



Appendix A

RF Test Data for BT (Conducted Measurement)

Product Name: Electric Scooter for Kids

Test Model: S4

Environmental Conditions

Temperature:	24.9°C
Relative Humidity:	53.8%
ATM Pressure:	100.0 kPa
Test Engineer:	Can Kun
Supervised by:	Nick Peng



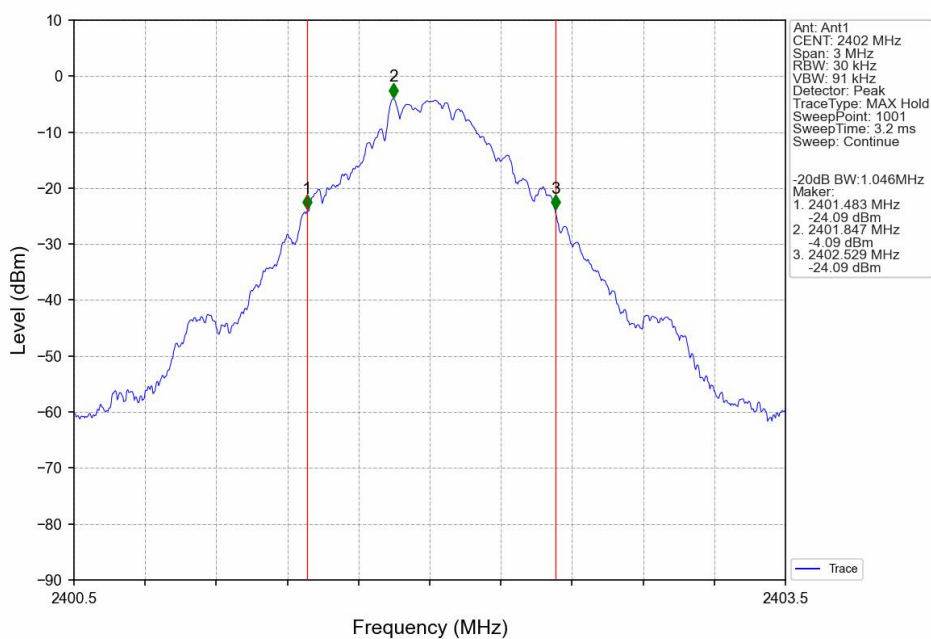
Shenzhen LCS Compliance Testing Laboratory Ltd.
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China
Tel: +(86) 0755-82591330 | E-mail: webmaster@lcs-cert.com | Web: www.lcs-cert.com
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A.1 -20dB Bandwidth

Mode	TX Type	Frequency (MHz)	Packet Type	ANT	20dB Bandwidth (MHz)		Verdict
					Result	Limit	
GFSK	SISO	2402	DH5	1	1.046	/	Pass
		2441	DH5	1	1.058	/	Pass
		2480	DH5	1	1.069	/	Pass
Pi/4DQPSK	SISO	2402	2DH5	1	1.331	/	Pass
		2441	2DH5	1	1.339	/	Pass
		2480	2DH5	1	1.351	/	Pass
8DPSK	SISO	2402	3DH5	1	1.314	/	Pass
		2441	3DH5	1	1.305	/	Pass
		2480	3DH5	1	1.303	/	Pass

GFSK_DH5_LCH_2402MHz_Ant1_NTNV



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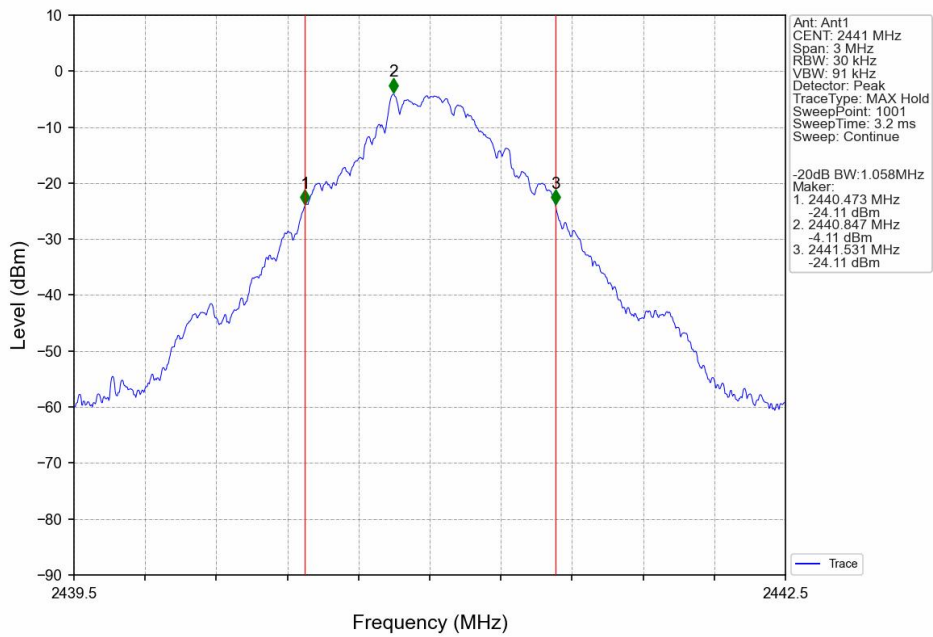
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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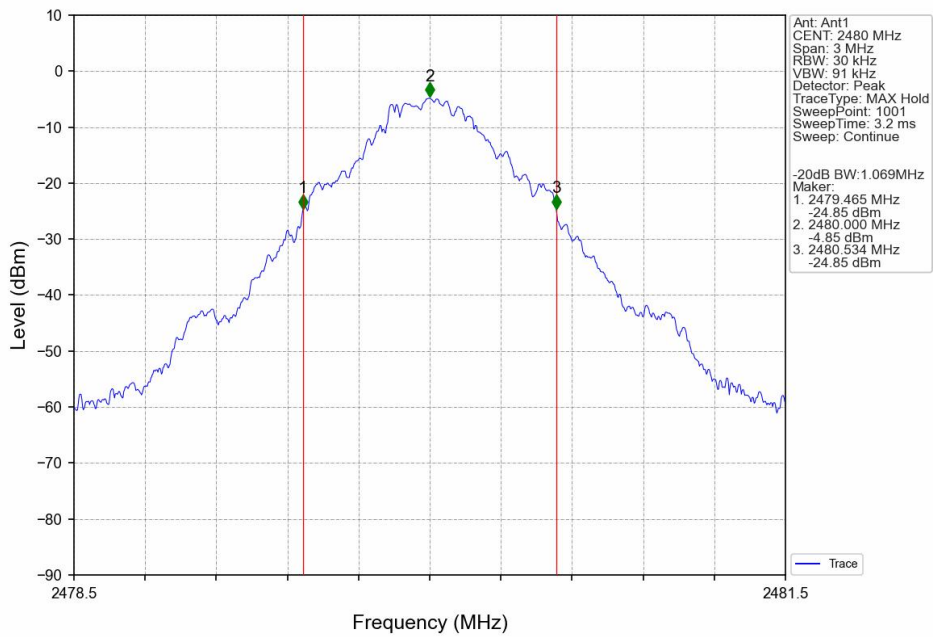


GFSK_DH5_MCH_2441MHz_Ant1_NTNV

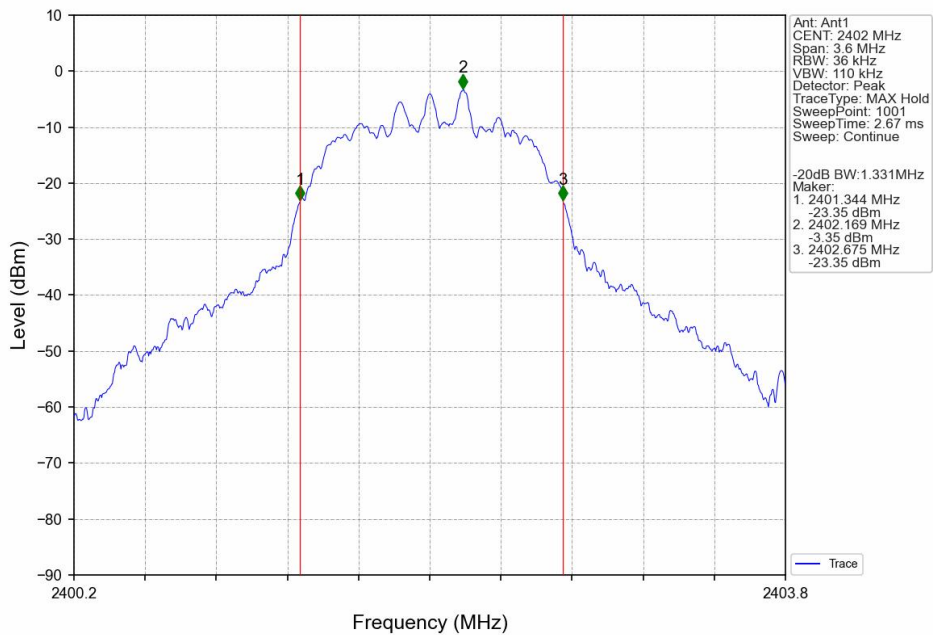




GFSK_DH5_HCH_2480MHz_Ant1_NTNV

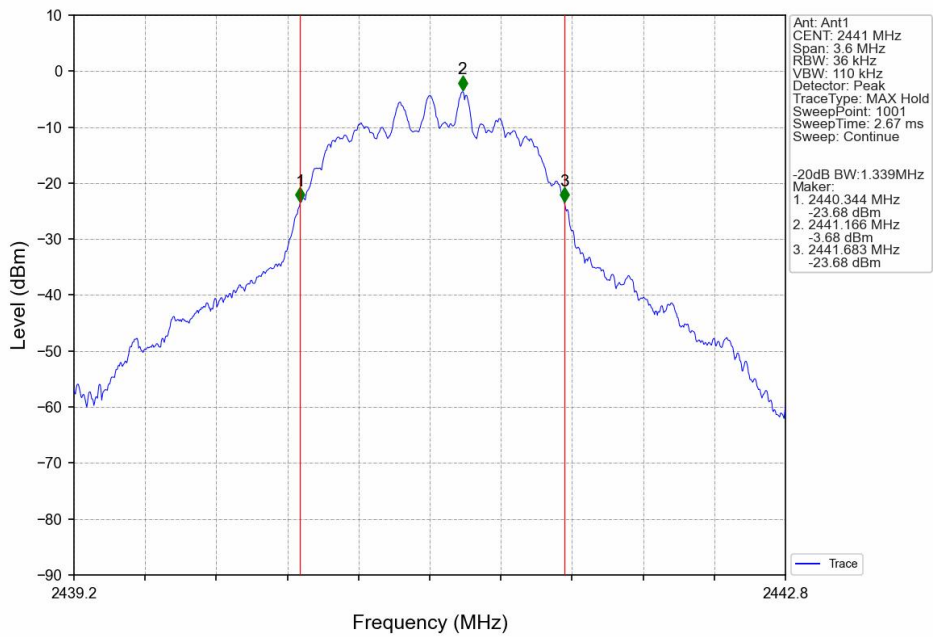


Pi/4DQPSK_2DH5_LCH_2402MHz_Ant1_NTNV

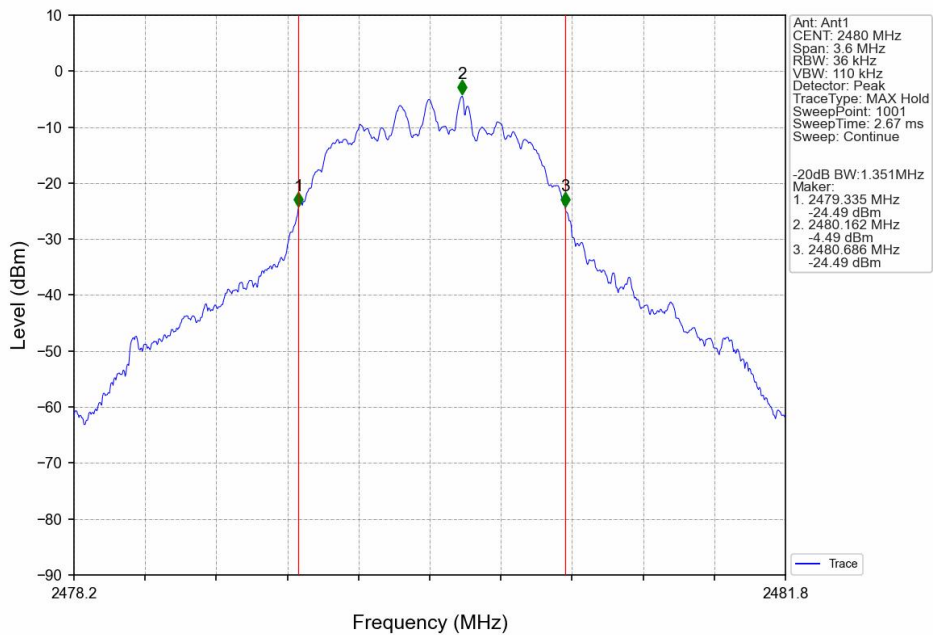




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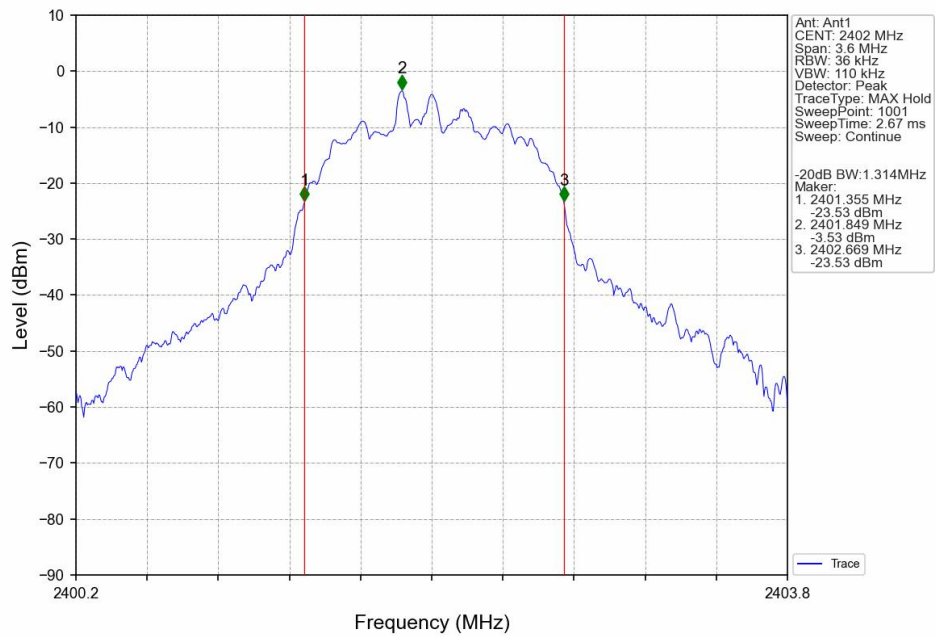


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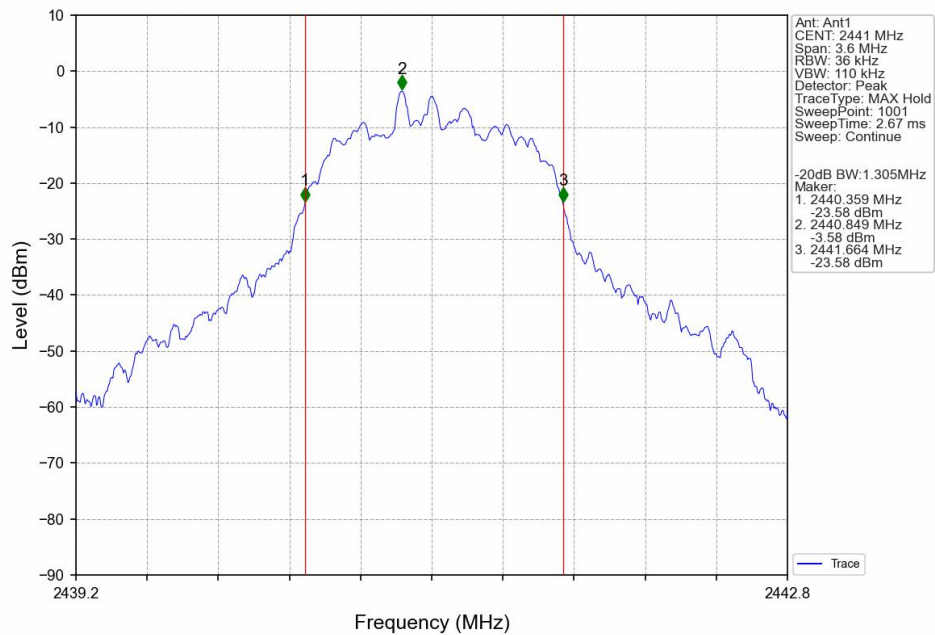




