



Appendix A

RF Test Data for BT (Conducted Measurement)

Product Name: LAWK City AI Glasses

Test Model: Lawk City

Environmental Conditions

Temperature:	24.1°C
Relative Humidity:	52.7%
ATM Pressure:	100.0 kPa
Test Engineer:	Andre Tan
Supervised by:	Nick Peng





A.1 -20dB Bandwidth

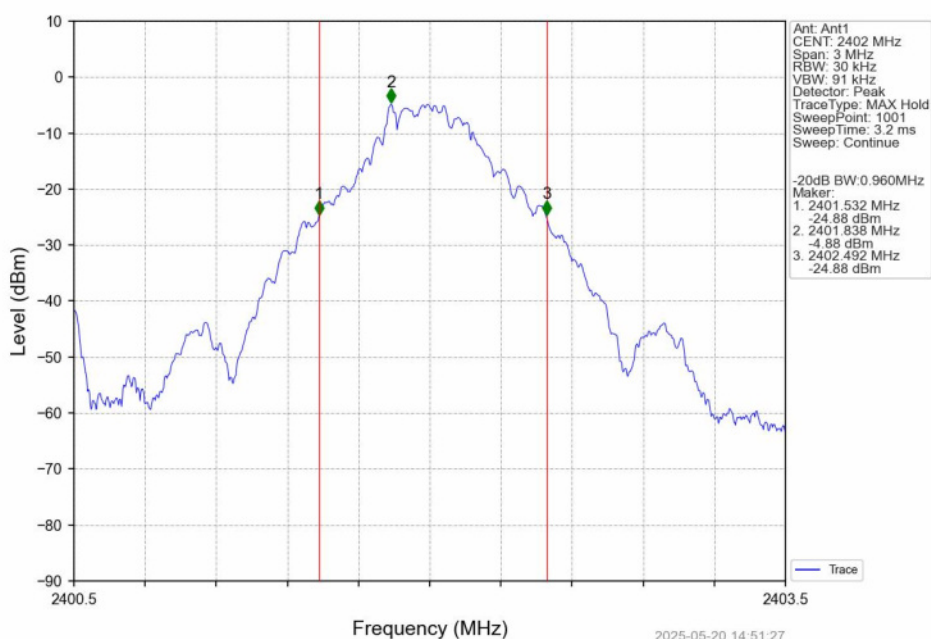
Left eye:

Mode	TX Type	Frequency (MHz)	Packet Type	ANT	20dB Bandwidth (MHz)		Verdict
					Result	Limit	
GFSK	SISO	2402	DH5	1	0.960	/	Pass
		2441	DH5	1	0.959	/	Pass
		2480	DH5	1	0.960	/	Pass
Pi/4DQPSK	SISO	2402	2DH5	1	1.285	/	Pass
		2441	2DH5	1	1.287	/	Pass
		2480	2DH5	1	1.287	/	Pass
8DPSK	SISO	2402	3DH5	1	1.306	/	Pass
		2441	3DH5	1	1.307	/	Pass
		2480	3DH5	1	1.308	/	Pass

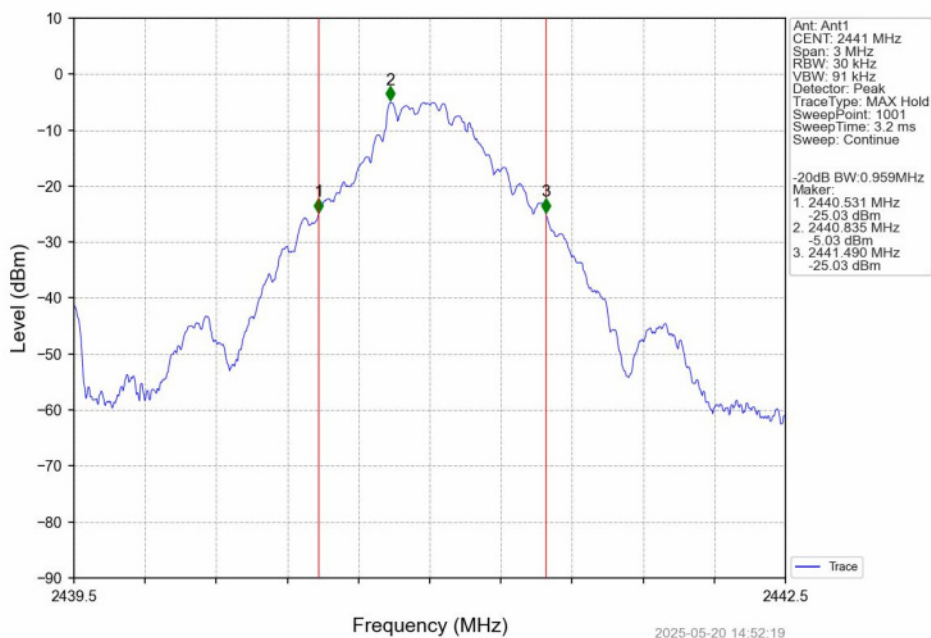




GFSK_DH5_LCH_2402MHz_Ant1_NTNV

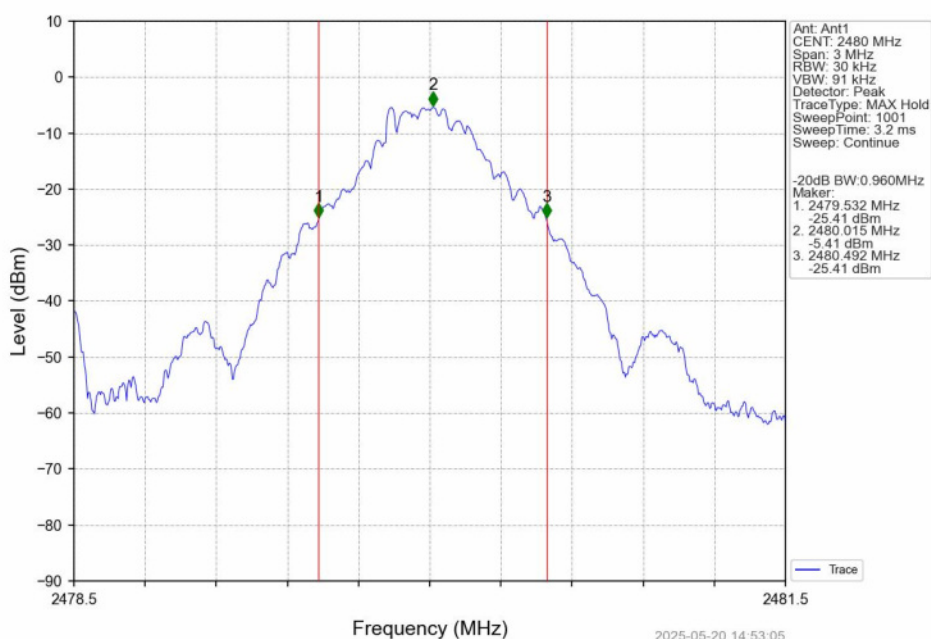


GFSK_DH5_MCH_2441MHz_Ant1_NTNV

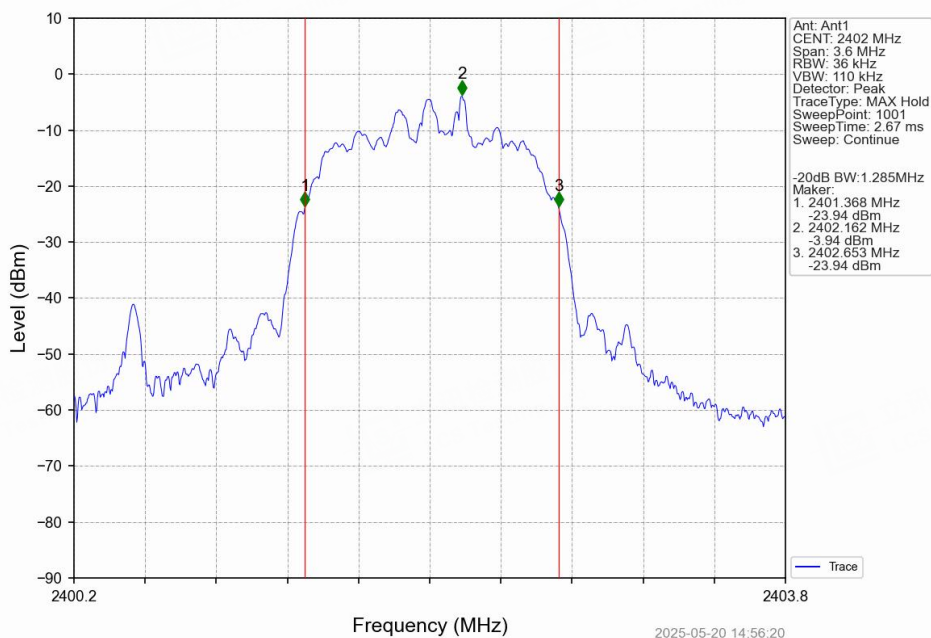




GFSK_DH5_HCH_2480MHz_Ant1_NTNV



Pi/4DQPSK_2DH5_LCH_2402MHz_Ant1_NTNV



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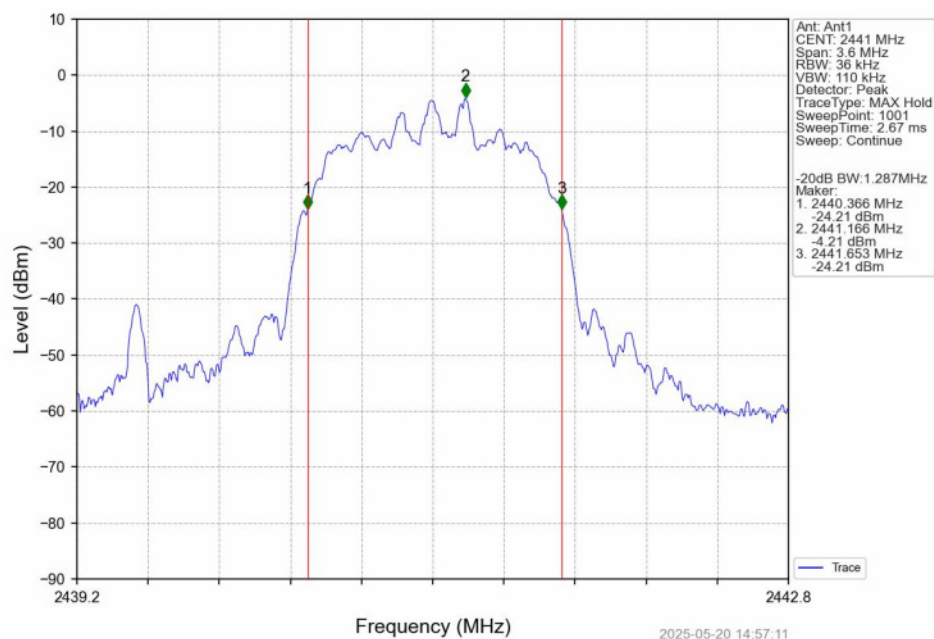
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Tel: +(86) 0755-82591330 | E-mail: webmaster@lcs-cert.com | Web: www.lcs-cert.com

