



Appendix B

RF Test Data for BT LE (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



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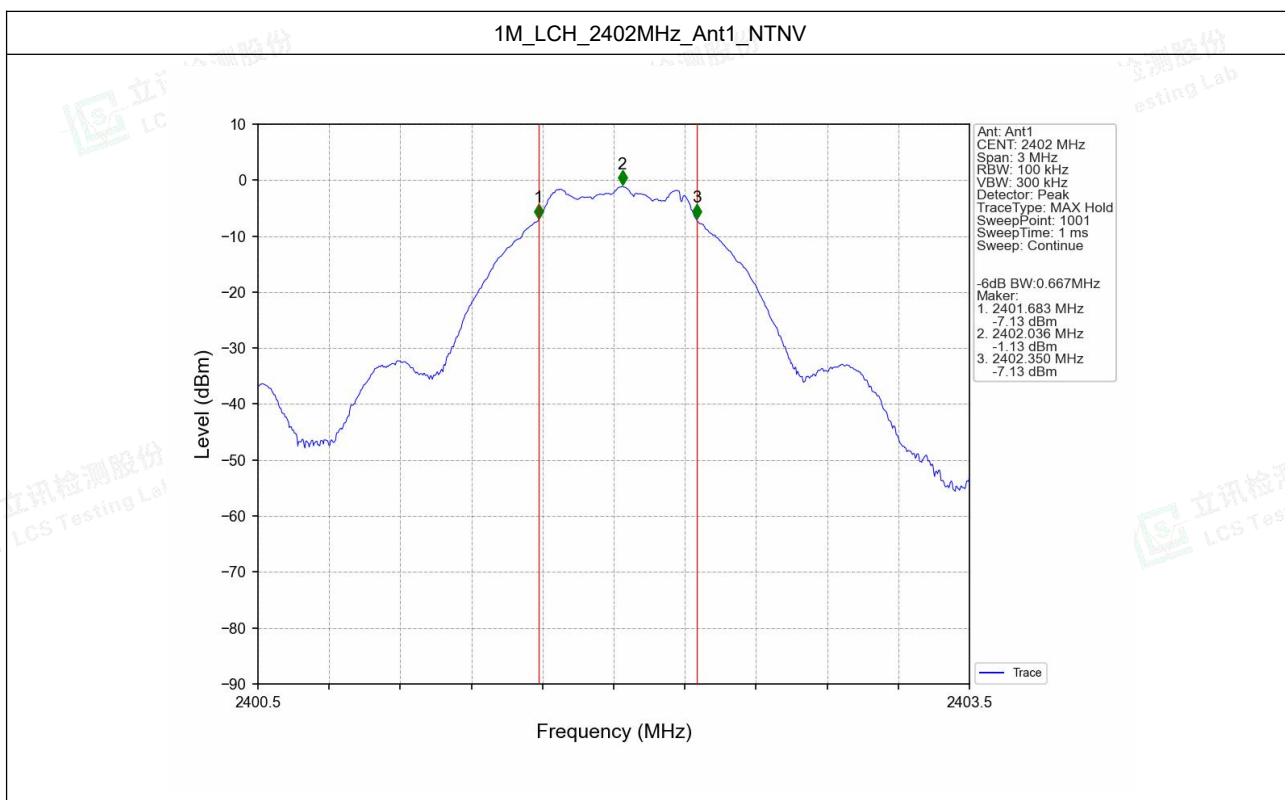
Scan code to check authenticity



B.1 -6dB Bandwidth

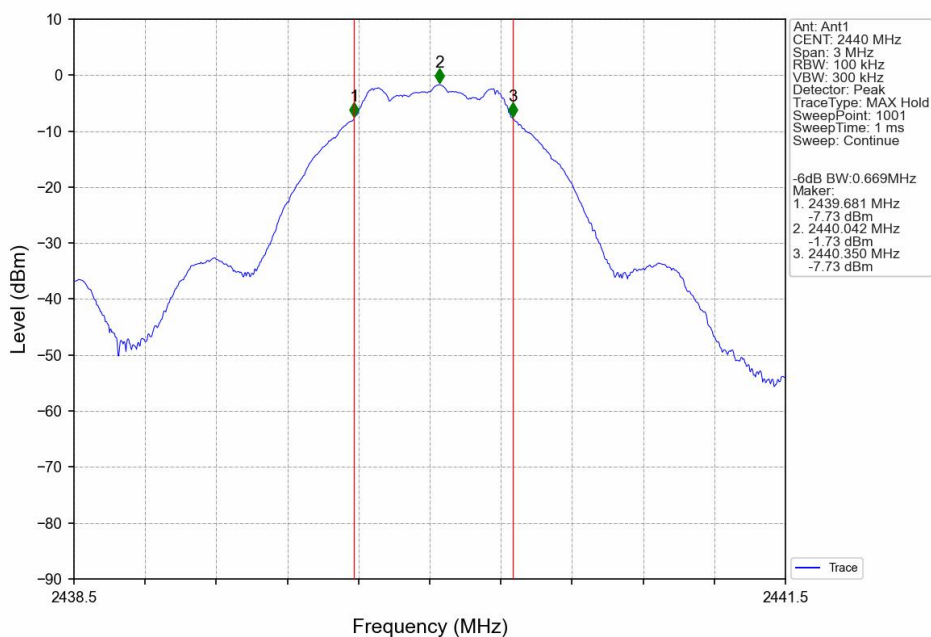
Left eye:

Mode	TX Type	Frequency (MHz)	ANT	6dB Bandwidth (MHz)		Verdict
				Result	Limit	
1M	SISO	2402	1	0.667	≥ 0.5	Pass
		2440	1	0.669	≥ 0.5	Pass
		2480	1	0.665	≥ 0.5	Pass

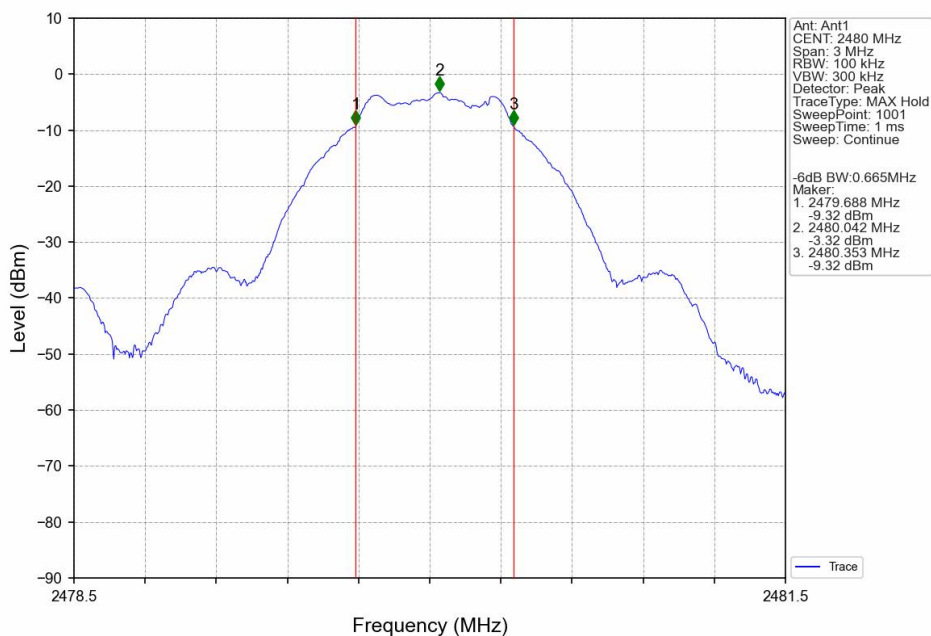




1M_MCH_2440MHz_Ant1_NTNV



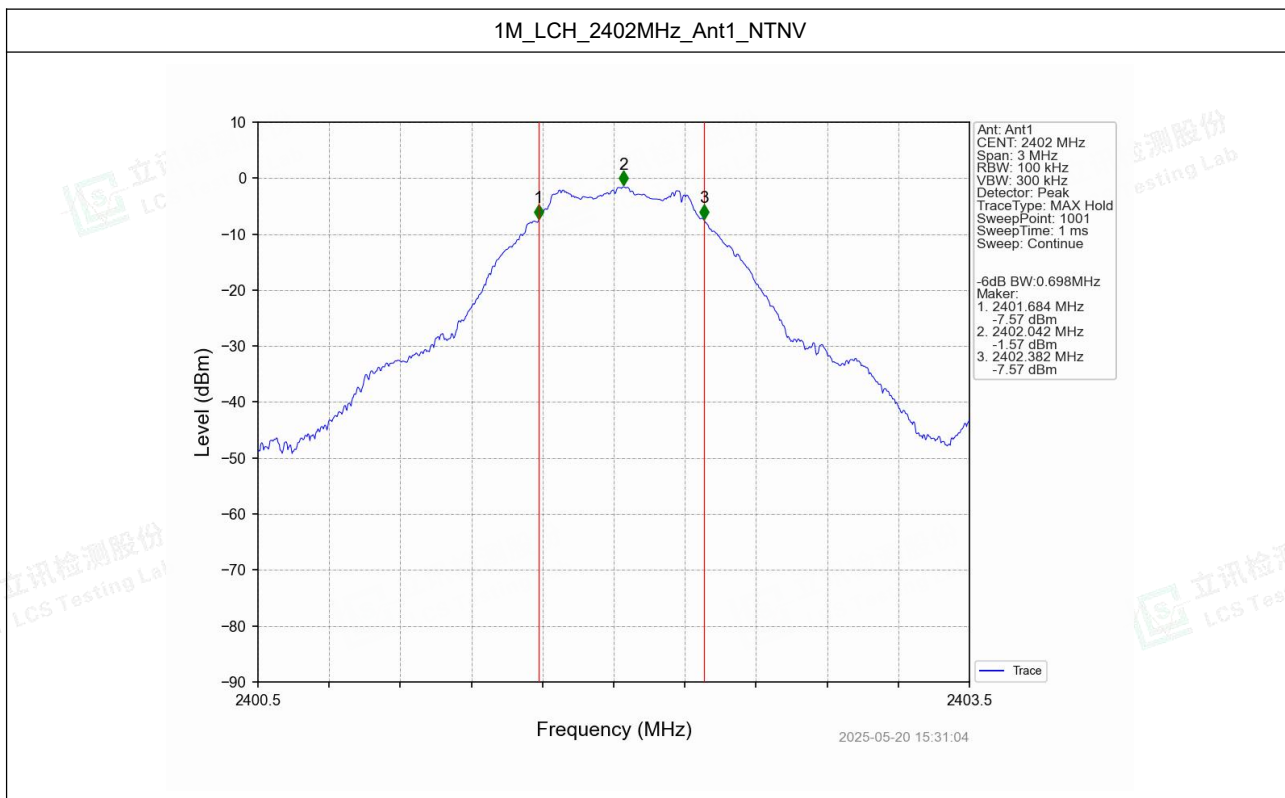
1M_HCH_2480MHz_Ant1_NTNV





Right eye:

Mode	TX Type	Frequency (MHz)	ANT	6dB Bandwidth (MHz)		Verdict
				Result	Limit	
1M	SISO	2402	1	0.698	≥ 0.5	Pass
		2440	1	0.715	≥ 0.5	Pass
		2480	1	0.713	≥ 0.5	Pass



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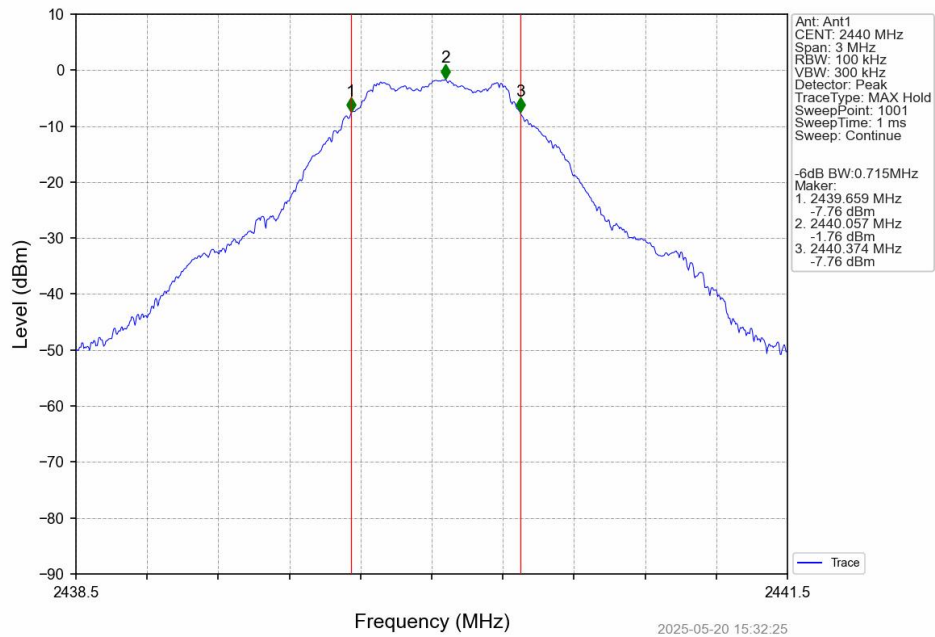
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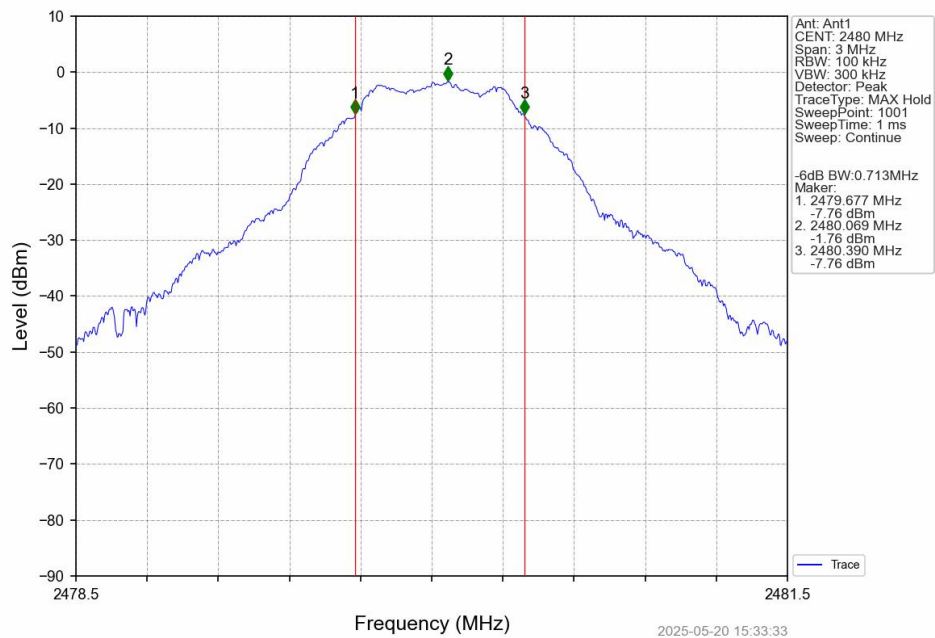
Scan code to check authenticity



