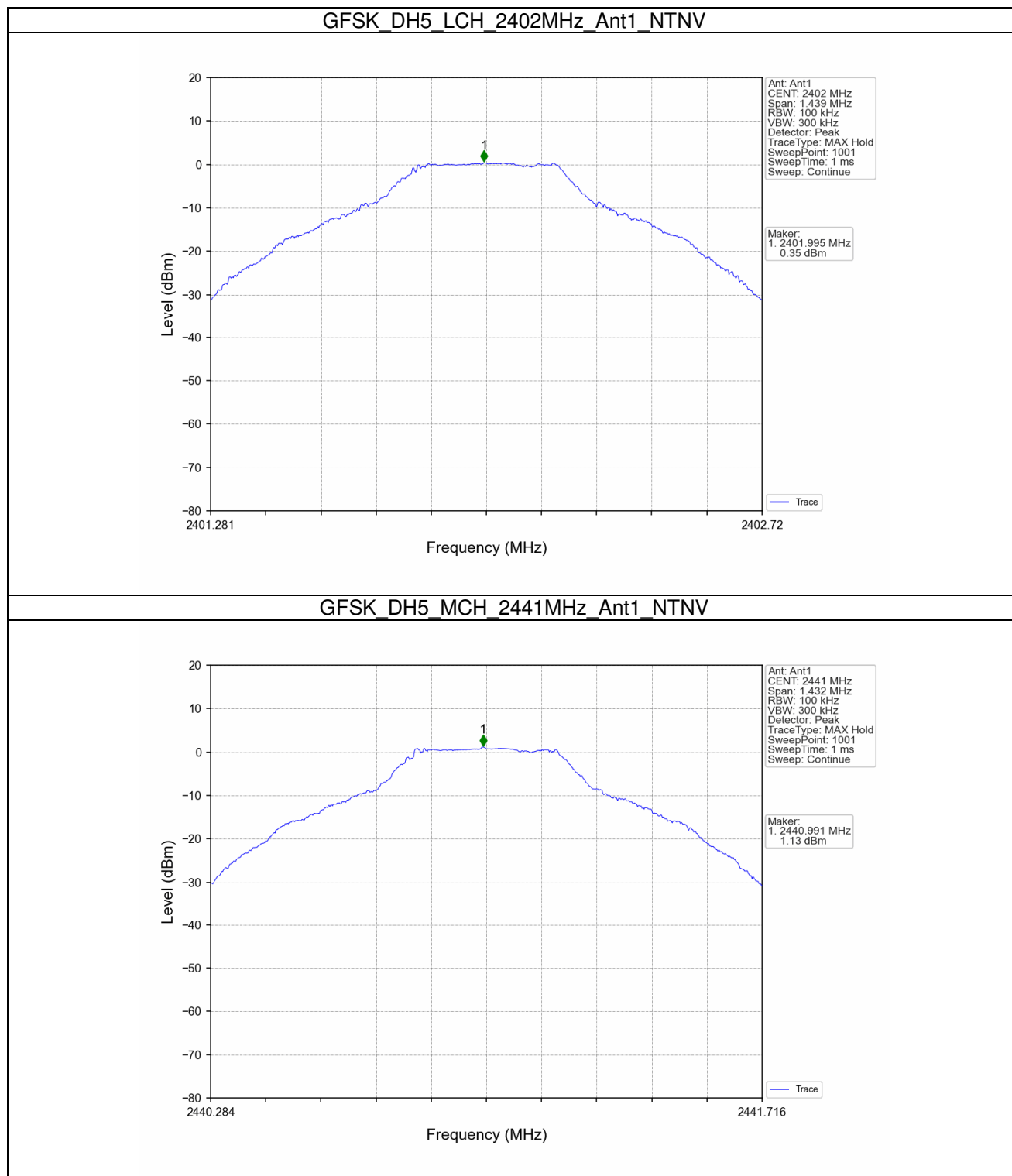
Note1: Refer to FCC Part 15.247 (d) and ANSI C63.10-2013, the channel contains the maximum PSD level was used to establish the reference level.