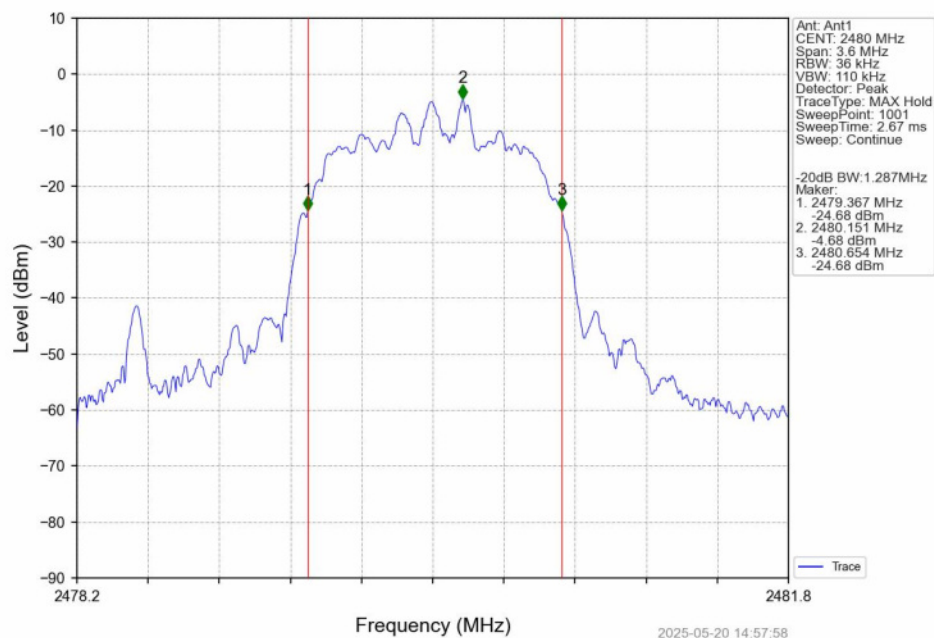
Scan code to check authenticity



Pi/4DQPSK_2DH5_MCH_2441MHz_Ant1_NTNV

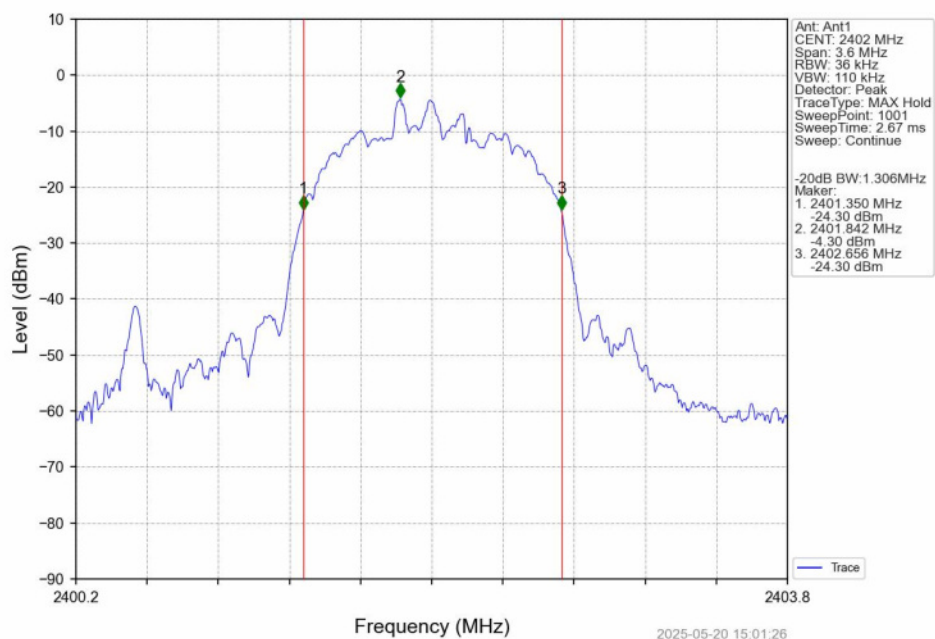


Pi/4DQPSK_2DH5_HCH_2480MHz_Ant1_NTNV

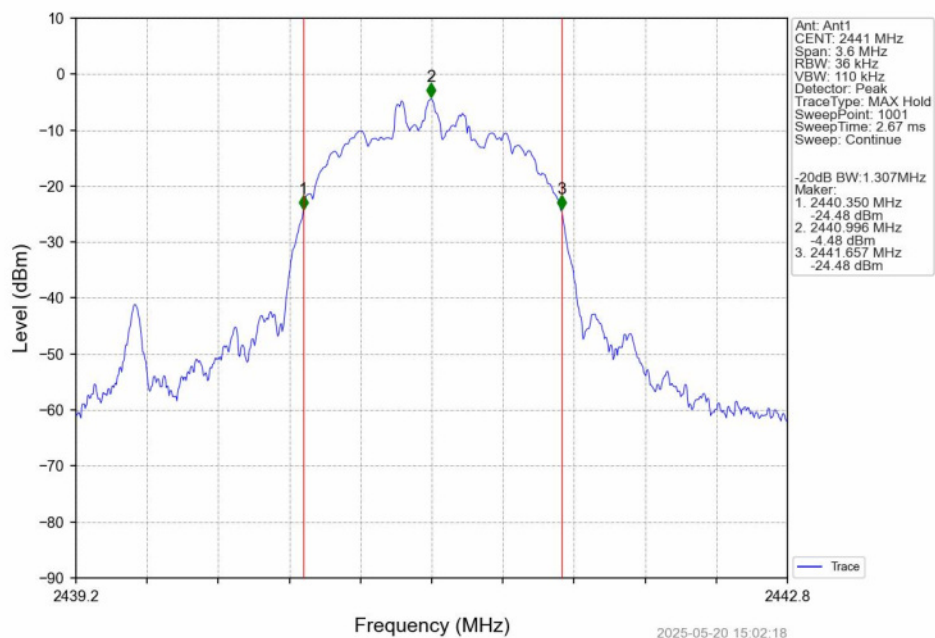


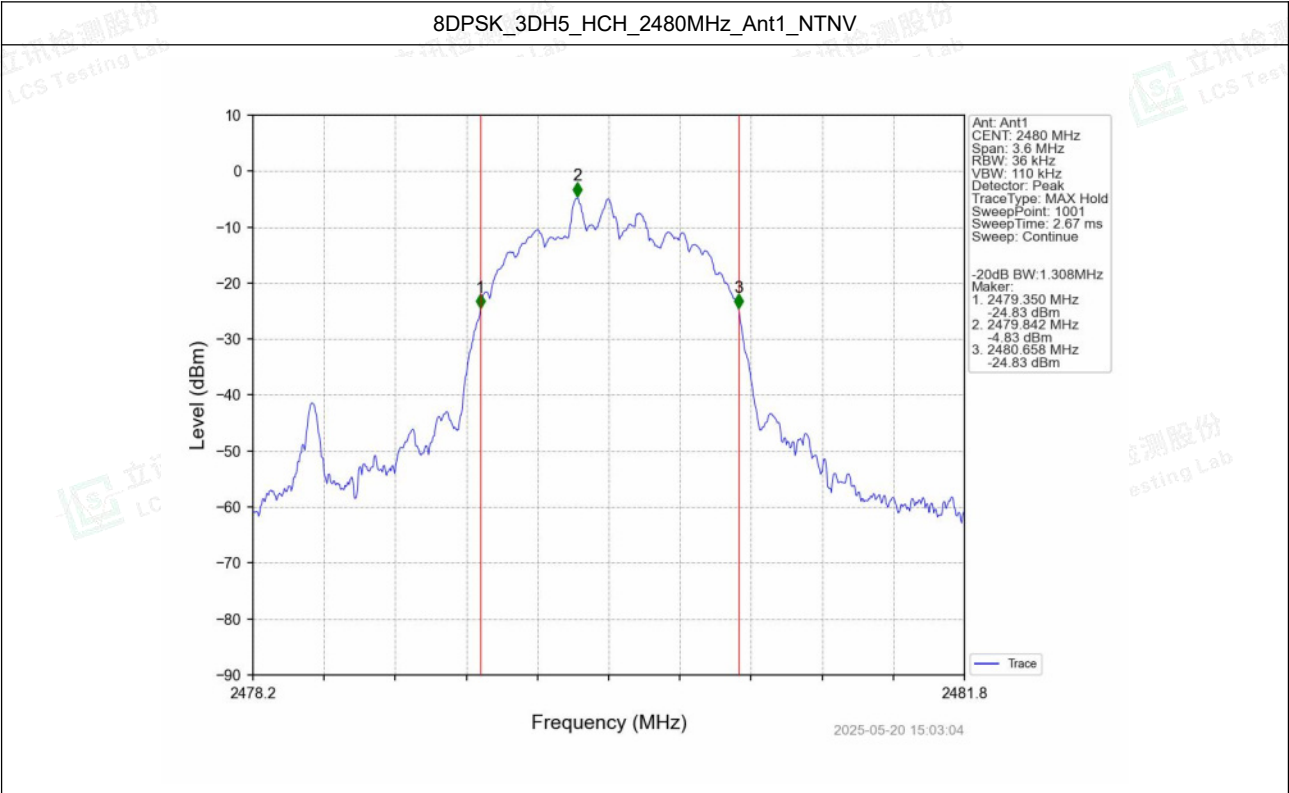


8DPSK_3DH5_LCH_2402MHz_Ant1_NTNV



8DPSK_3DH5_MCH_2441MHz_Ant1_NTNV





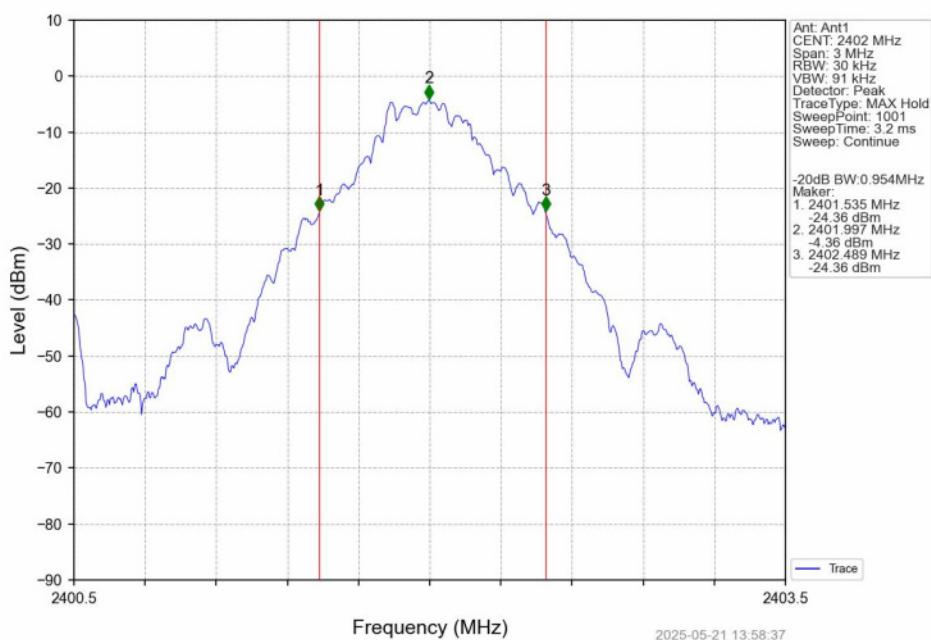
Right eye:

Mode	TX Type	Frequency (MHz)	Packet Type	ANT	20dB Bandwidth (MHz)		Verdict
					Result	Limit	
GFSK	SISO	2402	DH5	1	0.954	/	Pass
		2441	DH5	1	0.956	/	Pass
		2480	DH5	1	0.954	/	Pass
Pi/4DQPSK	SISO	2402	2DH5	1	1.280	/	Pass
		2441	2DH5	1	1.283	/	Pass
		2480	2DH5	1	1.281	/	Pass
8DPSK	SISO	2402	3DH5	1	1.307	/	Pass
		2441	3DH5	1	1.307	/	Pass
		2480	3DH5	1	1.307	/	Pass

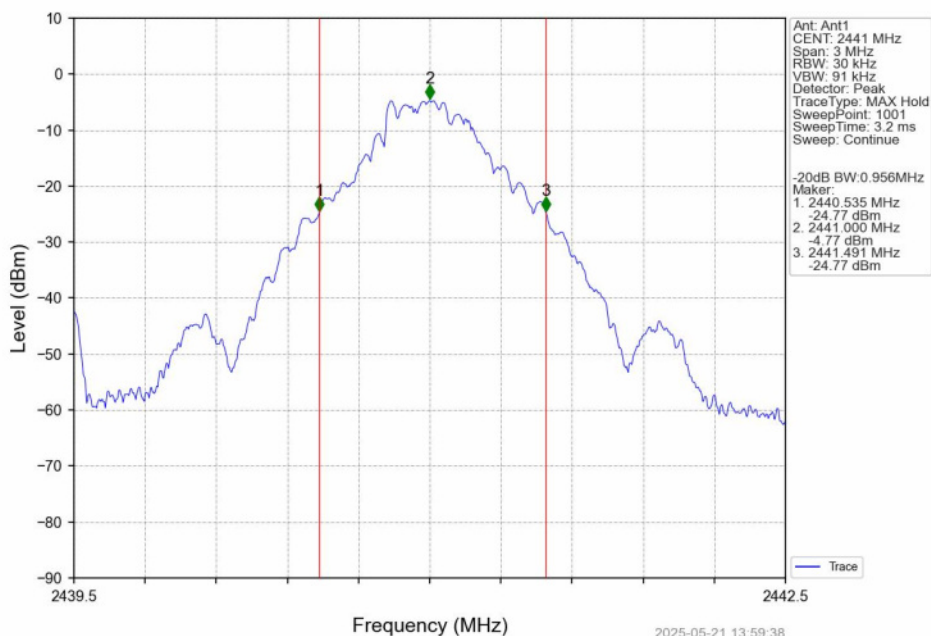




GFSK_DH5_LCH_2402MHz_Ant1_NTNV

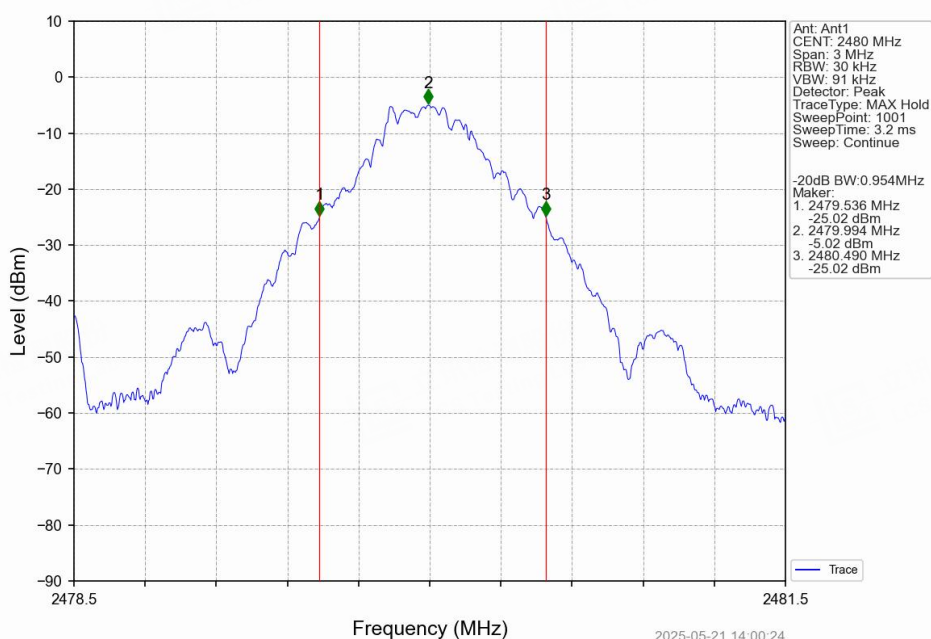


GFSK_DH5_MCH_2441MHz_Ant1_NTNV

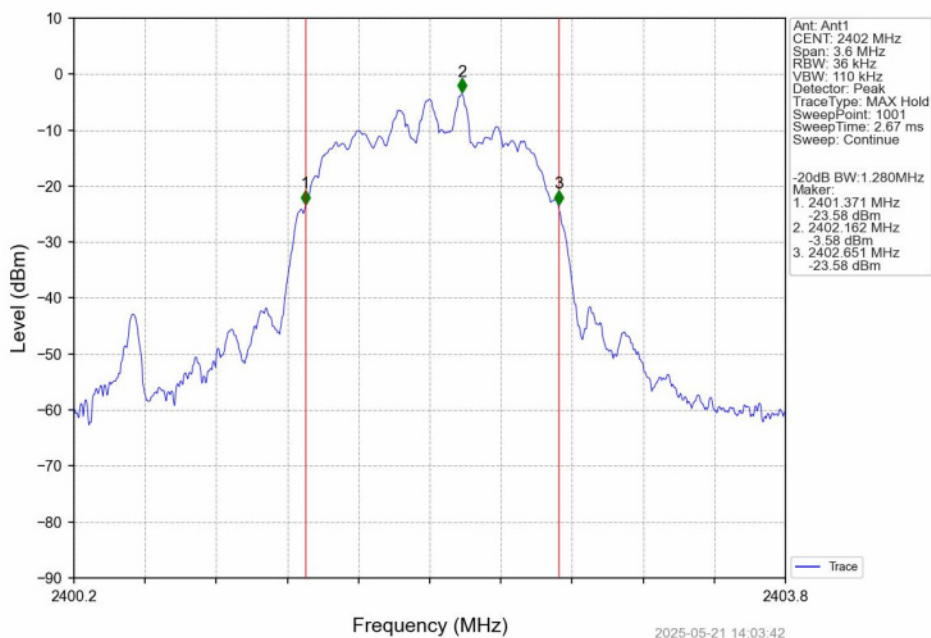




GFSK_DH5_HCH_2480MHz_Ant1_NTNV

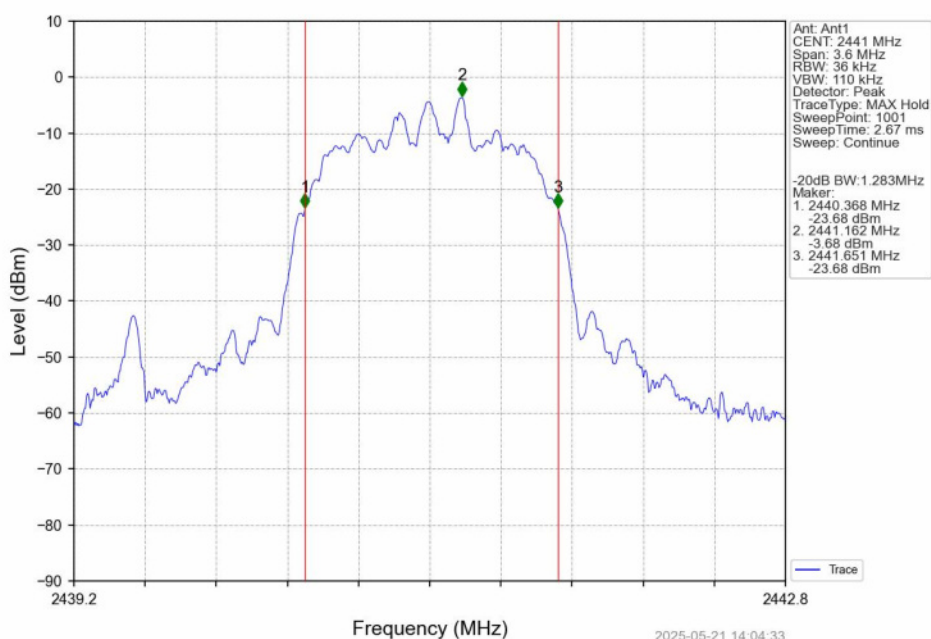


Pi/4DQPSK_2DH5_LCH_2402MHz_Ant1_NTNV

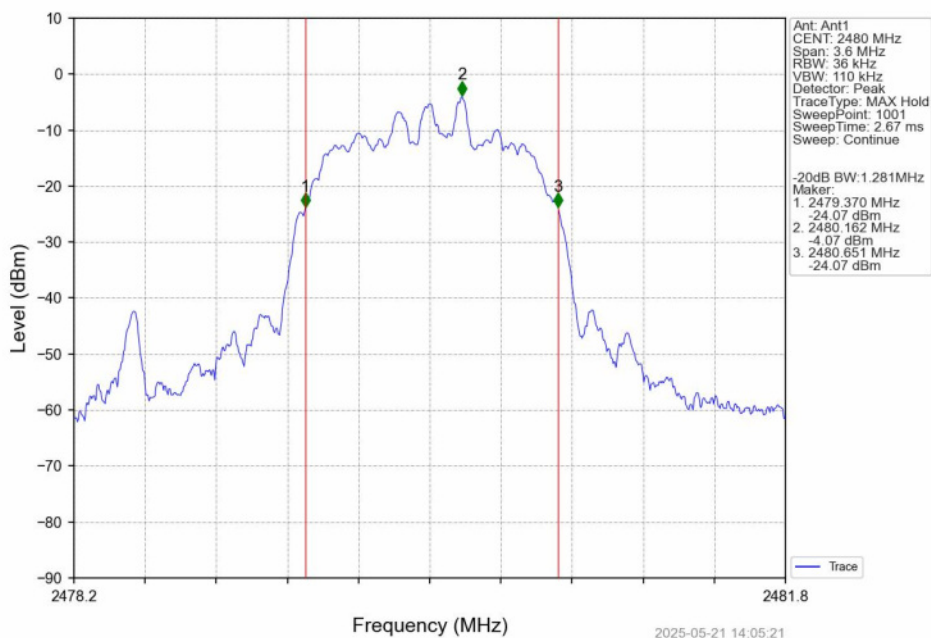




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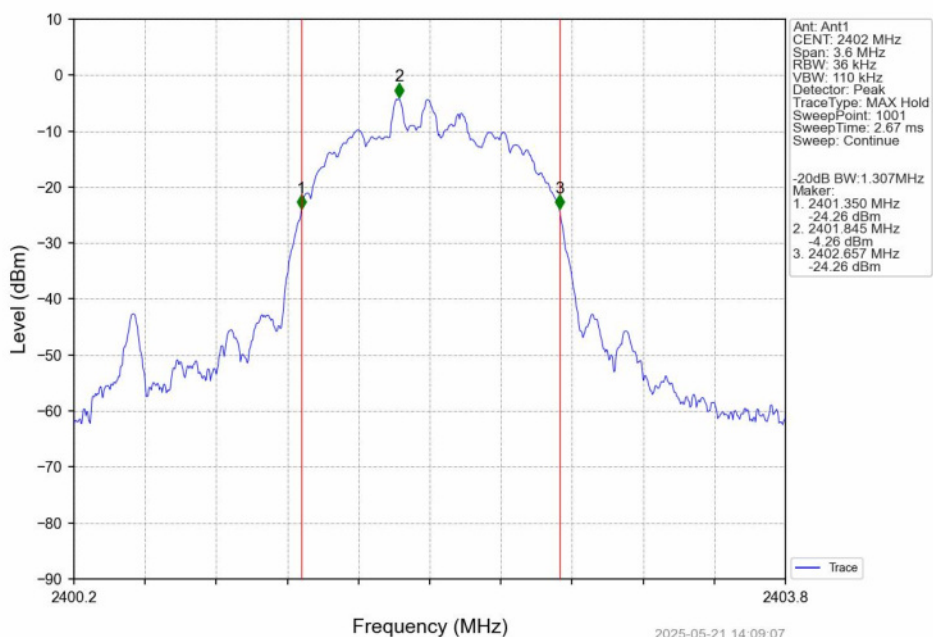