1M_MCH_2440MHz_Ant1_NTNV



1M_HCH_2480MHz_Ant1_NTNV

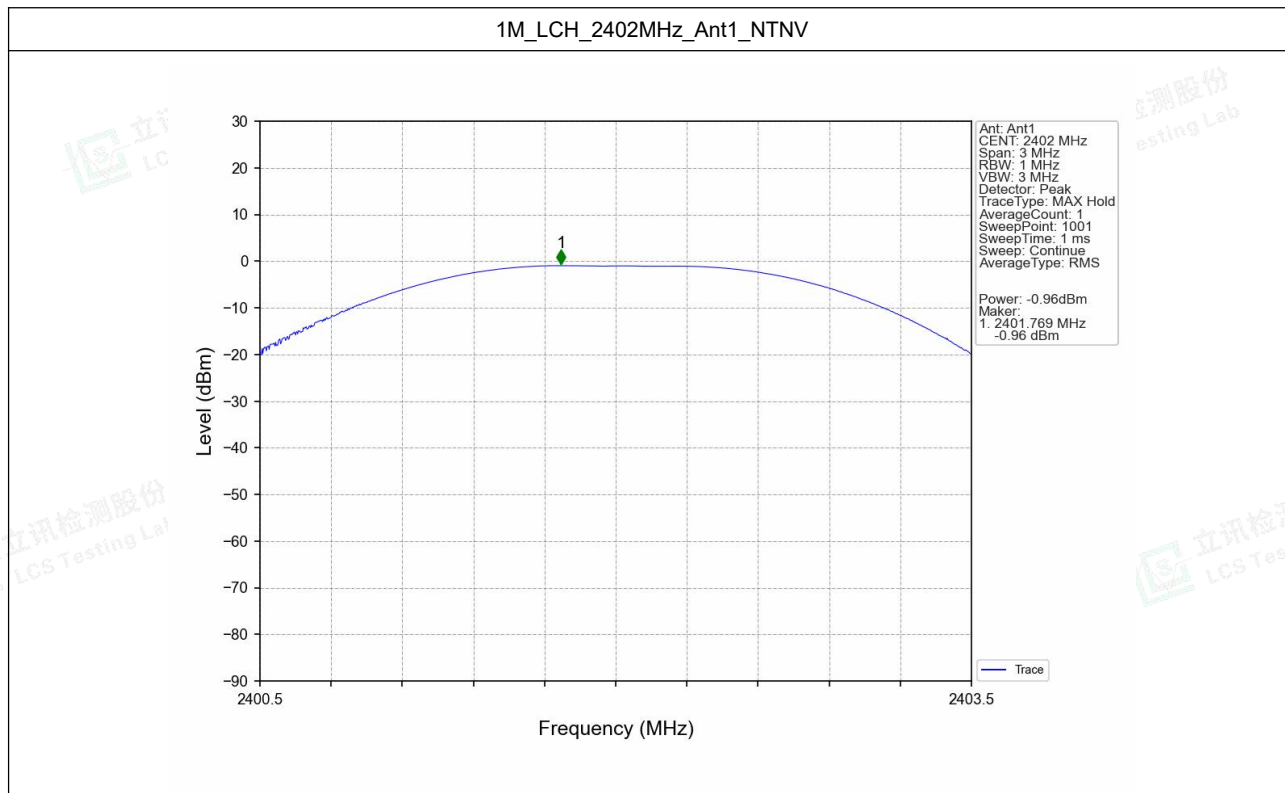




B.2 Maximum Peak Conducted Output Power

Left eye:

Mode	TX Type	Frequency (MHz)	Maximum Peak Conducted Output Power (dBm)		Verdict
			ANT1	Limit	
1M	SISO	2402	-0.96	<=30	Pass
		2440	-1.54	<=30	Pass
		2480	-3.11	<=30	Pass



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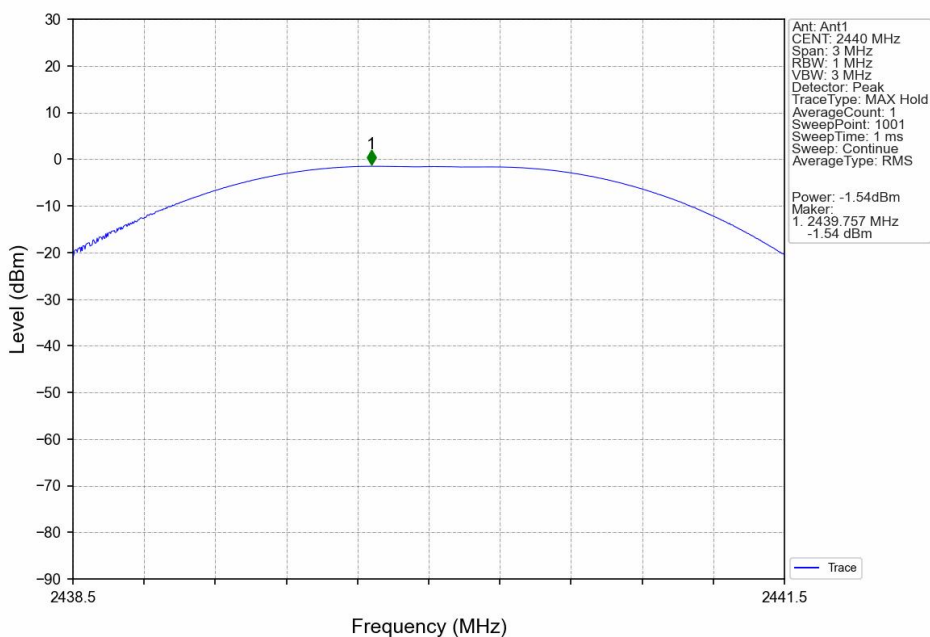
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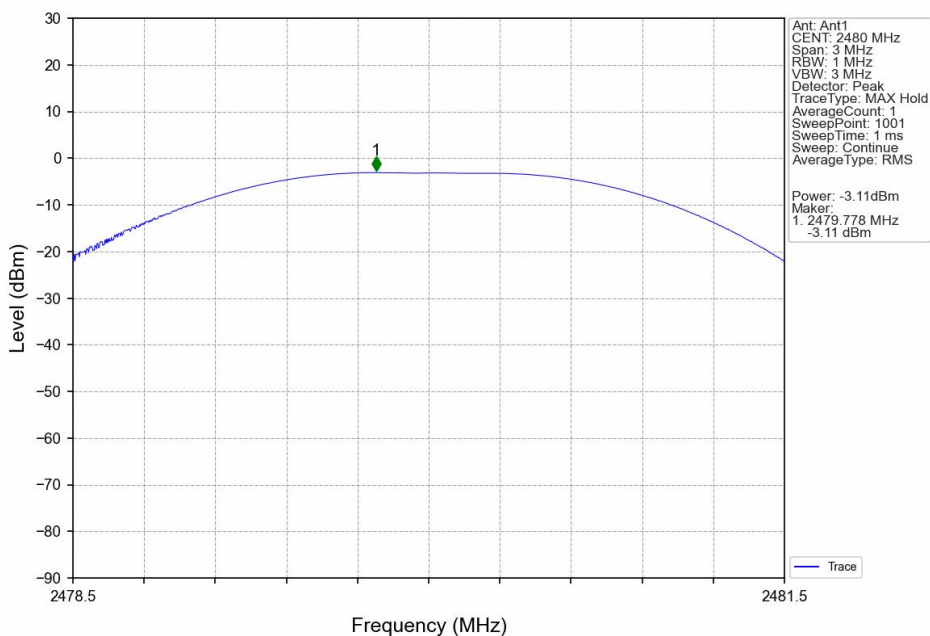
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1M_MCH_2440MHz_Ant1_NTNV



1M_HCH_2480MHz_Ant1_NTNV



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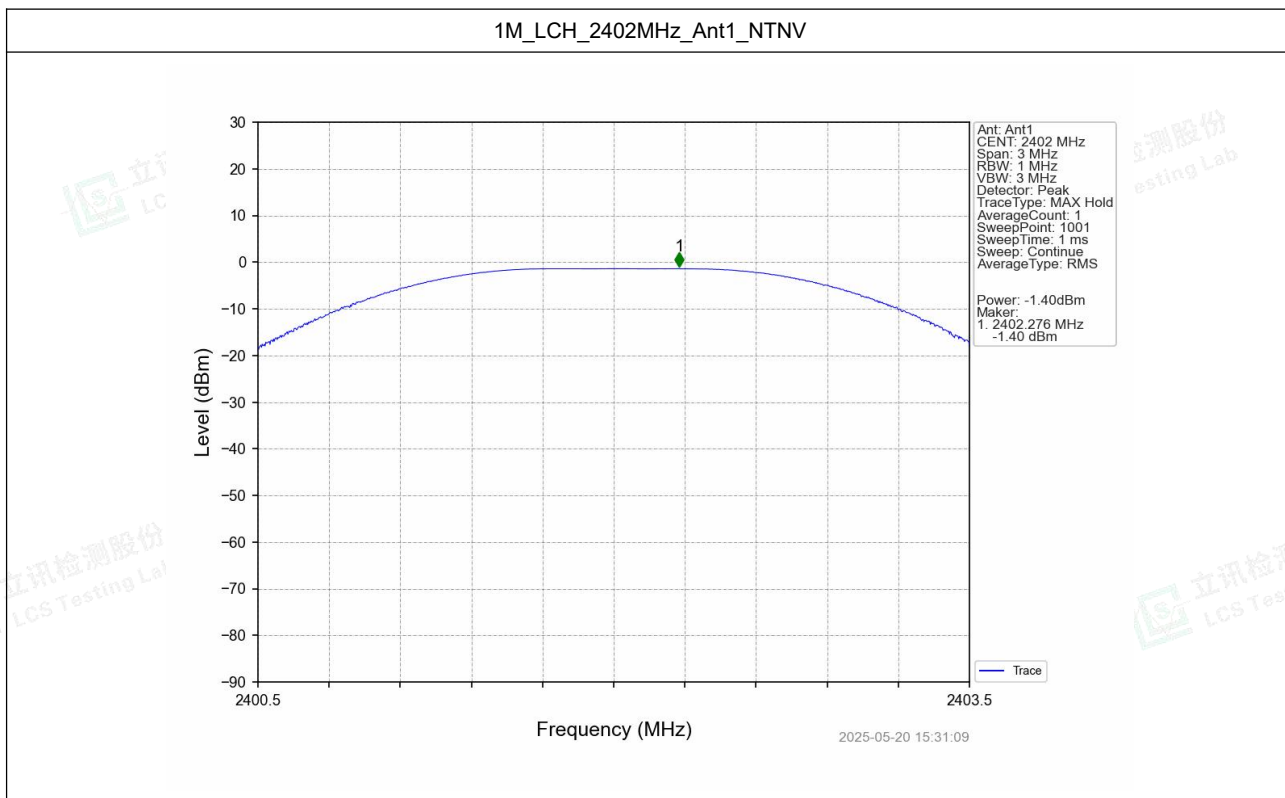
Tel: +(86) 0755-82591330 | E-mail: webmaster@lcs-cert.com | Web: www.lcs-cert.com

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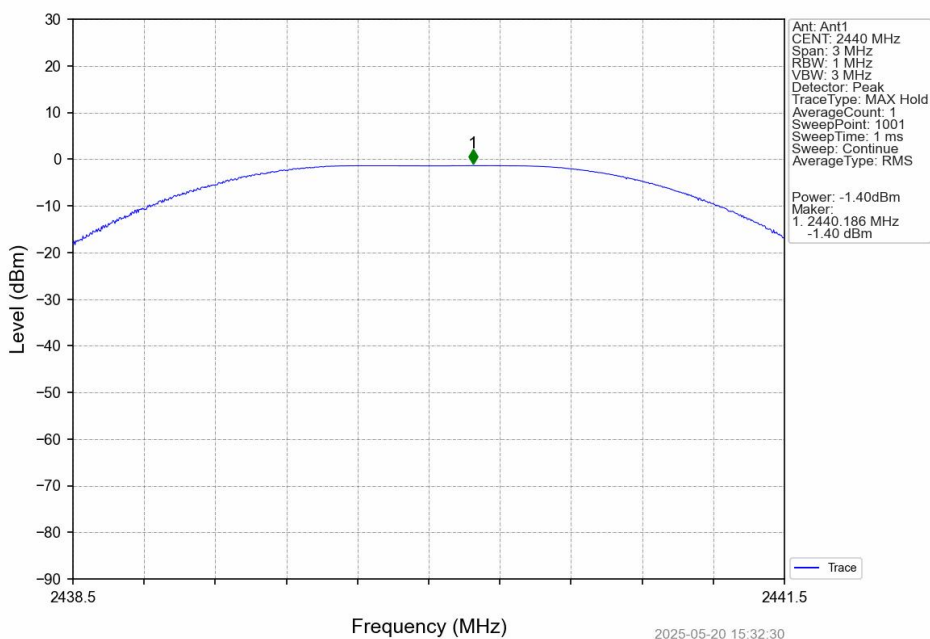
Right eye:

Mode	TX Type	Frequency (MHz)	Maximum Peak Conducted Output Power (dBm)		Verdict
			ANT1	Limit	
1M	SISO	2402	-1.40	<=30	Pass
		2440	-1.40	<=30	Pass
		2480	-1.48	<=30	Pass

