



Appendix A

RF Test Data for BT LE (Conducted Measurement)

Product Name: Diagnostic Charging/Discharging Balancer

Test Model: CE39

Environmental Conditions

Temperature:	23.8°C
Relative Humidity:	52.5%
ATM Pressure:	100.0 kPa
Test Engineer:	Jay Luo
Supervised by:	Nick Peng



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Content

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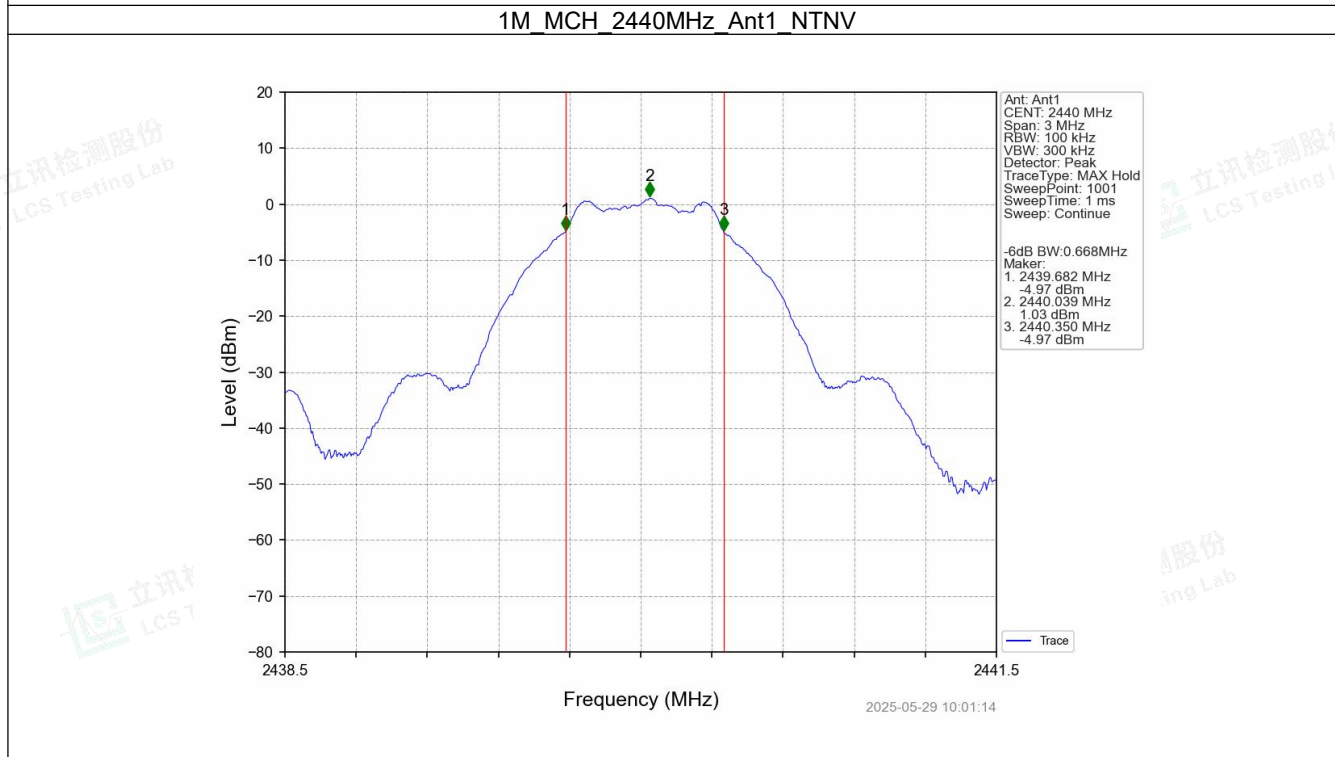
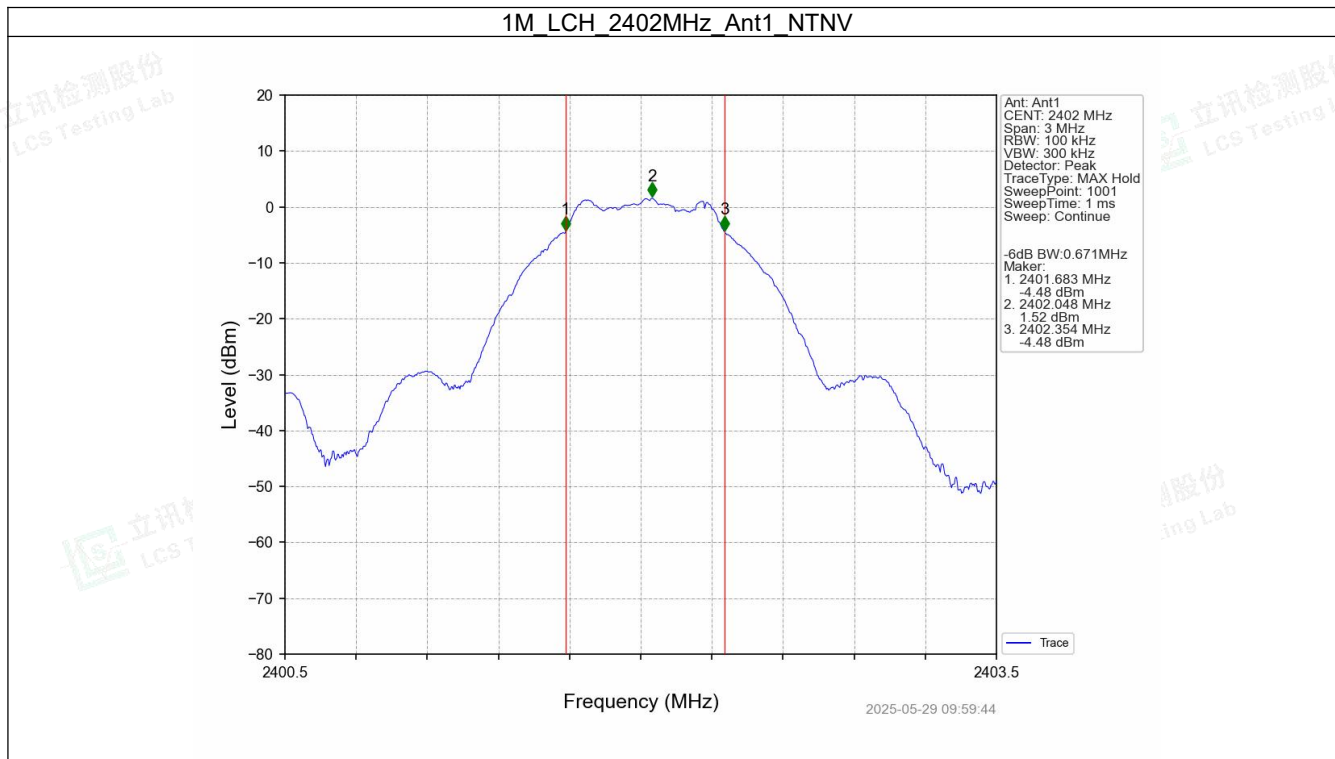