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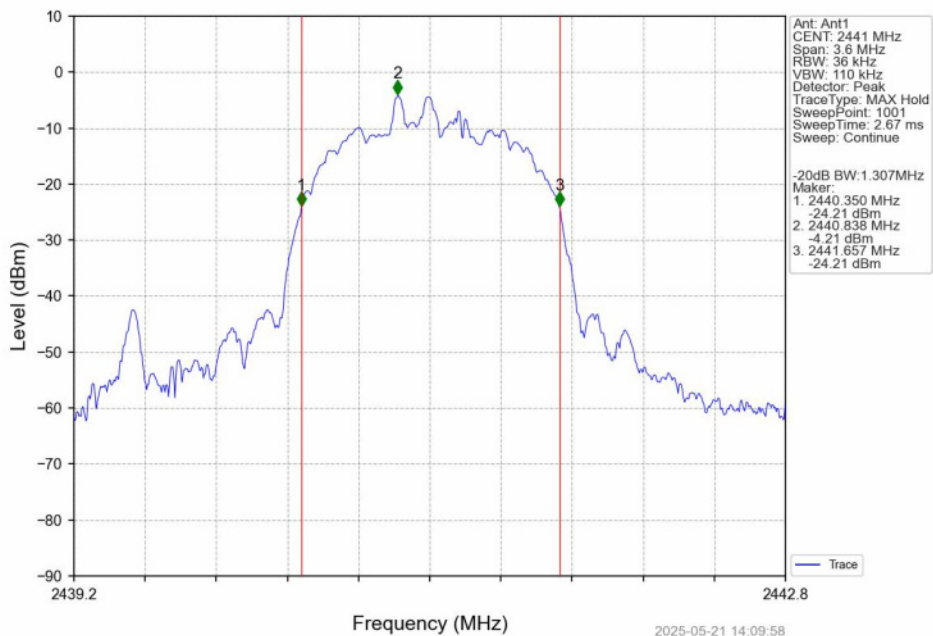


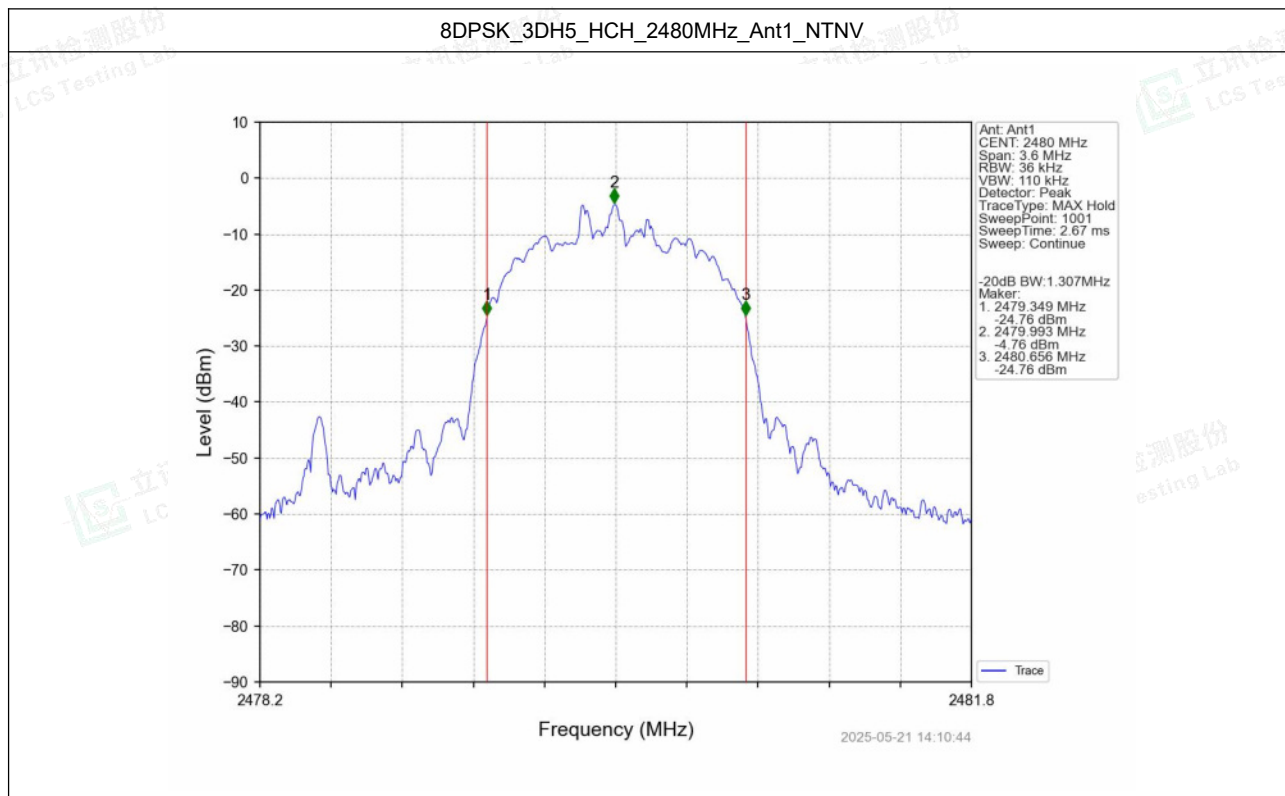


8DPSK_3DH5_LCH_2402MHz_Ant1_NTNV



8DPSK_3DH5_MCH_2441MHz_Ant1_NTNV







A.2 Maximum Peak Conducted Output Power

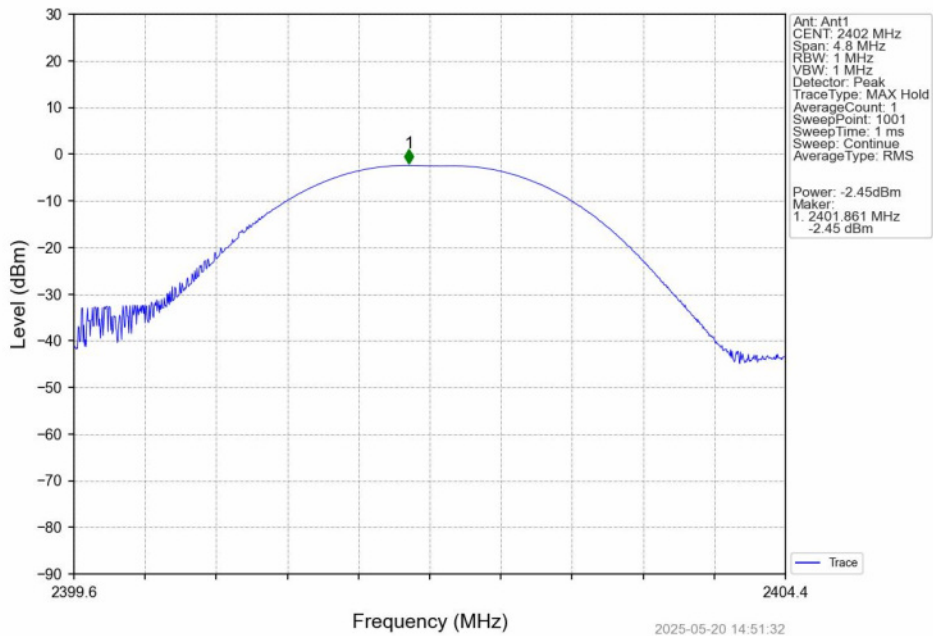
Left eye:

Mode	TX Type	Frequency (MHz)	Packet Type	Maximum Peak Conducted Output Power (dBm)		Verdict
				ANT1	Limit	
GFSK	SISO	2402	DH5	-2.45	<=30	Pass
		2441	DH5	-2.55	<=30	Pass
		2480	DH5	-2.96	<=30	Pass
Pi/4DQPSK	SISO	2402	2DH5	-1.47	<=20.97	Pass
		2441	2DH5	-1.58	<=20.97	Pass
		2480	2DH5	-2.00	<=20.97	Pass
8DPSK	SISO	2402	3DH5	-1.09	<=20.97	Pass
		2441	3DH5	-1.20	<=20.97	Pass
		2480	3DH5	-1.63	<=20.97	Pass