8DPSK_3DH5_LCH_2402MHz_Ant1_NTNV

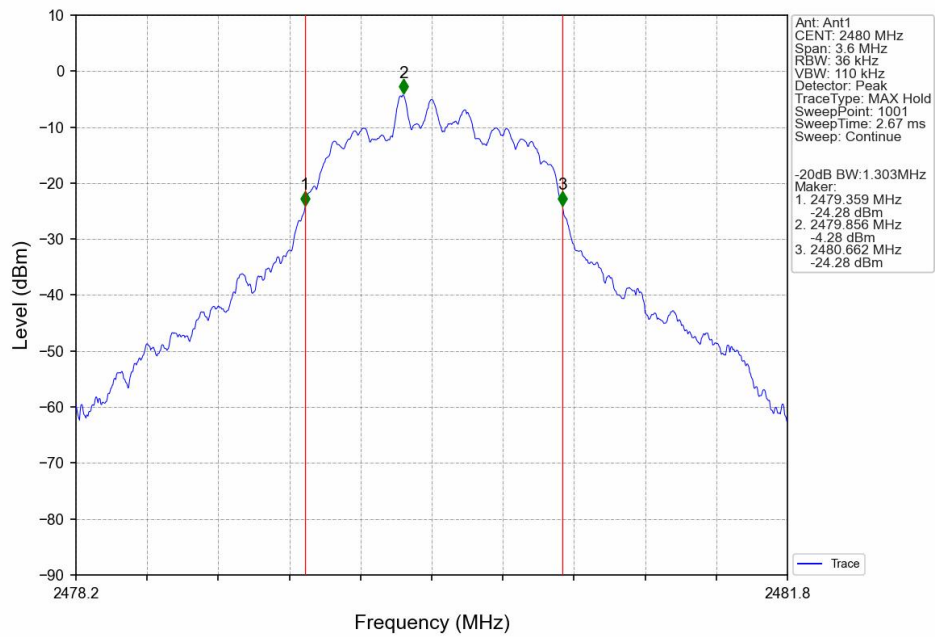


8DPSK_3DH5_MCH_2441MHz_Ant1_NTNV





8DPSK_3DH5_HCH_2480MHz_Ant1_NTNV

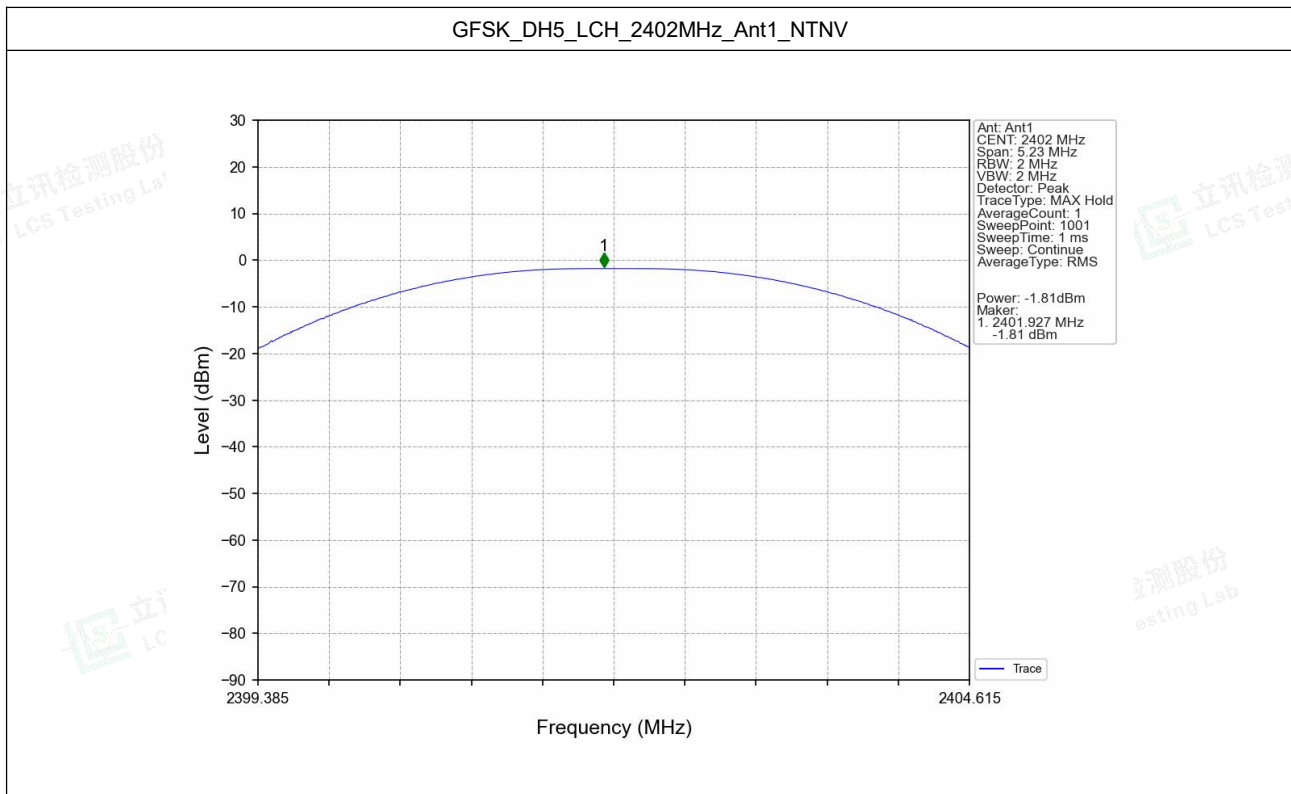




A.2 Maximum Peak Conducted Output Power

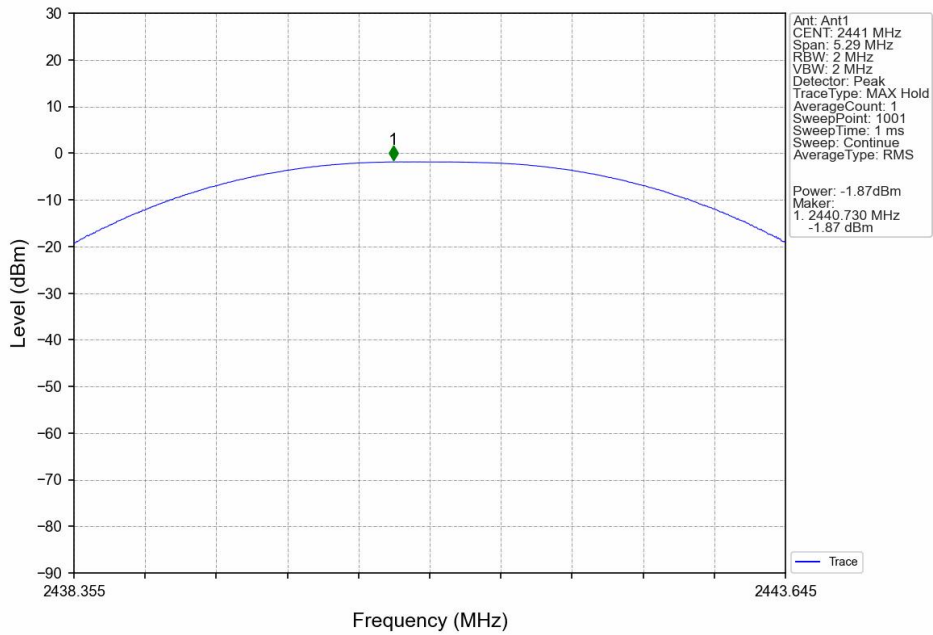
Mode	TX Type	Frequency (MHz)	Packet Type	Maximum Peak Conducted Output Power (dBm)		Verdict
				ANT1	Limit	
GFSK	SISO	2402	DH5	-1.81	<=20.97	Pass
		2441	DH5	-1.87	<=20.97	Pass
		2480	DH5	-2.33	<=20.97	Pass
Pi/4DQPSK	SISO	2402	2DH5	-0.92	<=20.97	Pass
		2441	2DH5	-1.04	<=20.97	Pass
		2480	2DH5	-1.50	<=20.97	Pass
8DPSK	SISO	2402	3DH5	-0.55	<=20.97	Pass
		2441	3DH5	-0.63	<=20.97	Pass
		2480	3DH5	-1.09	<=20.97	Pass

Note1: Antenna Gain: Ant1: 0.00dBi;



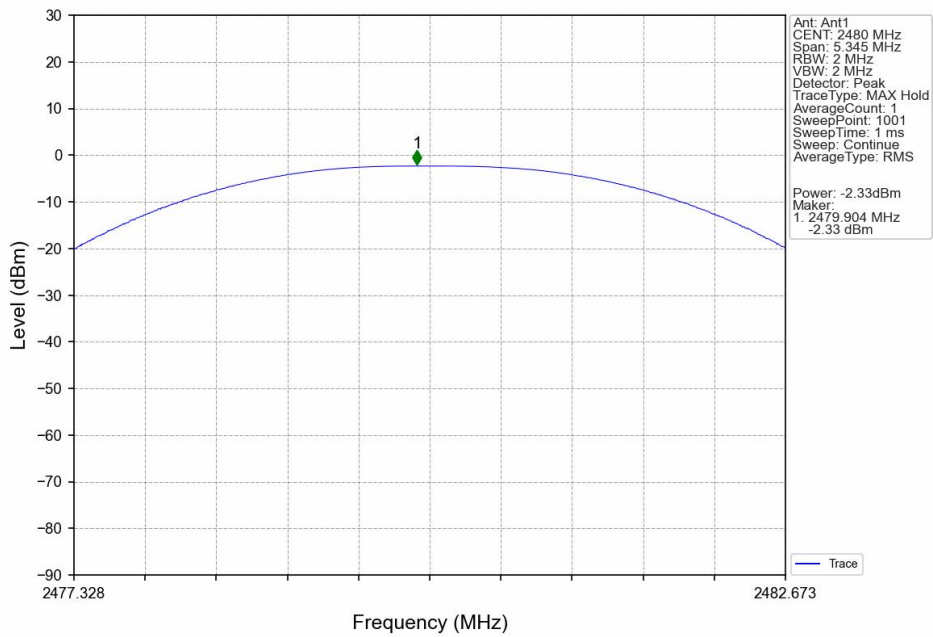


GFSK_DH5_MCH_2441MHz_Ant1_NTNV

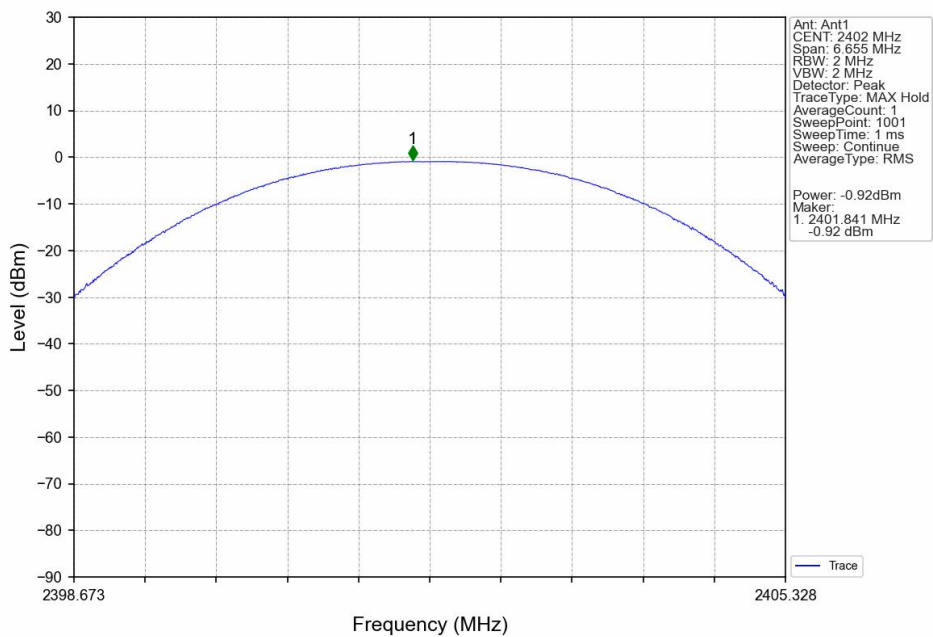




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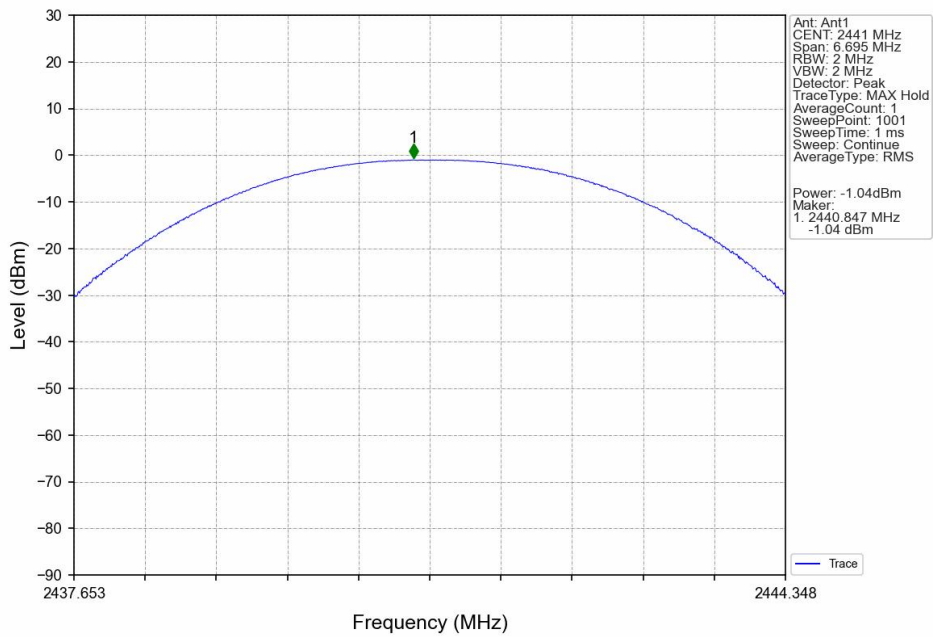


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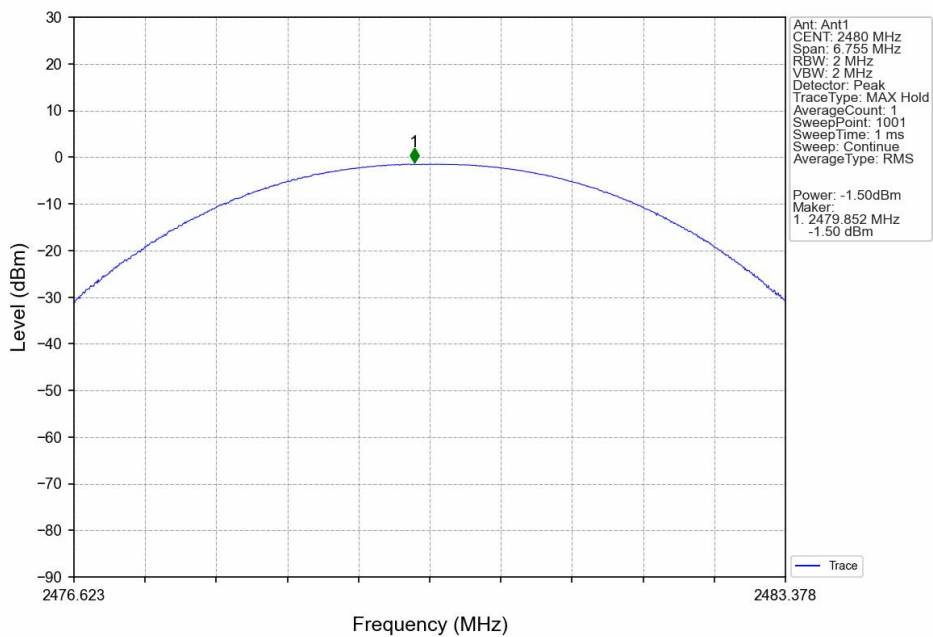




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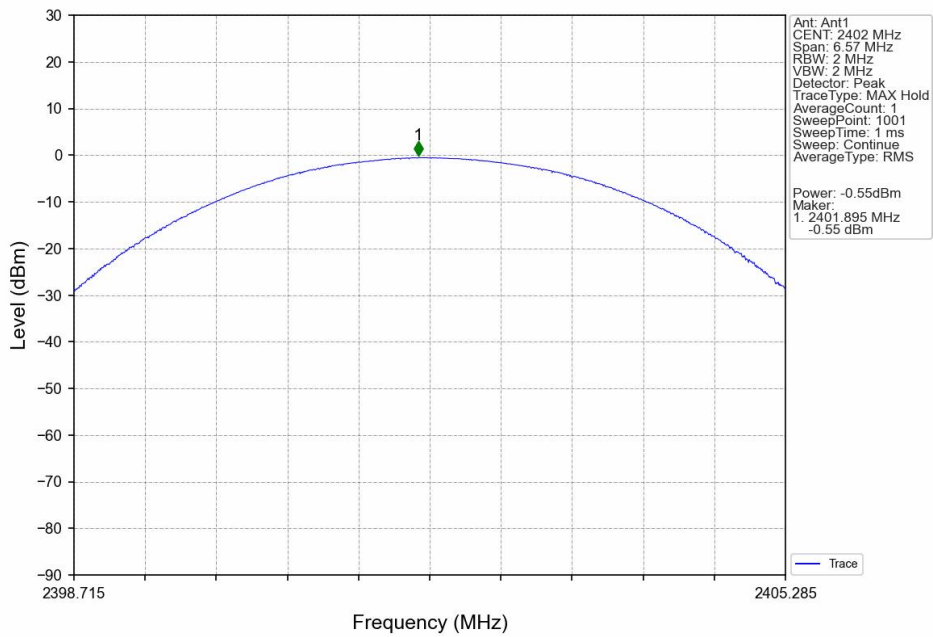