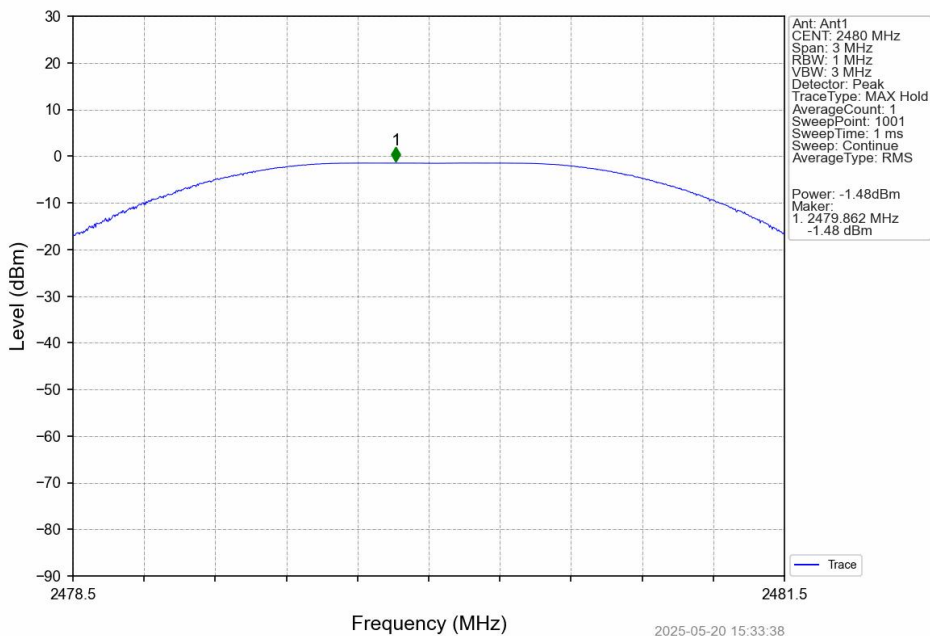




1M_MCH_2440MHz_Ant1_NTNV



1M_HCH_2480MHz_Ant1_NTNV



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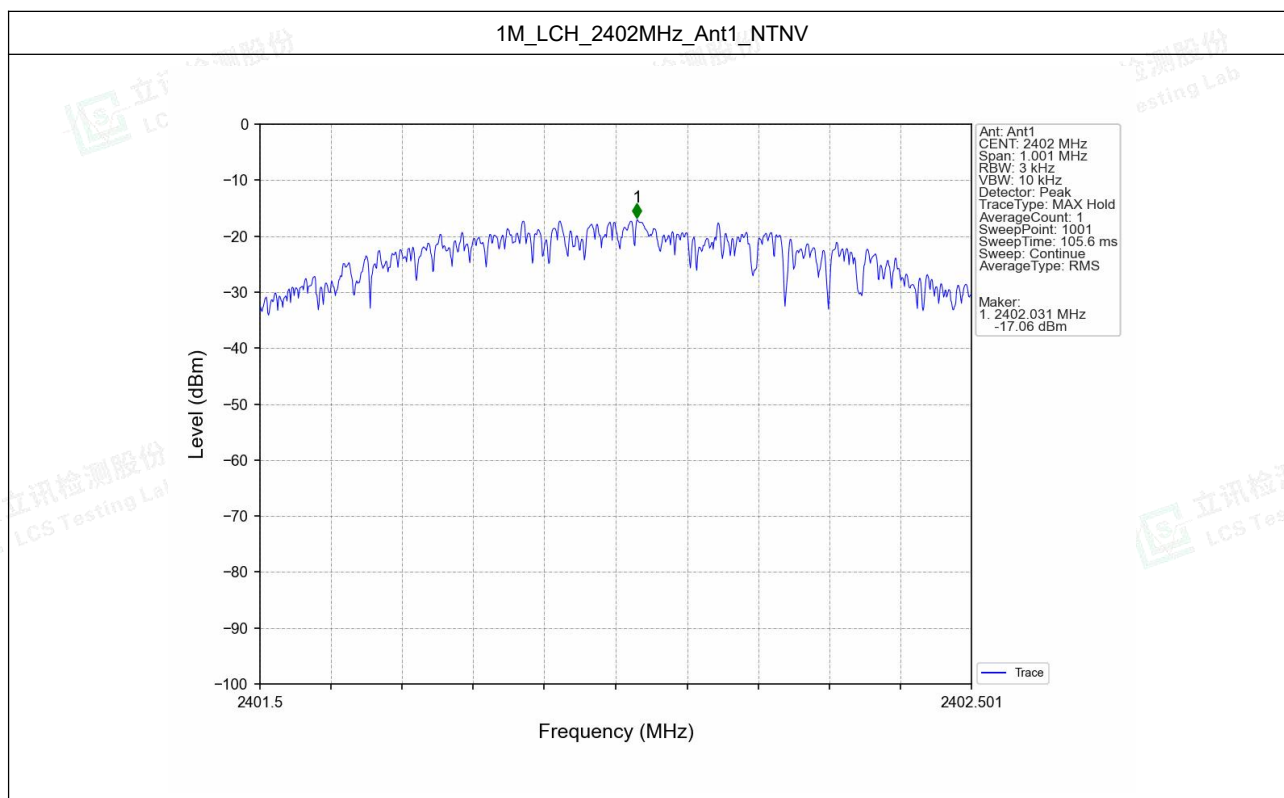
Scan code to check authenticity



B.3 Maximum Power Spectral Density Level

Left eye:

Mode	TX Type	Frequency (MHz)	Maximum PSD (dBm/3kHz)		Verdict
			ANT1	Limit	
1M	SISO	2402	-17.06	<=8	Pass
		2440	-17.66	<=8	Pass
		2480	-19.21	<=8	Pass



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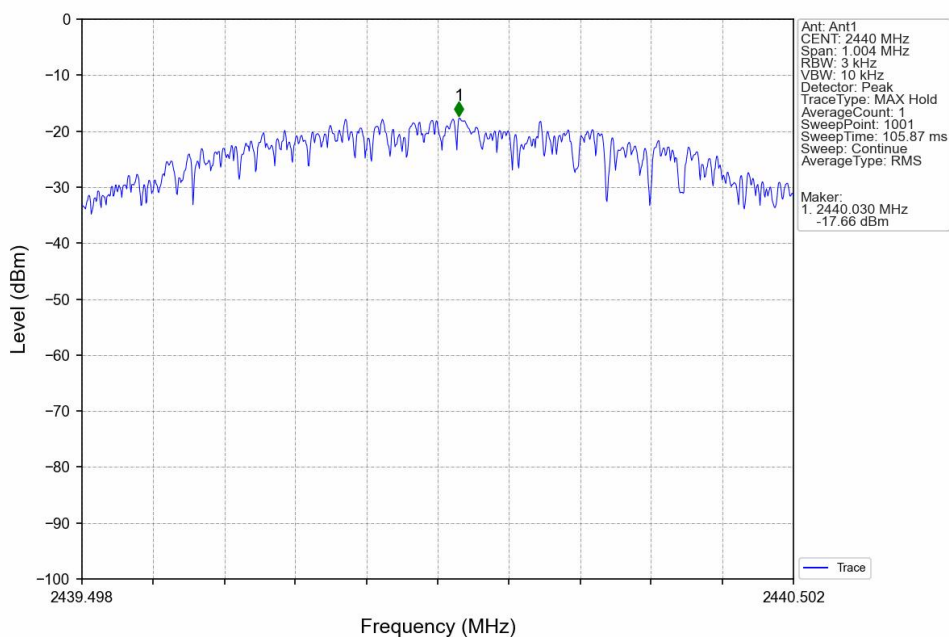
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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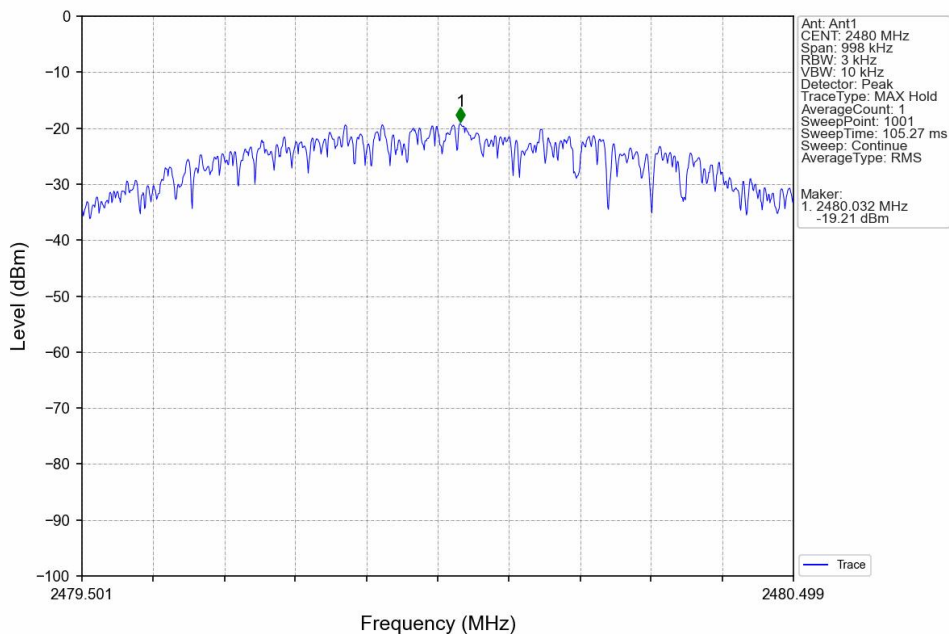
Scan code to check authenticity



1M_MCH_2440MHz_Ant1_NTNV



1M_HCH_2480MHz_Ant1_NTNV



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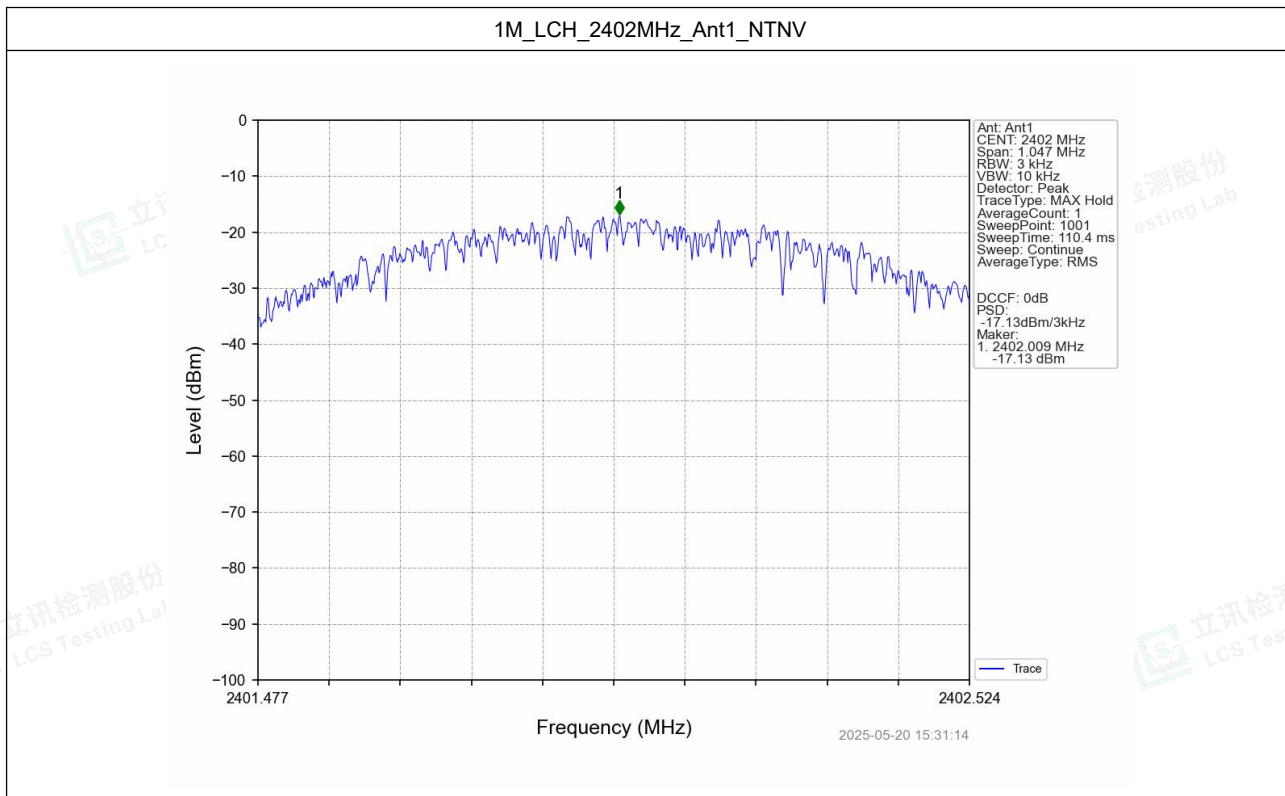
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Right eye:

Mode	TX Type	Frequency (MHz)	Maximum PSD (dBm/3kHz)		Verdict
			ANT1	Limit	
1M	SISO	2402	-17.13	<=8	Pass
		2440	-17.00	<=8	Pass
		2480	-15.62	<=8	Pass



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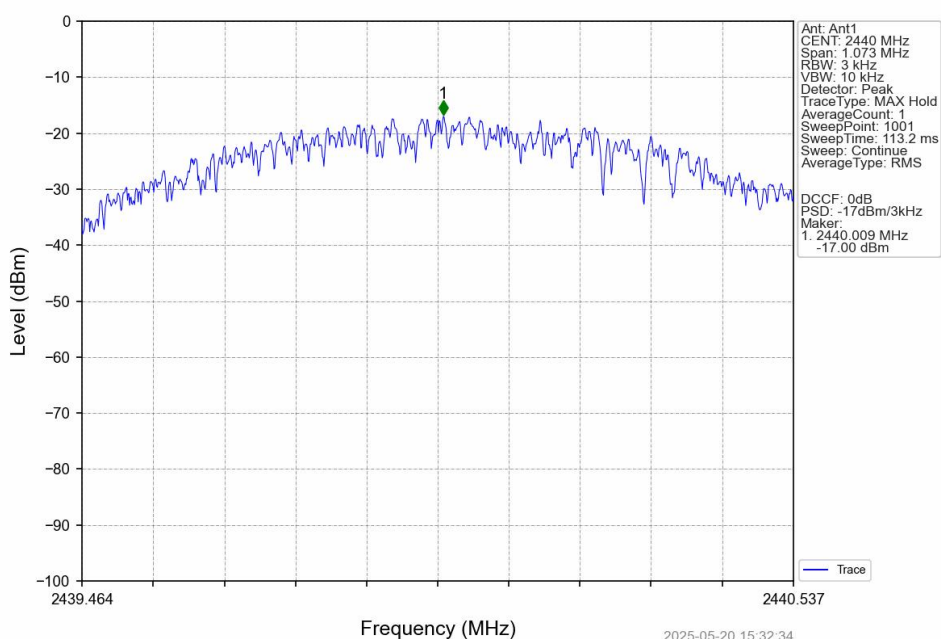
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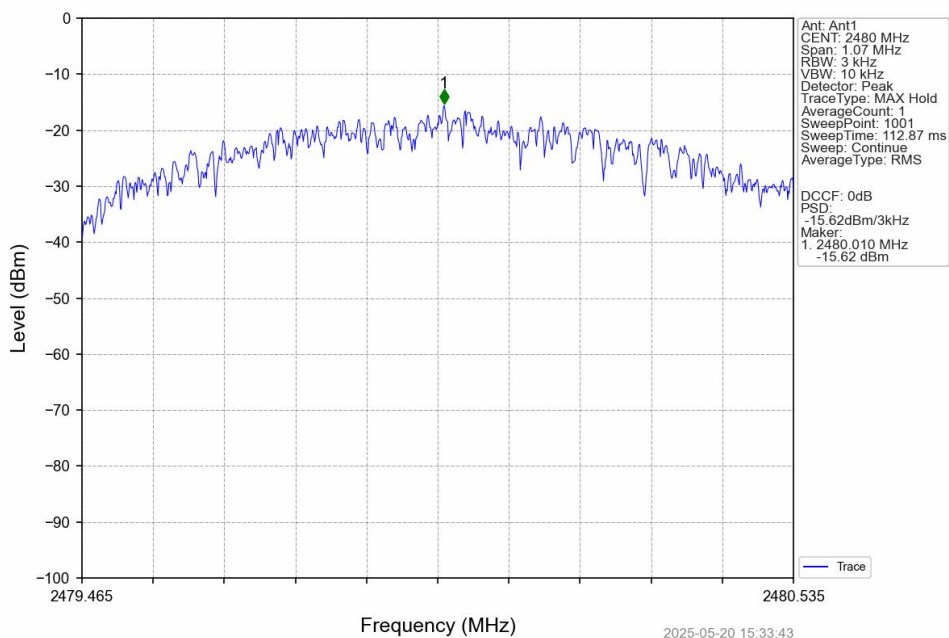
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1M_MCH_2440MHz_Ant1_NTNV