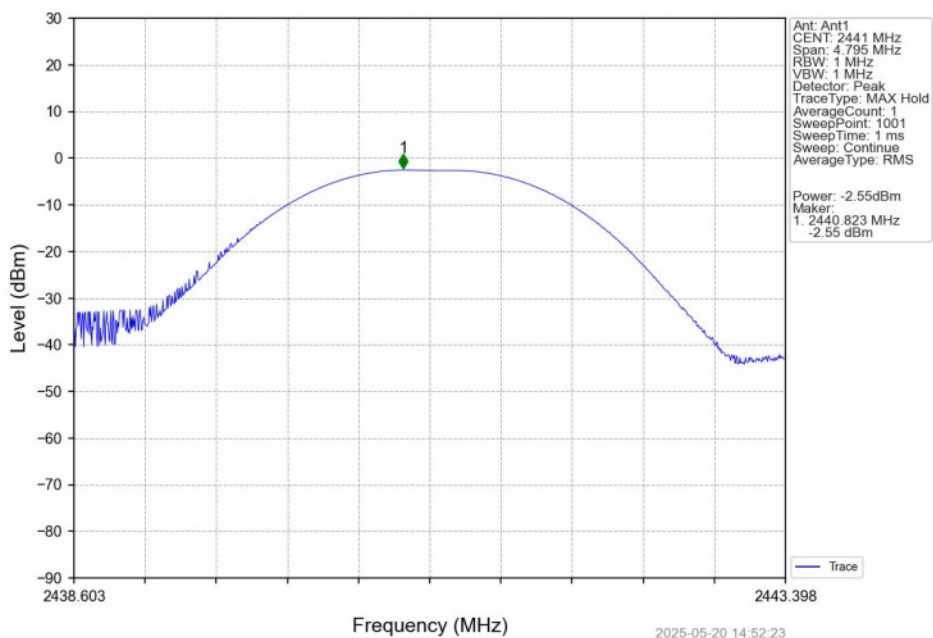




GFSK_DH5_LCH_2402MHz_Ant1_NTNV

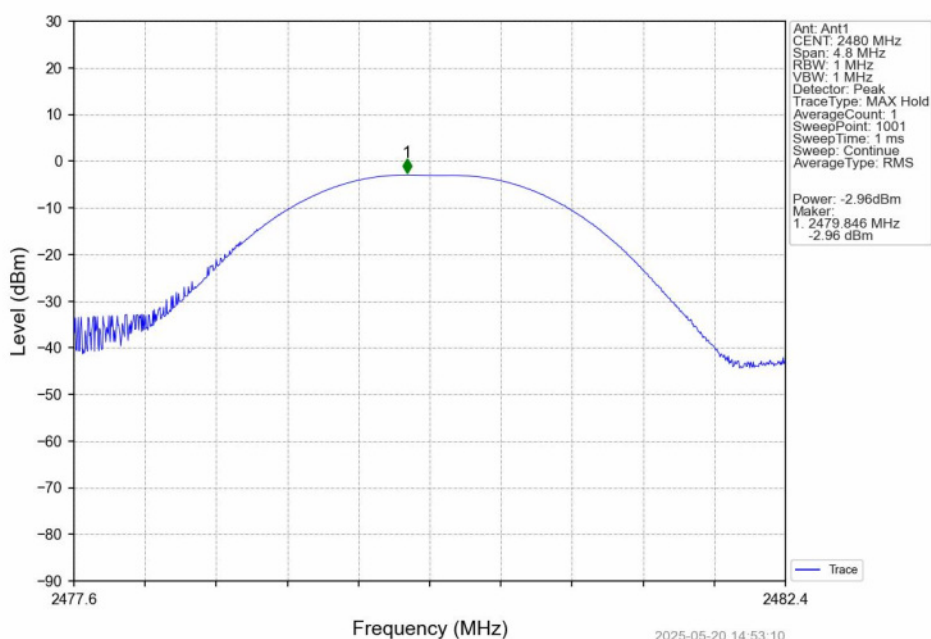


GFSK_DH5_MCH_2441MHz_Ant1_NTNV

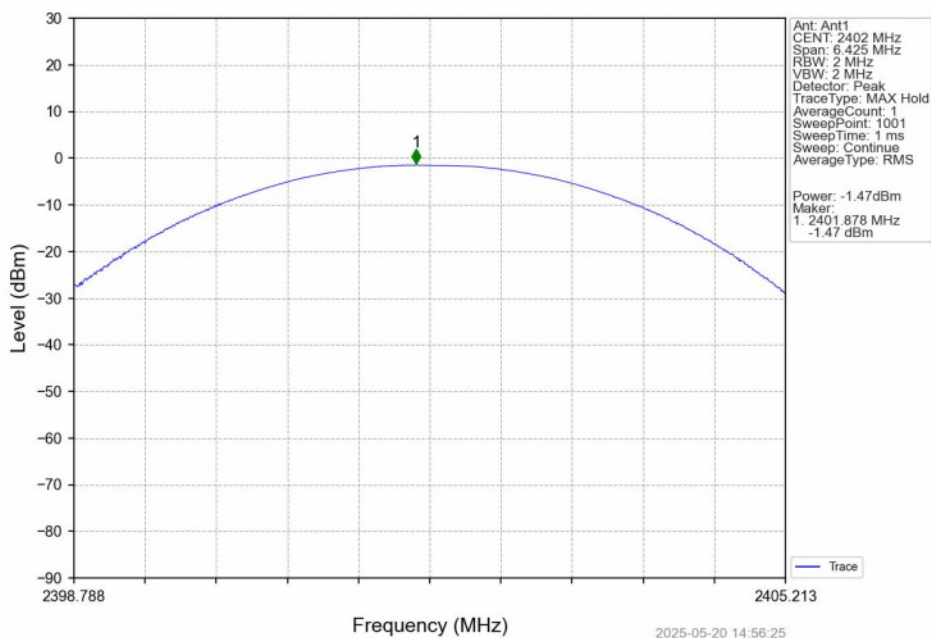




GFSK_DH5_HCH_2480MHz_Ant1_NTNV

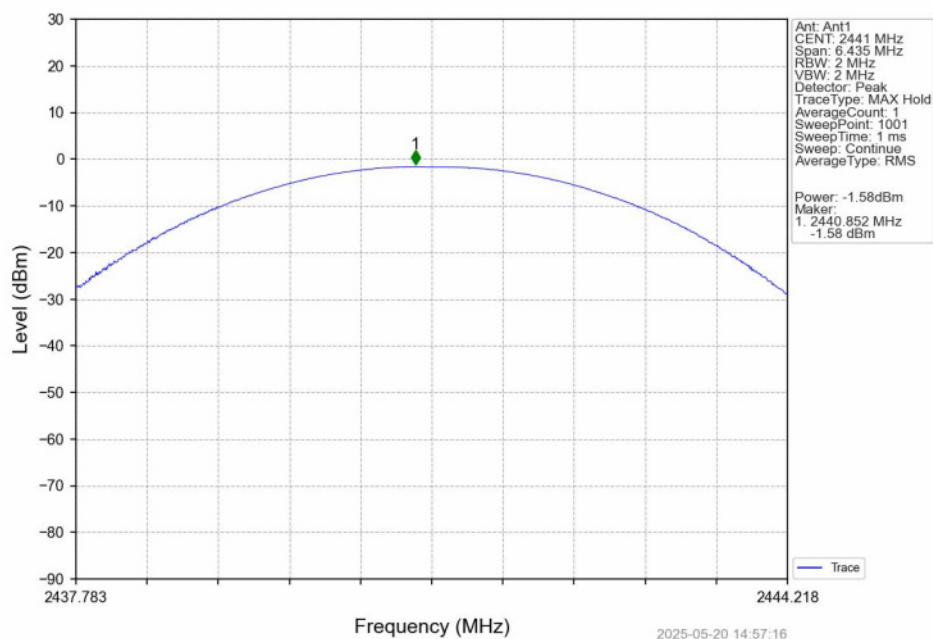


Pi/4DQPSK_2DH5_LCH_2402MHz_Ant1_NTNV

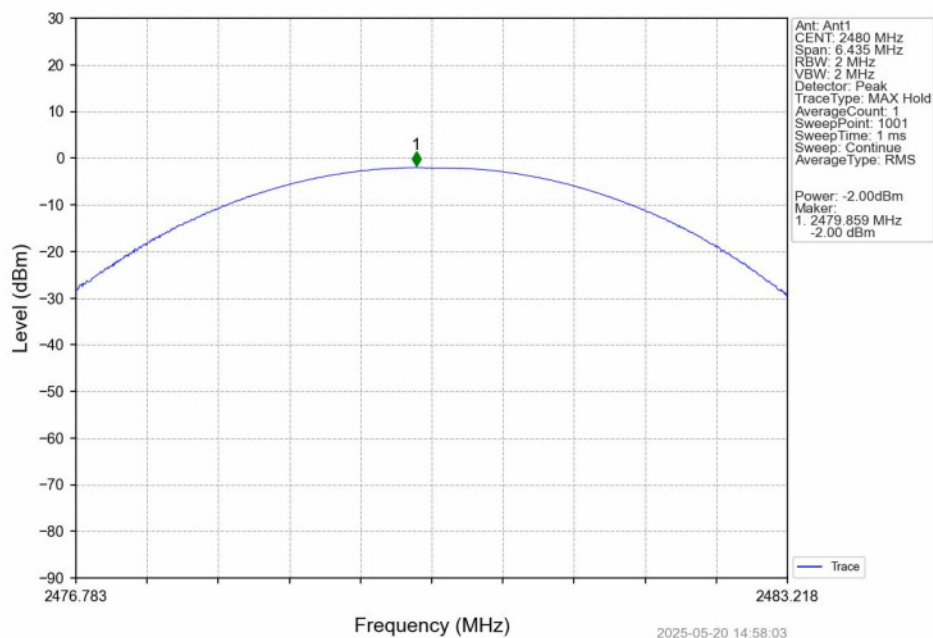




Pi/4DQPSK_2DH5_MCH_2441MHz_Ant1_NTNV

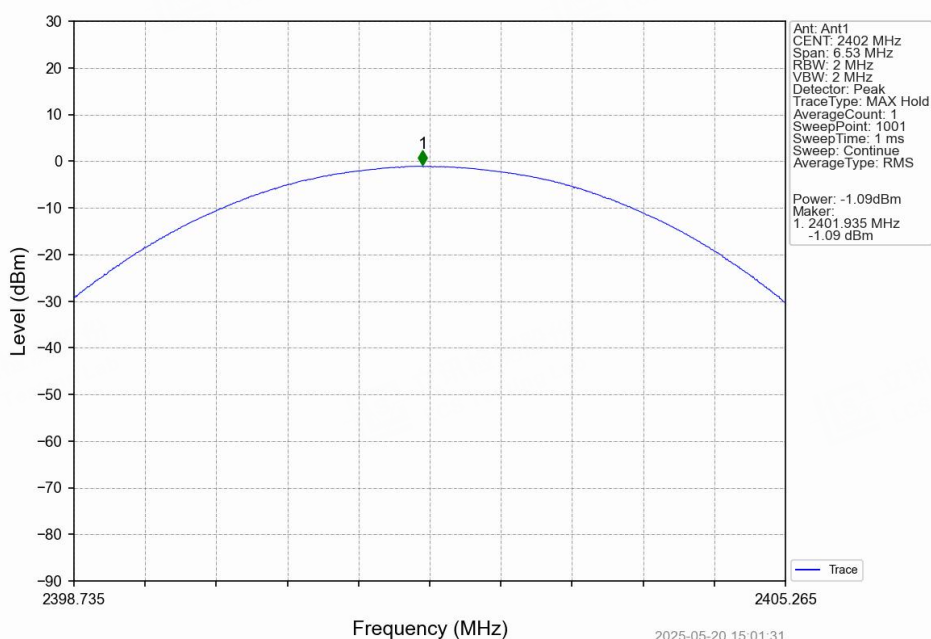


Pi/4DQPSK_2DH5_HCH_2480MHz_Ant1_NTNV

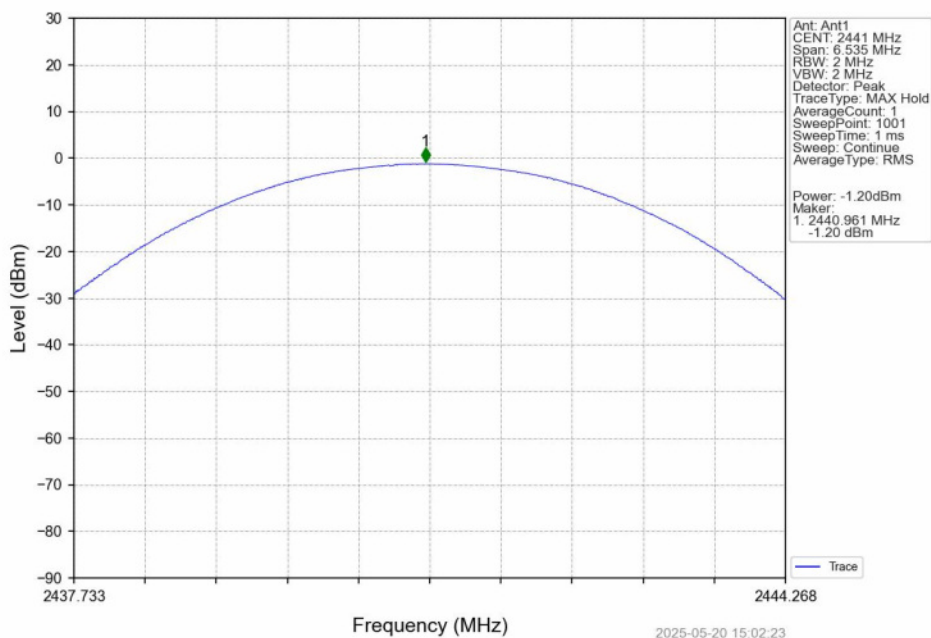


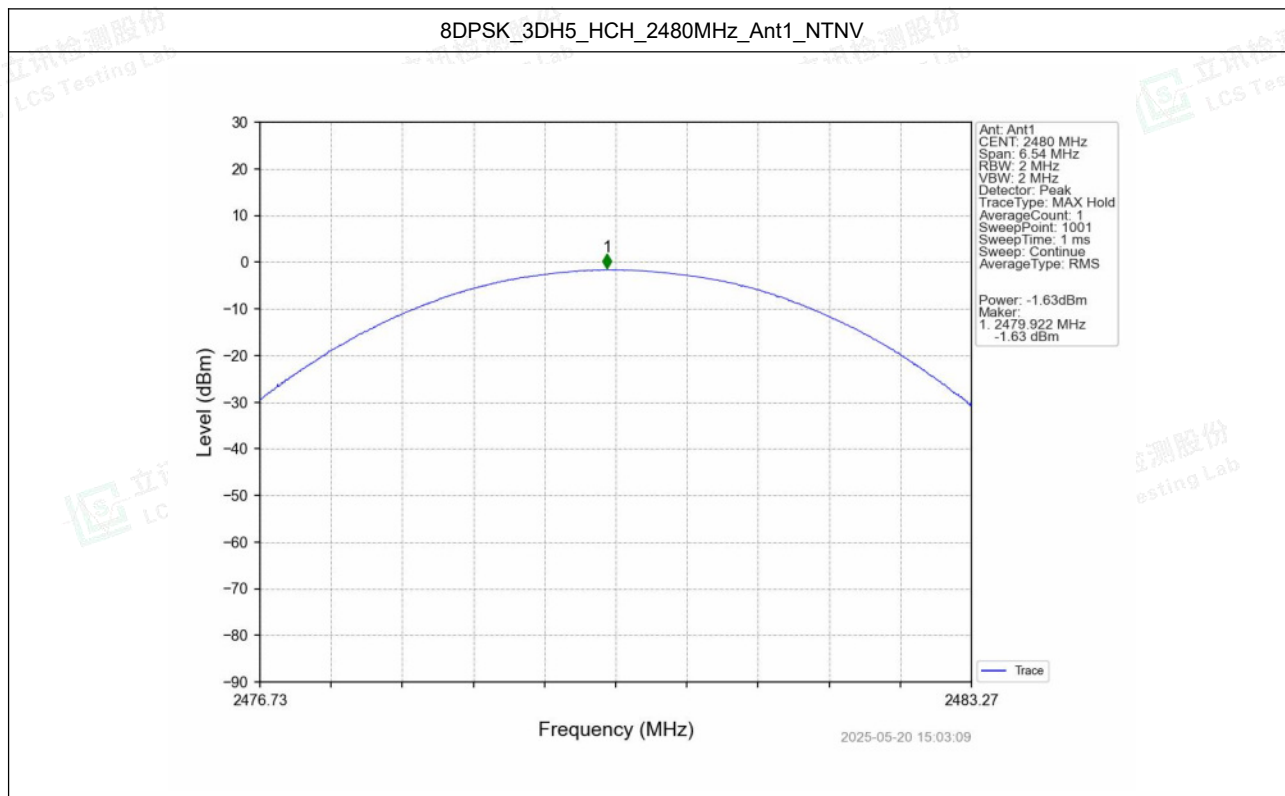


8DPSK_3DH5_LCH_2402MHz_Ant1_NTNV



8DPSK_3DH5_MCH_2441MHz_Ant1_NTNV





Right eye:

Mode	TX Type	Frequency (MHz)	Packet Type	Maximum Peak Conducted Output Power (dBm)		Verdict
				ANT1	Limit	
GFSK	SISO	2402	DH5	-2.24	<=30	Pass
		2441	DH5	-2.38	<=30	Pass
		2480	DH5	-2.82	<=30	Pass
Pi/4DQPSK	SISO	2402	2DH5	-1.35	<=20.97	Pass
		2441	2DH5	-1.45	<=20.97	Pass
		2480	2DH5	-1.87	<=20.97	Pass
8DPSK	SISO	2402	3DH5	-0.94	<=20.97	Pass
		2441	3DH5	-1.06	<=20.97	Pass
		2480	3DH5	-1.45	<=20.97	Pass



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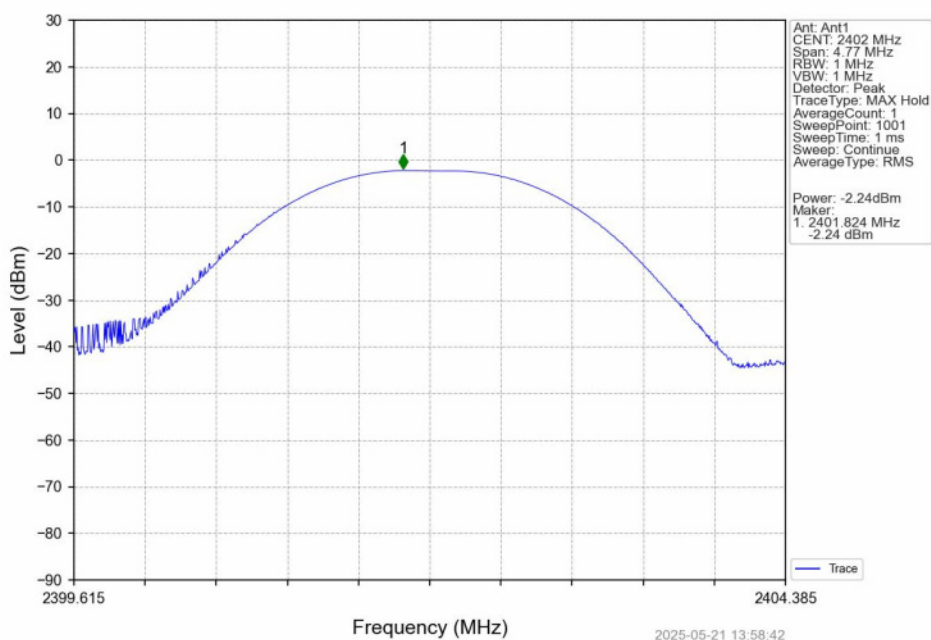
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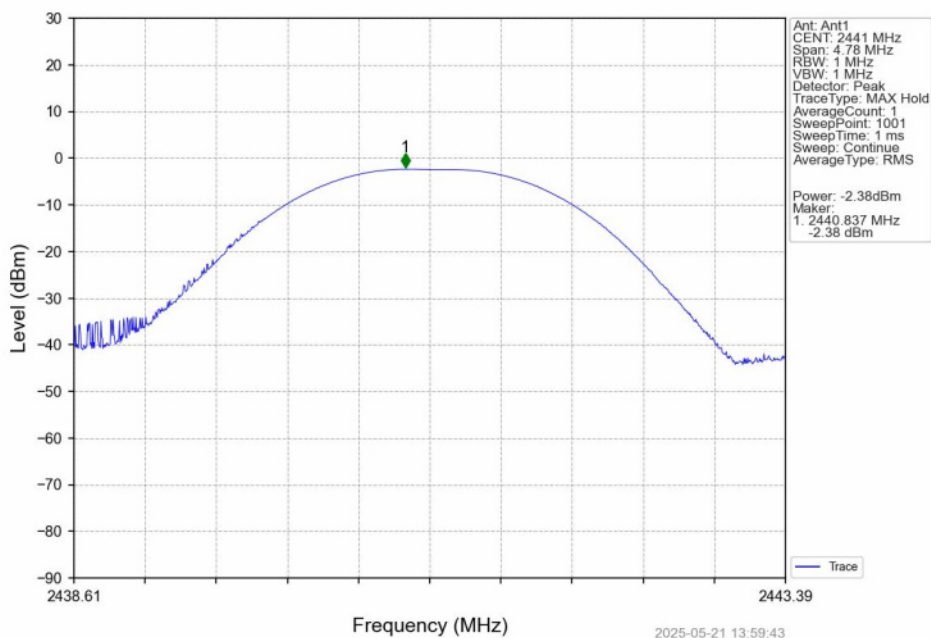
Scan code to check authenticity