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6.1.2 Test Graph



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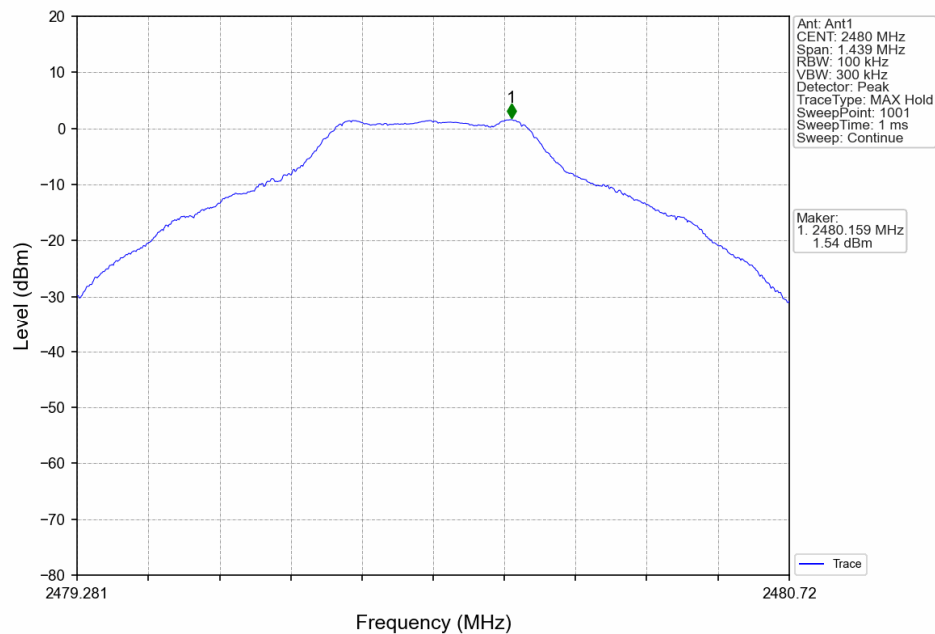
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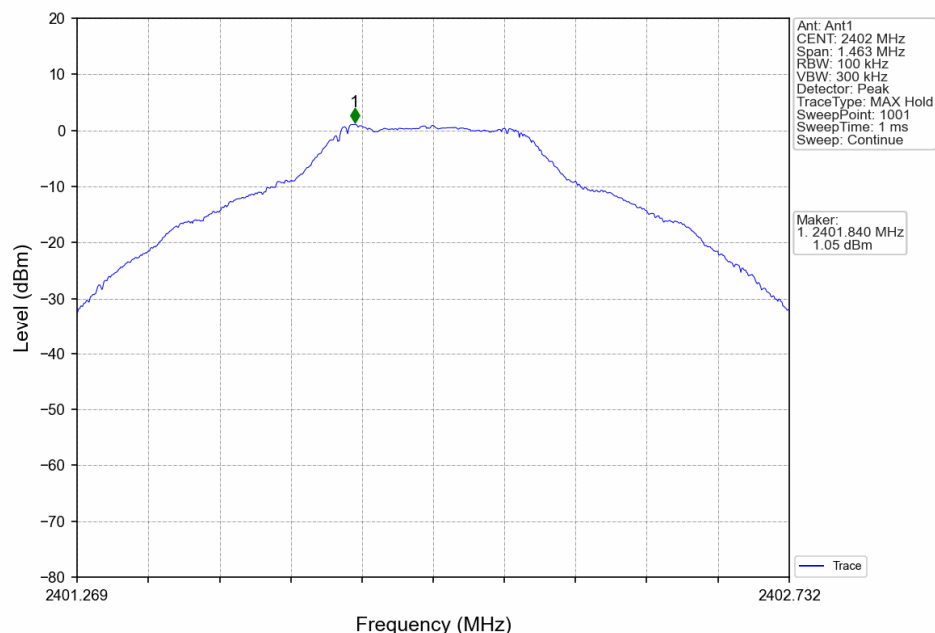
No.198, Kezhu Road, Science City, Economic & Technological Development Area, Guangzhou, Guangdong, China 510663