1M_HCH_2480MHz_Ant1_NTNV



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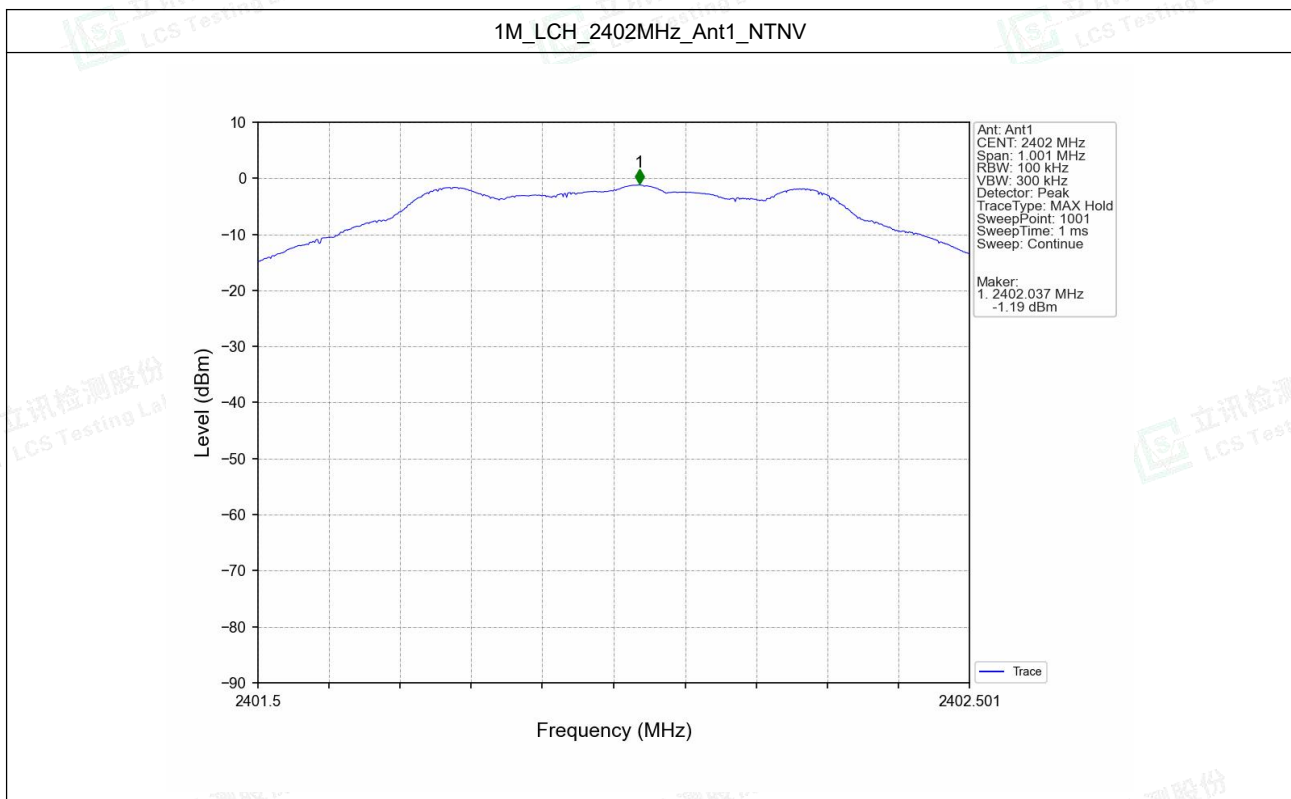


B.4 Band Edge

Left eye:

Mode	Tx Type	Frequency (MHz)	ANT	Level of Reference (dBm)	Limit (dBm)	Verdict
1M	SISO	2402	1	-1.19	-21.19	Pass
		2440	1	-1.19	-21.19	Pass
		2480	1	-1.19	-21.19	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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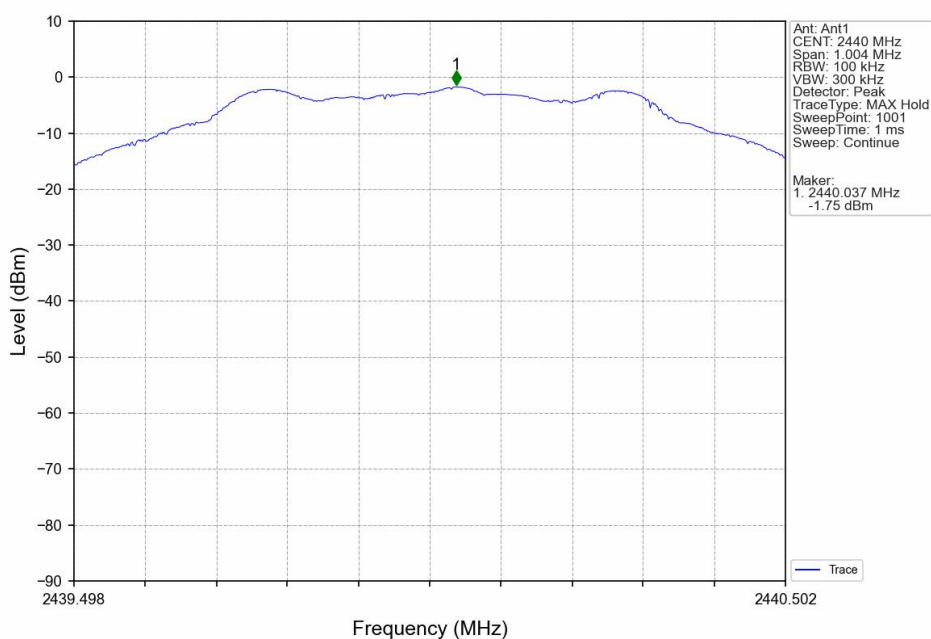
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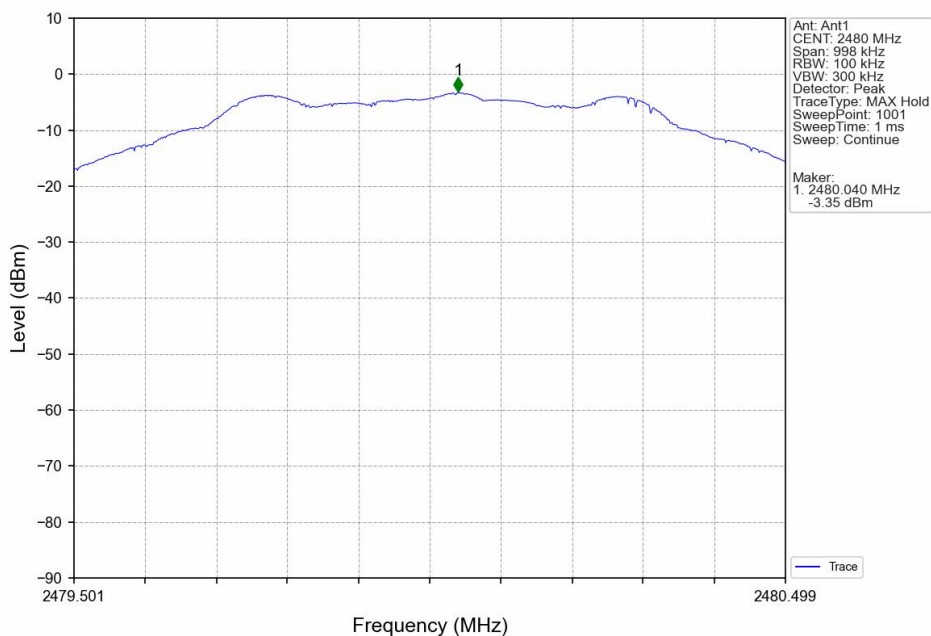
Scan code to check authenticity



1M_MCH_2440MHz_Ant1_NTNV

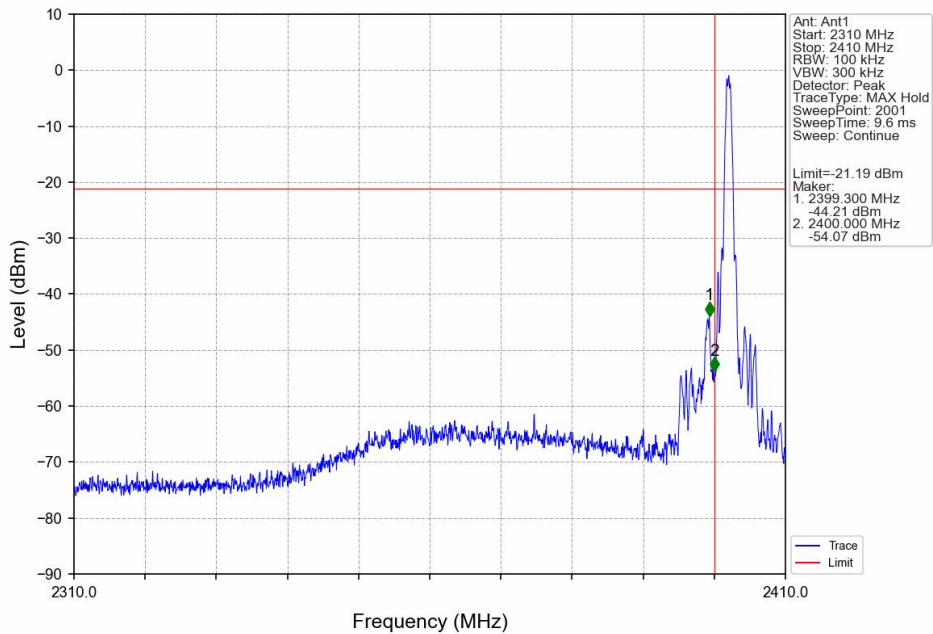


1M_HCH_2480MHz_Ant1_NTNV

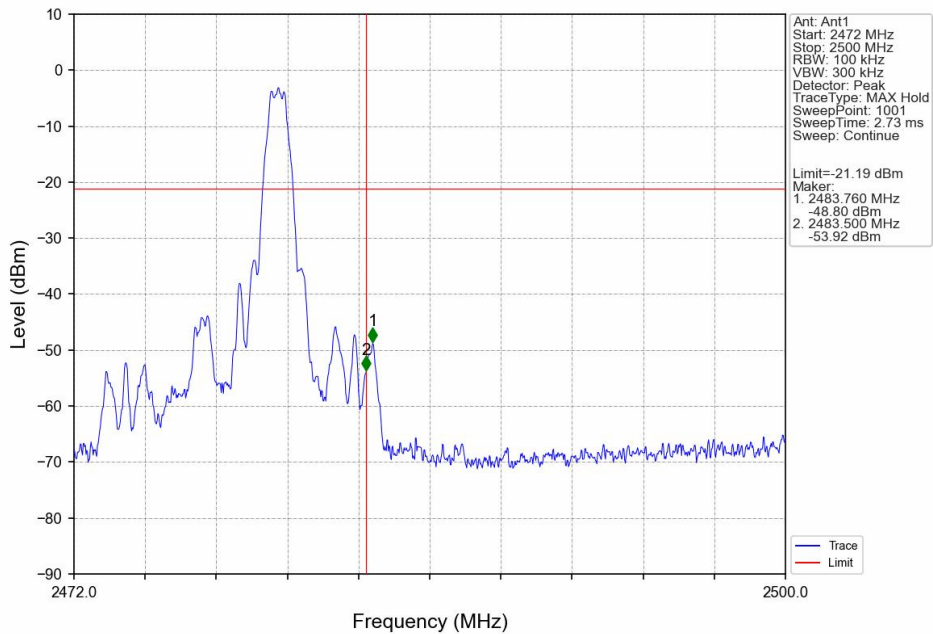




1M_LCH_2402MHz_Ant1_NTNV



1M_HCH_2480MHz_Ant1_NTNV



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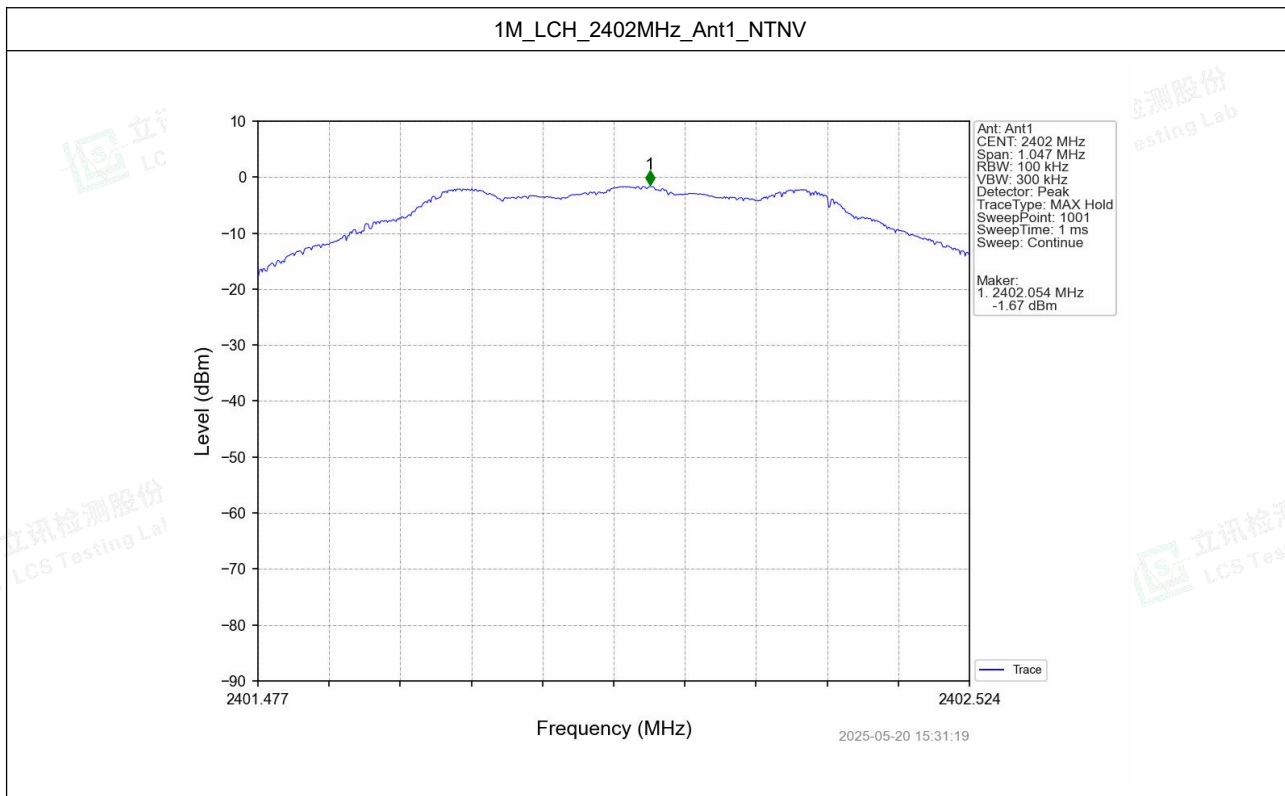
Scan code to check authenticity



Right eye:

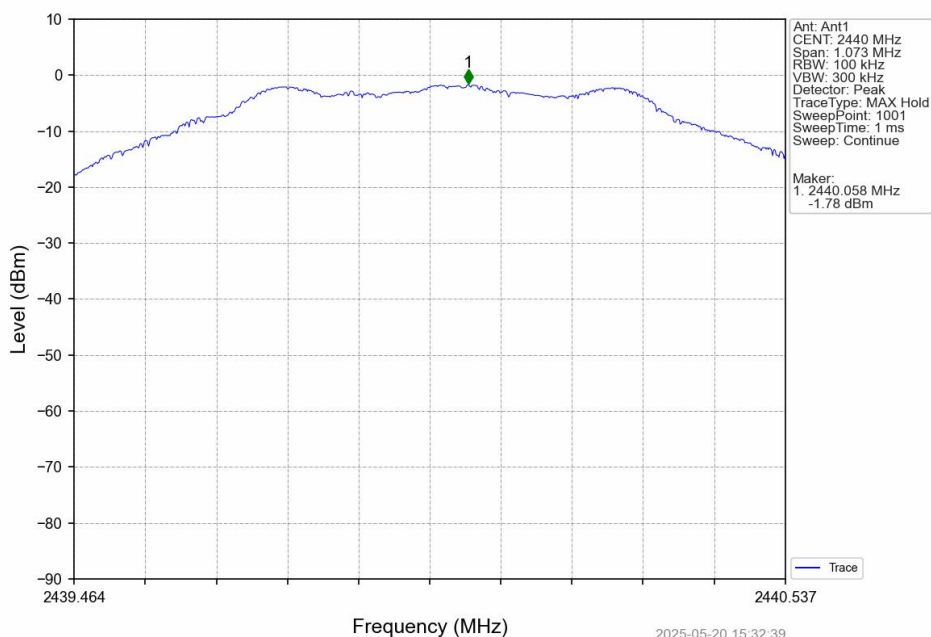
Mode	TX Type	Frequency (MHz)	ANT	Level of Reference (dBm)	Limit (dBm)	Verdict
1M	SISO	2402	1	-1.67	-21.67	Pass
		2440	1	-1.67	-21.67	Pass
		2480	1	-1.67	-21.67	Pass

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.