GFSK_DH5_LCH_2402MHz_Ant1_NTNV

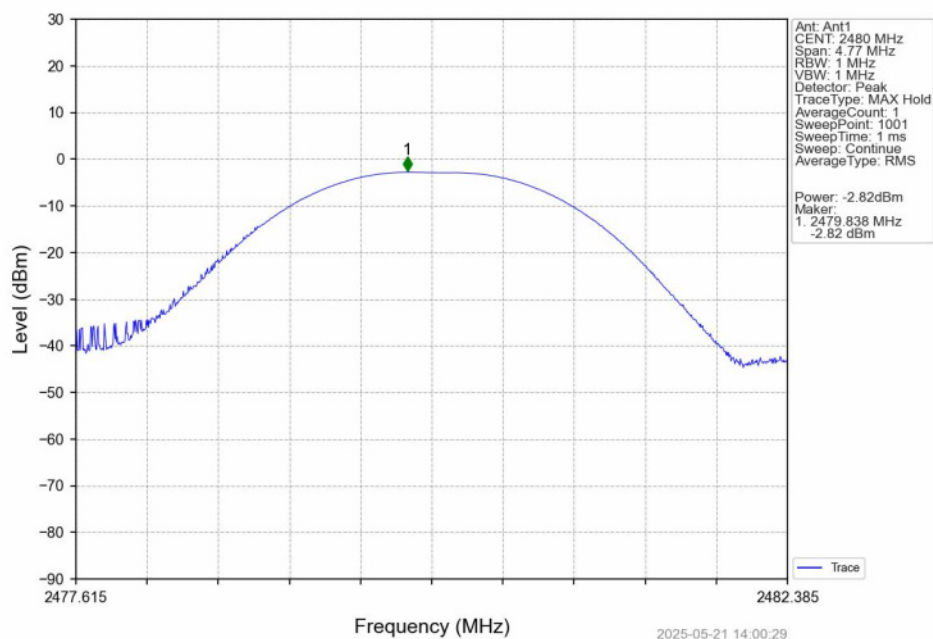


GFSK_DH5_MCH_2441MHz_Ant1_NTNV

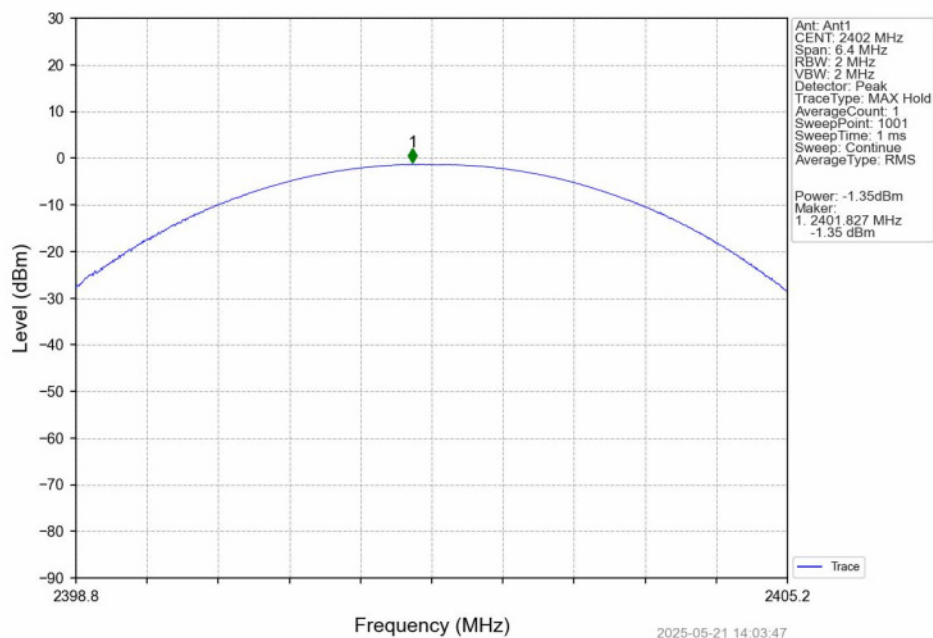




GFSK_DH5_HCH_2480MHz_Ant1_NTNV

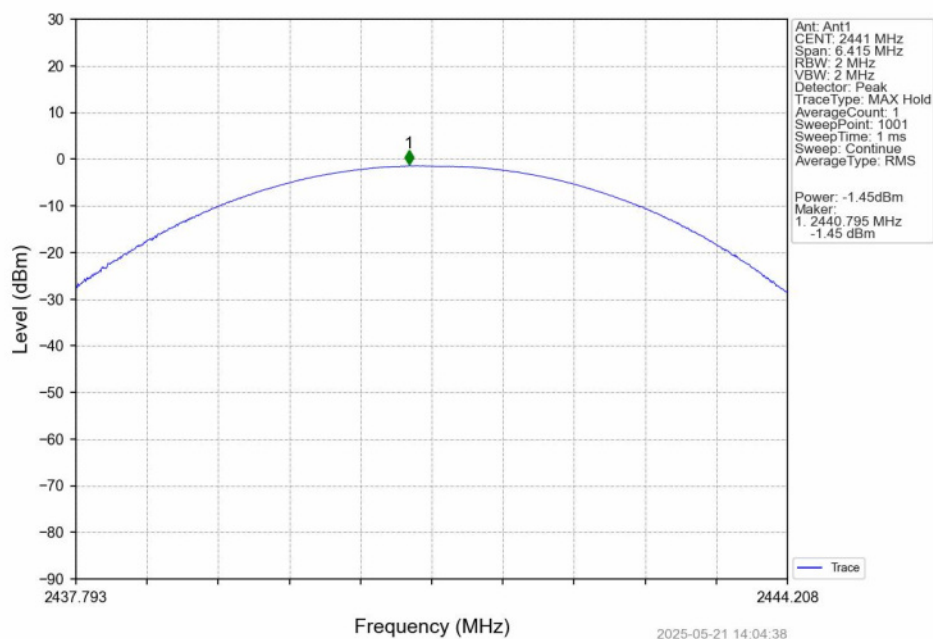


Pi/4DQPSK_2DH5_LCH_2402MHz_Ant1_NTNV

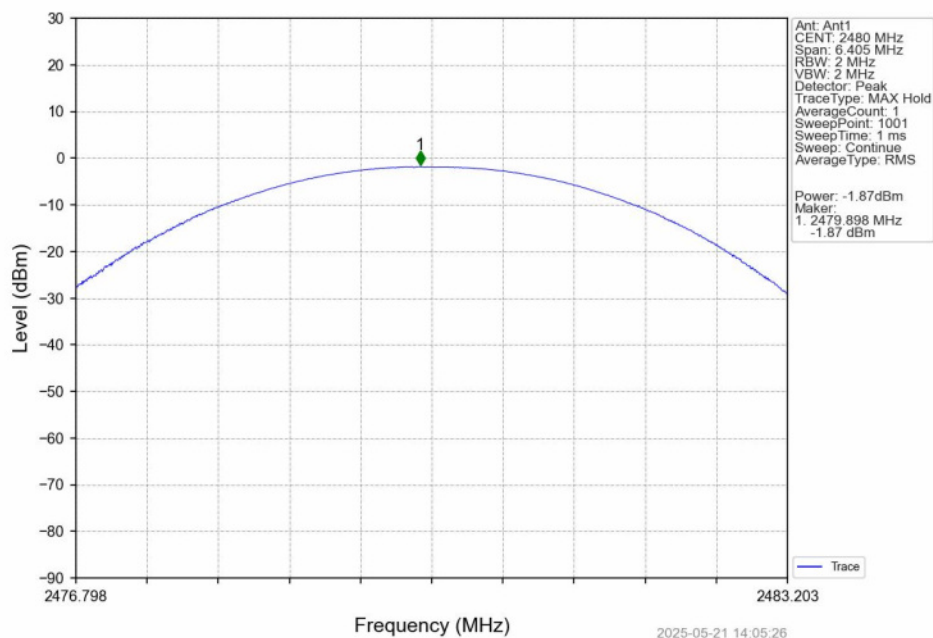




Pi/4DQPSK_2DH5_MCH_2441MHz_Ant1_NTNV

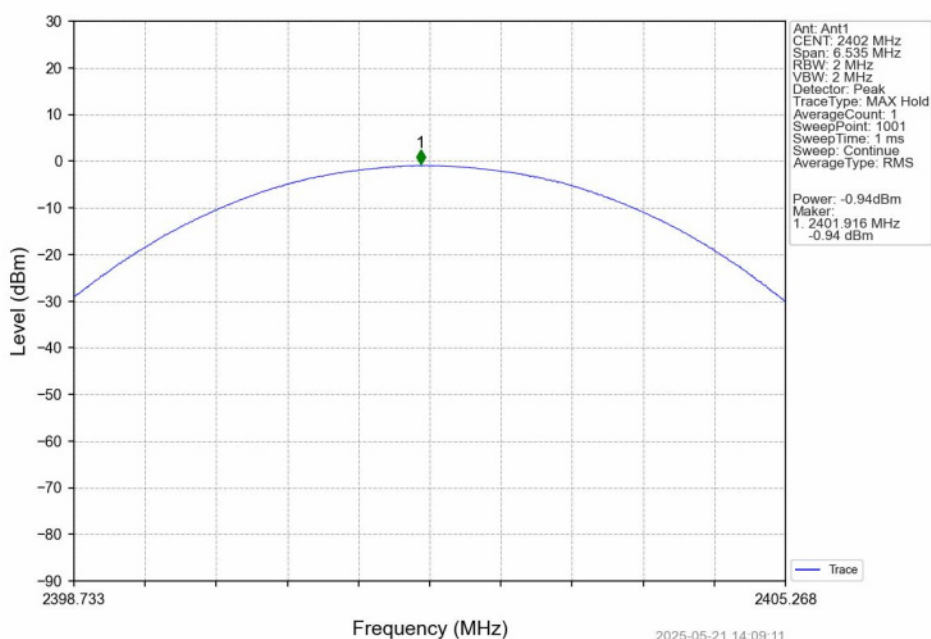


Pi/4DQPSK_2DH5_HCH_2480MHz_Ant1_NTNV

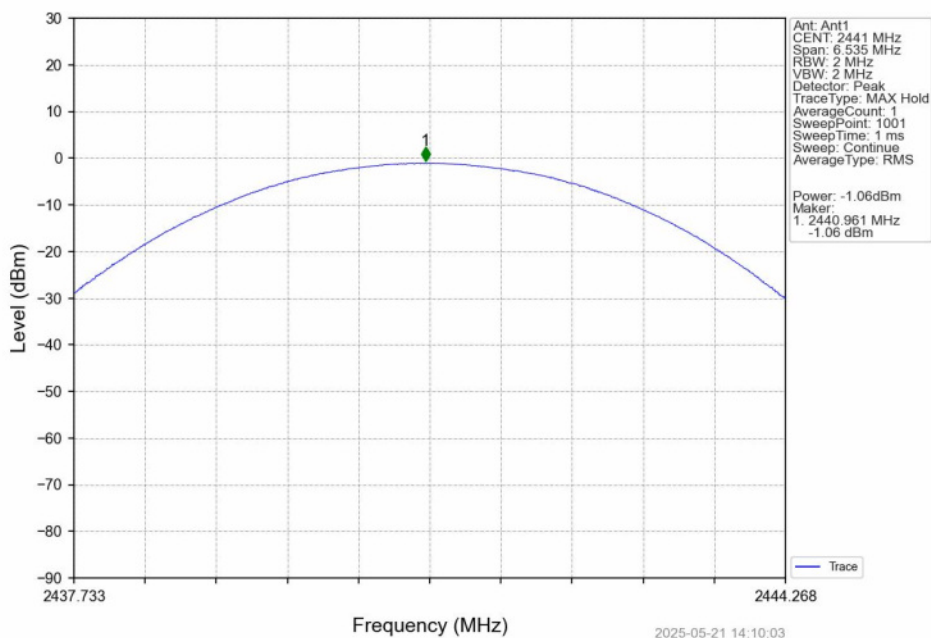


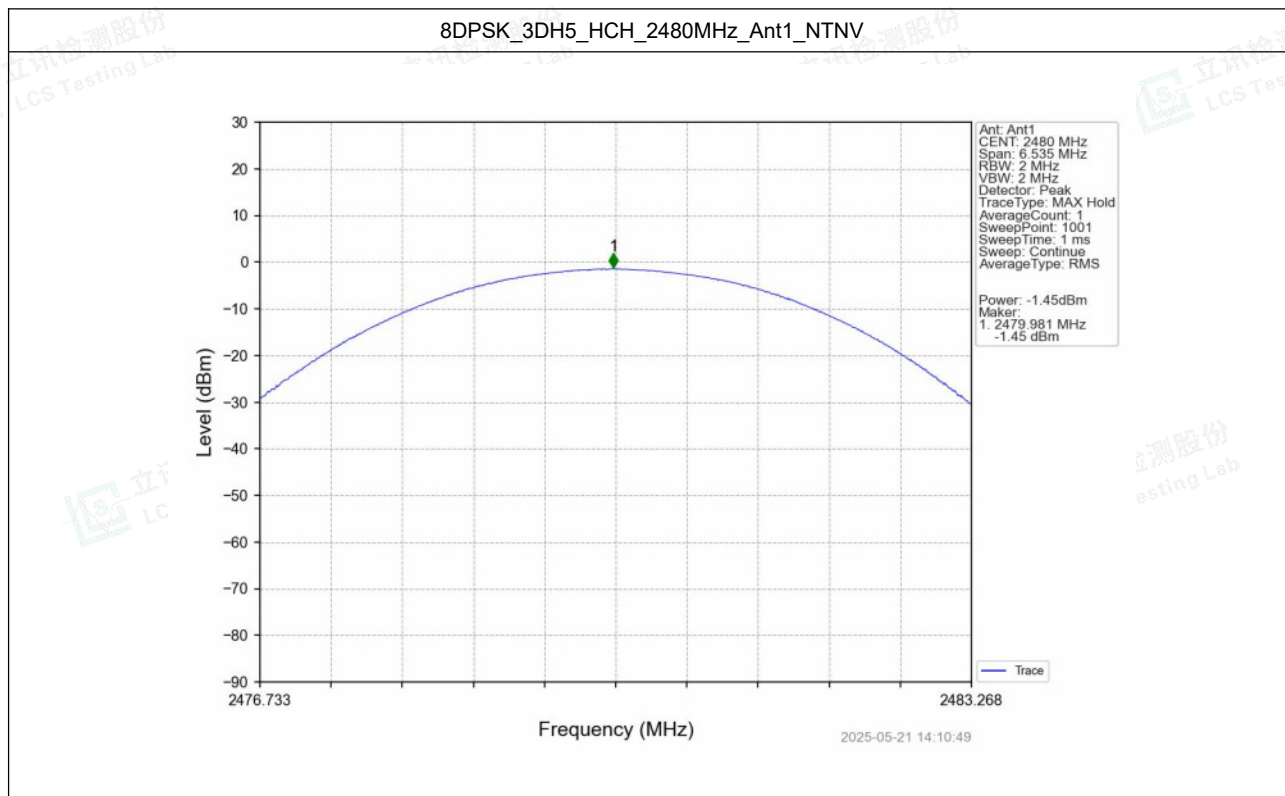


8DPSK_3DH5_LCH_2402MHz_Ant1_NTNV



8DPSK_3DH5_MCH_2441MHz_Ant1_NTNV







A.3 Carrier Frequencies Separation

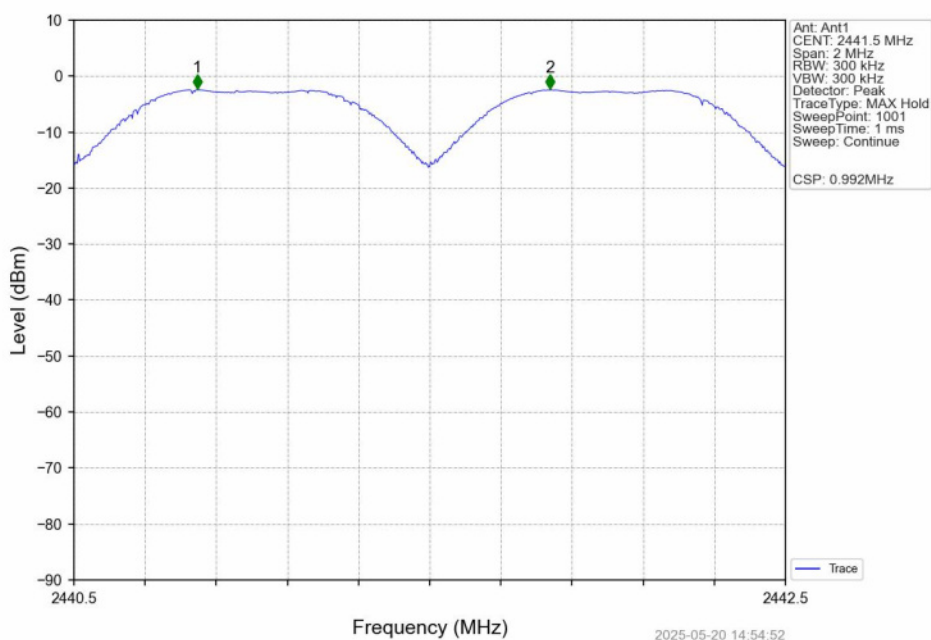
Left eye:

Mode	TX Type	Frequency (MHz)	Packet Type	Channel Separation (MHz)	20dB Bandwidth (MHz)	Limit (MHz)	Verdict
GFSK	SISO	HOPP	DH5	0.992	0.960	≥ 0.96	Pass
PI/4DQPSK	SISO	HOPP	2DH5	0.991	1.287	≥ 0.858	Pass
8DPSK	SISO	HOPP	3DH5	0.991	1.308	≥ 0.872	Pass