中国·广东·广州高新技术产业开发区科学城科珠路198号 邮编: 510663

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GFSK_DH5_HCH_2480MHz_Ant1_NTNV



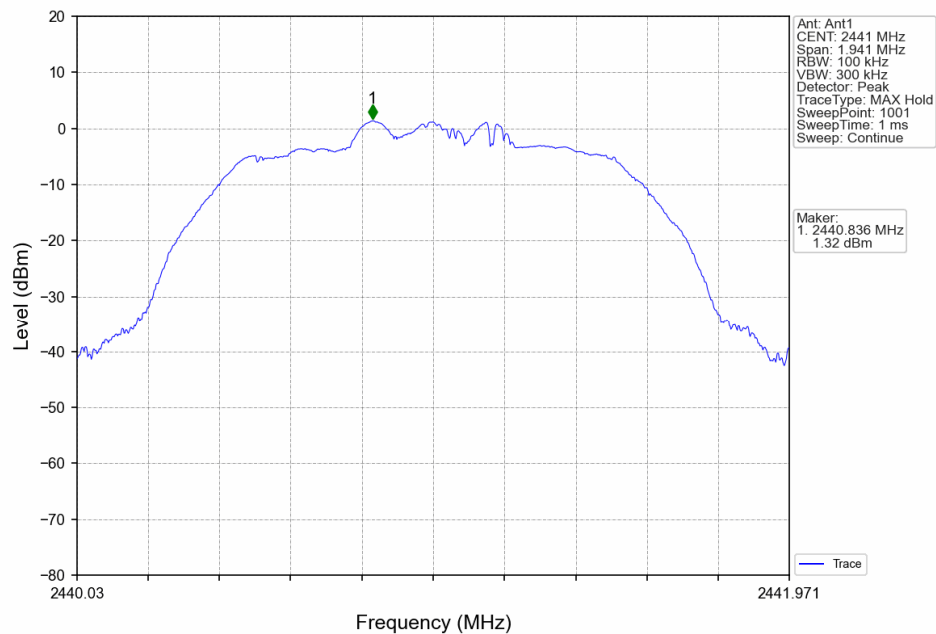
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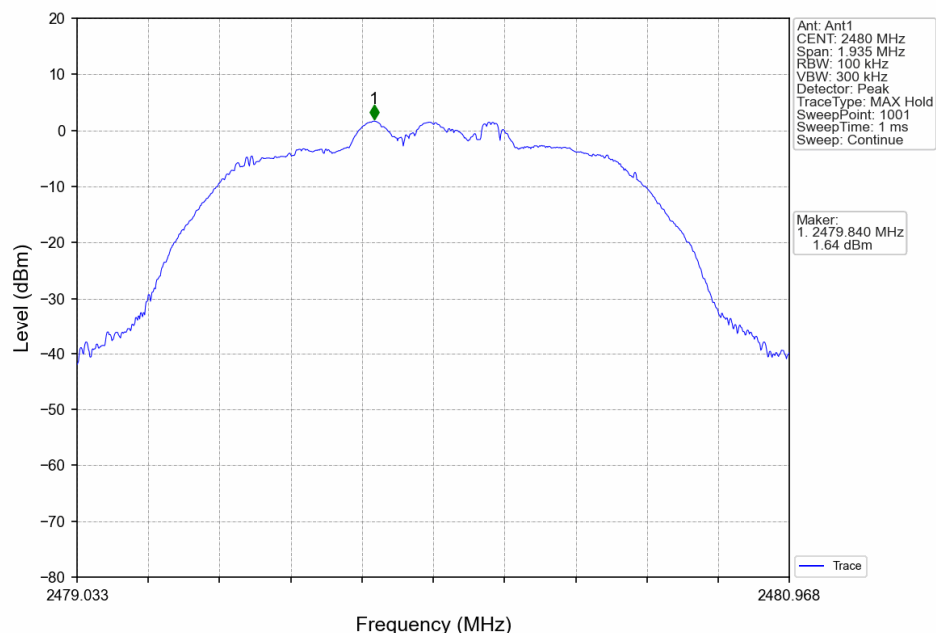
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6.2 CSE and Band Edges