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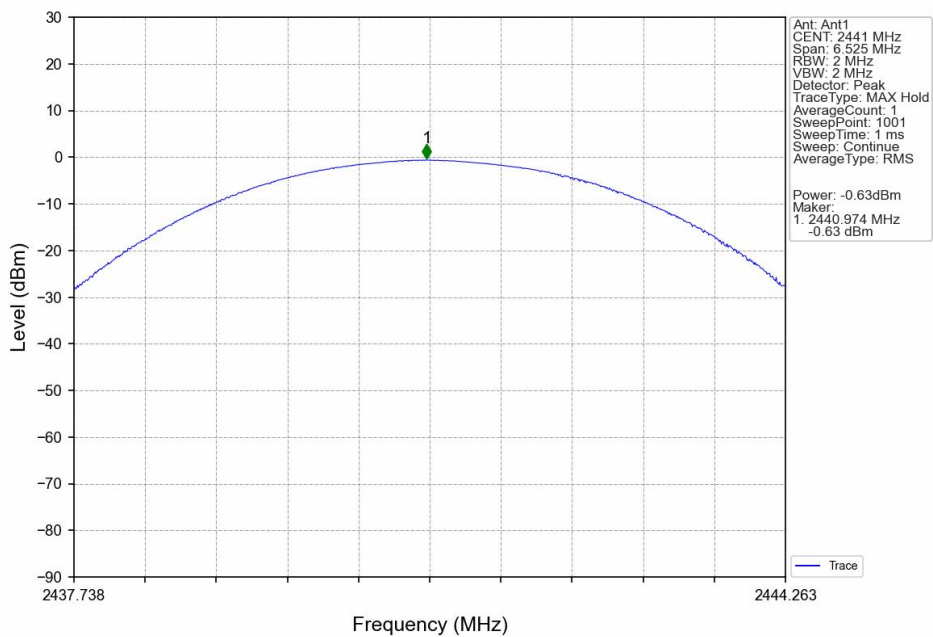




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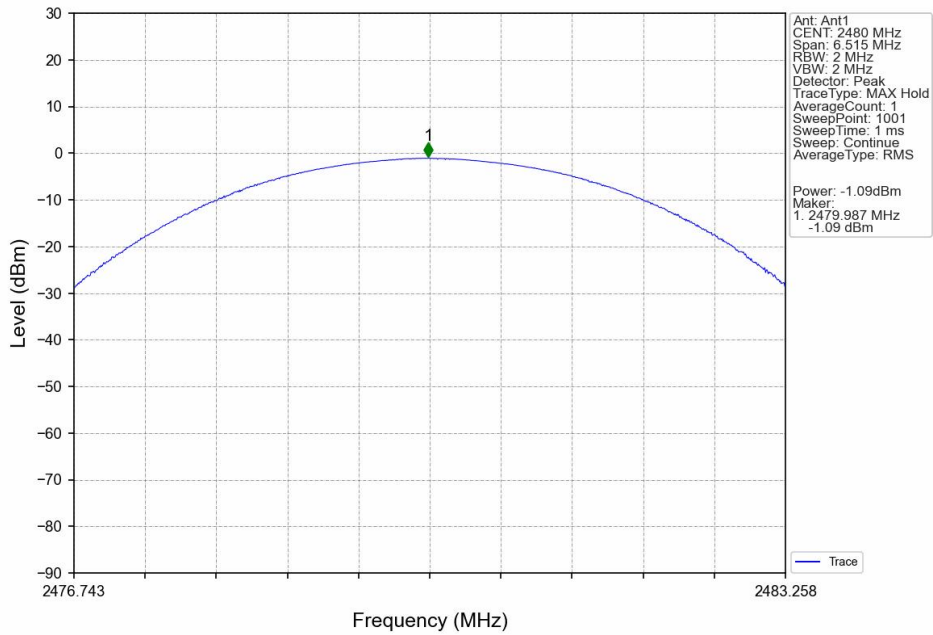


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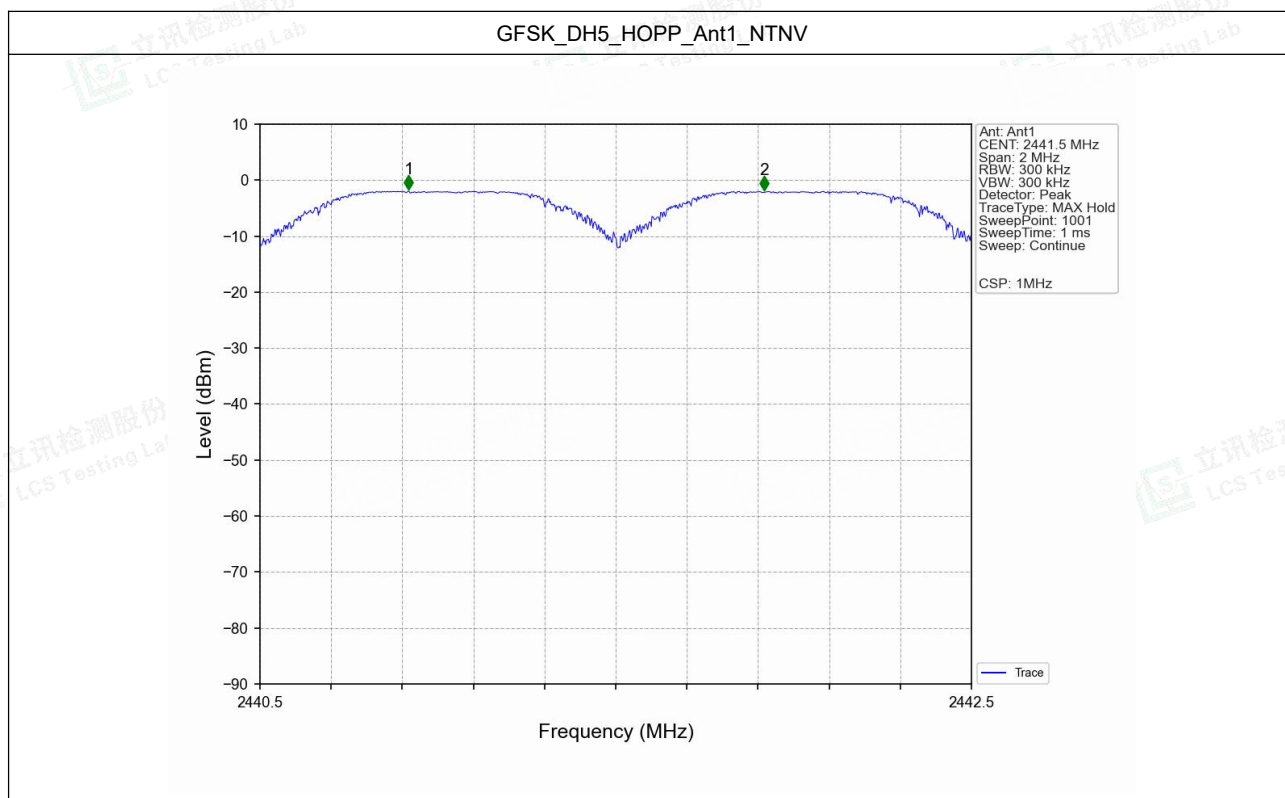
8DPSK_3DH5_HCH_2480MHz_Ant1_NTNV





A.3 Carrier Frequencies Separation

Ant1							
Mode	TX Type	Frequency (MHz)	Packet Type	Channel Separation (MHz)	20dB Bandwidth (MHz)	Limit (MHz)	Verdict
GFSK	SISO	HOPP	DH5	1.000	1.069	≥ 0.713	Pass
Pi/4DQPSK	SISO	HOPP	2DH5	1.001	1.351	≥ 0.901	Pass
8DPSK	SISO	HOPP	3DH5	1.001	1.314	≥ 0.876	Pass



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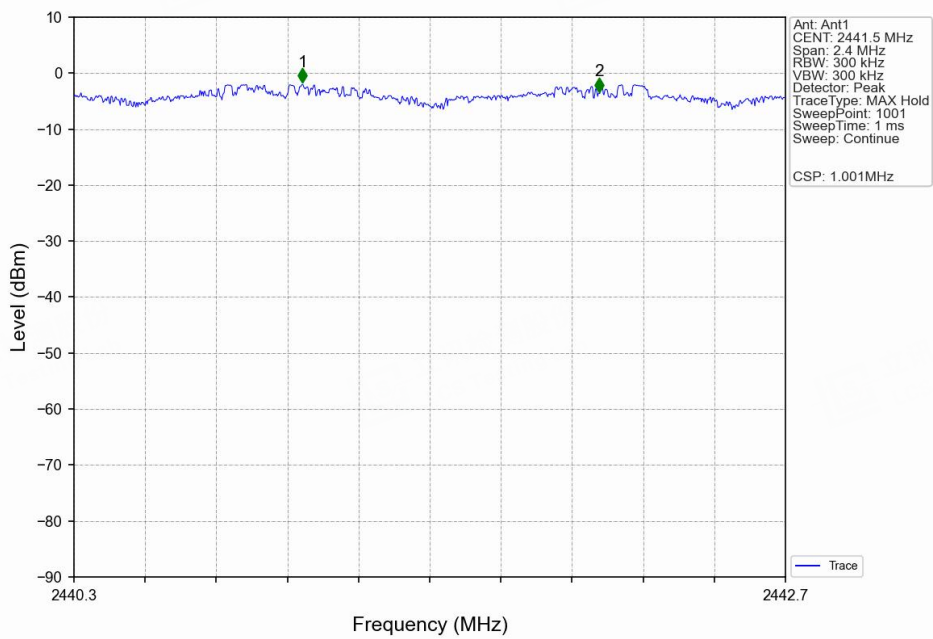
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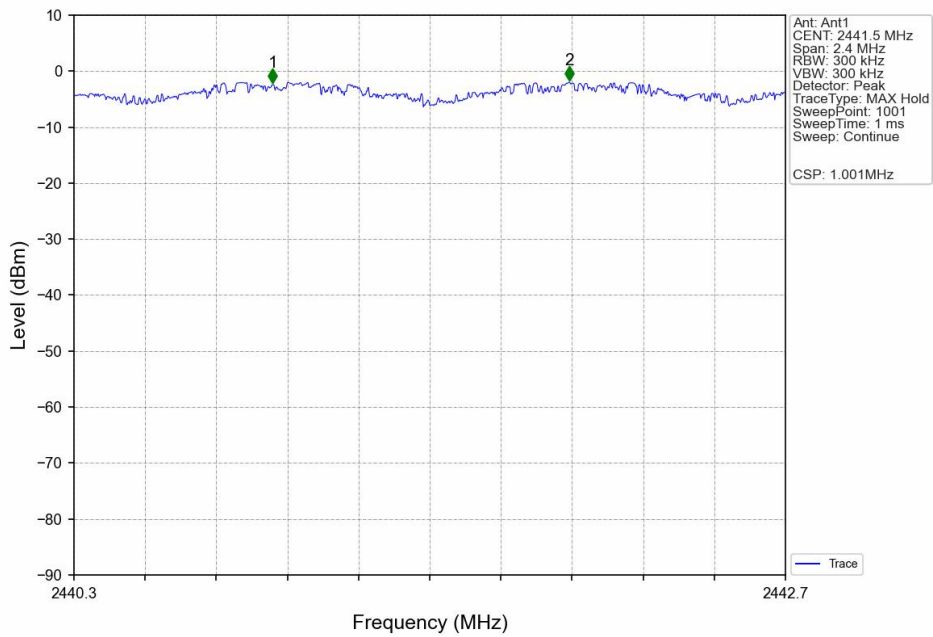


Pi/4DQPSK_2DH5_HOPP_Ant1_NTNV





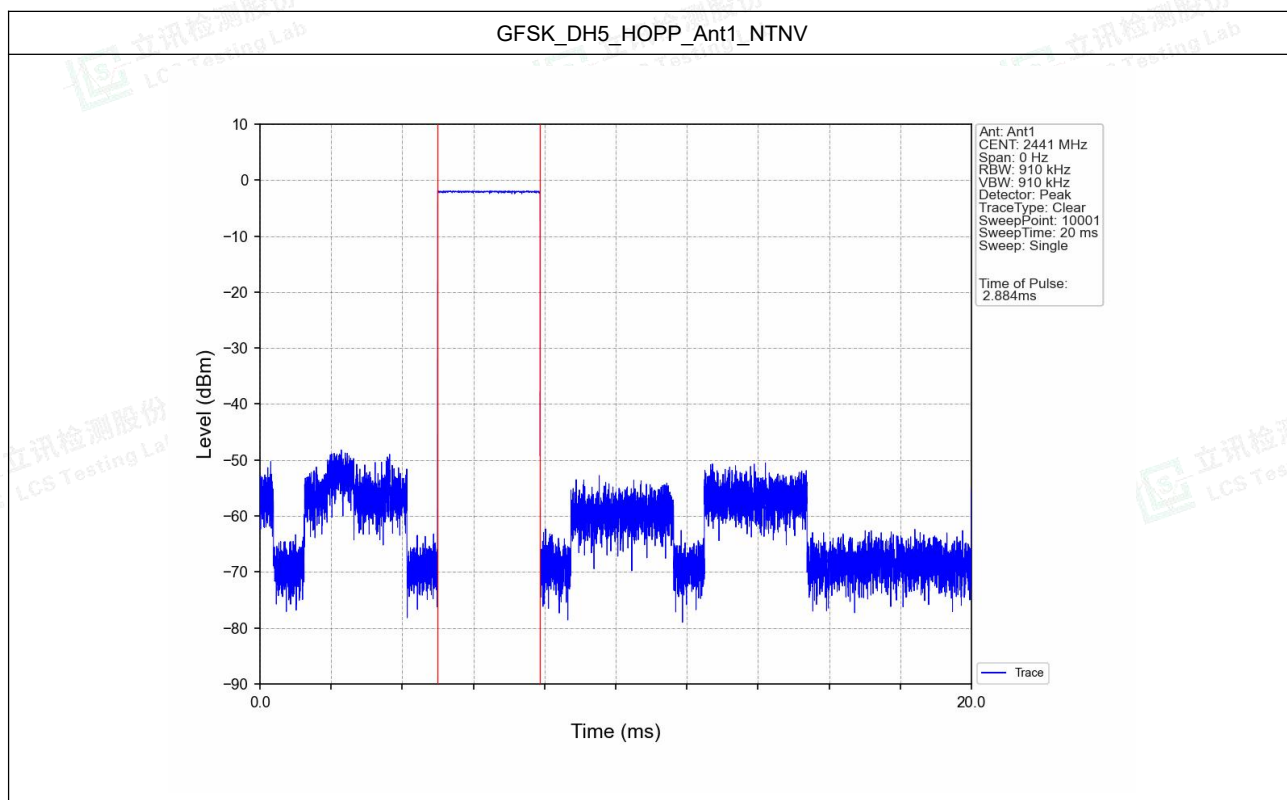
8DPSK_3DH5_HOPP_Ant1_NTNV





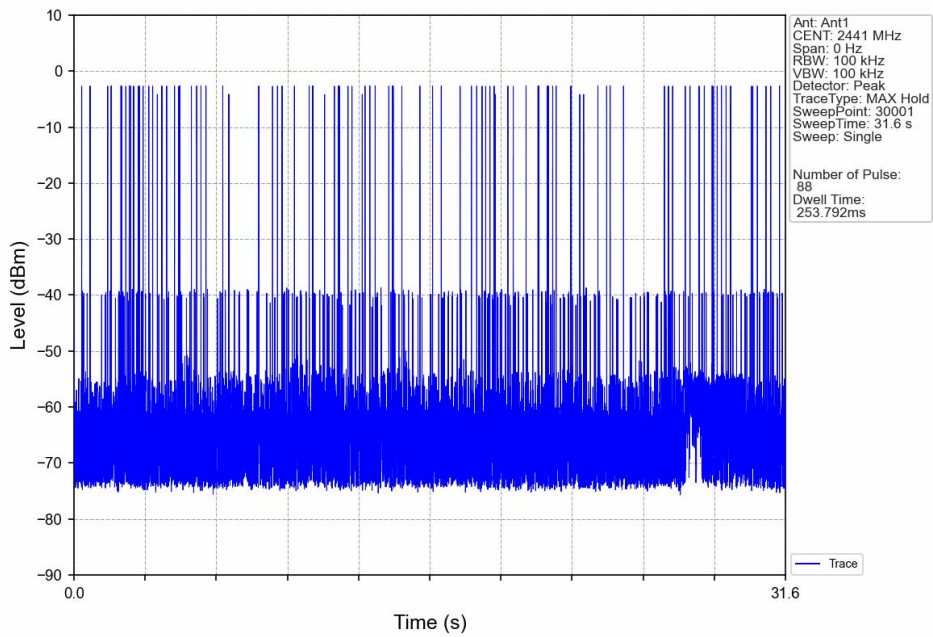
A.4 Dwell Time

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	DH5	2.884	31.600	88	253.792	<=400	Pass
Pi/4DQPSK	SISO	HOPP	2DH5	2.894	31.600	109	315.446	<=400	Pass
8DPSK	SISO	HOPP	3DH5	2.892	31.600	99	286.308	<=400	Pass