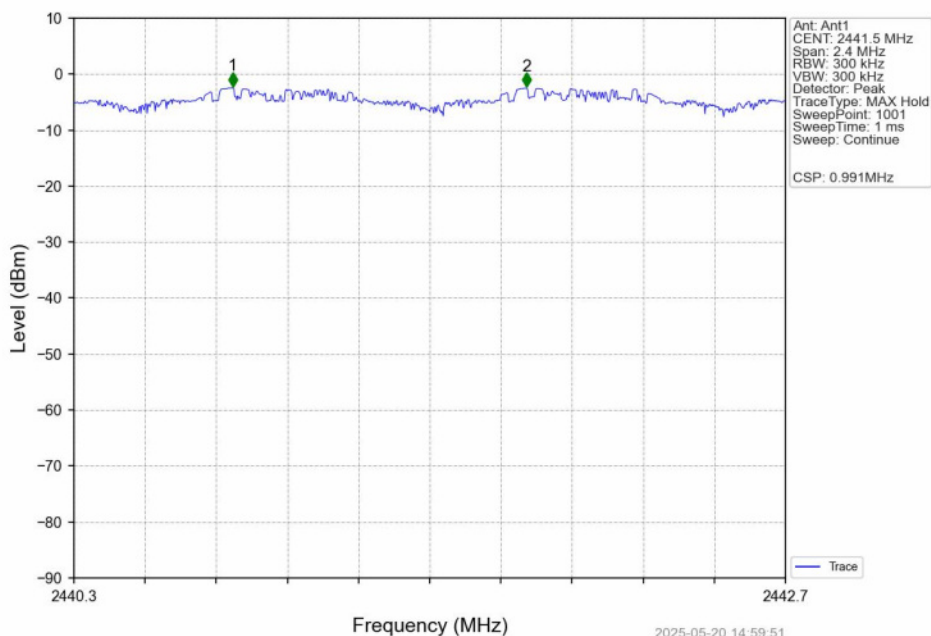


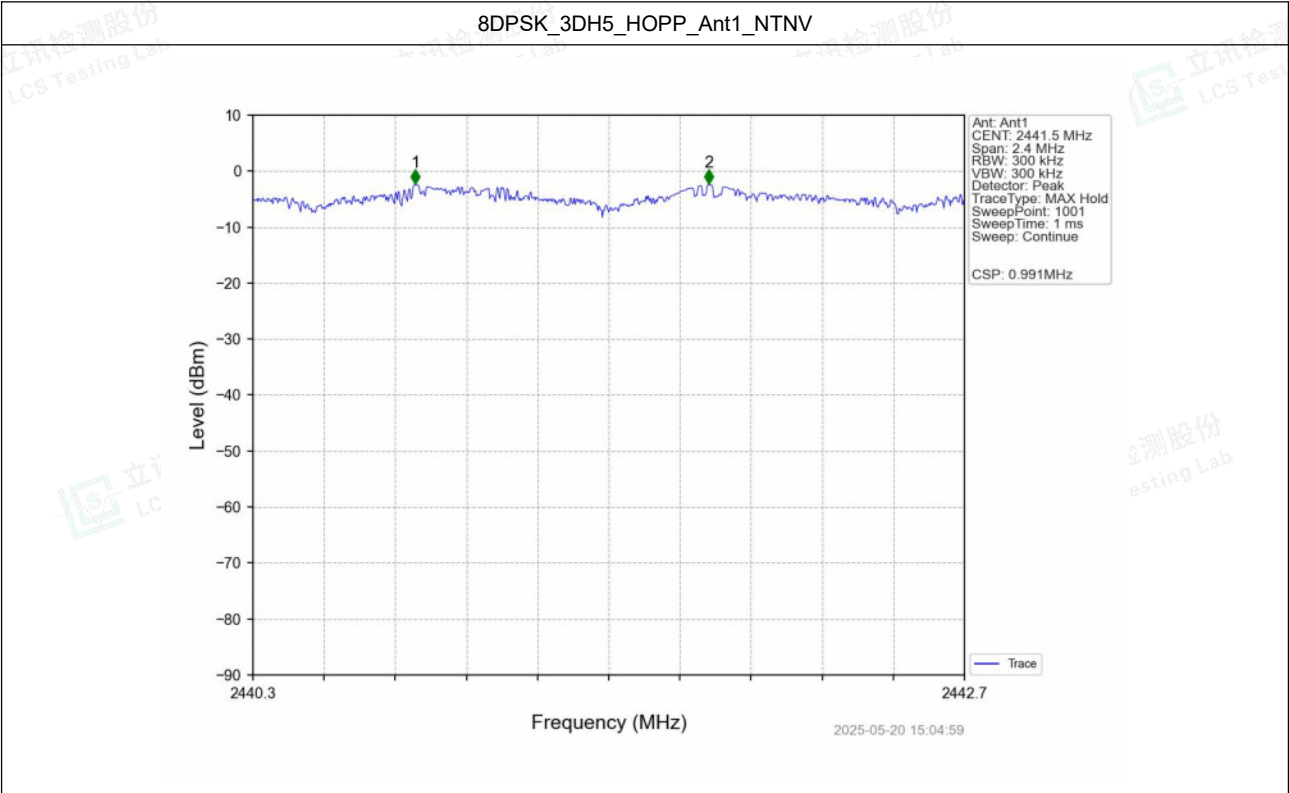


GFSK_DH5_HOPP_Ant1_NTNV



Pi/4DQPSK_2DH5_HOPP_Ant1_NTNV





Right eye:

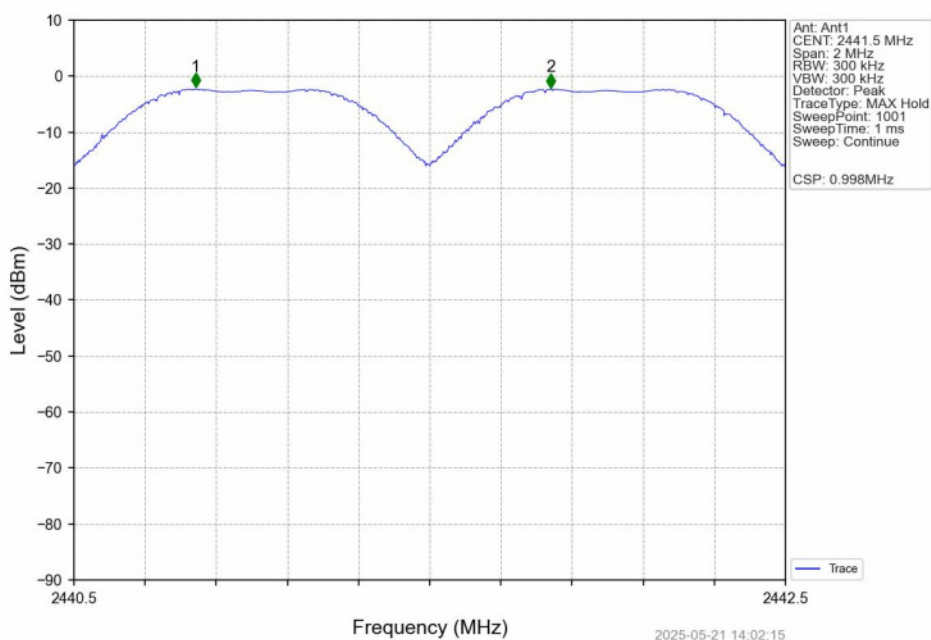
Mode	TX Type	Frequency (MHz)	Packet Type	Channel Separation (MHz)	20dB Bandwidth (MHz)	Limit (MHz)	Verdict
GFSK	SISO	HOPP	DH5	0.998	0.956	≥ 0.956	Pass
PI/4DQPSK	SISO	HOPP	2DH5	1.049	1.283	≥ 0.855	Pass
8DPSK	SISO	HOPP	3DH5	0.996	1.307	≥ 0.871	Pass



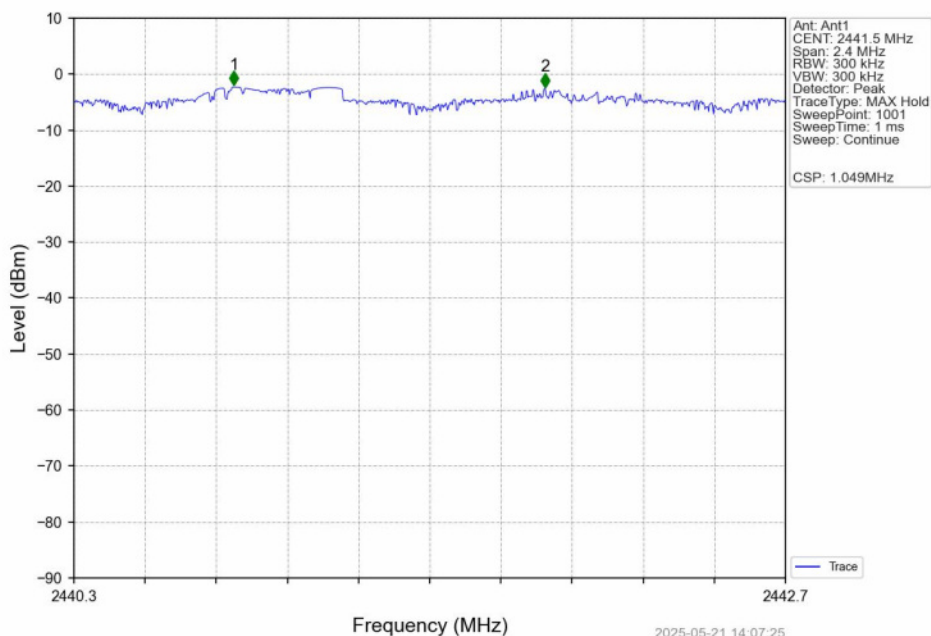
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Scan code to check authenticity

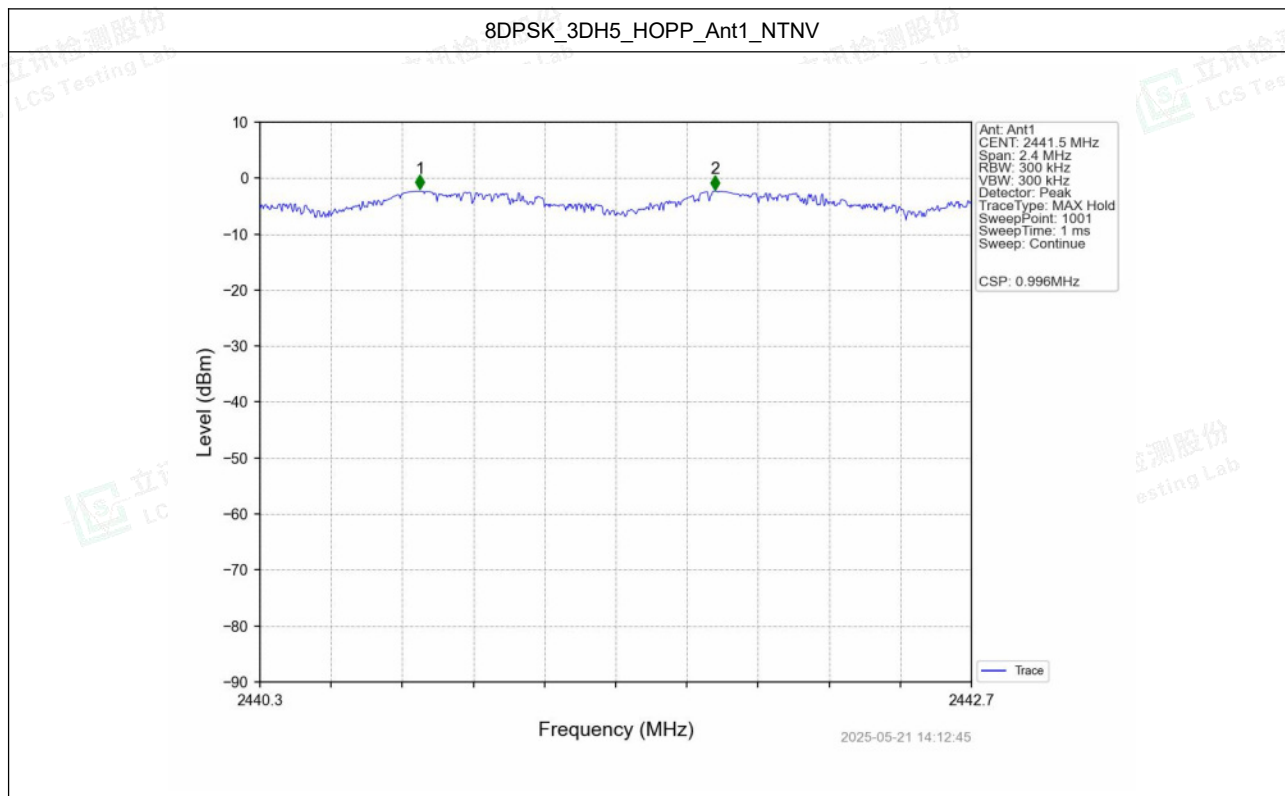


GFSK_DH5_HOPP_Ant1_NTNV



Pi/4DQPSK_2DH5_HOPP_Ant1_NTNV







A.4 Dwell Time

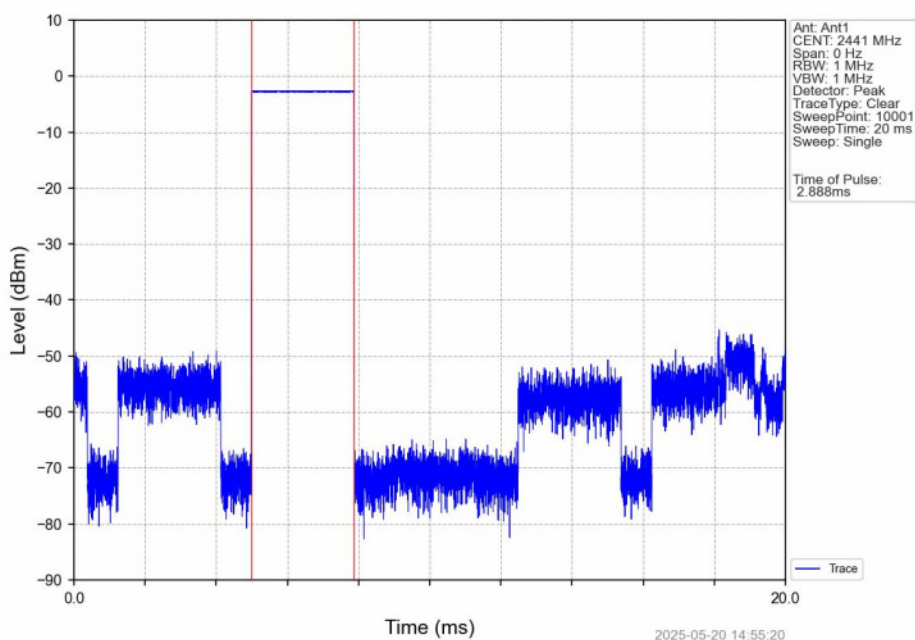
Left eye:

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	2.888	31.600	114	329.232	<=400	Pass
Pi/4DQPSK	SISO	HOPP	2DH5	2.894	31.600	108	312.552	<=400	Pass
8DPSK	SISO	HOPP	3DH5	2.894	31.600	101	292.294	<=400	Pass