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	1.54	-18.46	Pass
		2441	DH5	1	1.54	-18.46	Pass
		2480	DH5	1	1.54	-18.46	Pass
		HOPP	DH5	1	1.54	-18.46	Pass
					1.54	-18.46	Pass
PI/4DQPSK	SISO	2402	2DH5	1	1.64	-18.36	Pass
		2441	2DH5	1	1.64	-18.36	Pass
		2480	2DH5	1	1.64	-18.36	Pass
		HOPP	2DH5	1	1.64	-18.36	Pass
					1.64	-18.36	Pass

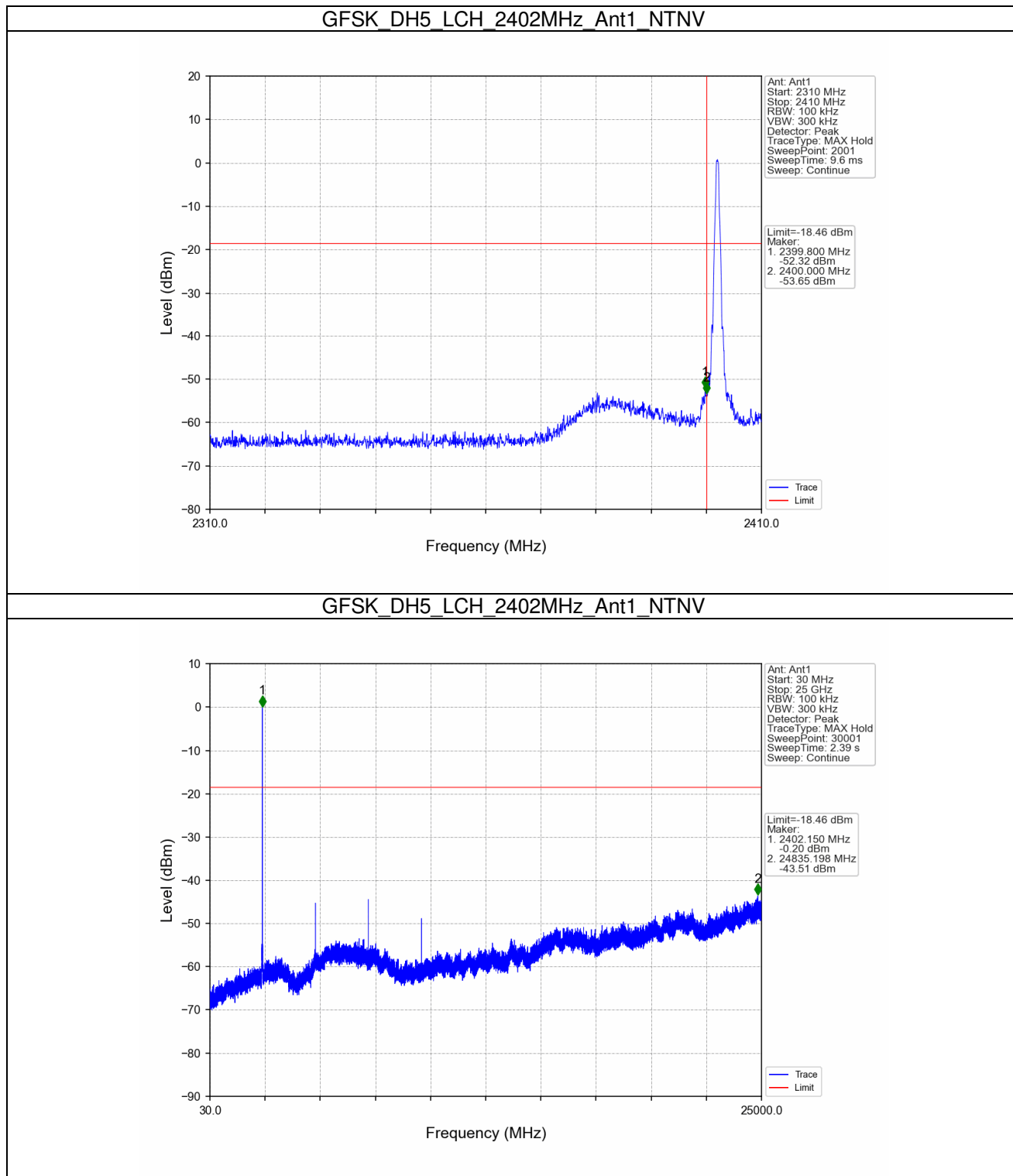
Note1: Refer to FCC Part 15.247 (d) and ANSI C63.10-2013, the channel contains the maximum PSD level was used to establish the reference level.



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6.2.2 Test Graph



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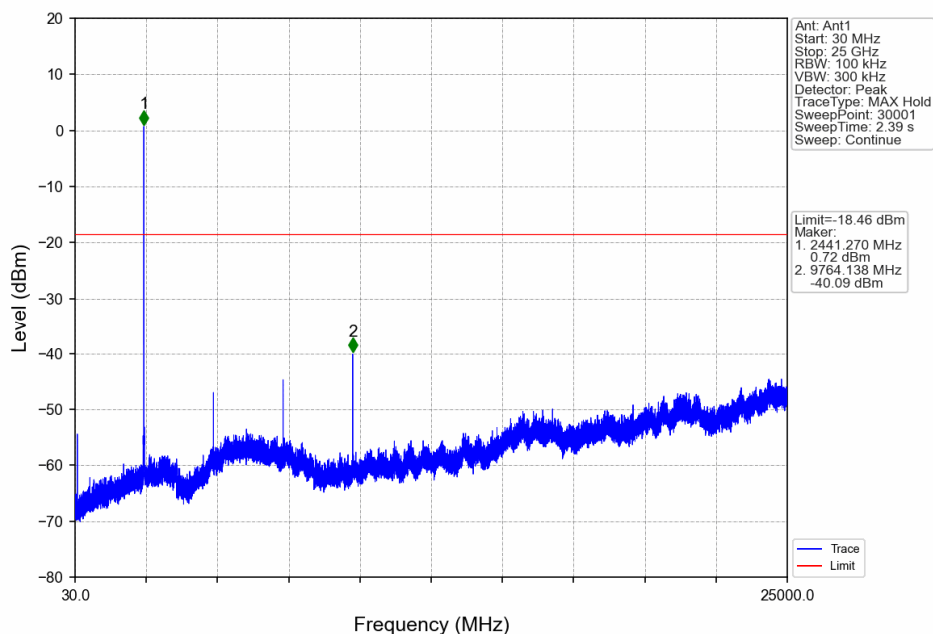