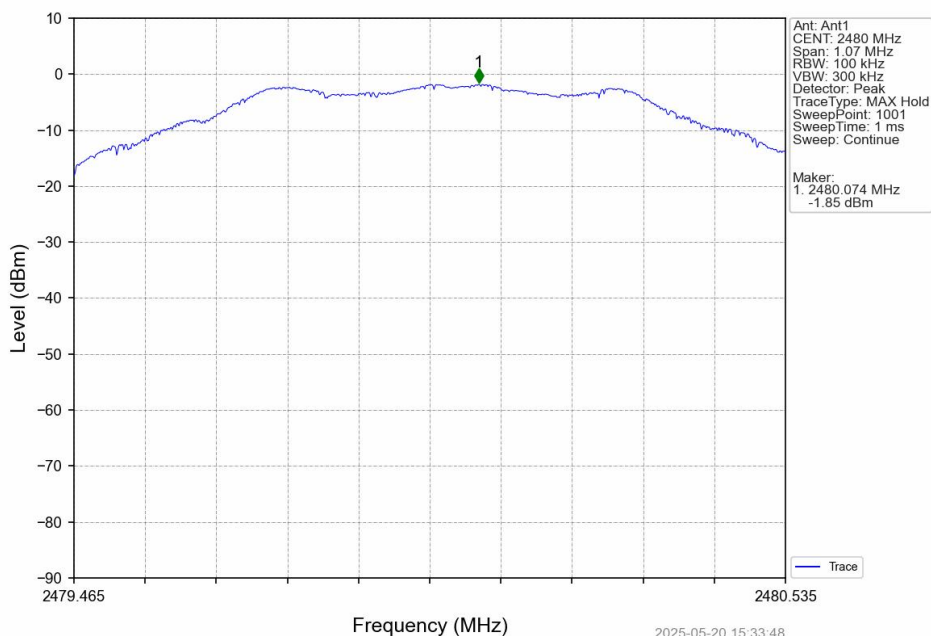




1M_MCH_2440MHz_Ant1_NTNV

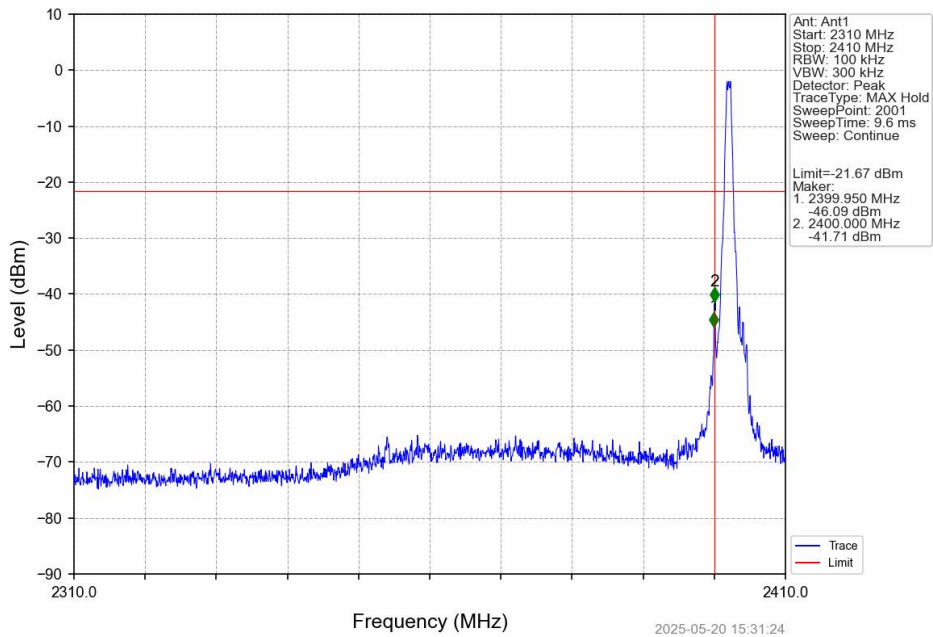


1M_HCH_2480MHz_Ant1_NTNV

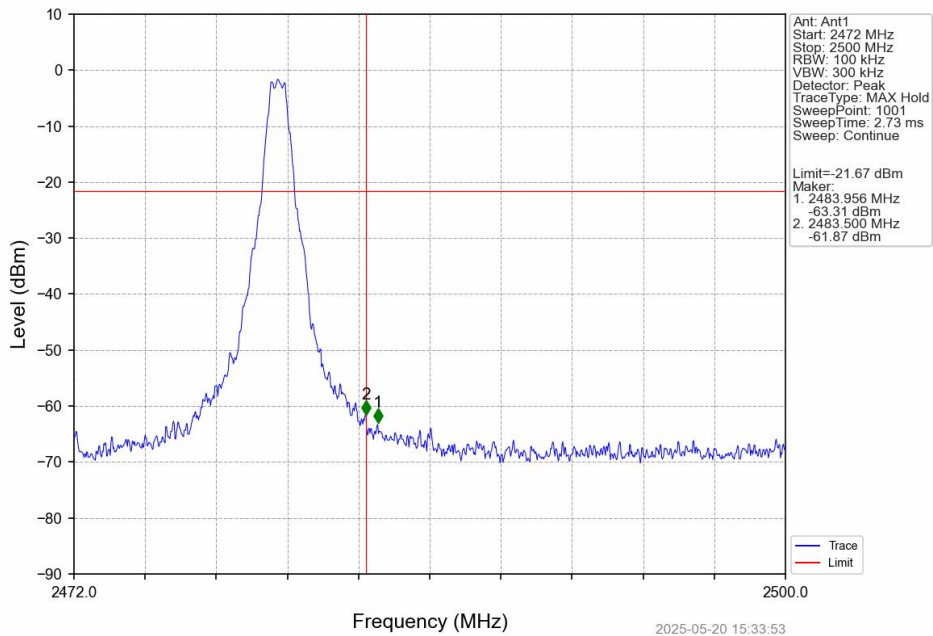




1M_LCH_2402MHz_Ant1_NTNV



1M_HCH_2480MHz_Ant1_NTNV



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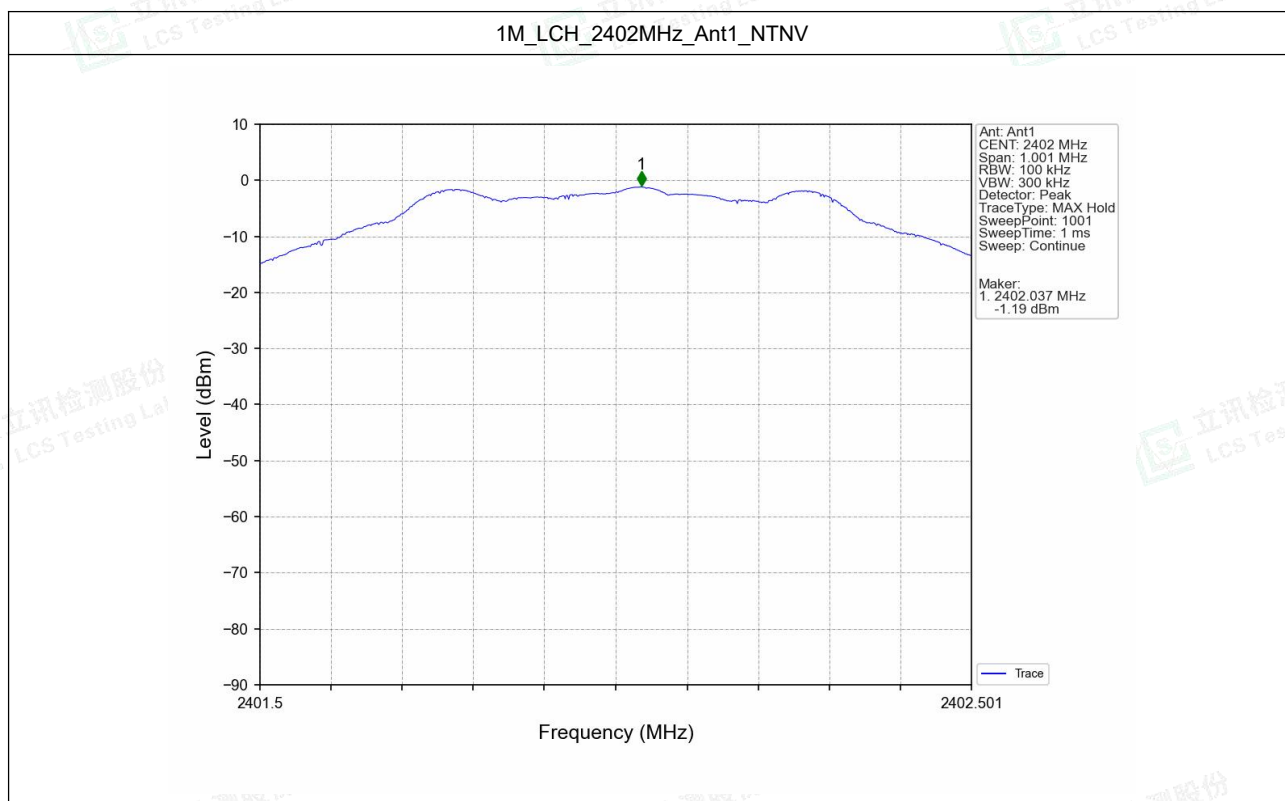


B.5 Conducted RF Spurious Emission

Left eye:

Mode	TX Type	Frequency (MHz)	ANT	Level of Reference (dBm)
1M	SISO	2402	1	-1.19
		2440	1	-1.75
		2480	1	-3.35

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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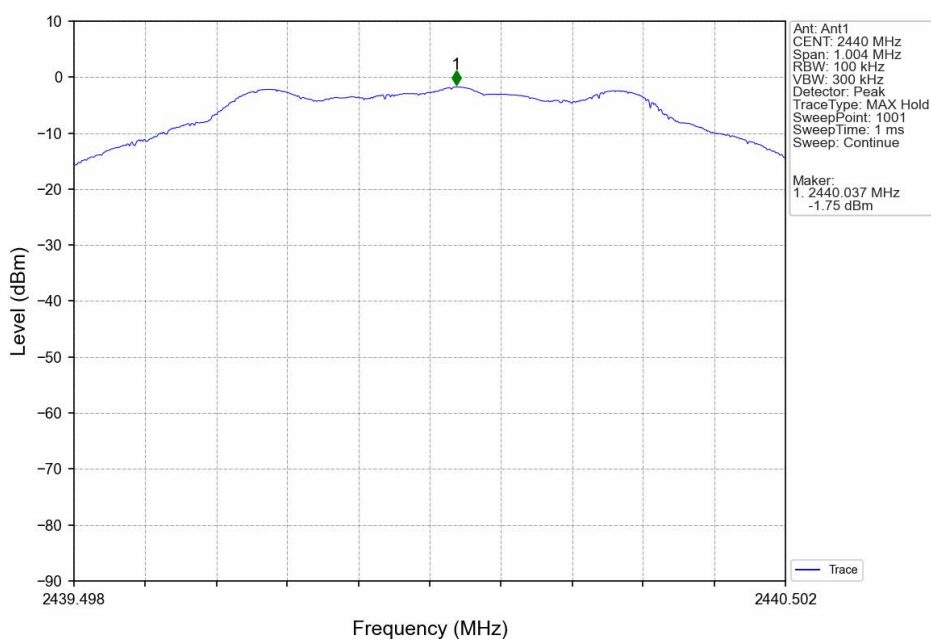
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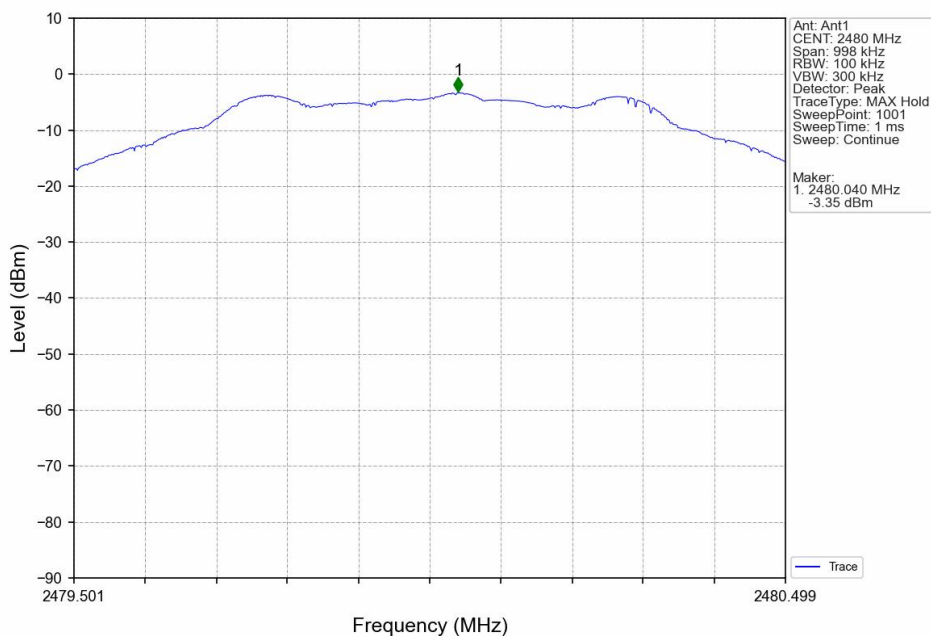
Scan code to check authenticity