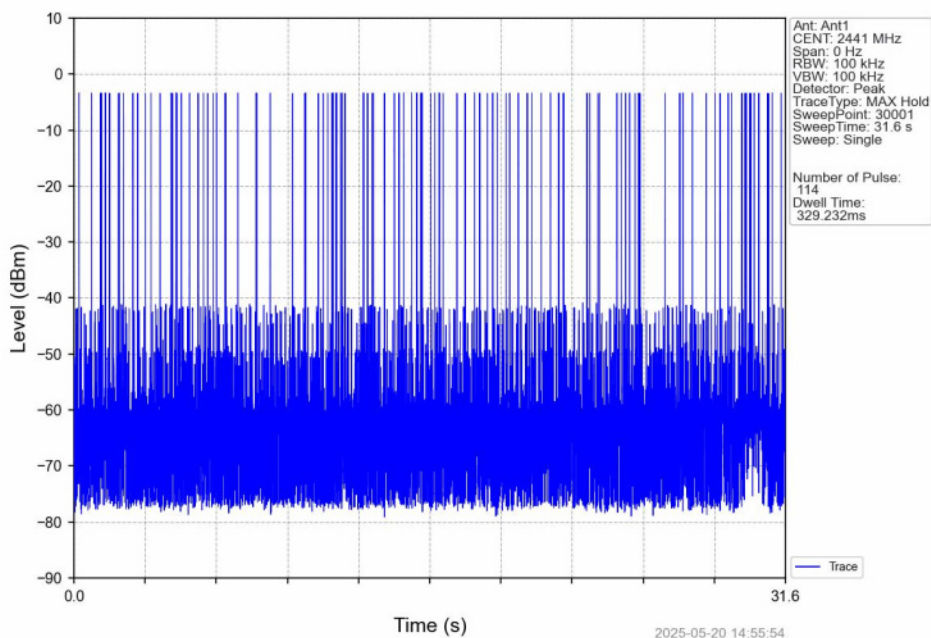




GFSK_DH5_HOPP_Ant1_NTNV

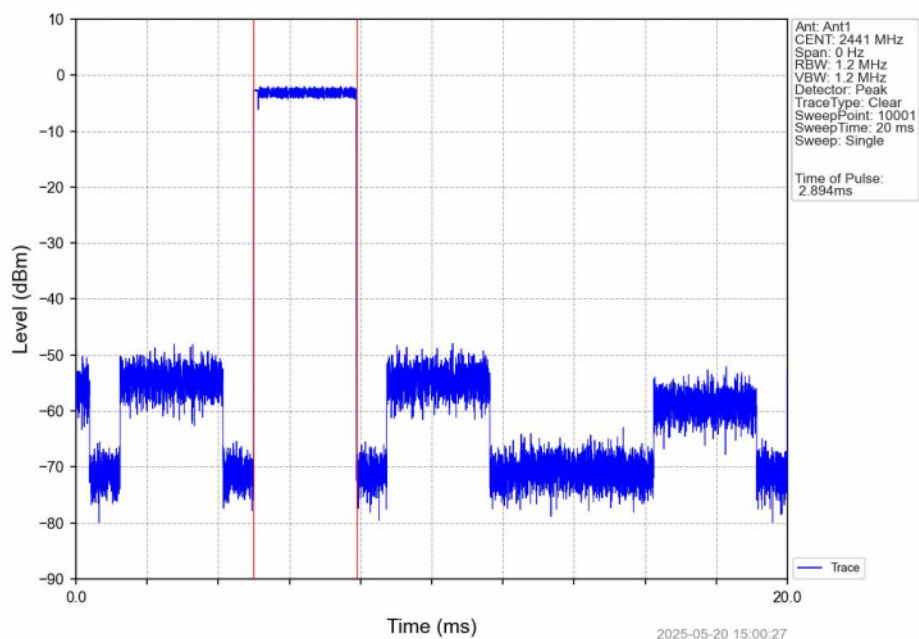


GFSK_DH5_HOPP_Ant1_NTNV

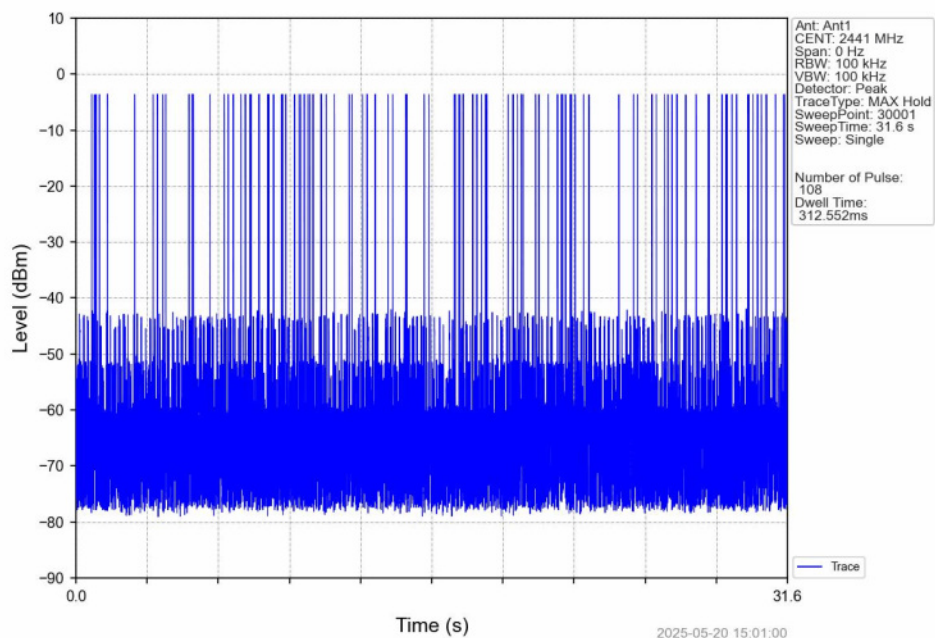




Pi/4DQPSK_2DH5_HOPP_Ant1_NTNV

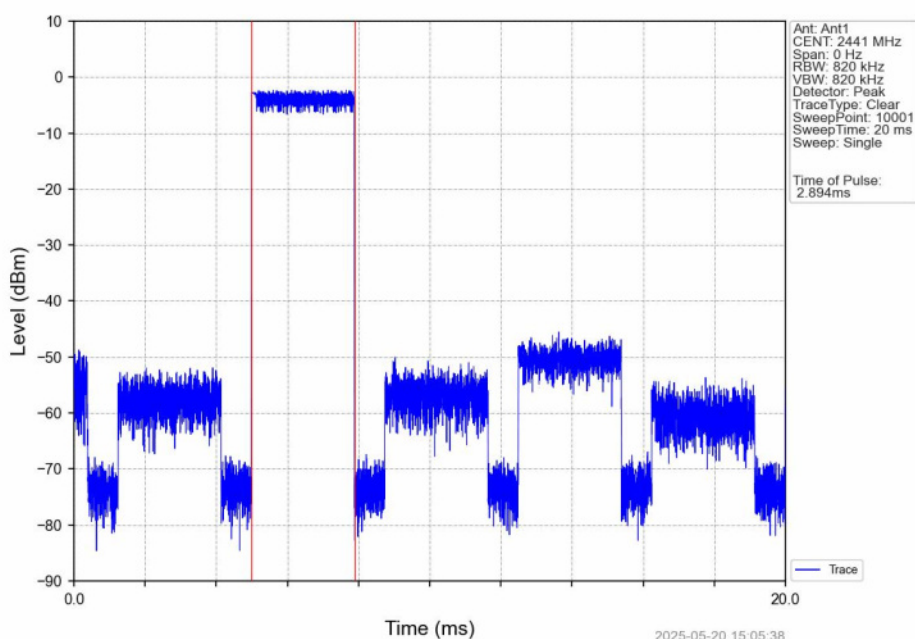


Pi/4DQPSK_2DH5_HOPP_Ant1_NTNV

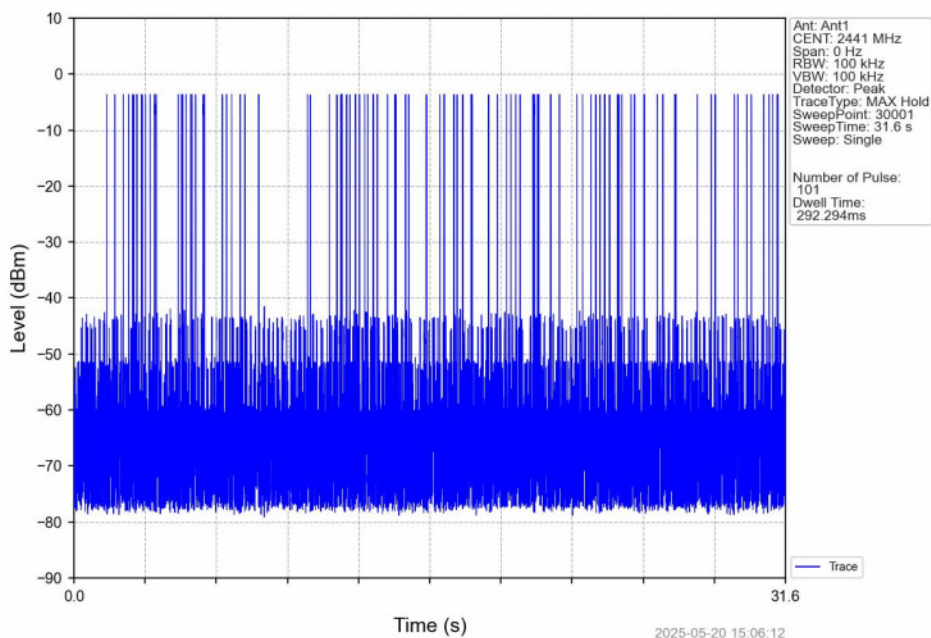




8DPSK_3DH5_HOPP_Ant1_NTNV



8DPSK_3DH5_HOPP_Ant1_NTNV





Right eye:

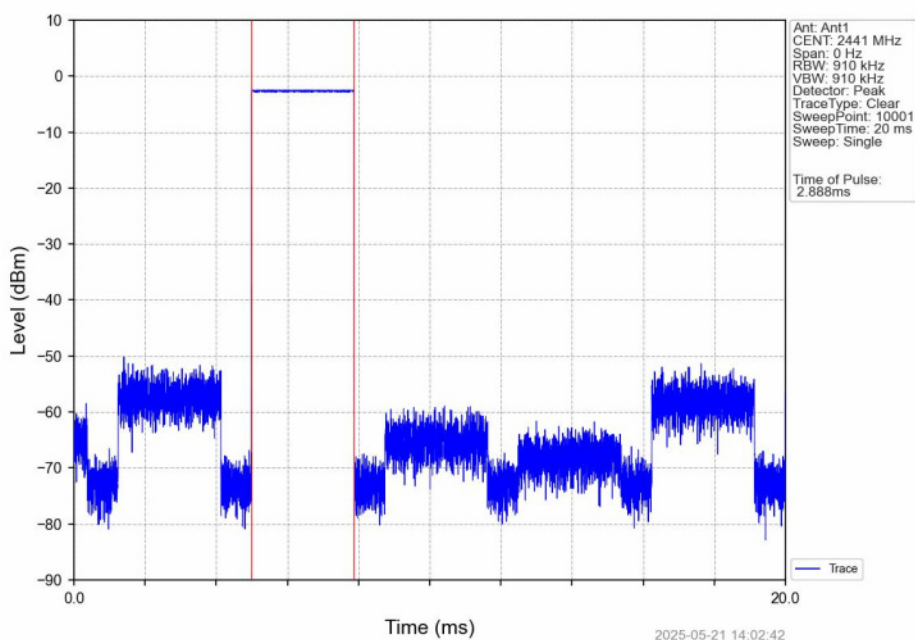
Mode	TX Type	Frequency (MHz)	Packet Type	Duration of Single Pulse (ms)	Observation Period (s)	Num of Pulse in Observation Period	Dwell Time (ms)	Limit (ms)	Verdict
GFSK	SISO	HOPP	DH5	2.888	31.600	103	297.464	<=400	Pass
Pi/4DQPSK	SISO	HOPP	2DH5	2.896	31.600	130	376.480	<=400	Pass
8DPSK	SISO	HOPP	3DH5	2.892	31.600	111	321.012	<=400	Pass



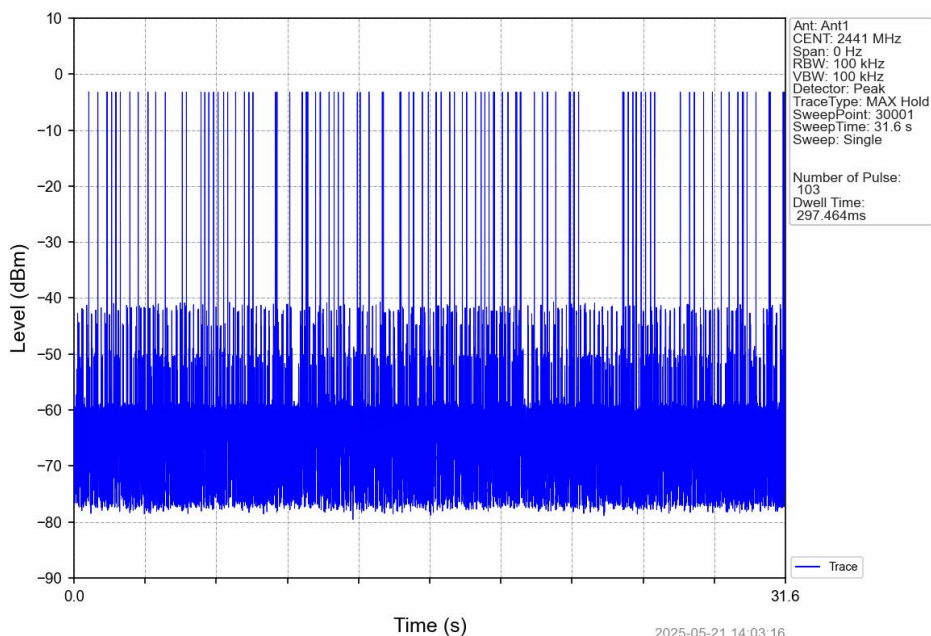
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518000, China
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Scan code to check authenticity