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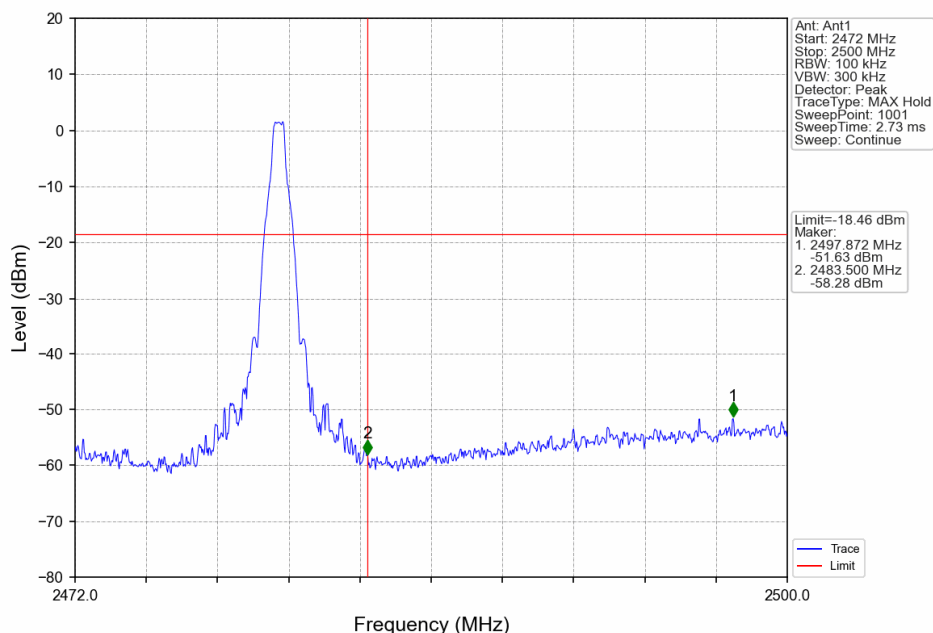
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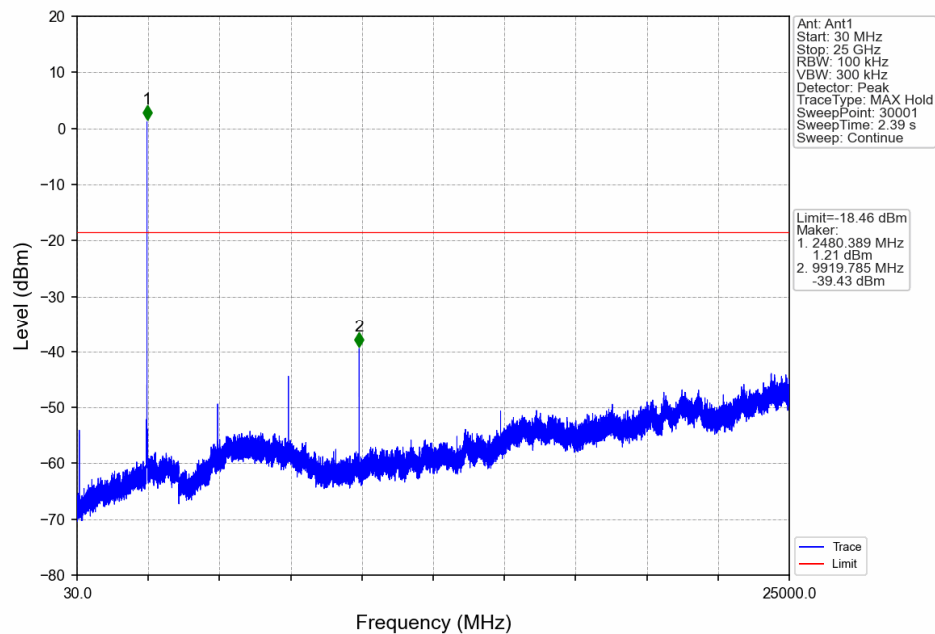
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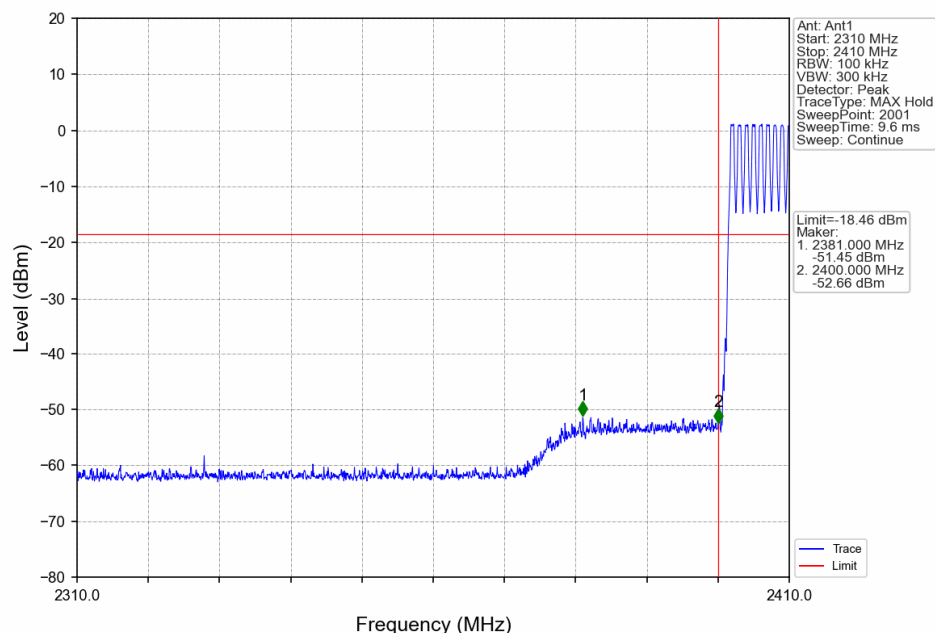
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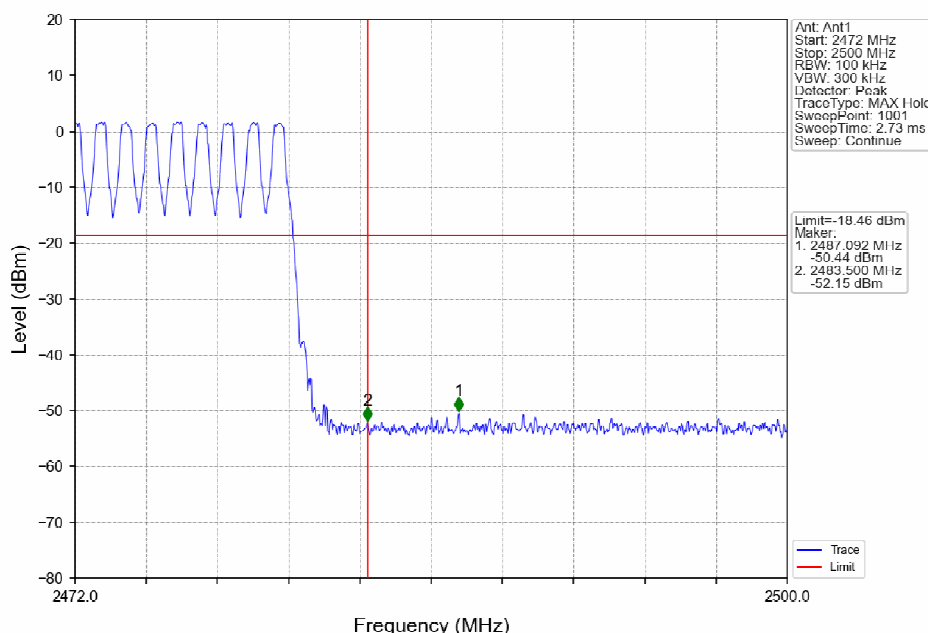