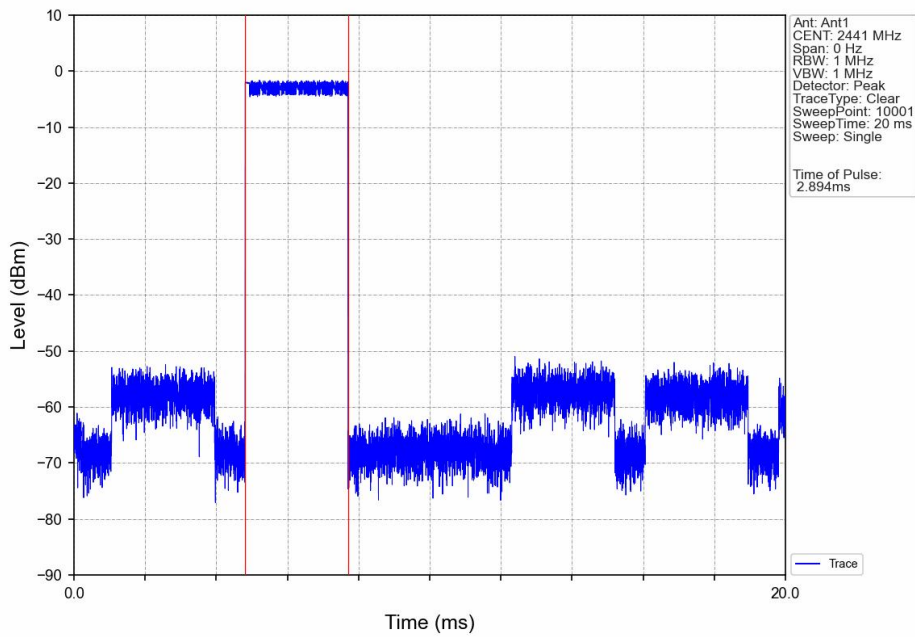


GFSK_DH5_HOPP_Ant1_NTNV

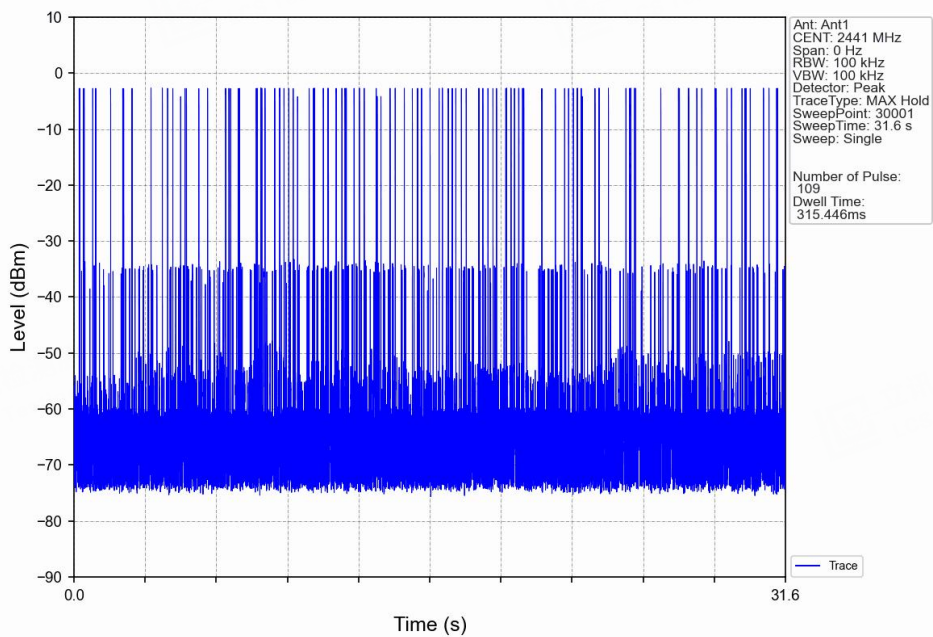




Pi/4DQPSK_2DH5_HOPP_Ant1_NTNV

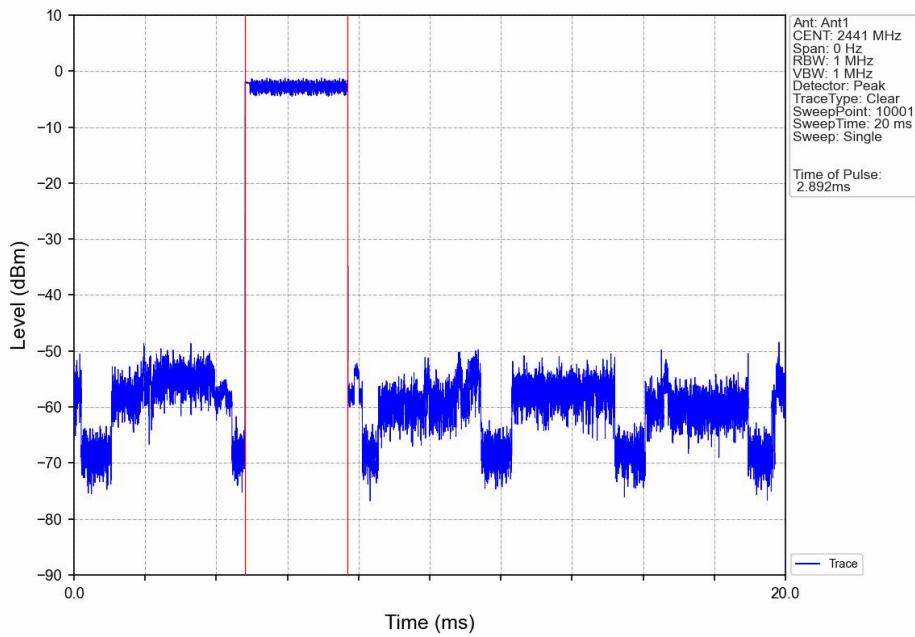


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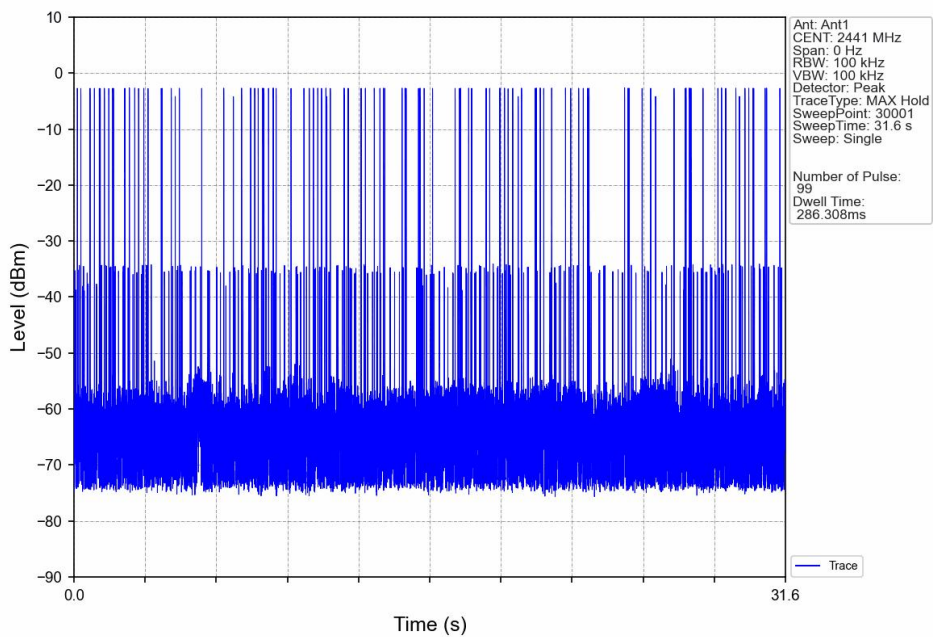




8DPSK_3DH5_HOPP_Ant1_NTNV



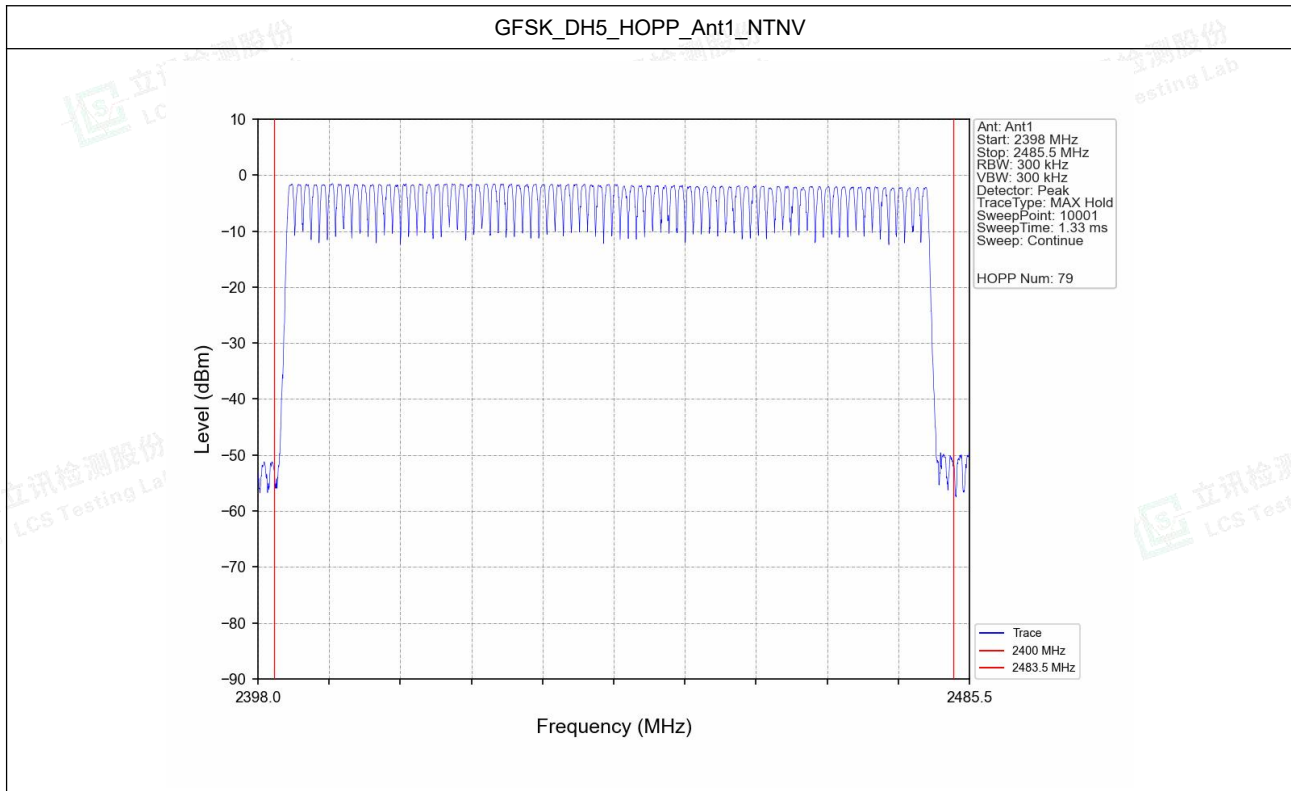
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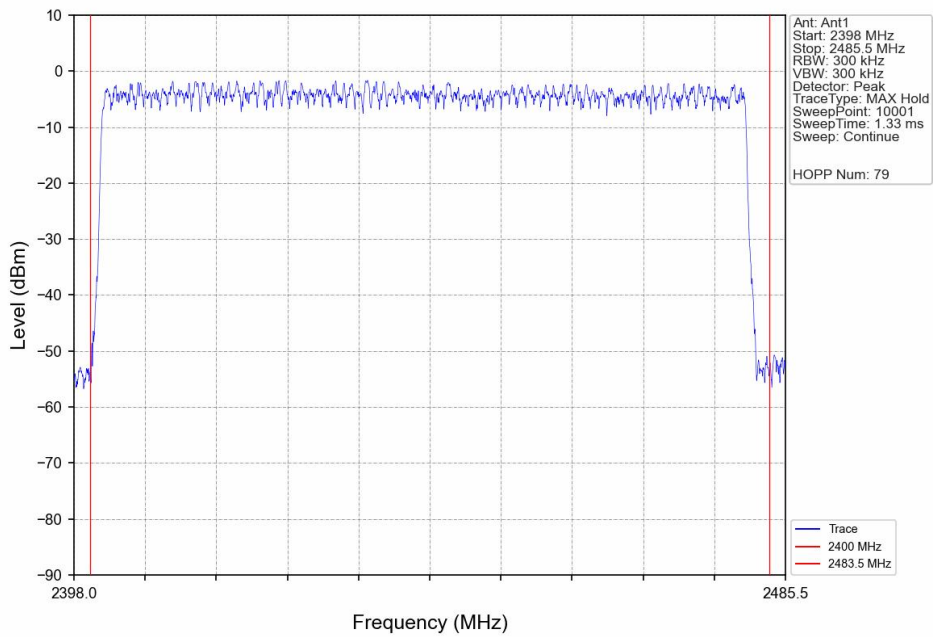
A.5 Number of Hopping Channel

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



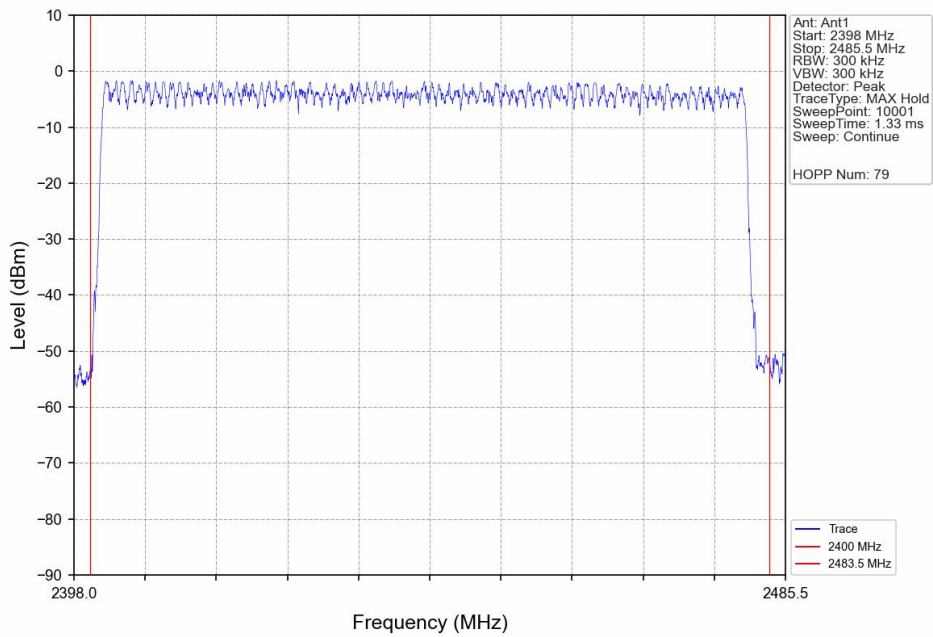


Pi/4DQPSK_2DH5_HOPP_Ant1_NTNV





8DPSK_3DH5_HOPP_Ant1_NTNV





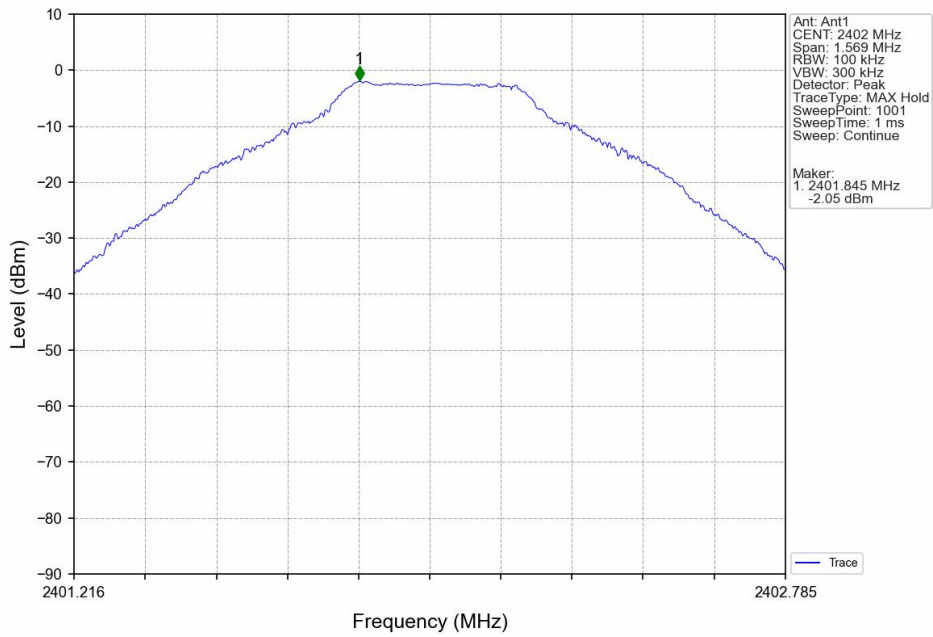
A.6 Band Edge

Mode	TX Type	Frequency (MHz)	Packet Type	ANT	Level of Reference (dBm)	Limit (dBm)	Verdict
GFSK	SISO	2402	DH5	1	-2.05	-22.05	Pass
		2441	DH5	1	-2.05	-22.05	Pass
		2480	DH5	1	-2.05	-22.05	Pass
		HOPP	DH5	1	-2.05	-22.05	Pass
					-2.05	-22.05	Pass
Pi/4DQPSK	SISO	2402	2DH5	1	-1.97	-21.97	Pass
		2441	2DH5	1	-1.97	-21.97	Pass
		2480	2DH5	1	-1.97	-21.97	Pass
		HOPP	2DH5	1	-1.97	-21.97	Pass
					-1.97	-21.97	Pass
8DPSK	SISO	2402	3DH5	1	-2.00	-22.00	Pass
		2441	3DH5	1	-2.00	-22.00	Pass
		2480	3DH5	1	-2.00	-22.00	Pass
		HOPP	3DH5	1	-2.00	-22.00	Pass
					-2.00	-22.00	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.							