GFSK_DH5_HOPP_Ant1_NTNV

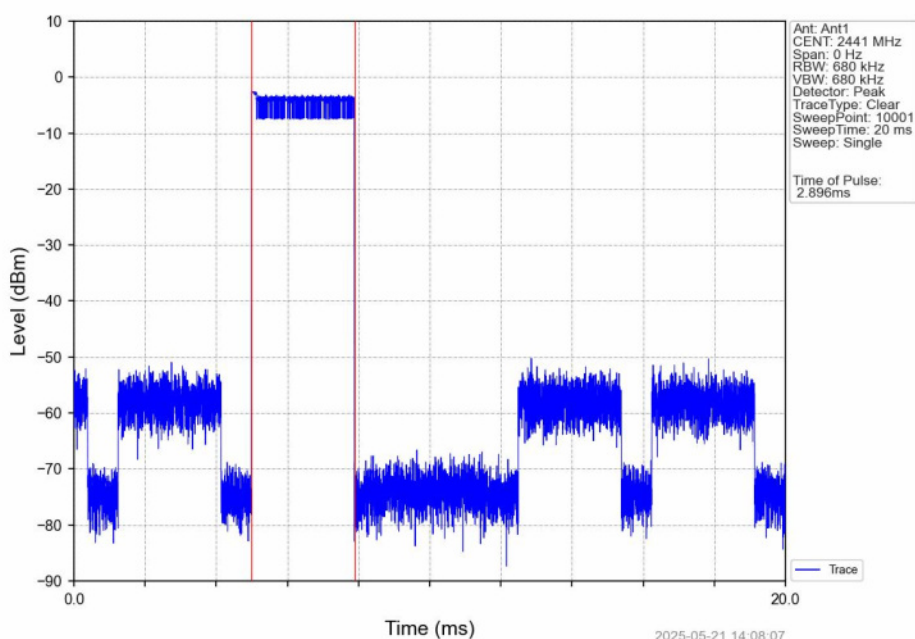


GFSK_DH5_HOPP_Ant1_NTNV

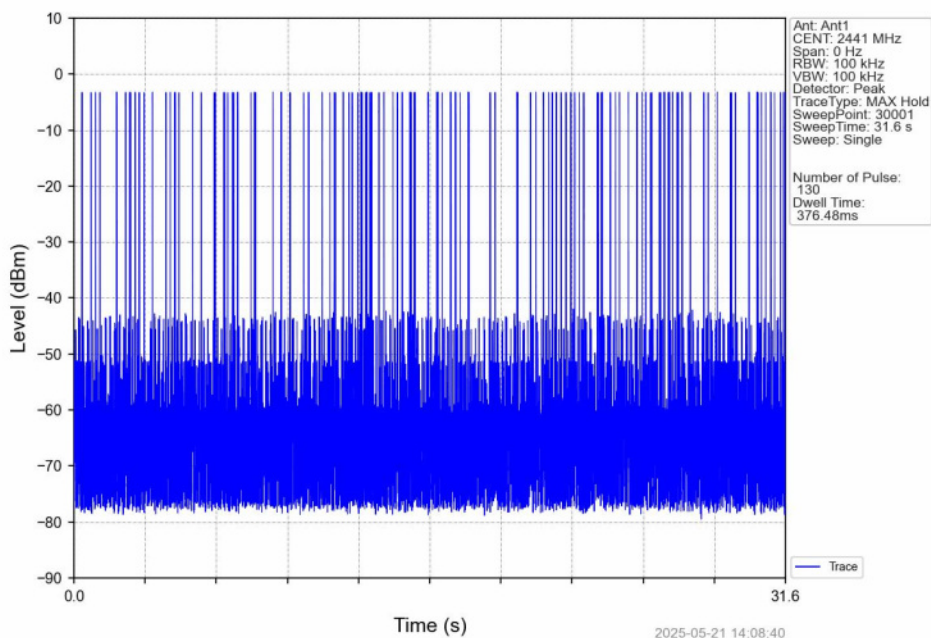




Pi/4DQPSK_2DH5_HOPP_Ant1_NTNV

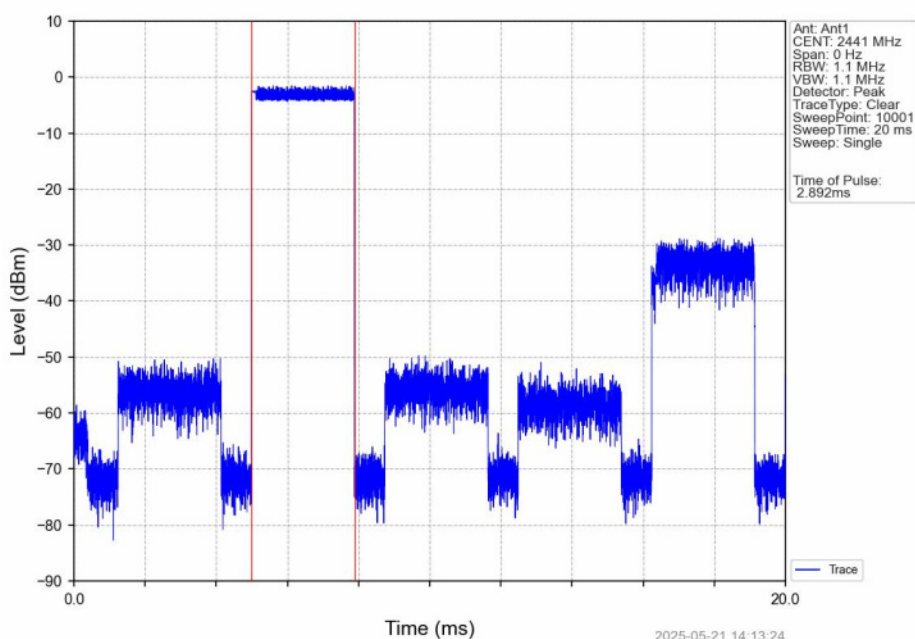


Pi/4DQPSK_2DH5_HOPP_Ant1_NTNV

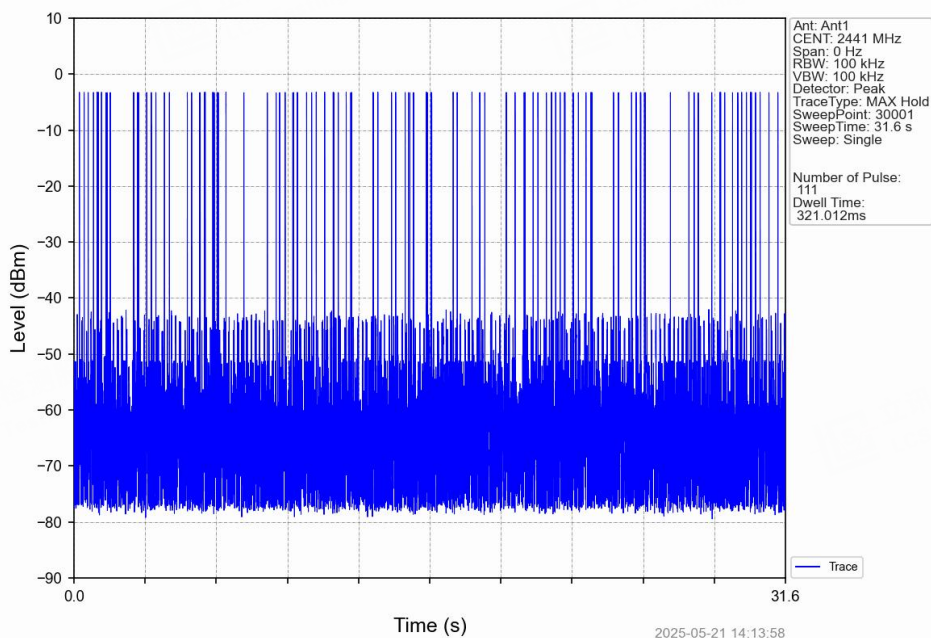




8DPSK_3DH5_HOPP_Ant1_NTNV



8DPSK_3DH5_HOPP_Ant1_NTNV





A.5 Number of Hopping Channel

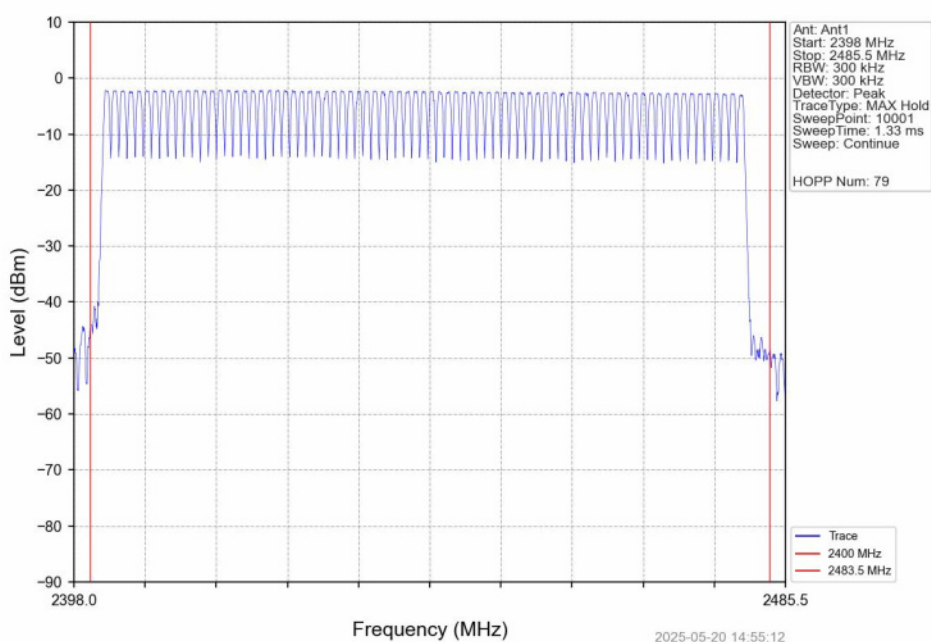
Left eye:

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

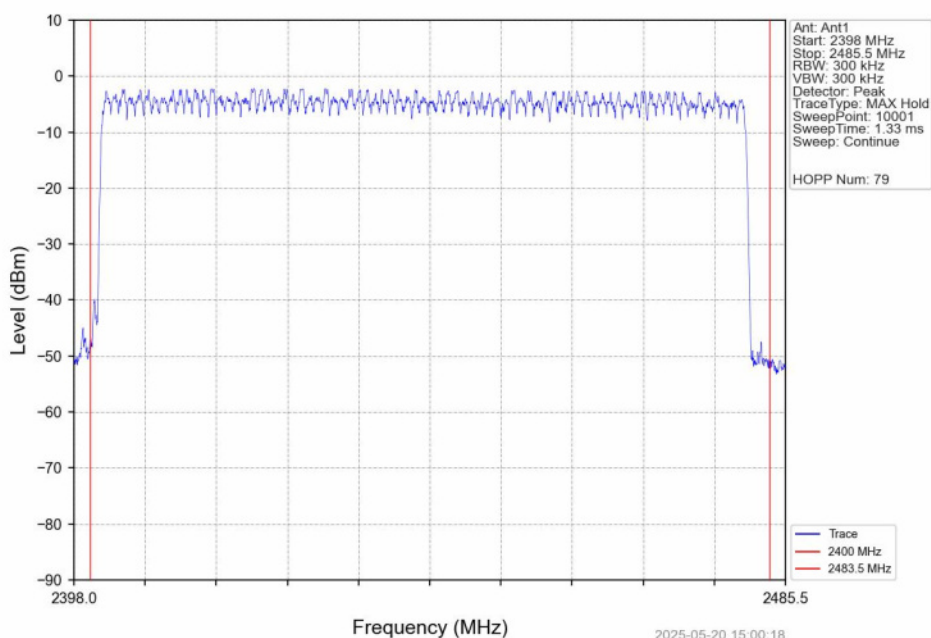


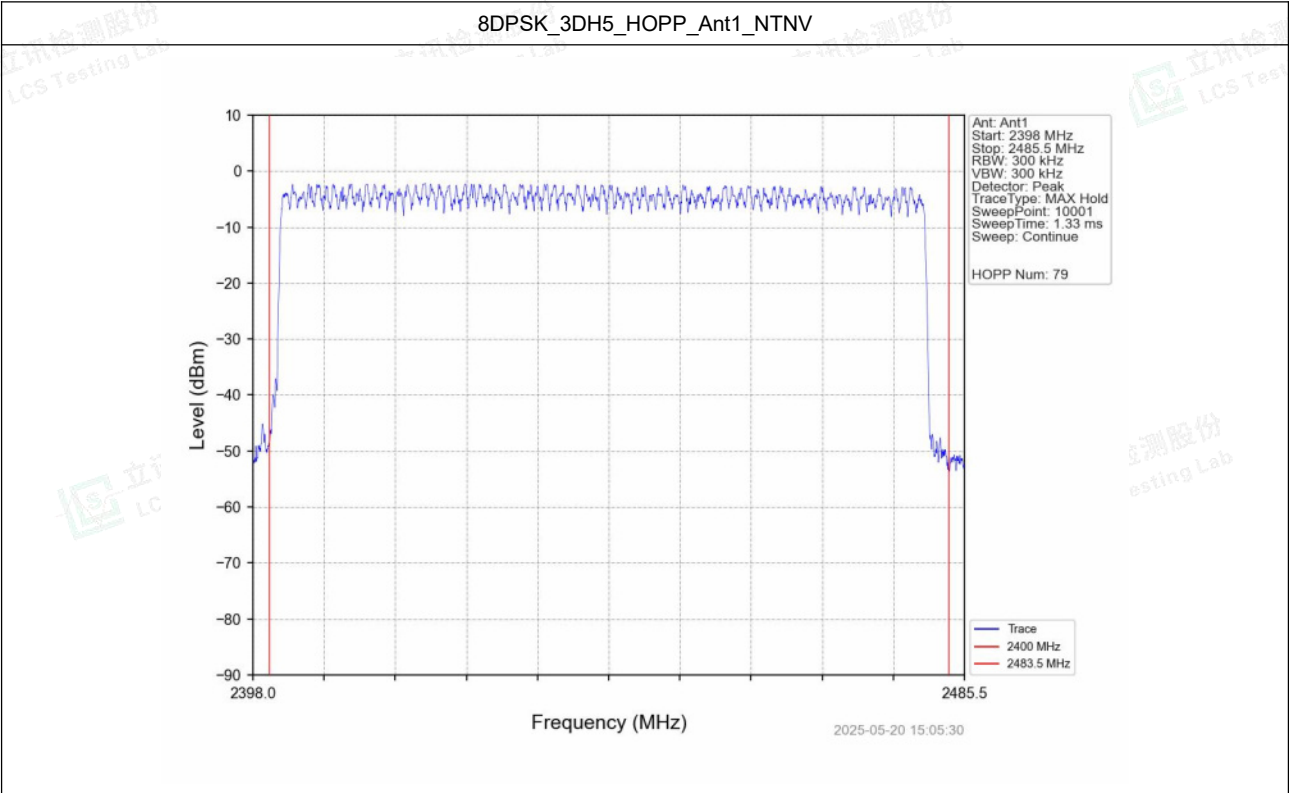


GFSK_DH5_HOPP_Ant1_NTNV



Pi/4DQPSK_2DH5_HOPP_Ant1_NTNV





Right eye:

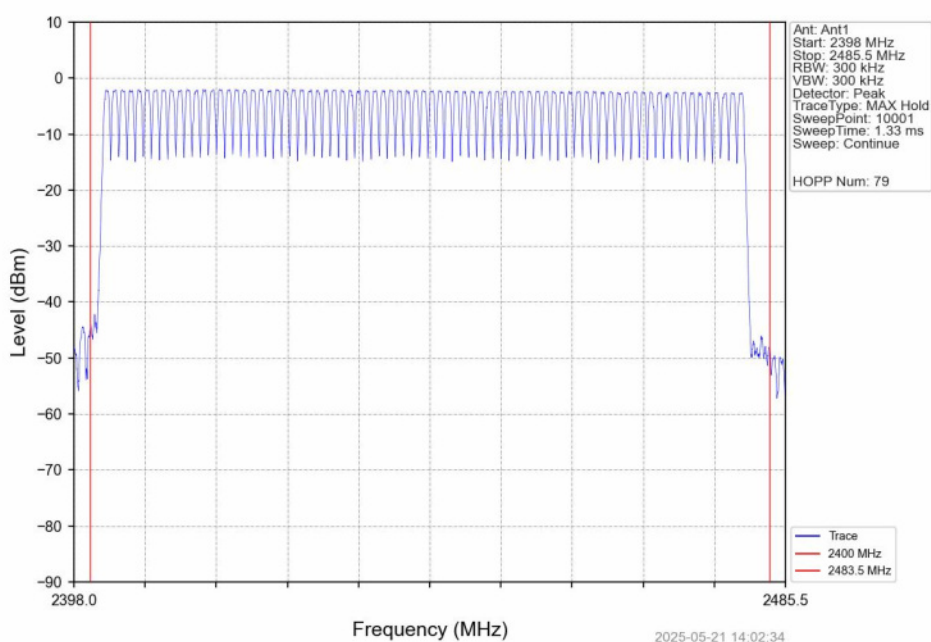
Mode	TX Type	Frequency (MHz)	Packet Type	Num of Hopping Frequencies		Verdict
				ANT1	Limit	
GFSK	SISO	HOPP	DH5	79	≥ 15	Pass
PI/4DQPSK	SISO	HOPP	2DH5	79	≥ 15	Pass
8DPSK	SISO	HOPP	3DH5	79	≥ 15	Pass



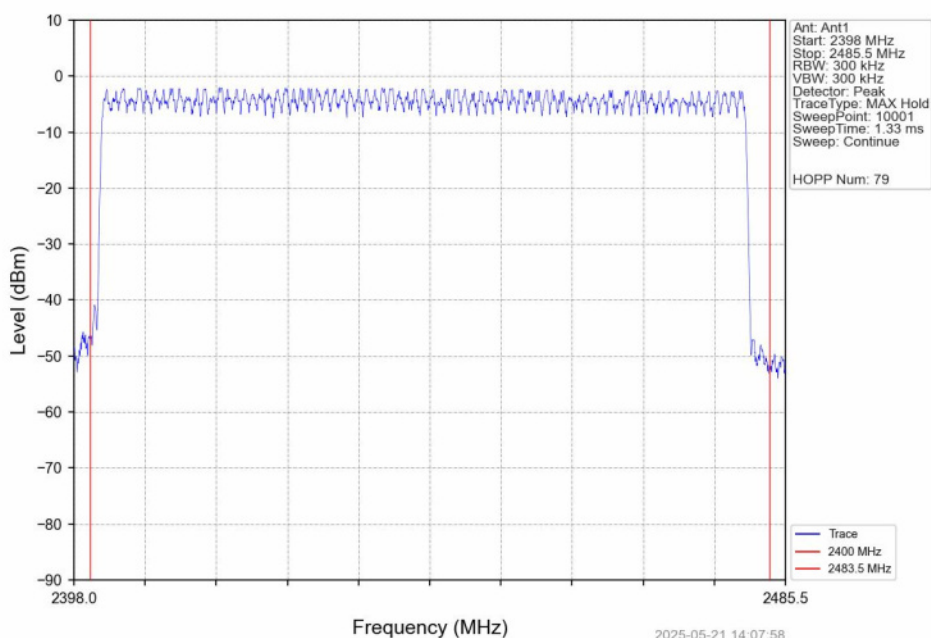
Shenzhen LCS Compliance Testing Laboratory Ltd.
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China
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Scan code to check authenticity



GFSK_DH5_HOPP_Ant1_NTNV



Pi/4DQPSK_2DH5_HOPP_Ant1_NTNV

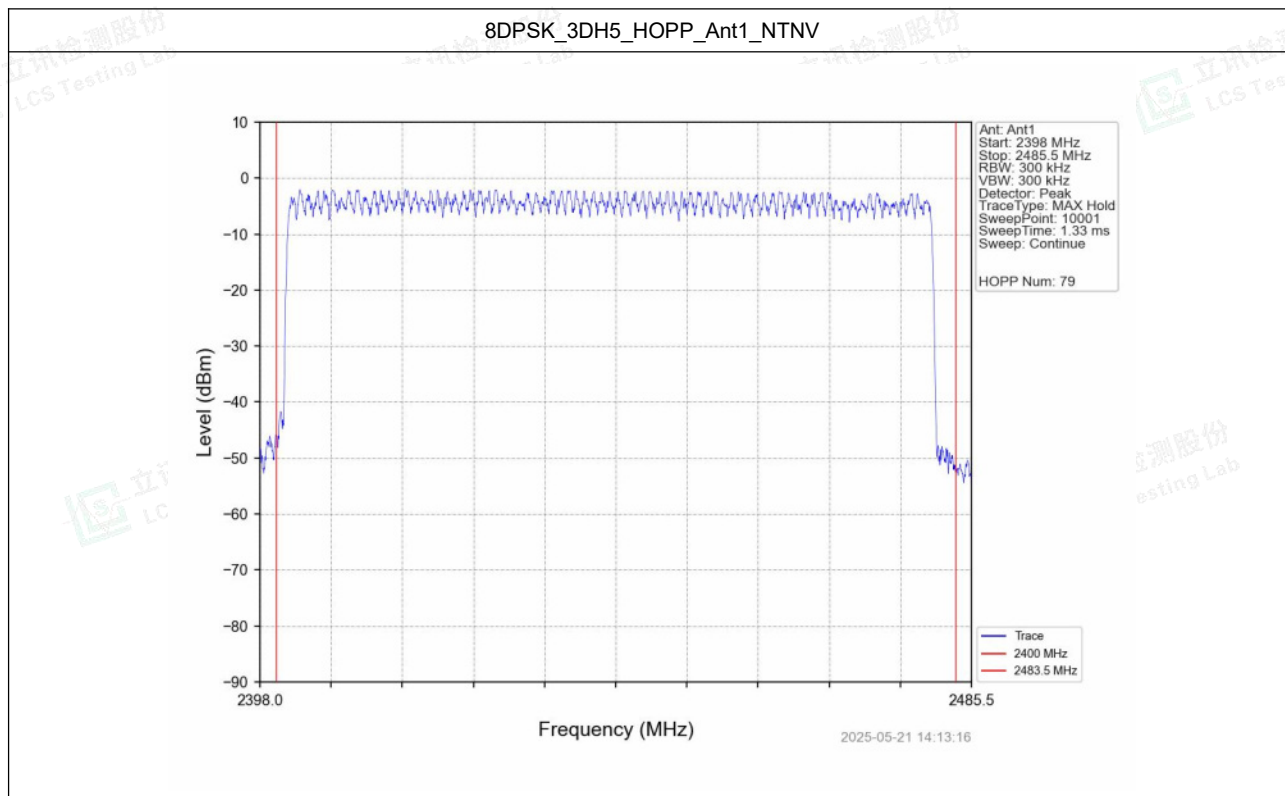


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A.6 Band Edge

Left eye:

Mode	TX Type	Frequency (MHz)	Packet Type	ANT	Level of Reference (dBm)	Limit (dBm)	Verdict
GFSK	SISO	2402	DH5	1	-2.47	-22.47	Pass
		2441	DH5	1	-2.47	-22.47	Pass
		2480	DH5	1	-2.47	-22.47	Pass
		HOPP	DH5	1	-2.47	-22.47	Pass
					-2.47	-22.47	Pass
Pi/4DQPSK	SISO	2402	2DH5	1	-2.53	-22.53	Pass
		2441	2DH5	1	-2.53	-22.53	Pass
		2480	2DH5	1	-2.53	-22.53	Pass
		HOPP	2DH5	1	-2.53	-22.53	Pass
					-2.53	-22.53	Pass
8DPSK	SISO	2402	3DH5	1	-2.60	-22.60	Pass
		2441	3DH5	1	-2.60	-22.60	Pass
		2480	3DH5	1	-2.60	-22.60	Pass
		HOPP	3DH5	1	-2.60	-22.60	Pass
					-2.60	-22.60	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.