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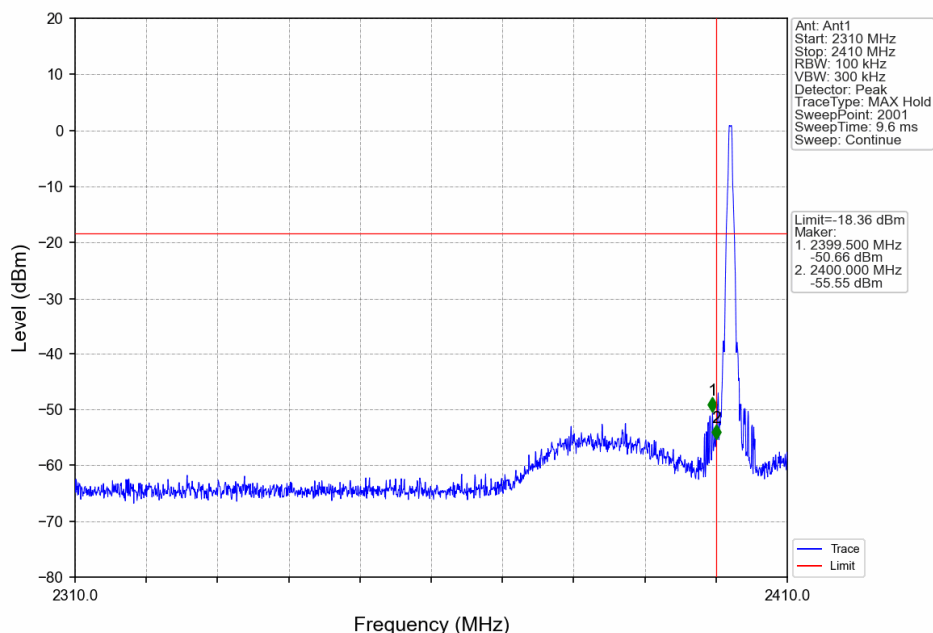
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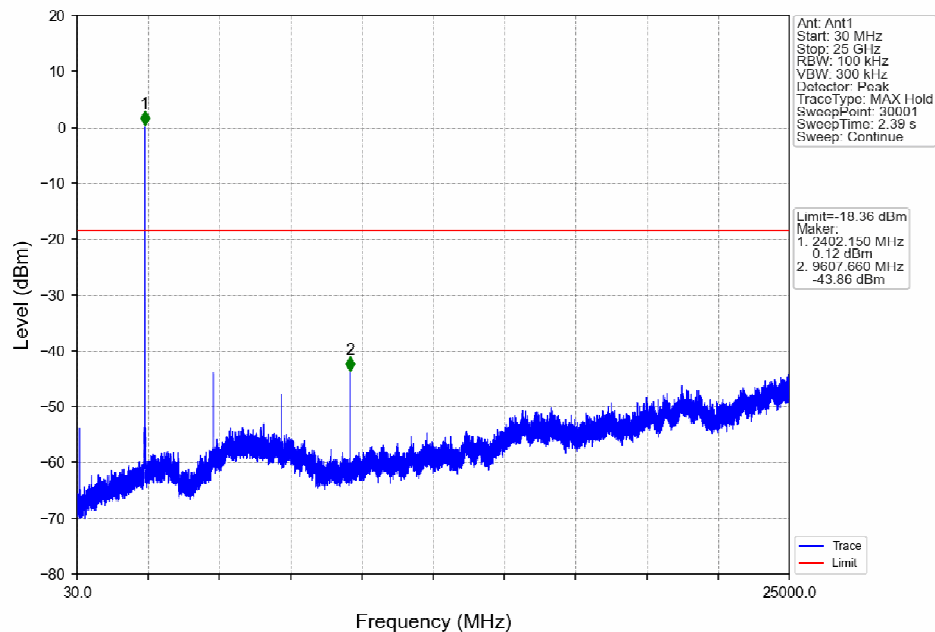
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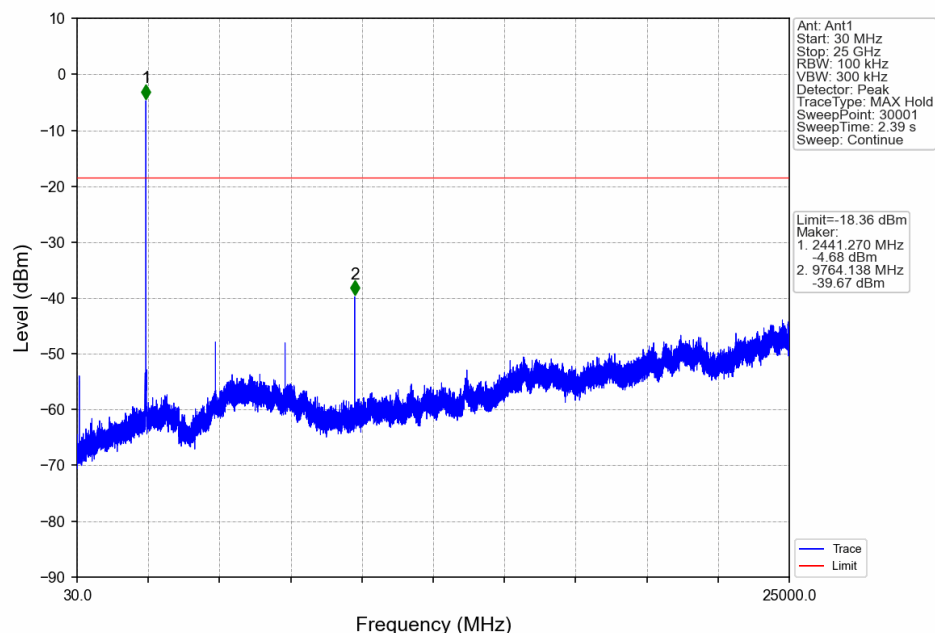
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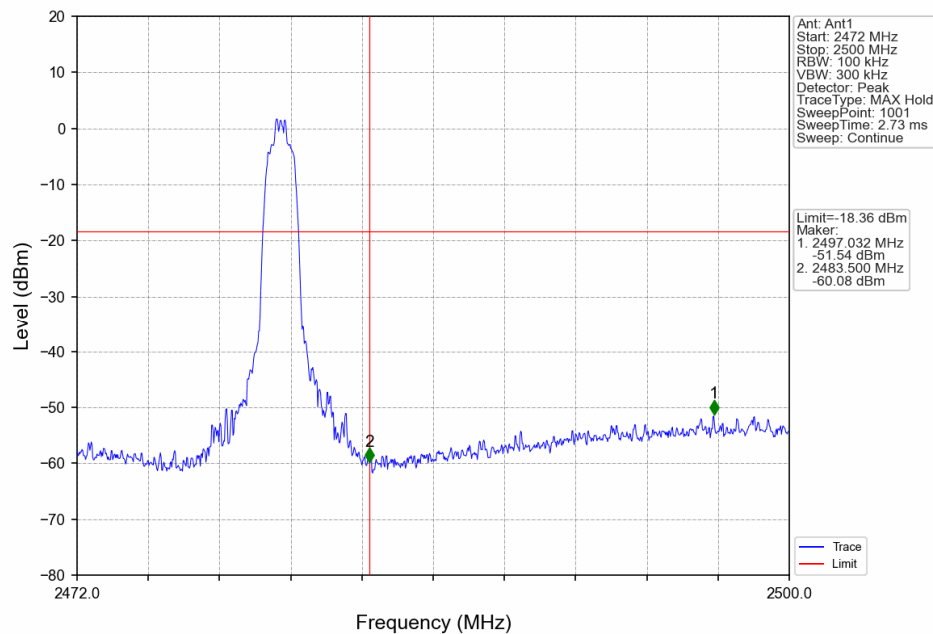