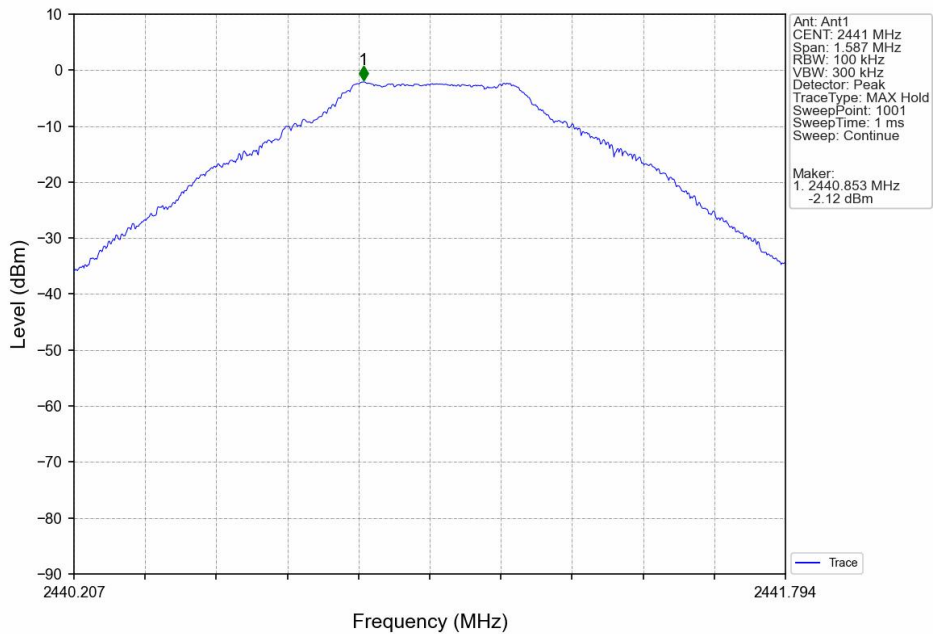




GFSK_DH5_LCH_2402MHz_Ant1_NTNV

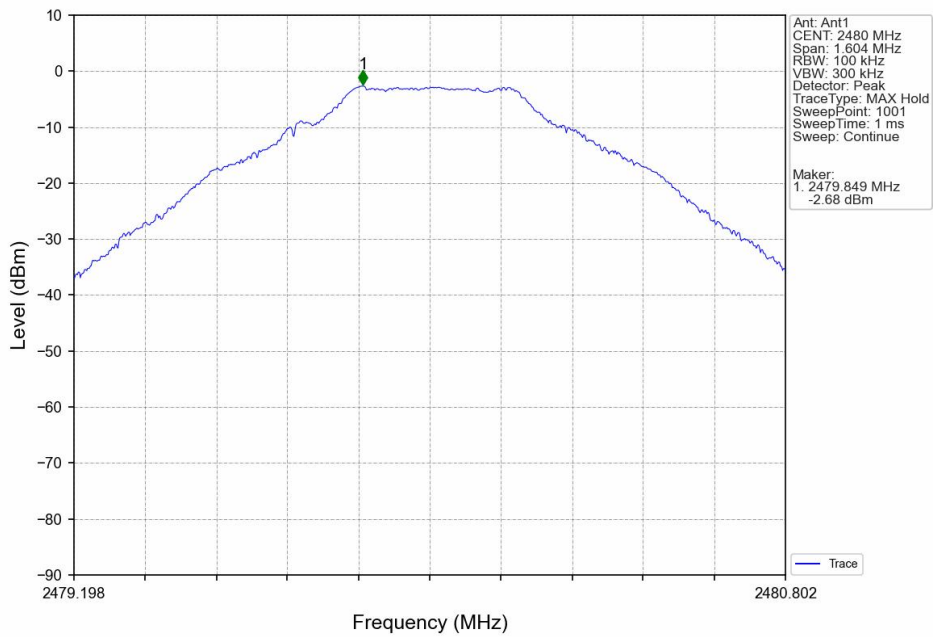


GFSK_DH5_MCH_2441MHz_Ant1_NTNV

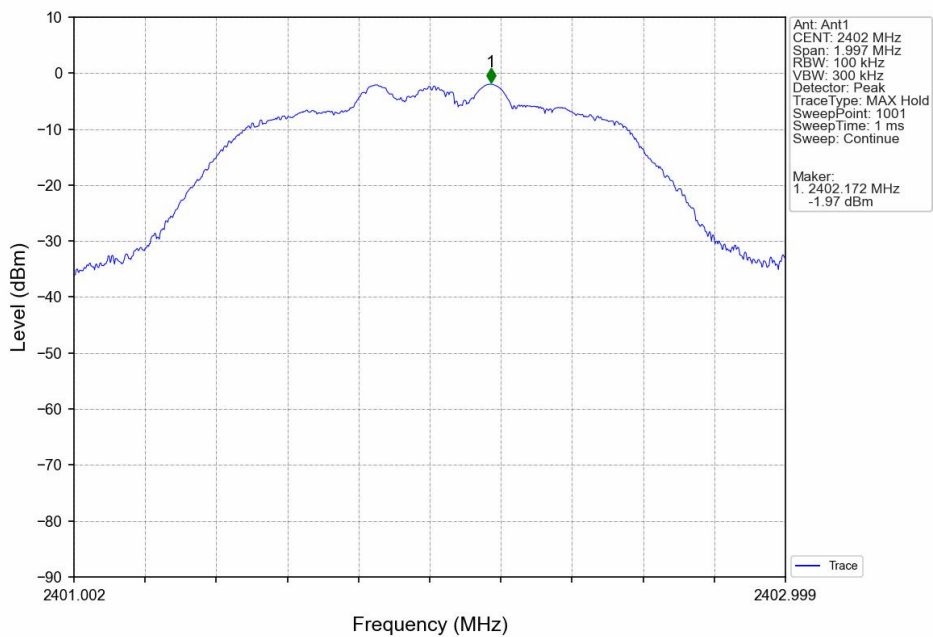




GFSK_DH5_HCH_2480MHz_Ant1_NTNV

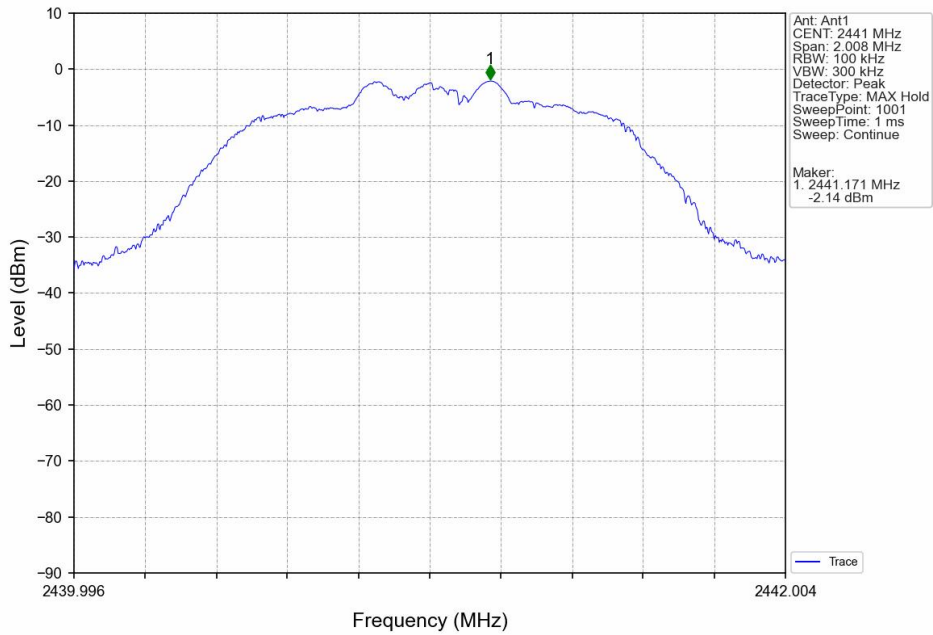


Pi/4DQPSK_2DH5_LCH_2402MHz_Ant1_NTNV

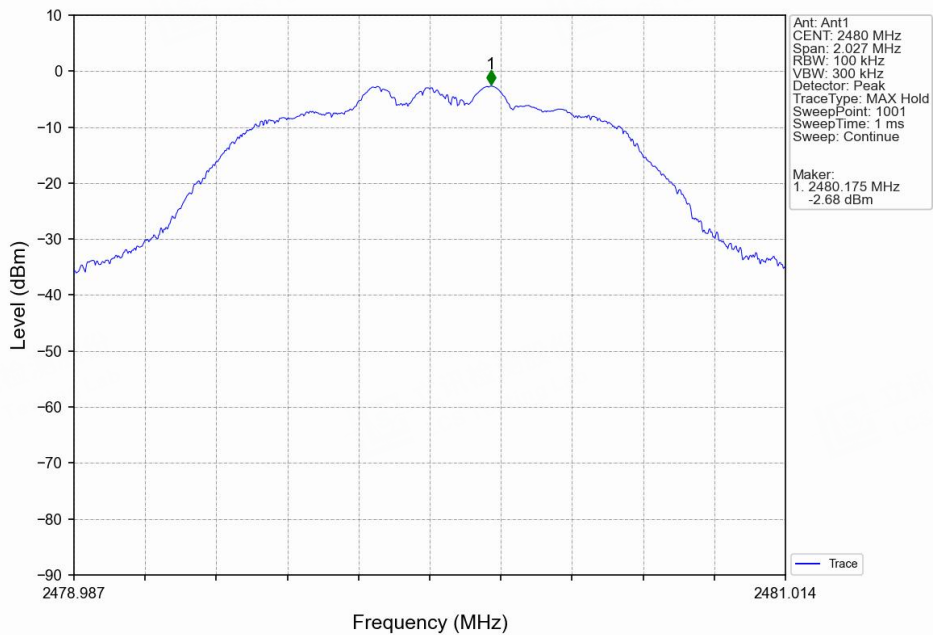




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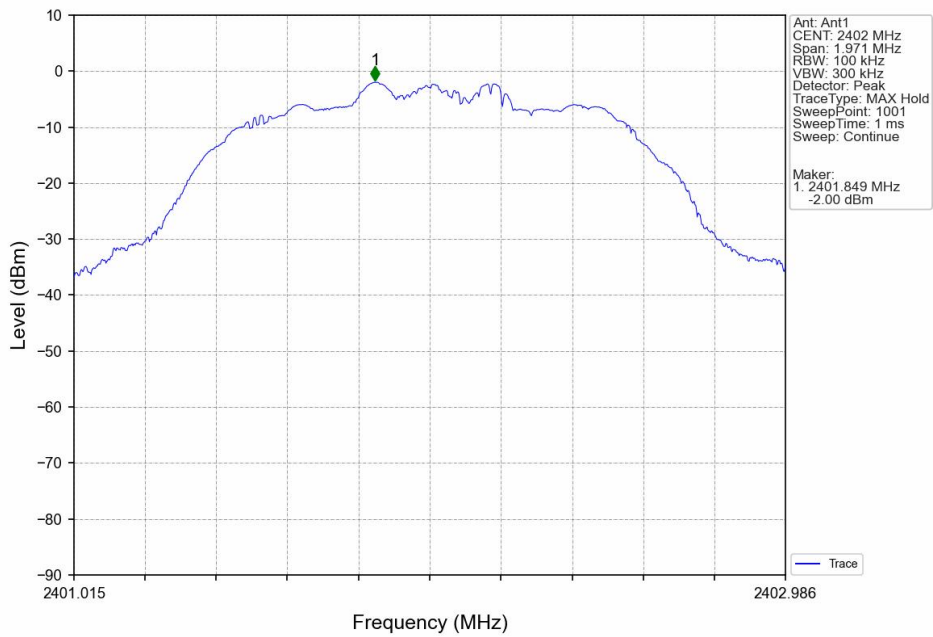


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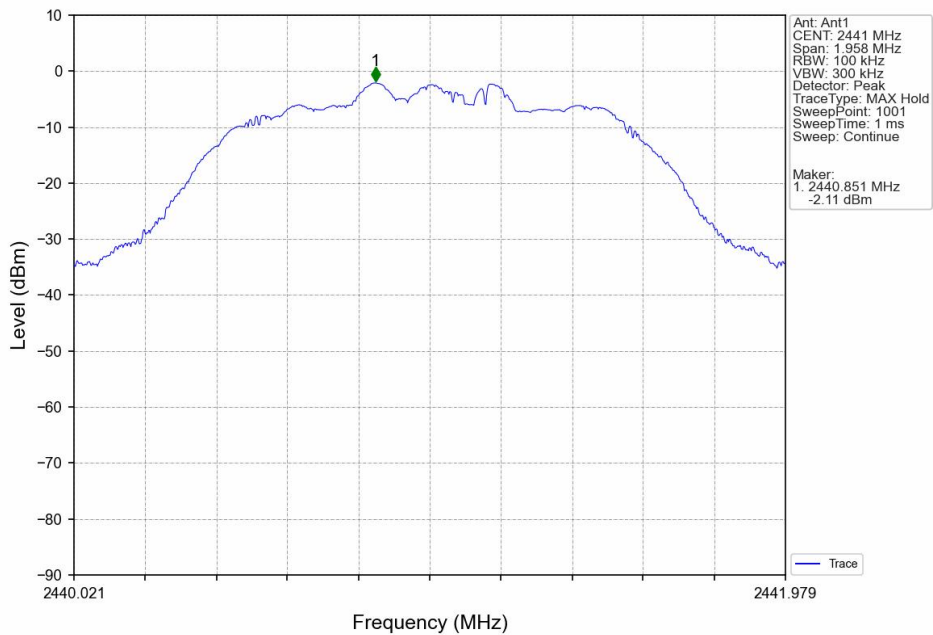