1M_MCH_2440MHz_Ant1_NTNV

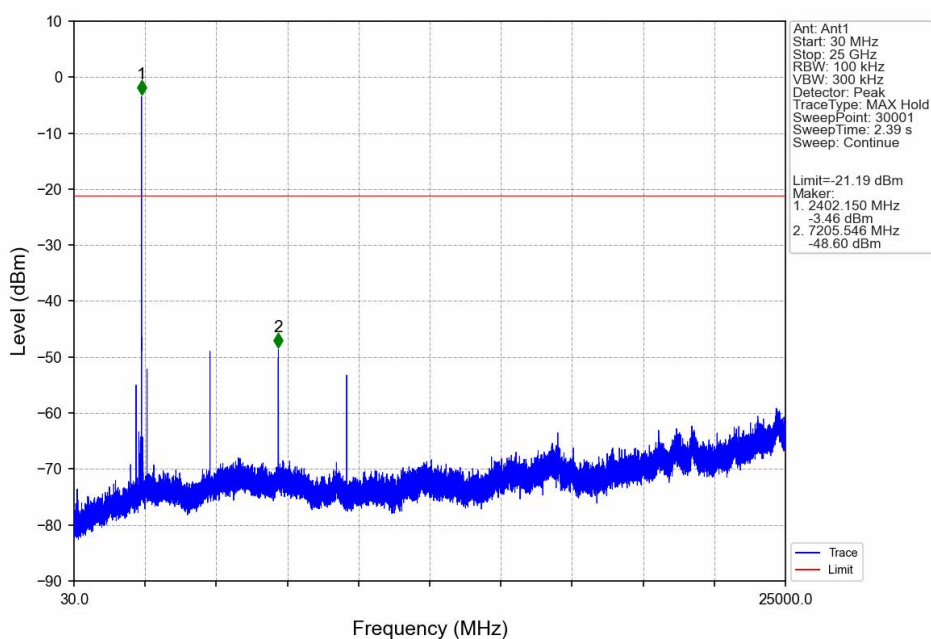


1M_HCH_2480MHz_Ant1_NTNV

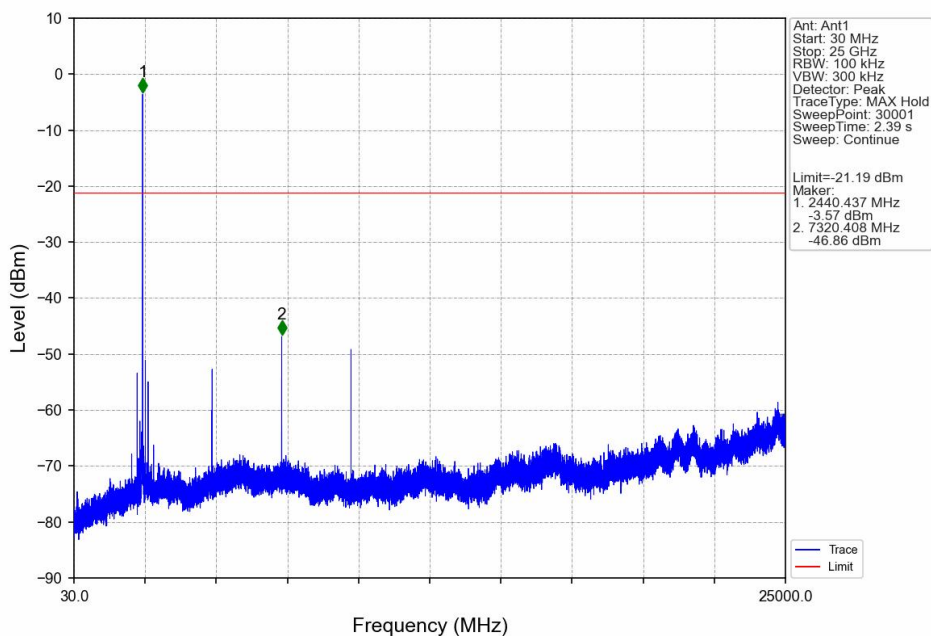


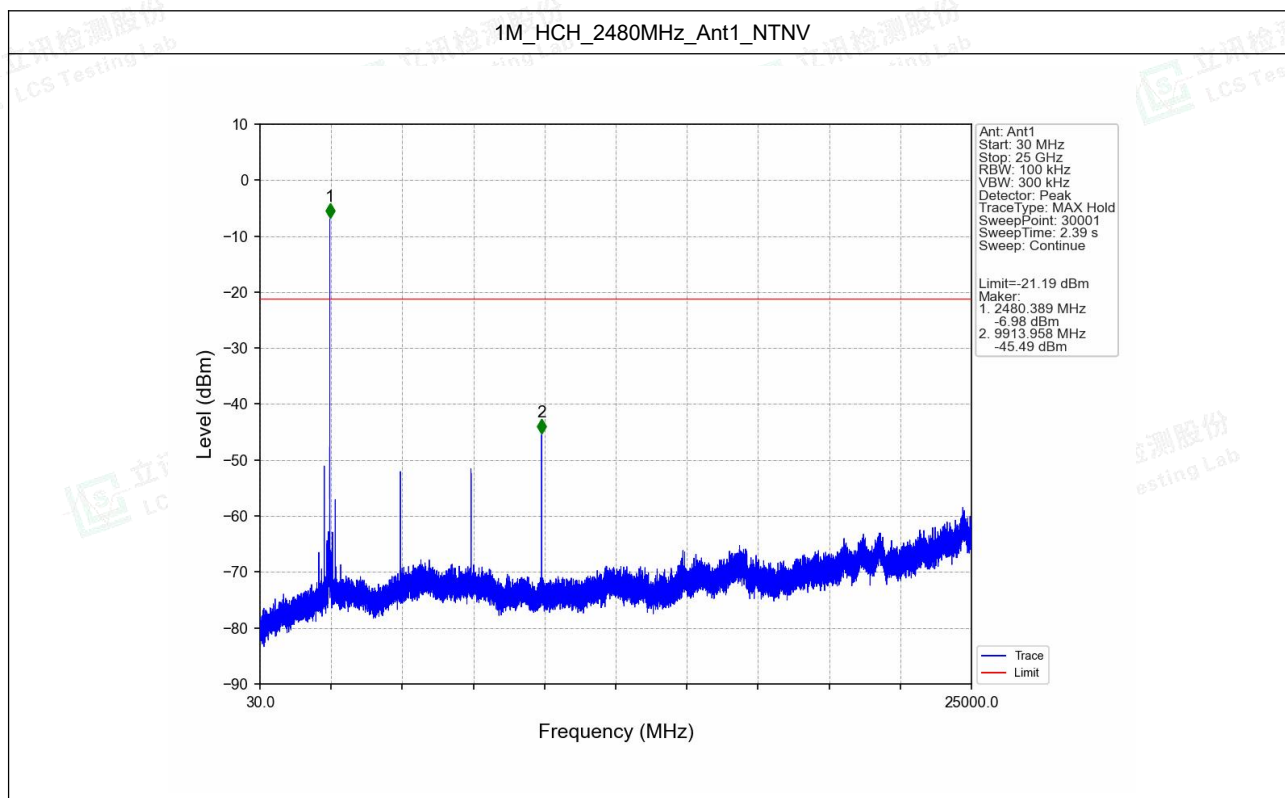


1M_LCH_2402MHz_Ant1_NTNV



1M_MCH_2440MHz_Ant1_NTNV





Right eye:

Mode	TX Type	Frequency (MHz)	ANT	Level of Reference (dBm)
1M	SISO	2402	1	-1.67
		2440	1	-1.78
		2480	1	-1.85

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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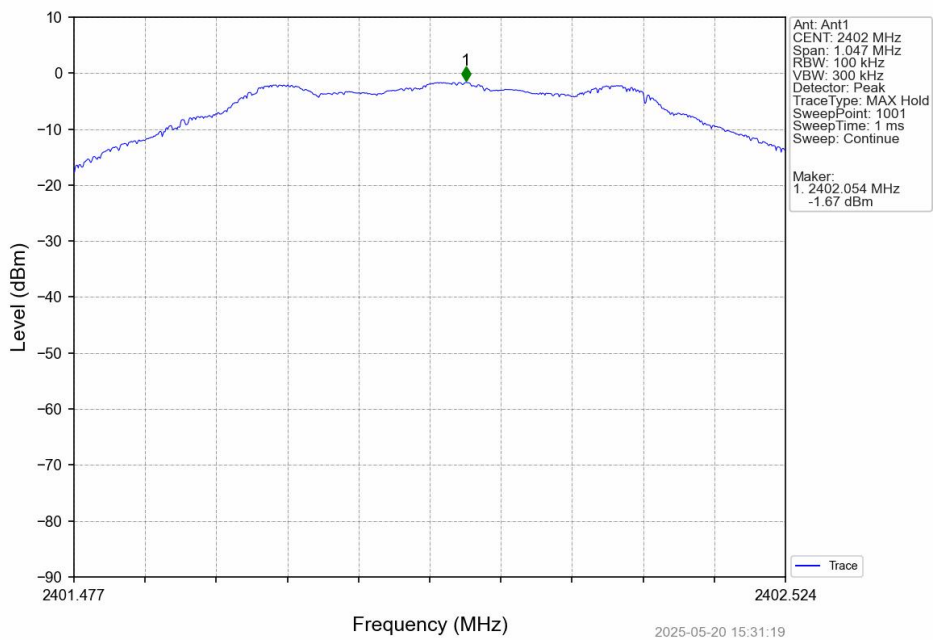
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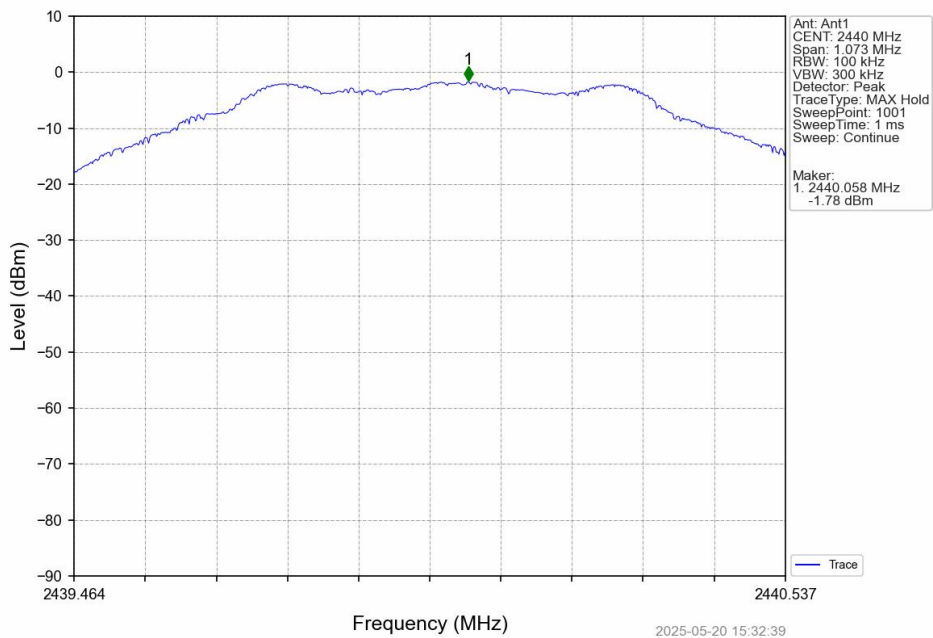
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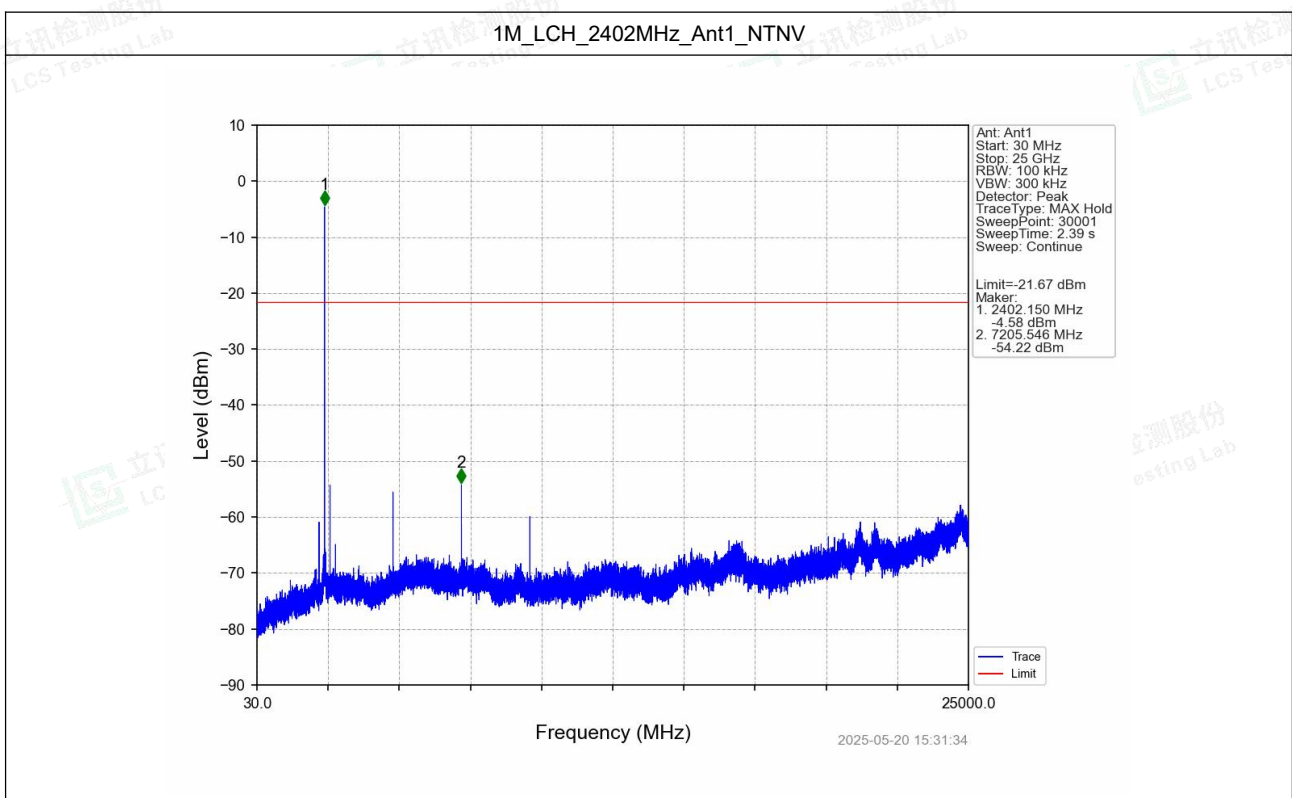
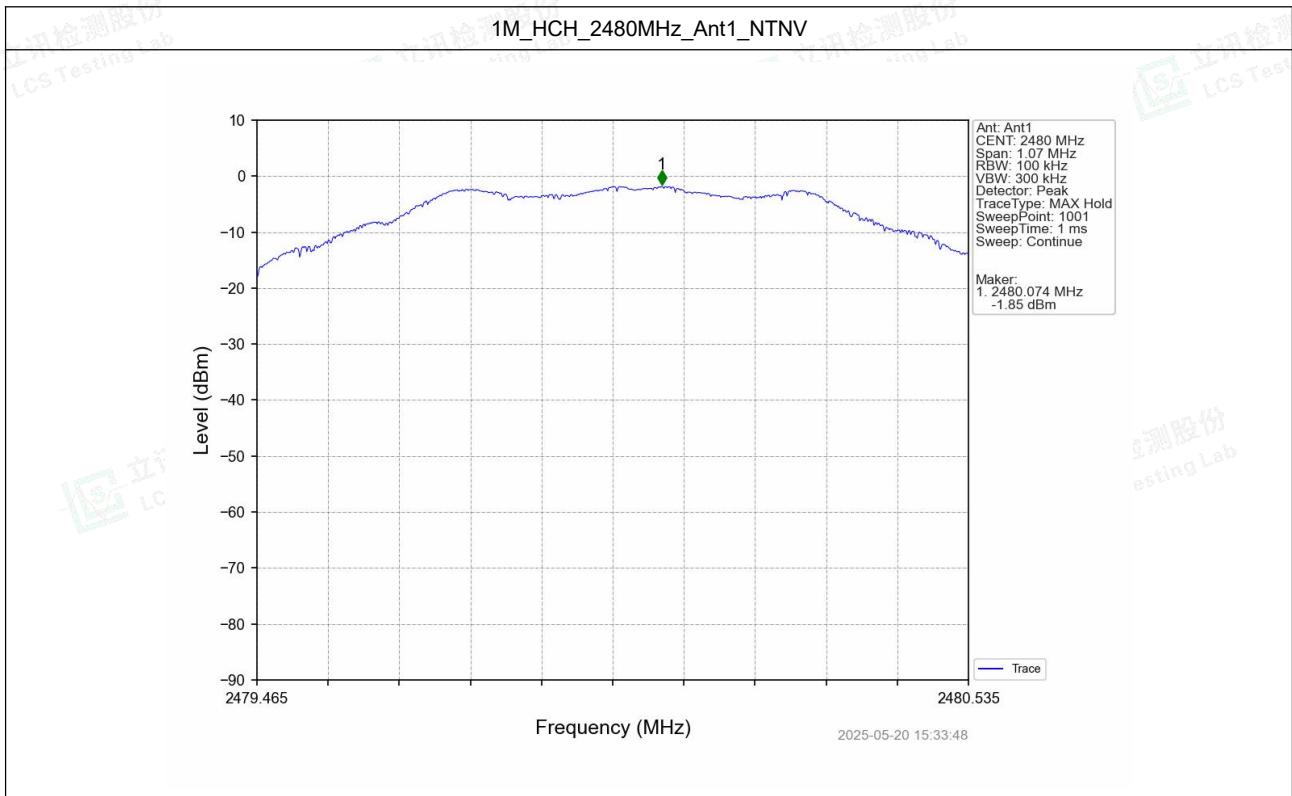


1M_LCH_2402MHz_Ant1_NTNV



1M_MCH_2440MHz_Ant1_NTNV





Shenzhen LCS Compliance Testing Laboratory Ltd.