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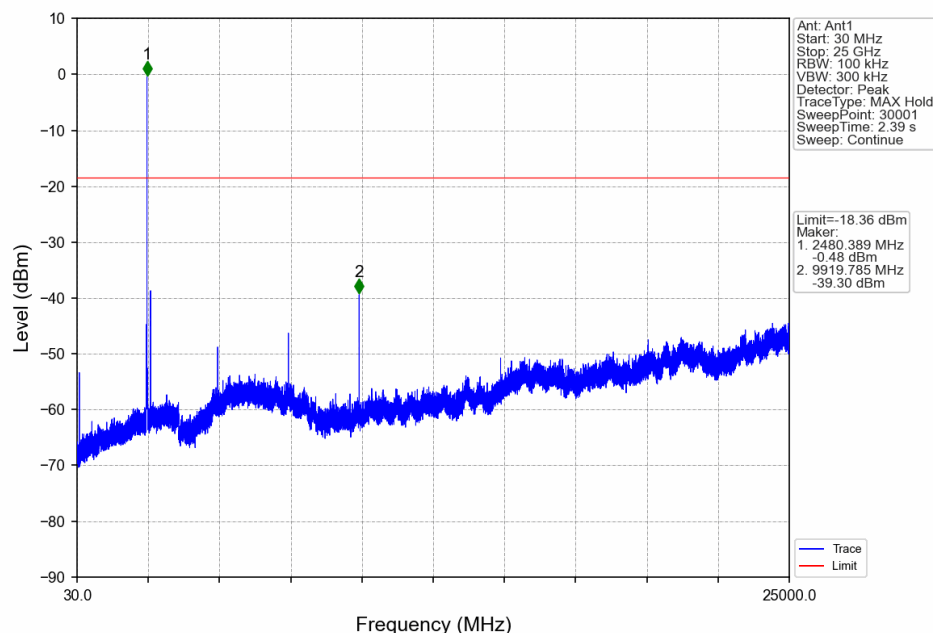
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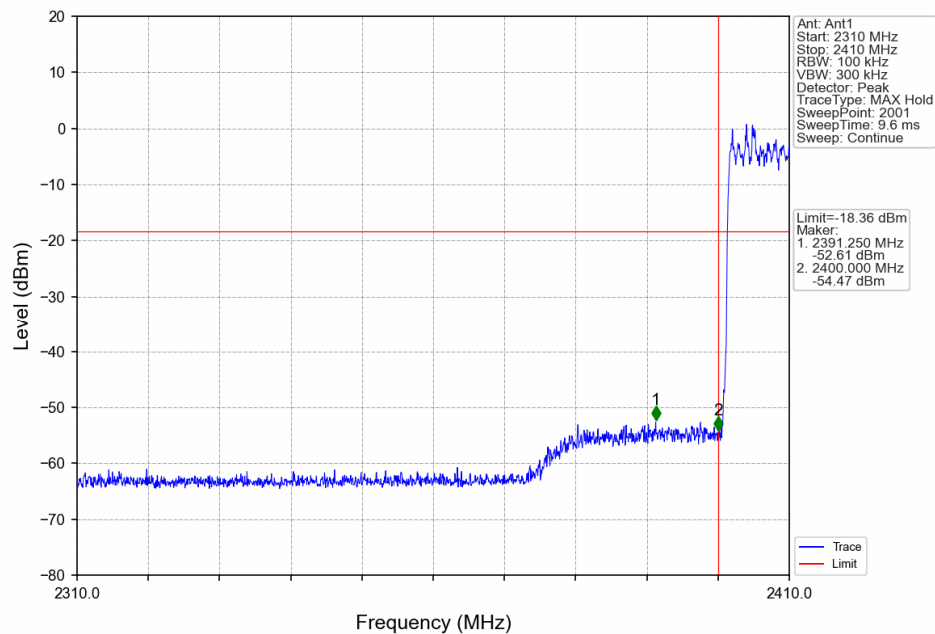
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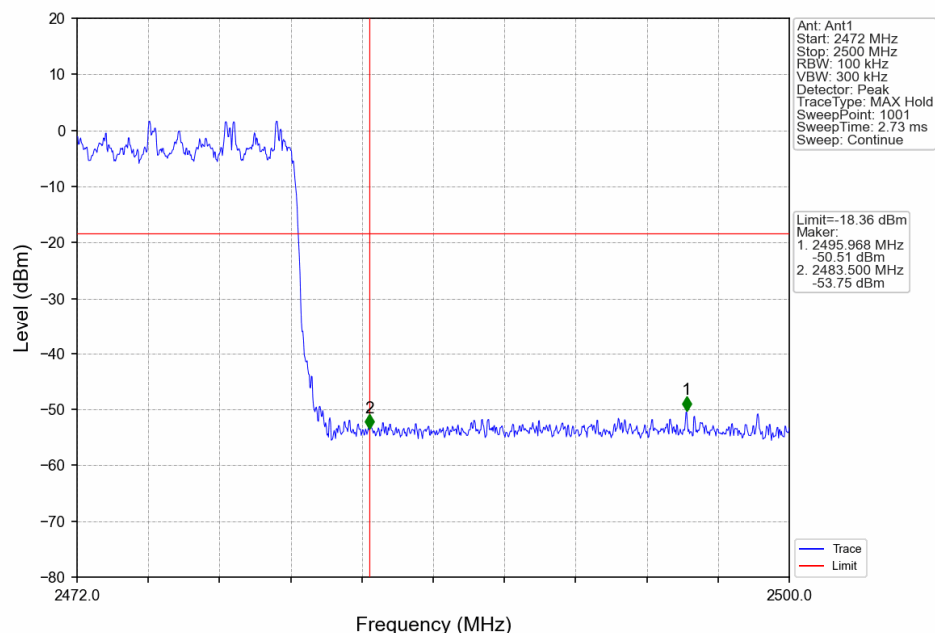
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