8DPSK_3DH5_LCH_2402MHz_Ant1_NTNV

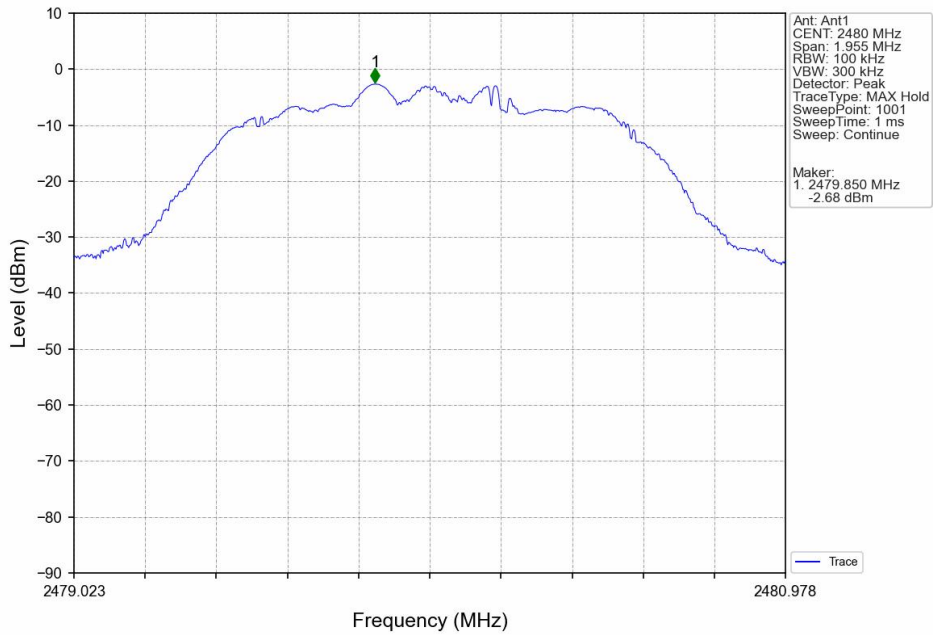


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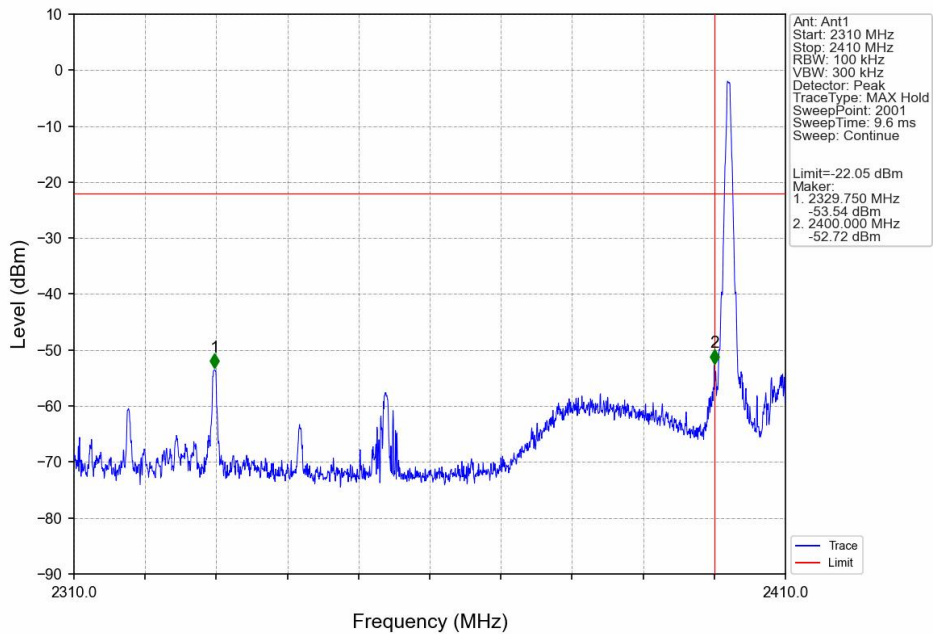


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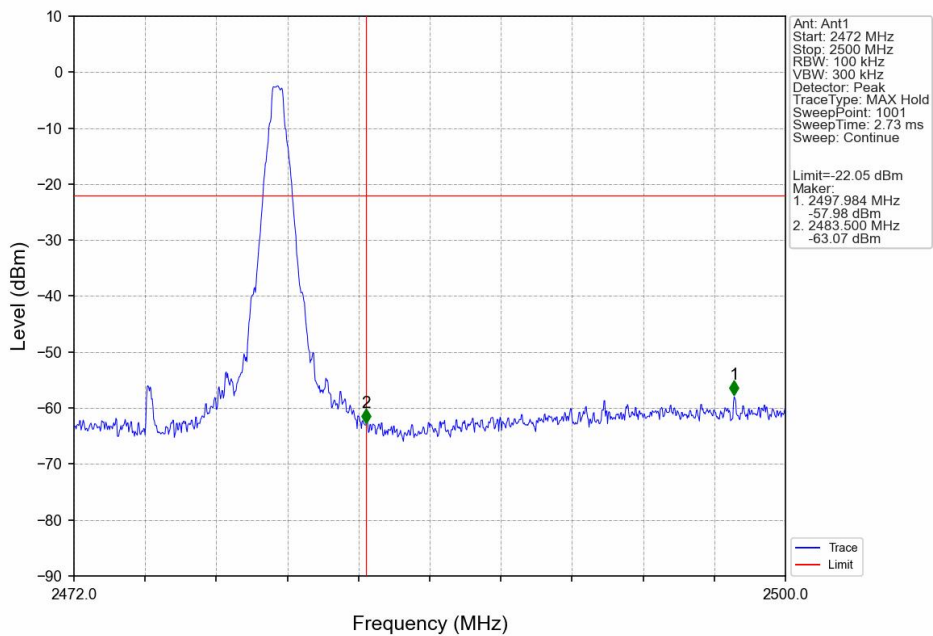




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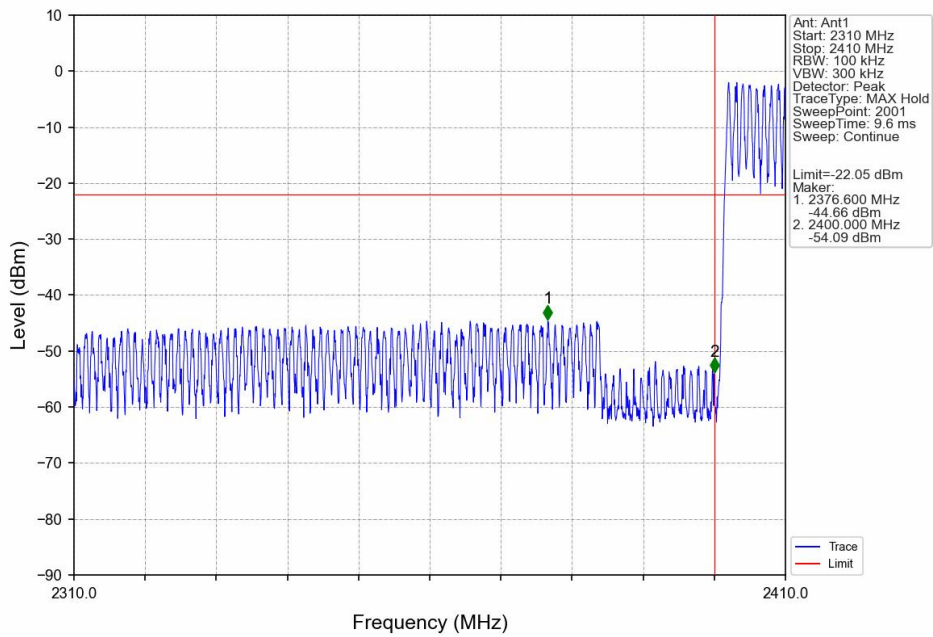


GFSK_DH5_HCH_2480MHz_Ant1_NTNV

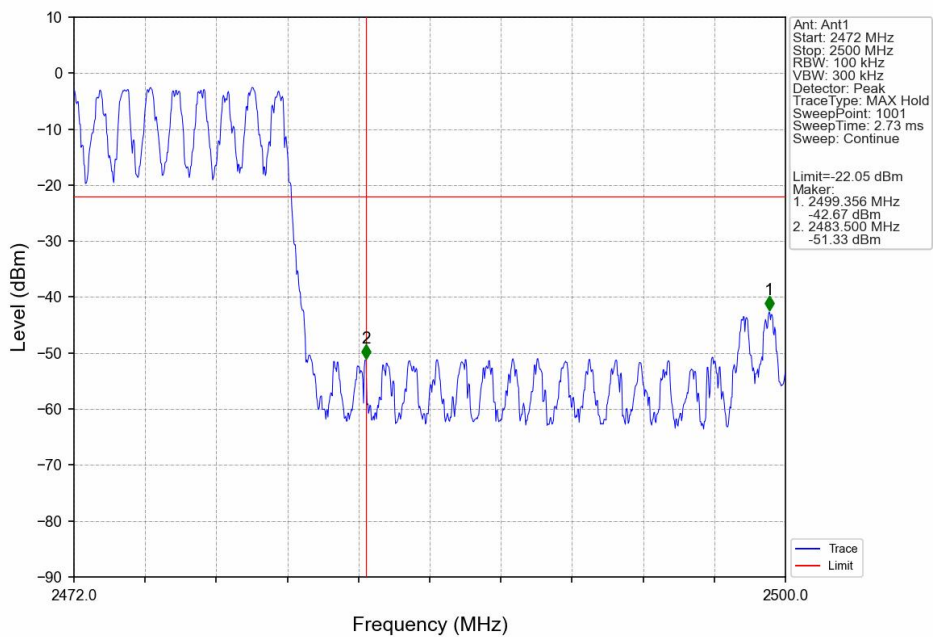




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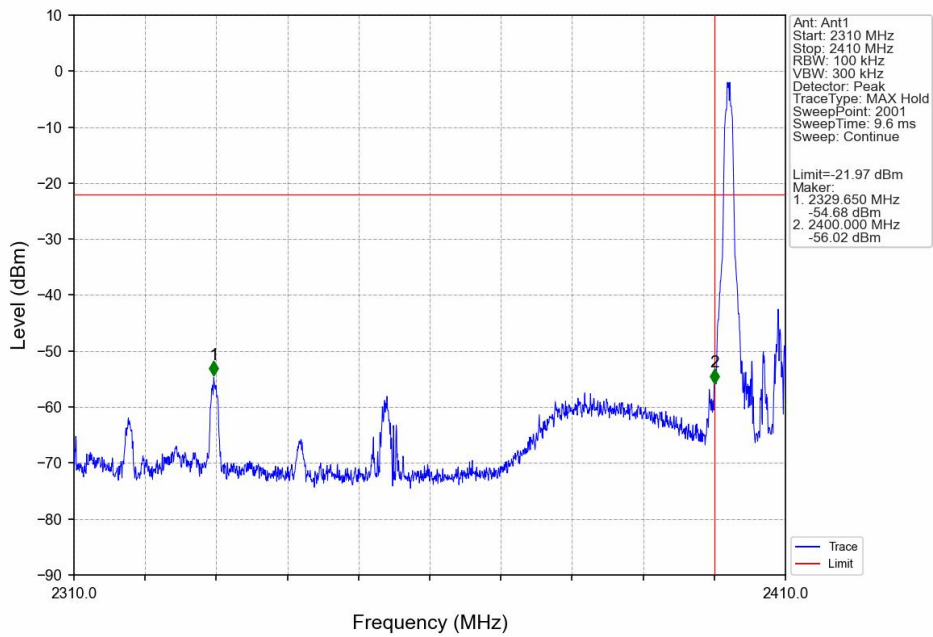


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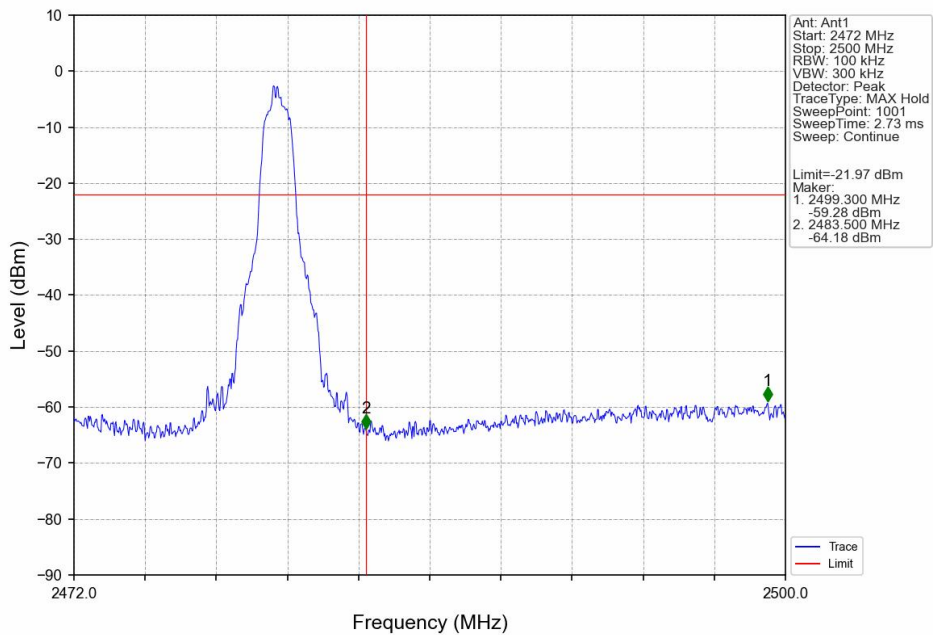




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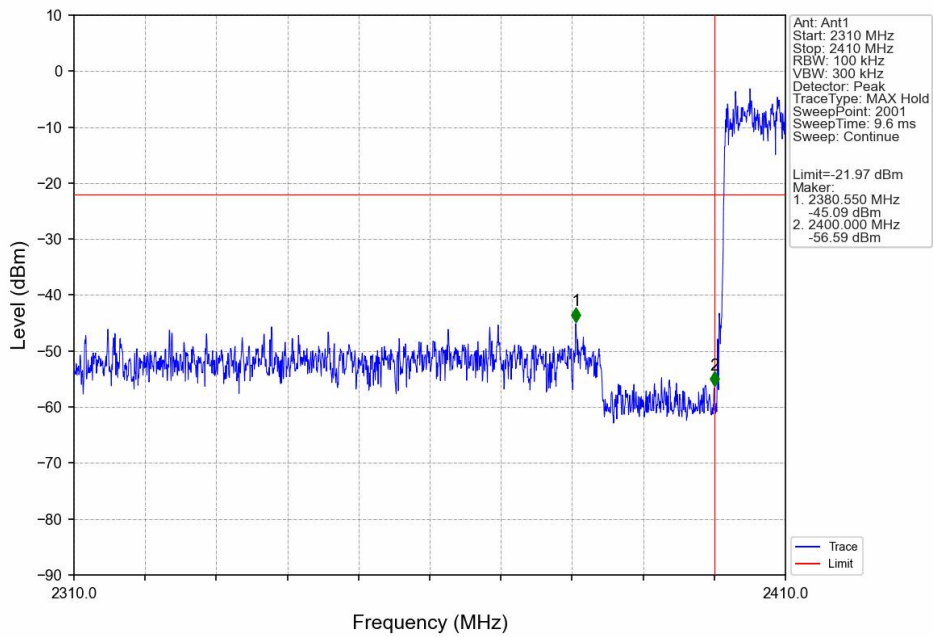


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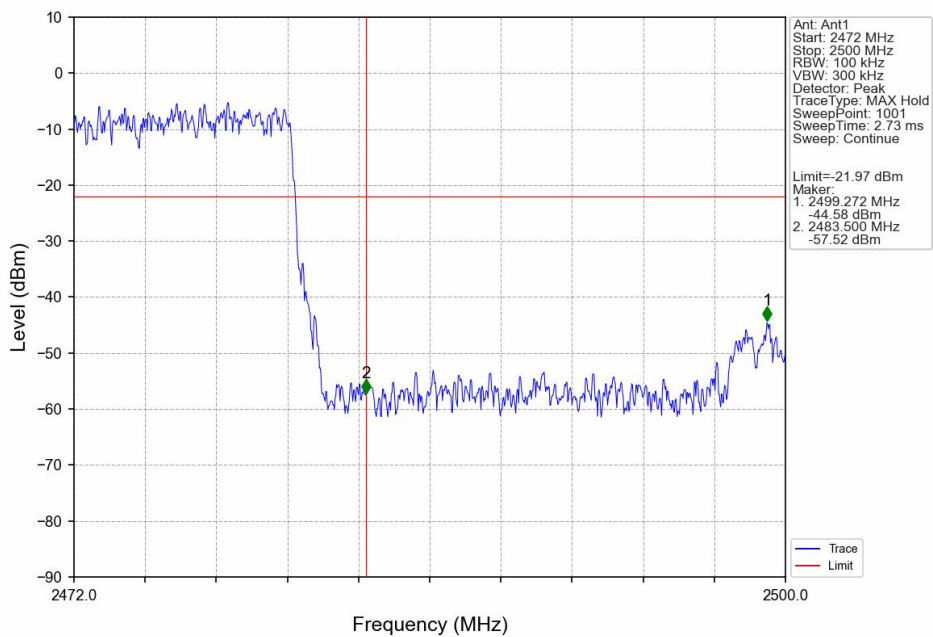




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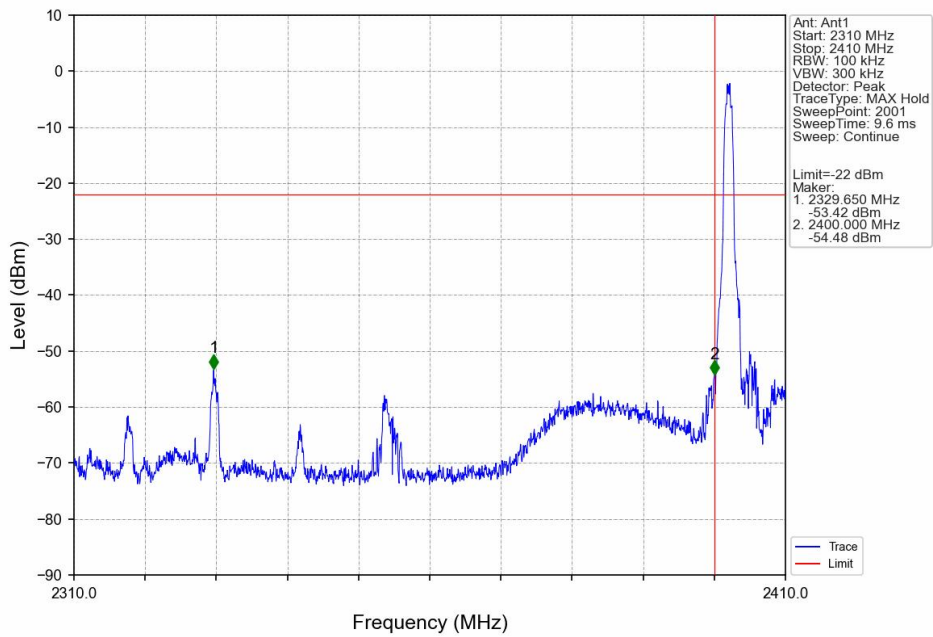