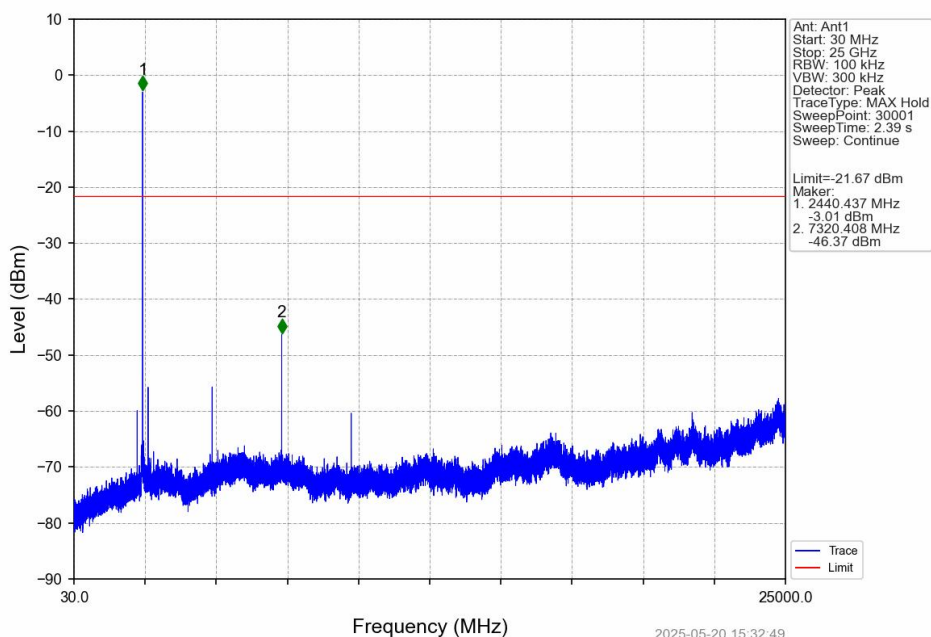
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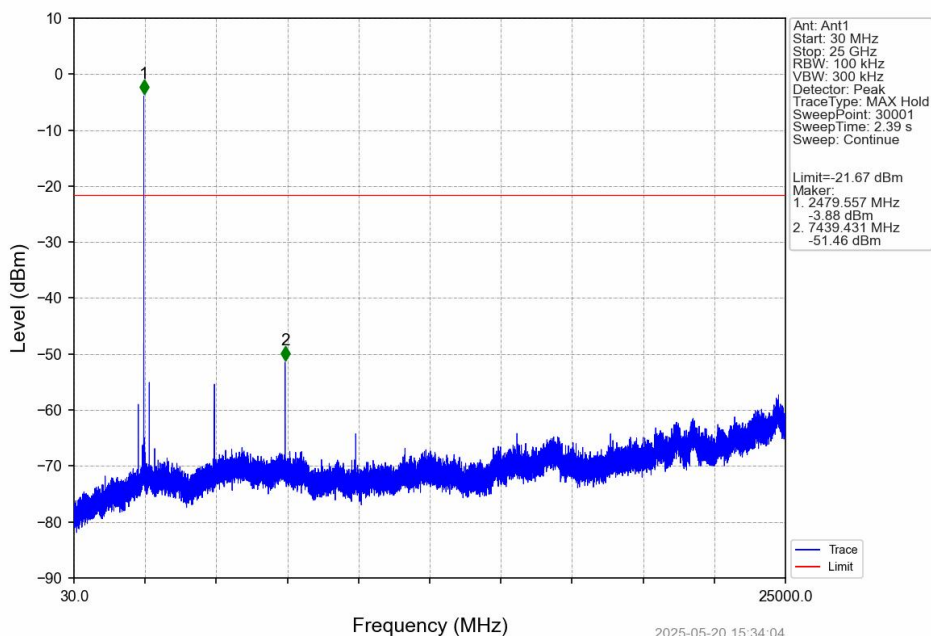
Scan code to check authenticity



1M_MCH_2440MHz_Ant1_NTNV



1M_HCH_2480MHz_Ant1_NTNV

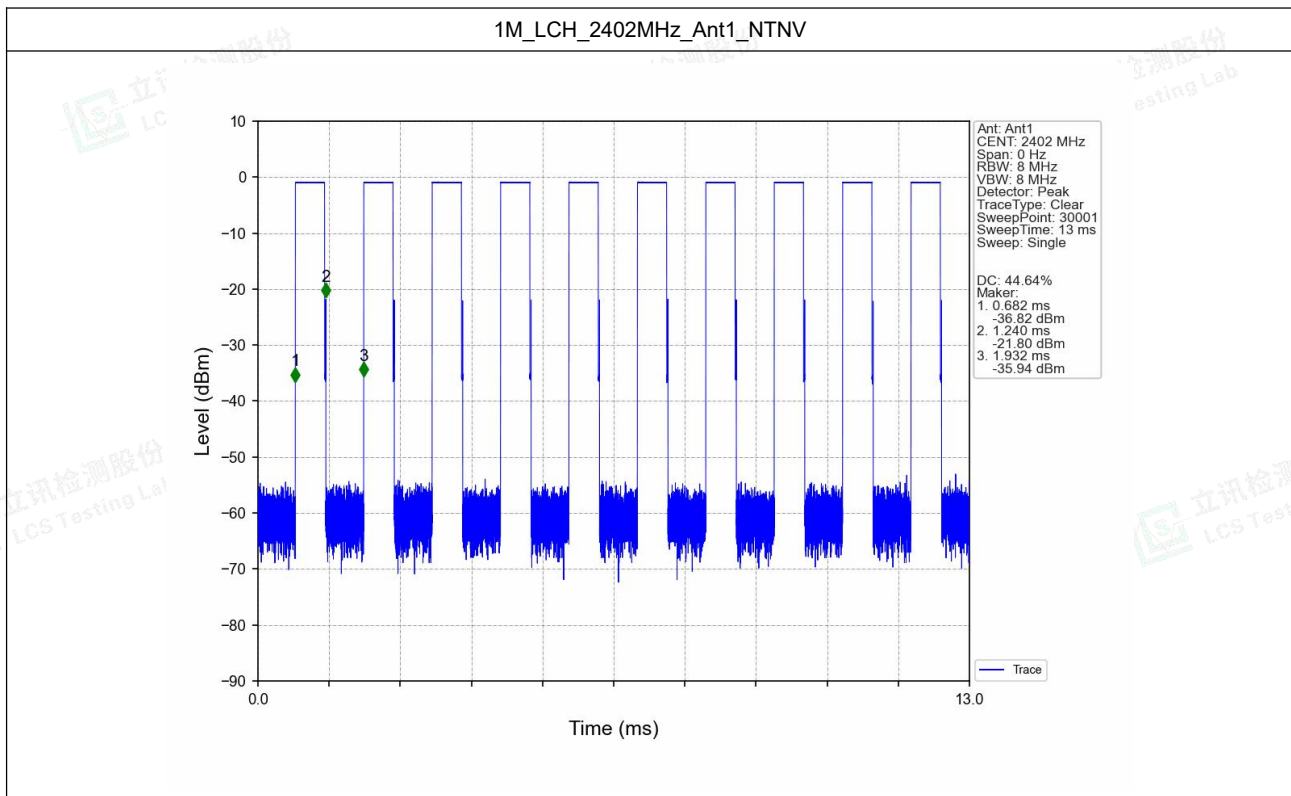




B.6 Duty Cycle

Left eye:

Mode	TX Type	Frequency (MHz)	T_on (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)	Max. DC Variation (%)
1M	SISO	2402	0.558	1.250	44.64	3.50	0.03
		2440	0.558	1.250	44.64	3.50	0.03
		2480	0.559	1.251	44.68	3.50	0.03



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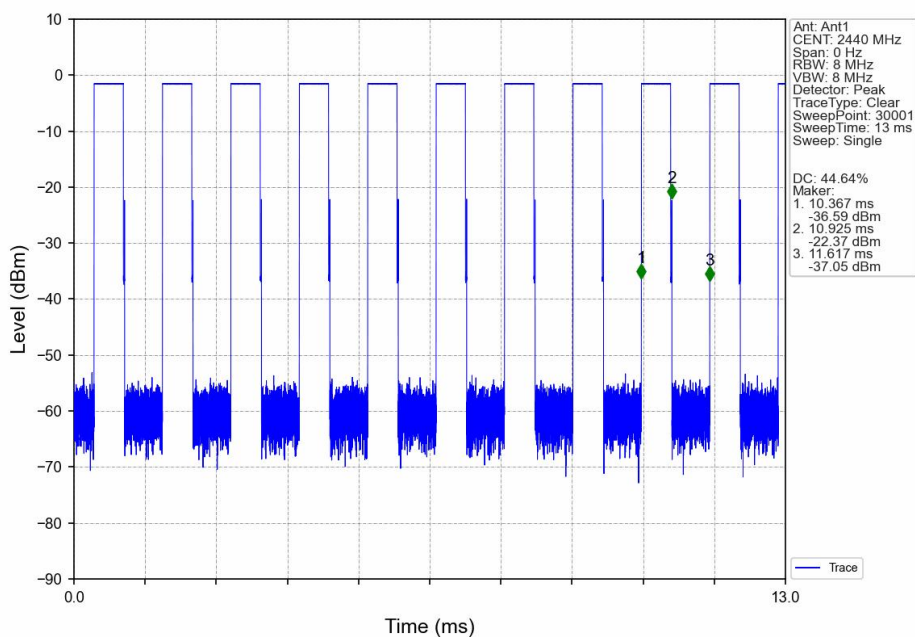
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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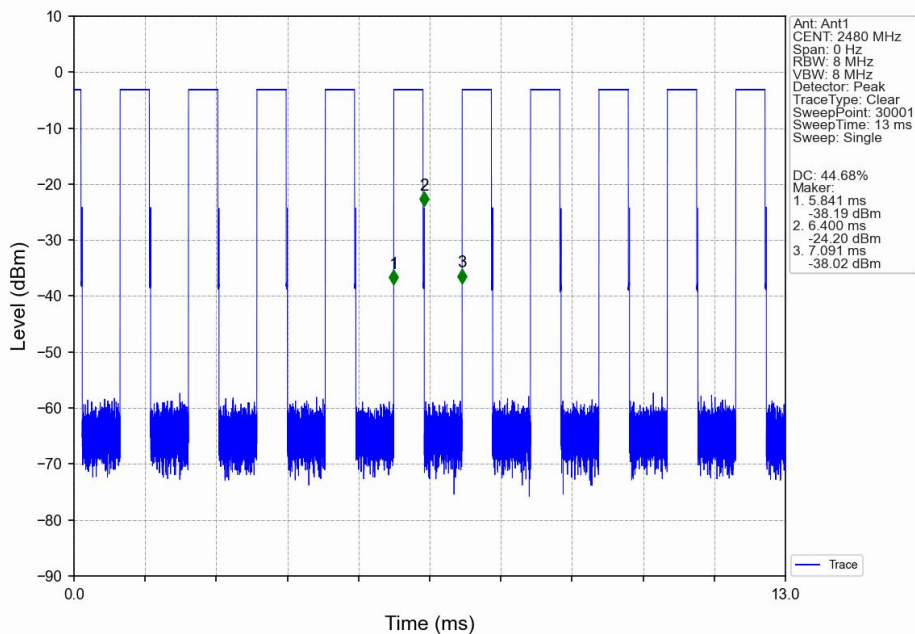
Scan code to check authenticity



1M_MCH_2440MHz_Ant1_NTNV



1M_HCH_2480MHz_Ant1_NTNV



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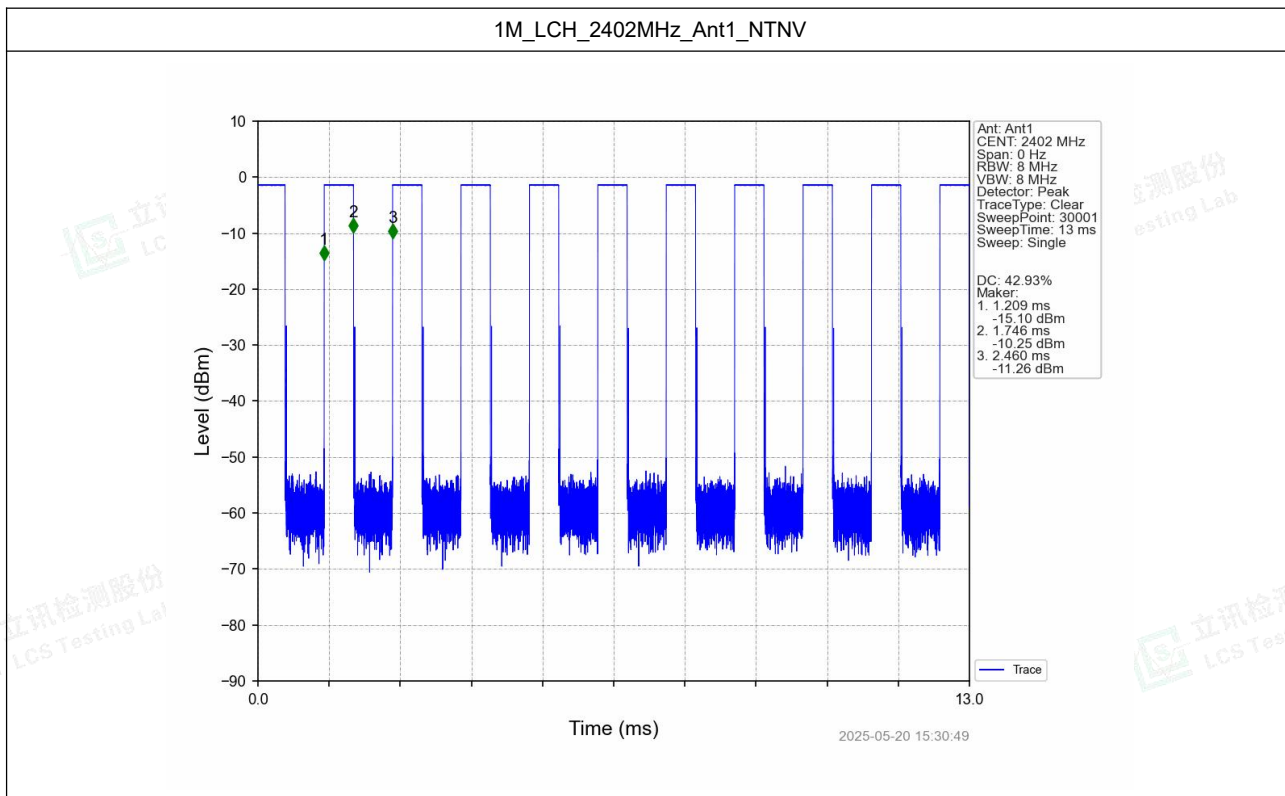
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Right eye:

Mode	TX Type	Frequency (MHz)	T_on (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)	Max. DC Variation (%)
1M	SISO	2402	0.537	1.251	42.93	3.67	0.03
		2440	0.536	1.250	42.88	3.68	0.03
		2480	0.537	1.250	42.96	3.67	0.03



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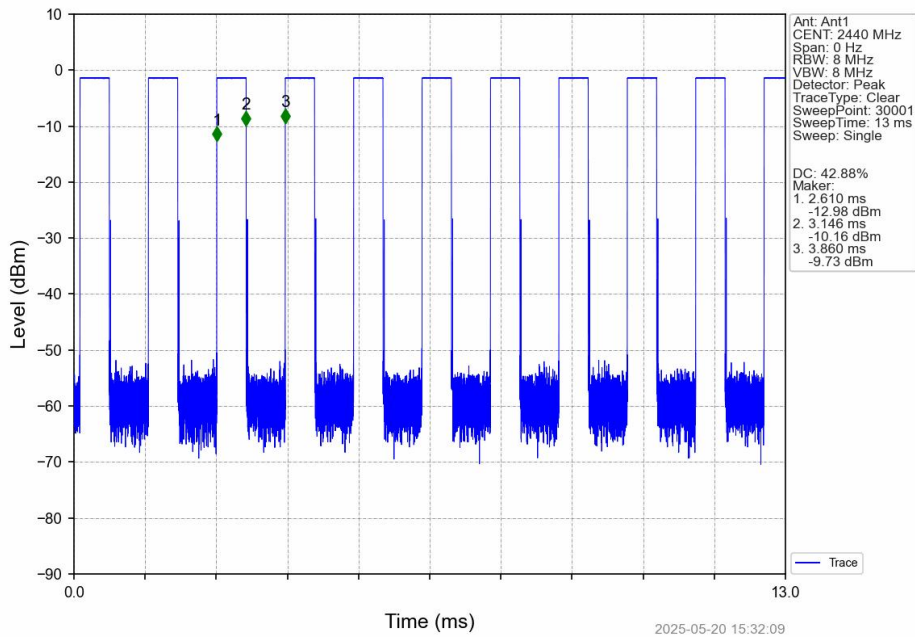
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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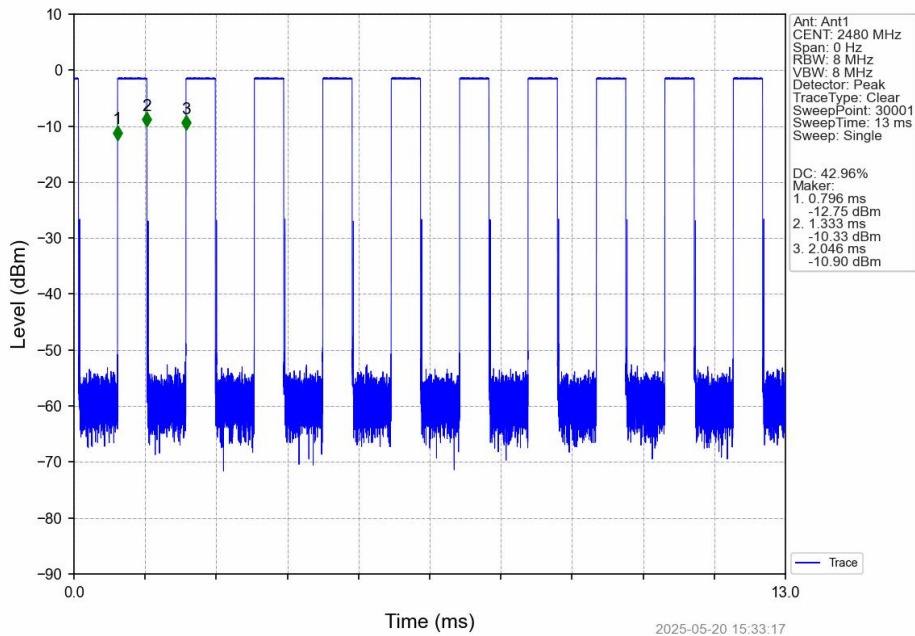
Scan code to check authenticity



1M_MCH_2440MHz_Ant1_NTNV



1M_HCH_2480MHz_Ant1_NTNV

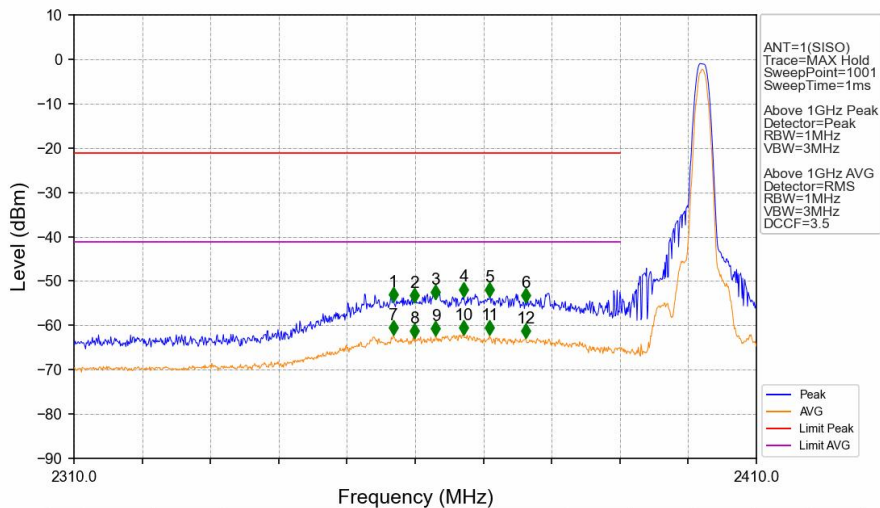




B.7 Restrict Band

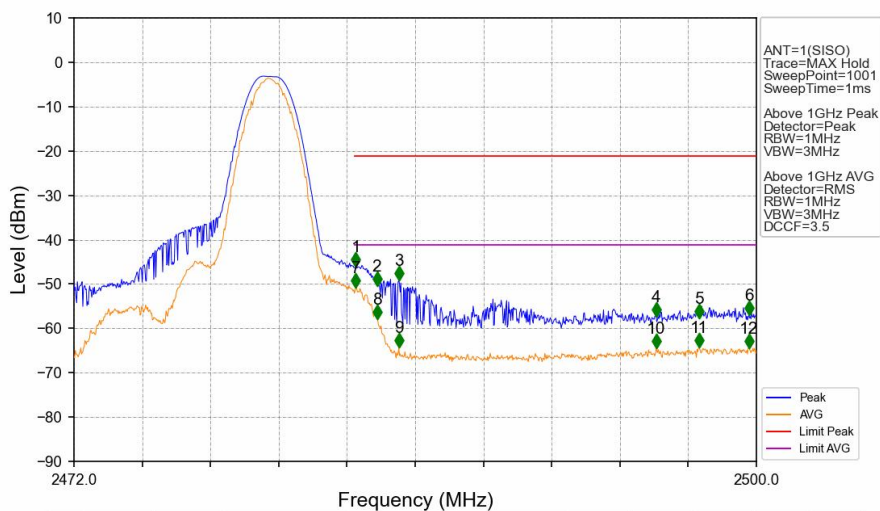
Left eye:

1M_LCH_2402MHz_Ant1_NTNV



No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark	No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark
1	2356.800	-54.53	-21.20	33.33	Pass	Peak	7	2356.800	-62.13	-41.20	20.93	Pass	AVG
2	2359.900	-54.76	-21.20	33.56	Pass	Peak	8	2359.900	-62.78	-41.20	21.58	Pass	AVG
3	2363.000	-54.05	-21.20	32.85	Pass	Peak	9	2363.000	-62.23	-41.20	21.03	Pass	AVG
4	2367.100	-53.42	-21.20	32.22	Pass	Peak	10	2367.100	-62.05	-41.20	20.85	Pass	AVG
5	2370.900	-53.45	-21.20	32.25	Pass	Peak	11	2370.900	-62.11	-41.20	20.91	Pass	AVG
6	2376.200	-54.81	-21.20	33.61	Pass	Peak	12	2376.200	-62.75	-41.20	21.55	Pass	AVG

1M_HCH_2480MHz_Ant1_NTNV



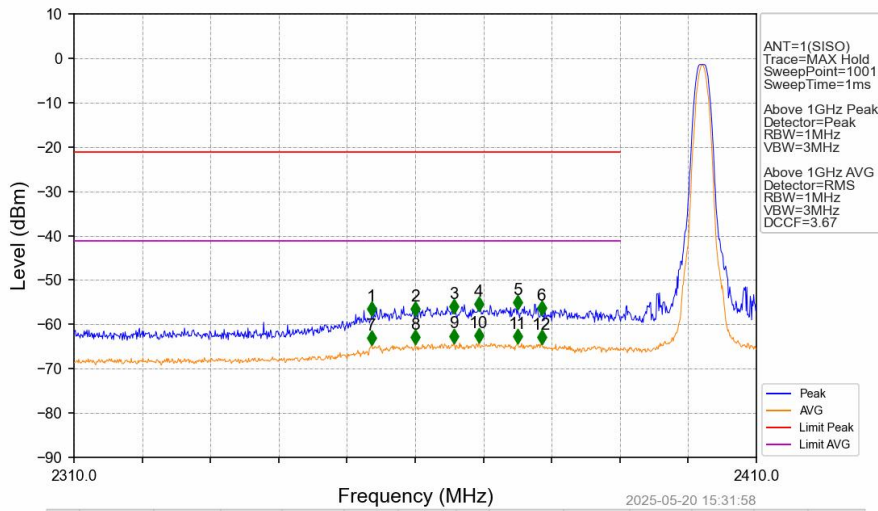
No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark	No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark
1	2483.564	-46.04	-21.20	24.84	Pass	Peak	7	2483.564	-50.72	-41.20	9.52	Pass	AVG
2	2484.432	-50.40	-21.20	29.20	Pass	Peak	8	2484.432	-57.81	-41.20	16.61	Pass	AVG
3	2485.328	-49.08	-21.20	27.88	Pass	Peak	9	2485.328	-64.29	-41.20	23.09	Pass	AVG
4	2495.884	-57.32	-21.20	36.12	Pass	Peak	10	2495.884	-64.47	-41.20	23.27	Pass	AVG
5	2497.648	-57.67	-21.20	36.47	Pass	Peak	11	2497.648	-64.34	-41.20	23.14	Pass	AVG
6	2499.692	-57.00	-21.20	35.80	Pass	Peak	12	2499.692	-64.44	-41.20	23.24	Pass	AVG





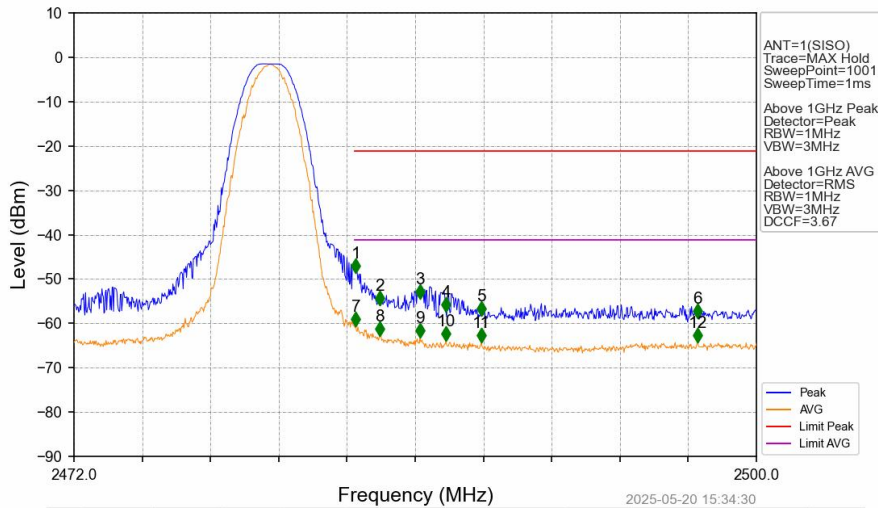
Right eye:

1M_LCH_2402MHz_Ant1_NTNV



No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark	No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark
1	2353.600	-58.15	-21.20	36.95	Pass	Peak	7	2353.600	-64.70	-41.20	23.50	Pass	AVG
2	2360.000	-58.12	-21.20	36.92	Pass	Peak	8	2360.000	-64.50	-41.20	23.30	Pass	AVG
3	2365.700	-57.44	-21.20	36.24	Pass	Peak	9	2365.700	-64.17	-41.20	22.97	Pass	AVG
4	2369.300	-56.89	-21.20	35.69	Pass	Peak	10	2369.300	-64.07	-41.20	22.87	Pass	AVG
5	2375.000	-56.67	-21.20	35.47	Pass	Peak	11	2375.000	-64.28	-41.20	23.08	Pass	AVG
6	2378.500	-57.89	-21.20	36.69	Pass	Peak	12	2378.500	-64.45	-41.20	23.25	Pass	AVG

1M_HCH_2480MHz_Ant1_NTNV



No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark	No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark
1	2483.564	-48.57	-21.20	27.37	Pass	Peak	7	2483.564	-60.60	-41.20	19.40	Pass	AVG
2	2484.544	-55.88	-21.20	34.68	Pass	Peak	8	2484.544	-62.75	-41.20	21.55	Pass	AVG
3	2486.196	-54.36	-21.20	33.16	Pass	Peak	9	2486.196	-63.19	-41.20	21.99	Pass	AVG
4	2487.260	-57.34	-21.20	36.14	Pass	Peak	10	2487.260	-63.97	-41.20	22.77	Pass	AVG
5	2488.716	-58.19	-21.20	36.99	Pass	Peak	11	2488.716	-64.27	-41.20	23.07	Pass	AVG
6	2497.592	-58.82	-21.20	37.62	Pass	Peak	12	2497.592	-64.26	-41.20	23.06	Pass	AVG



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