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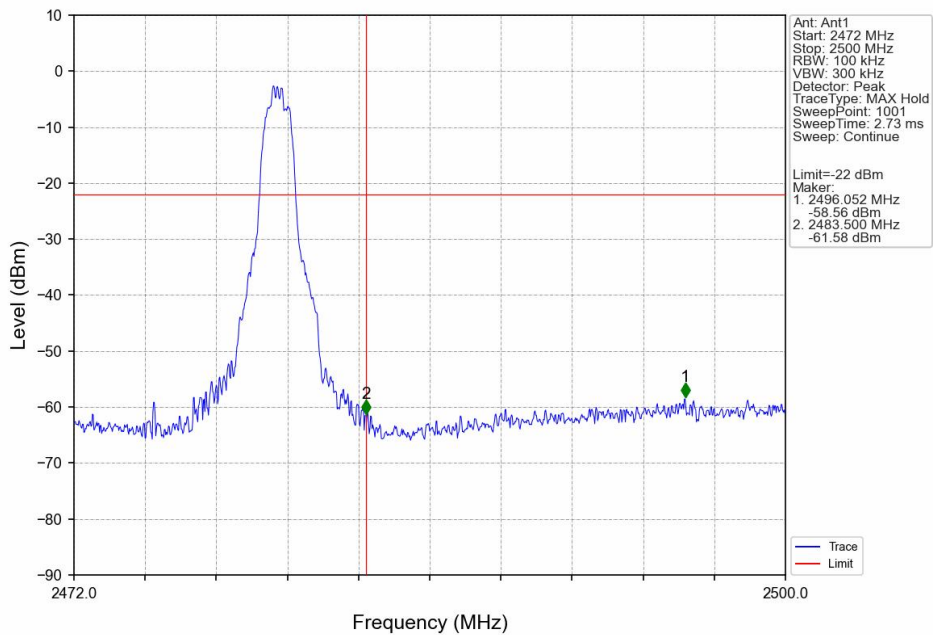




8DPSK_3DH5_LCH_2402MHz_Ant1_NTNV

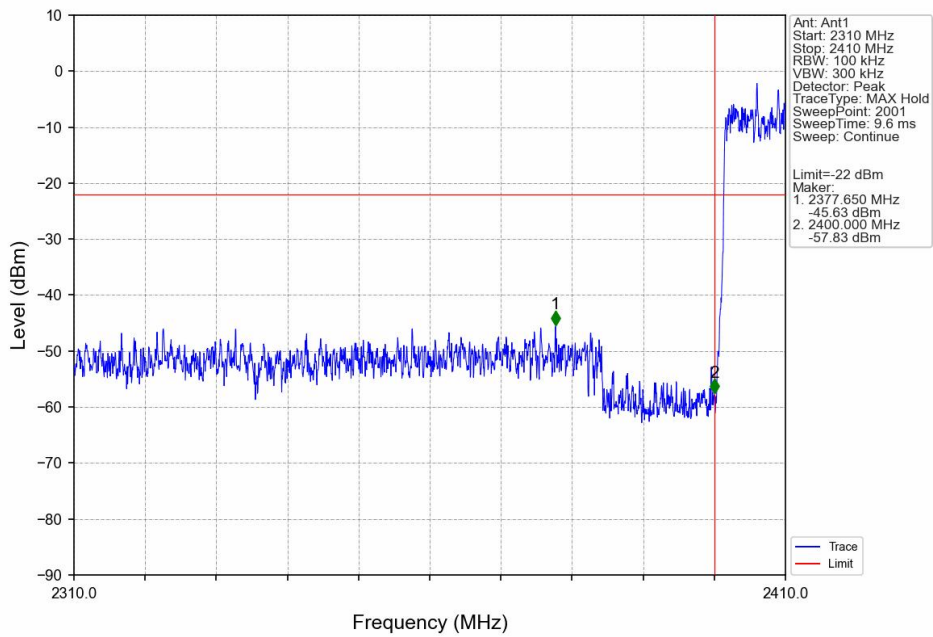


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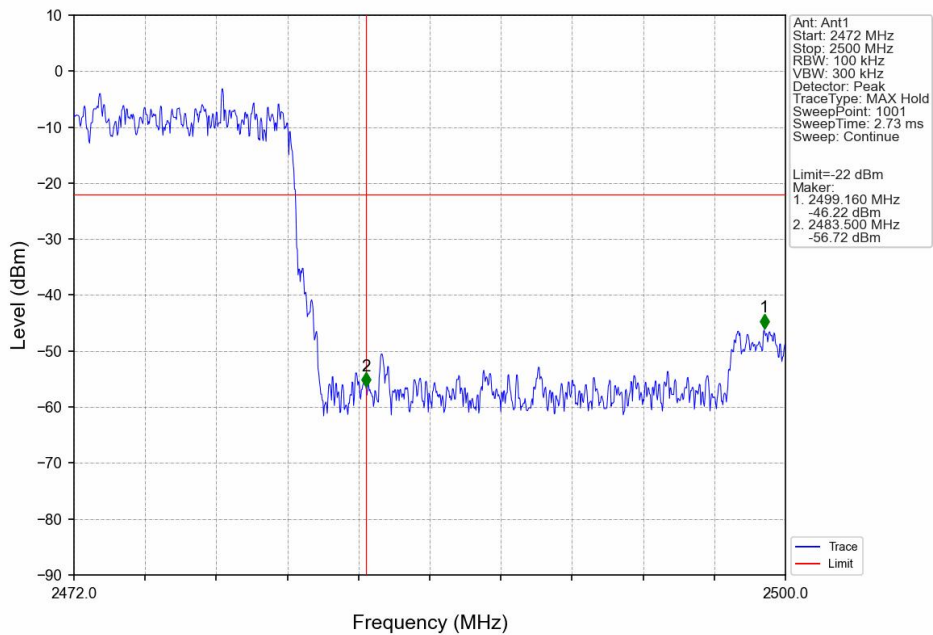




8DPSK_3DH5_HOPP_Ant1_NTNV



8DPSK_3DH5_HOPP_Ant1_NTNV



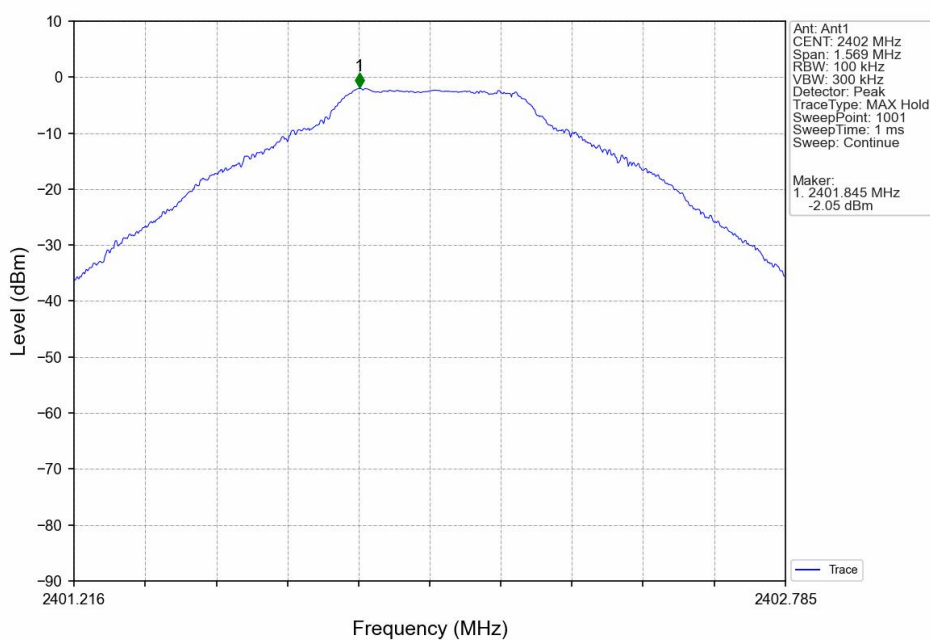


A.7 Conducted RF Spurious Emission

Mode	TX Type	Frequency (MHz)	Packet Type	ANT	Level of Reference (dBm)
GFSK	SISO	2402	DH5	1	-2.05
		2441	DH5	1	-2.12
		2480	DH5	1	-2.68
Pi/4DQPSK	SISO	2402	2DH5	1	-1.97
		2441	2DH5	1	-2.14
		2480	2DH5	1	-2.68
8DPSK	SISO	2402	3DH5	1	-2.00
		2441	3DH5	1	-2.11
		2480	3DH5	1	-2.68

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.

GFSK_DH5_LCH_2402MHz_Ant1_NTNV



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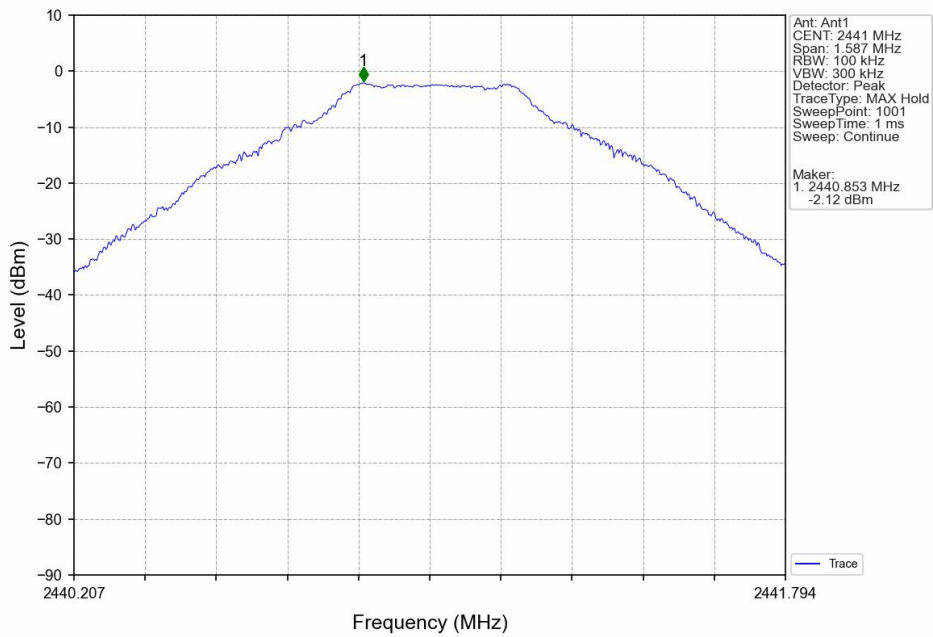
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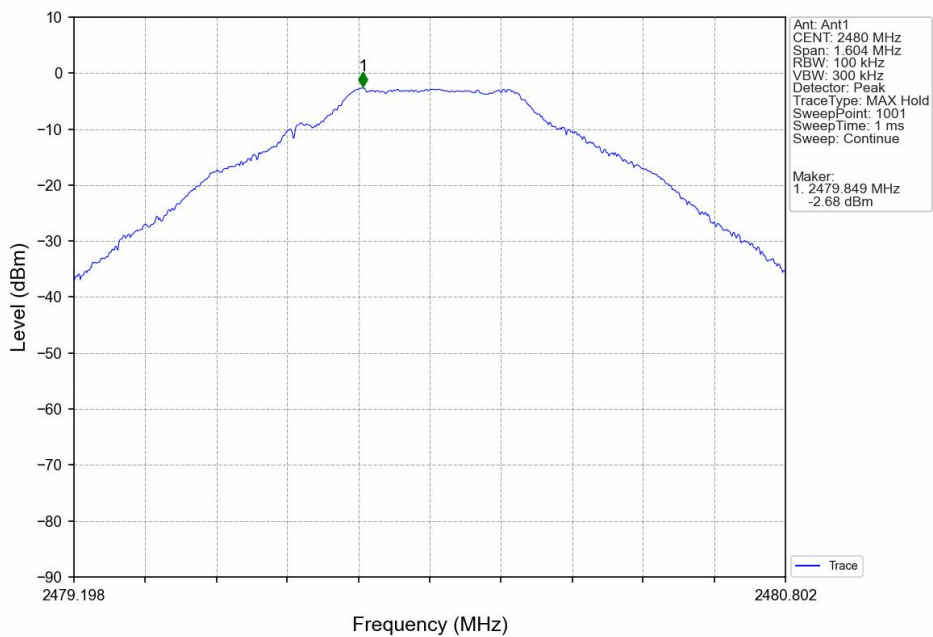
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GFSK_DH5_MCH_2441MHz_Ant1_NTNV

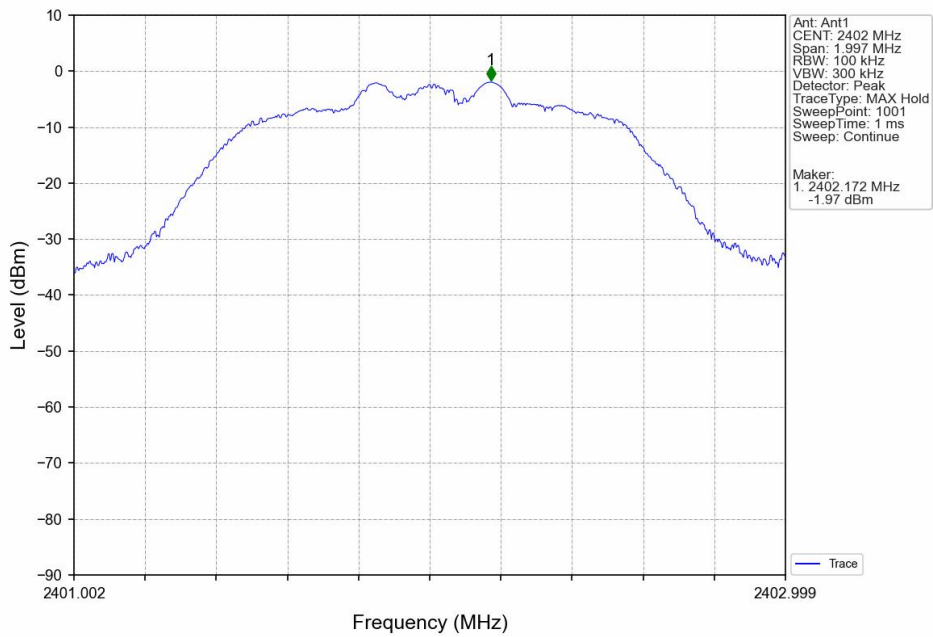


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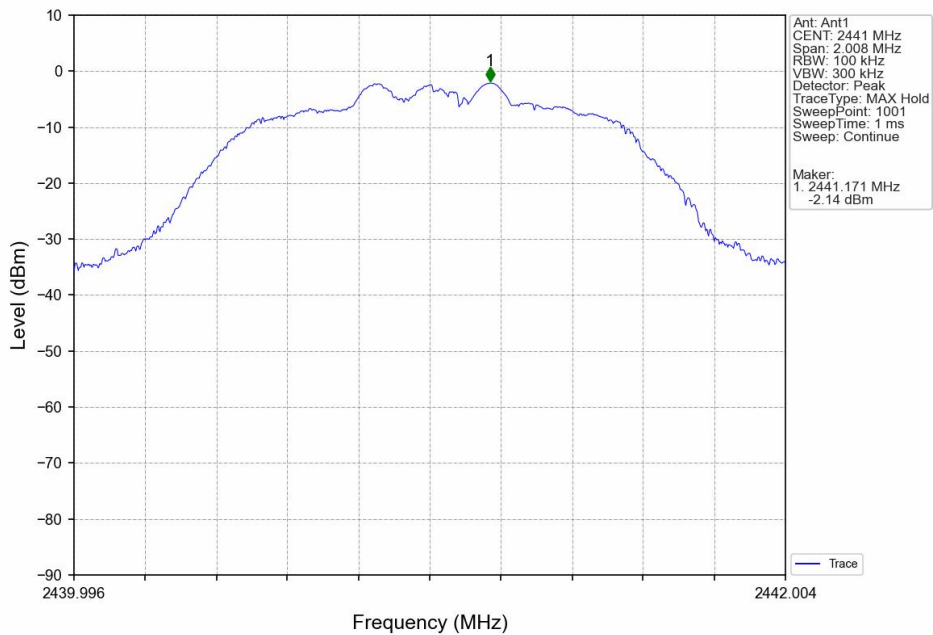




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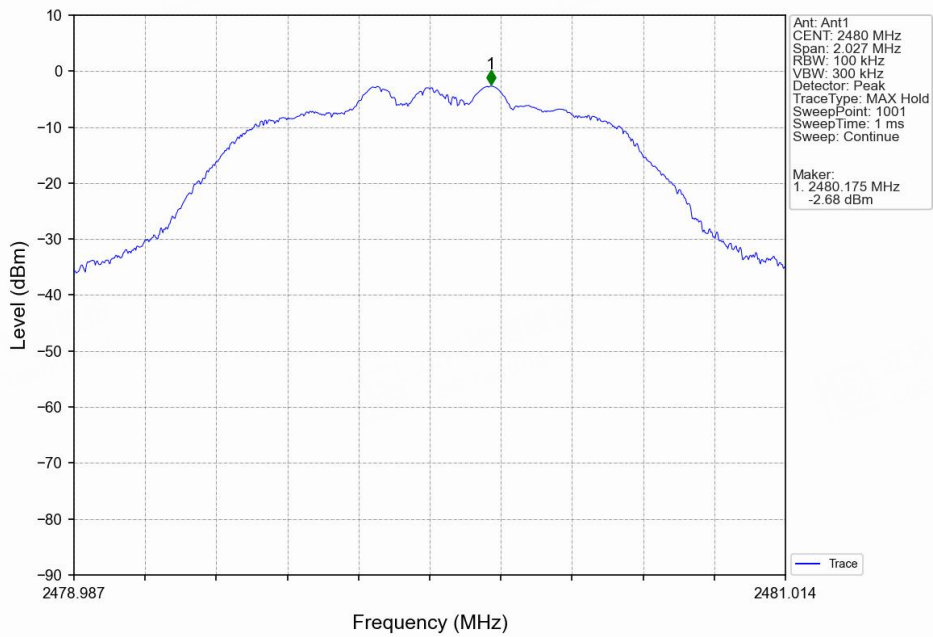


Pi/4DQPSK_2DH5_MCH_2441MHz_Ant1_NTNV

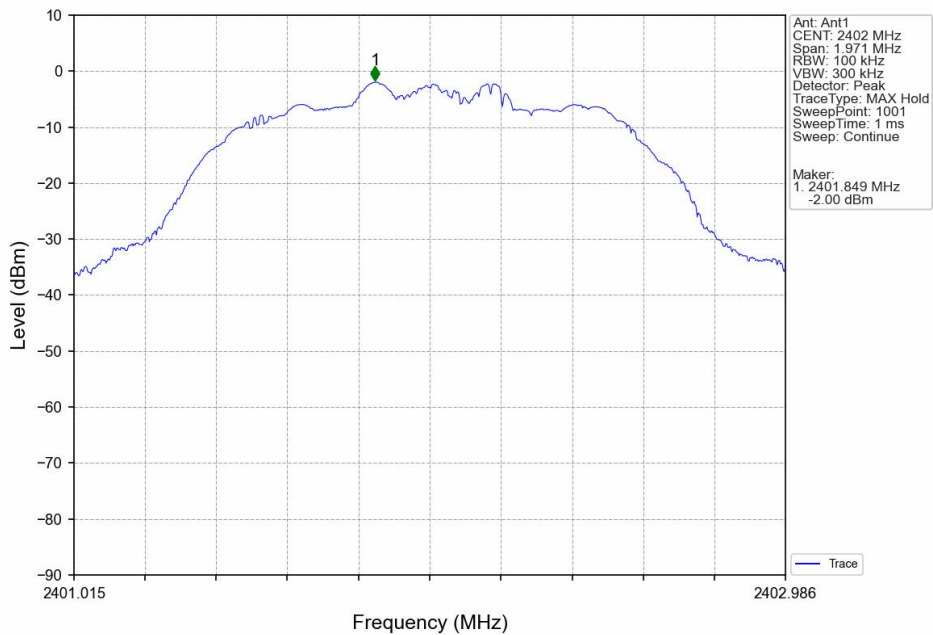




Pi/4DQPSK_2DH5_HCH_2480MHz_Ant1_NTNV

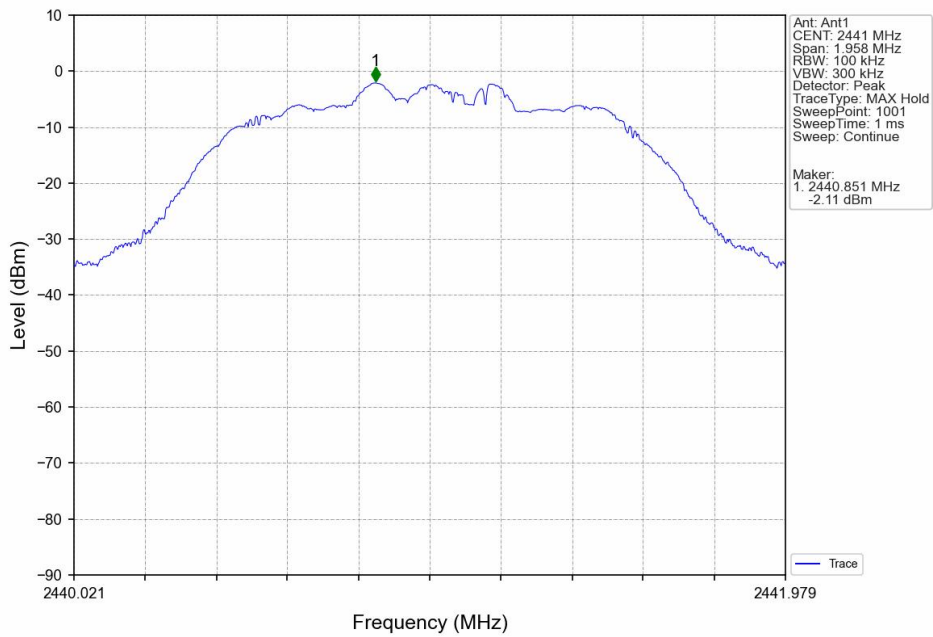


8DPSK_3DH5_LCH_2402MHz_Ant1_NTNV

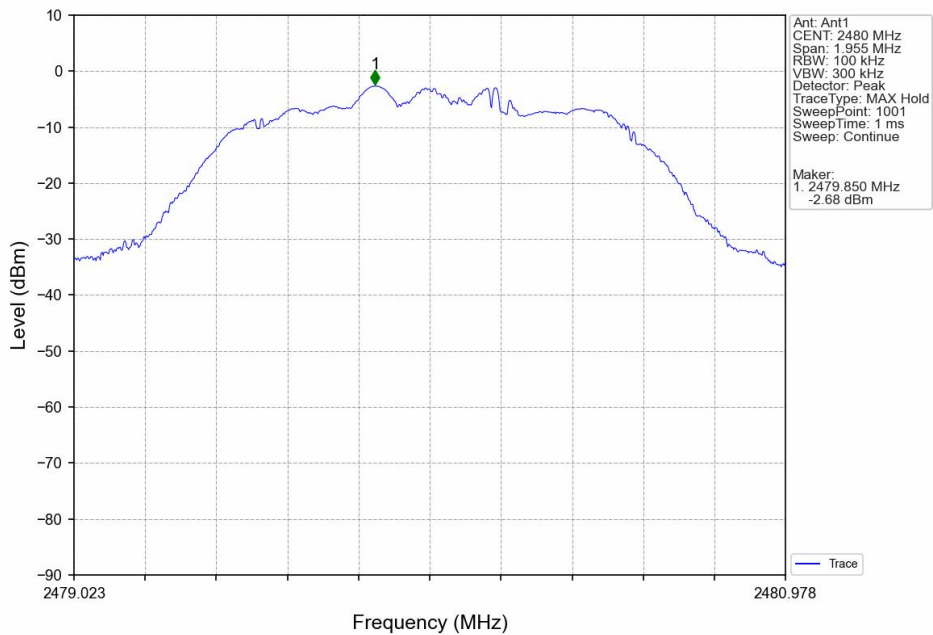




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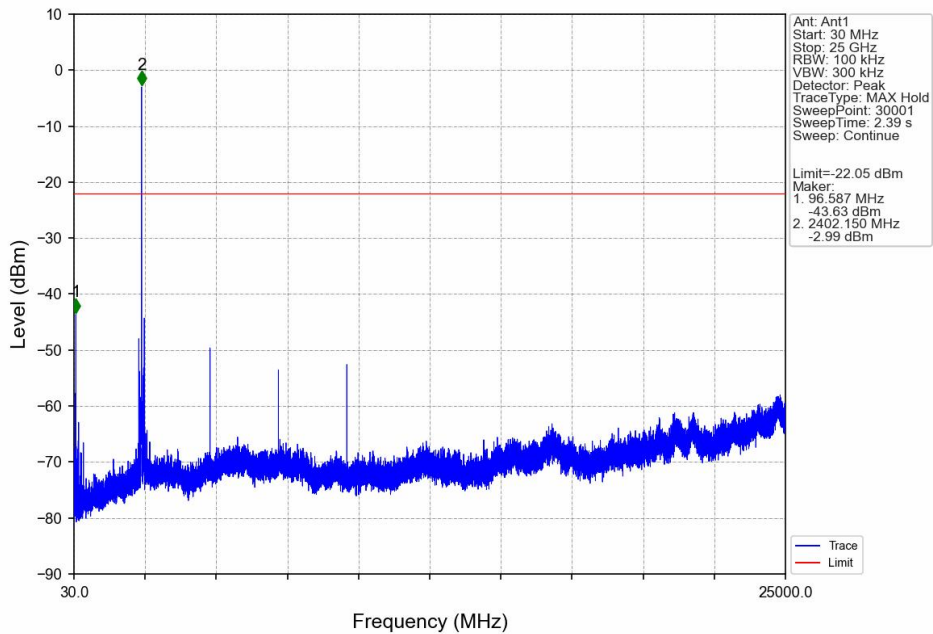


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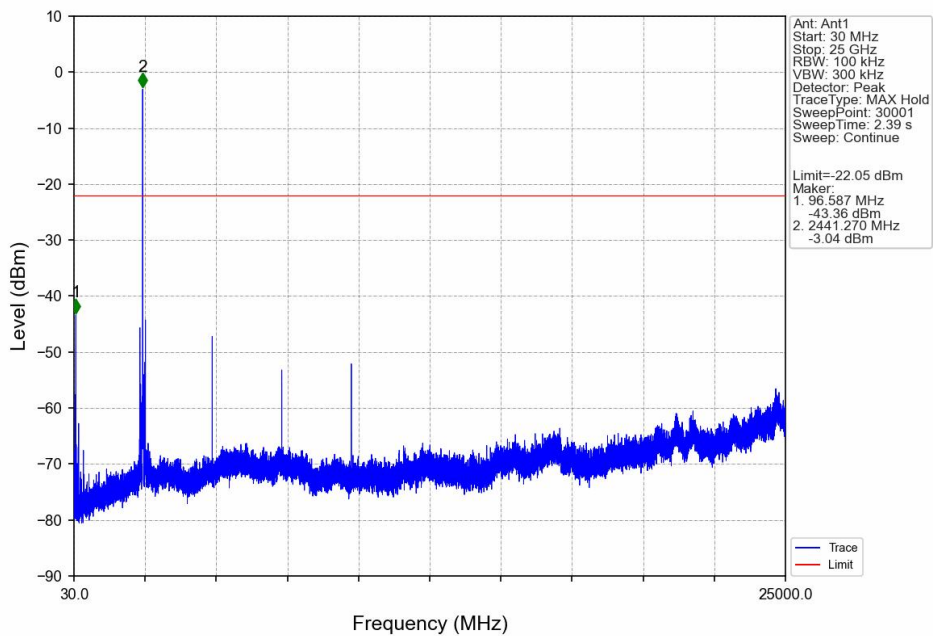




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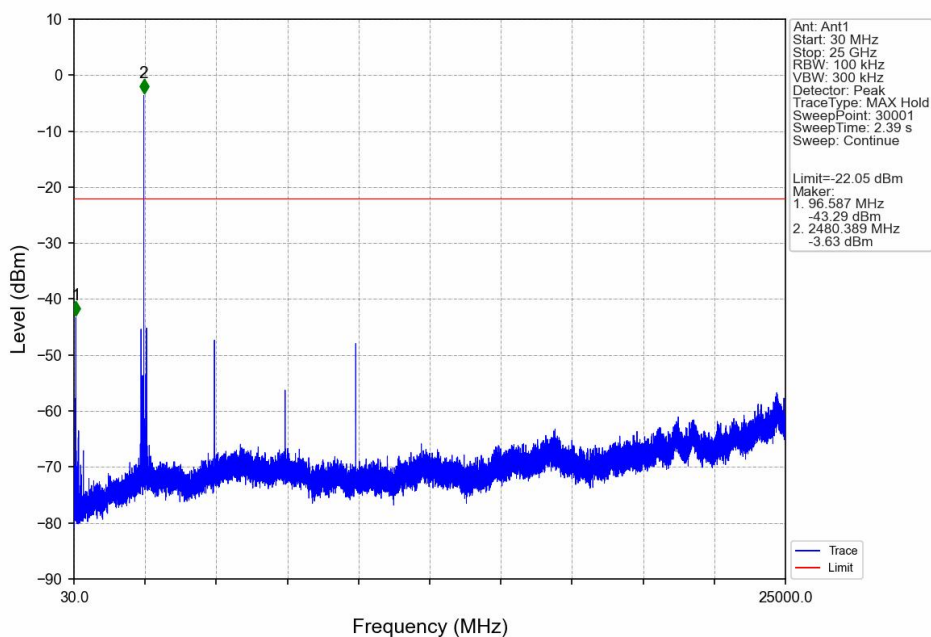


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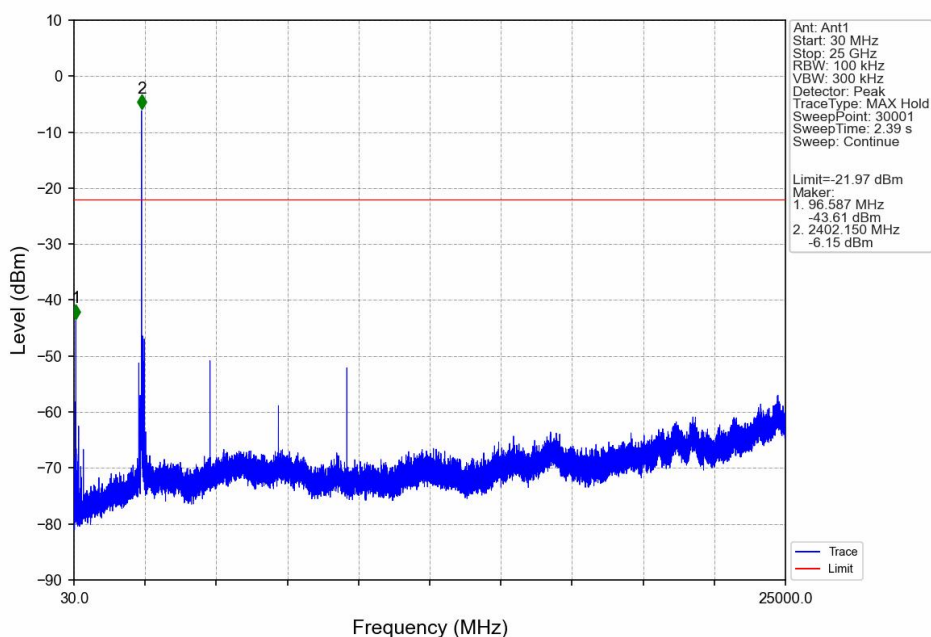




GFSK_DH5_HCH_2480MHz_Ant1_NTNV



Pi/4DQPSK_2DH5_LCH_2402MHz_Ant1_NTNV



Shenzhen LCS Compliance Testing Laboratory Ltd.

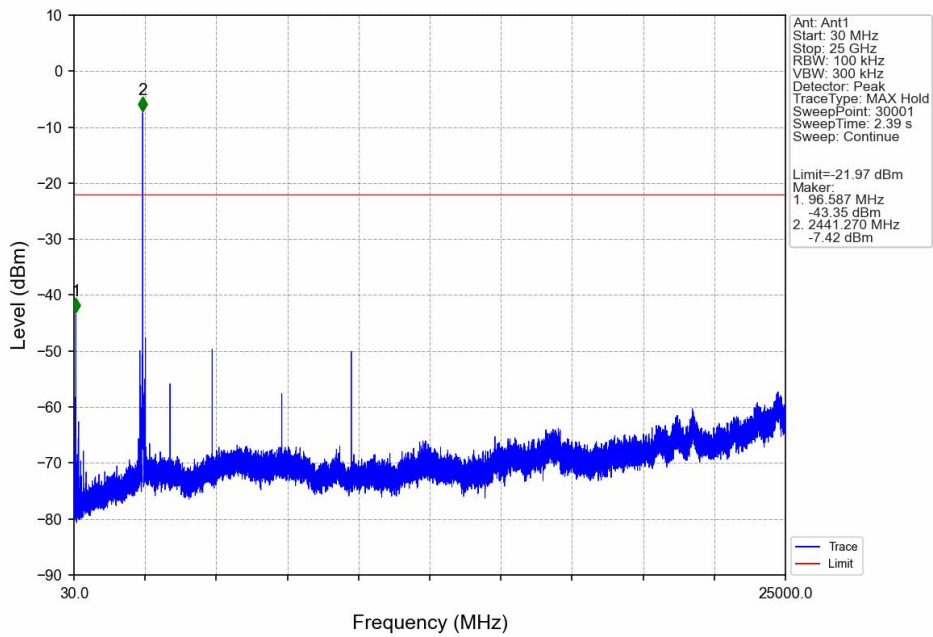
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