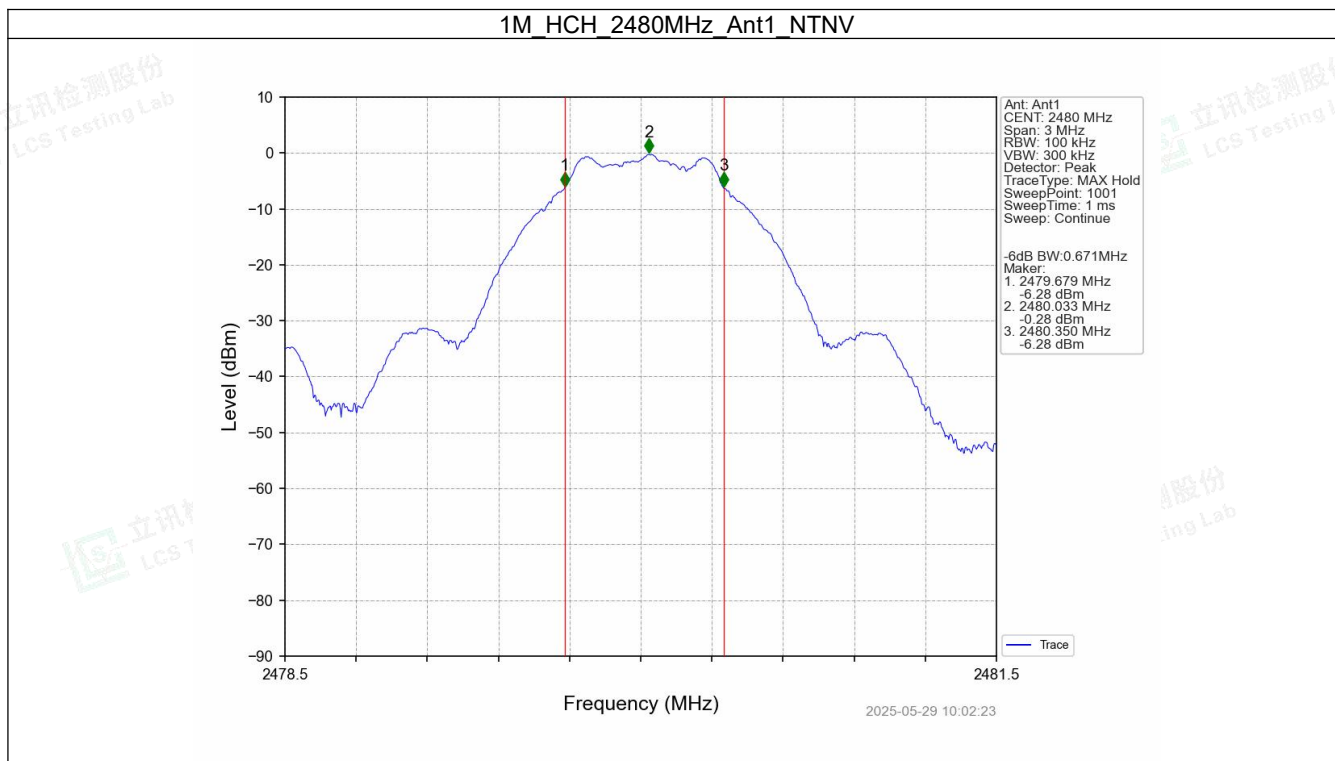
A.1 -6dB Bandwidth

Mode	TX Type	Frequency (MHz)	ANT	6dB Bandwidth (MHz)		Verdict
				Result	Limit	
1M	SISO	2402	1	0.671	≥ 0.5	Pass
		2440	1	0.668	≥ 0.5	Pass
		2480	1	0.671	≥ 0.5	Pass



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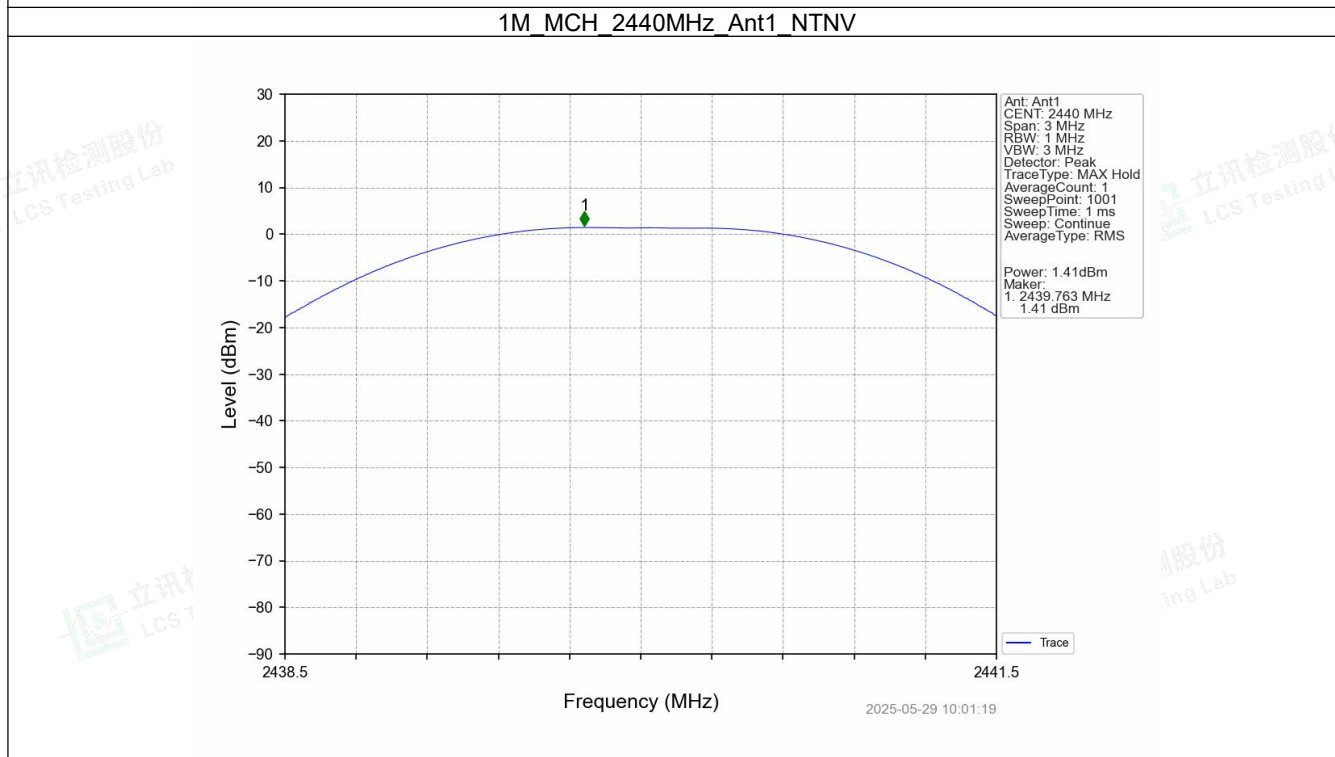
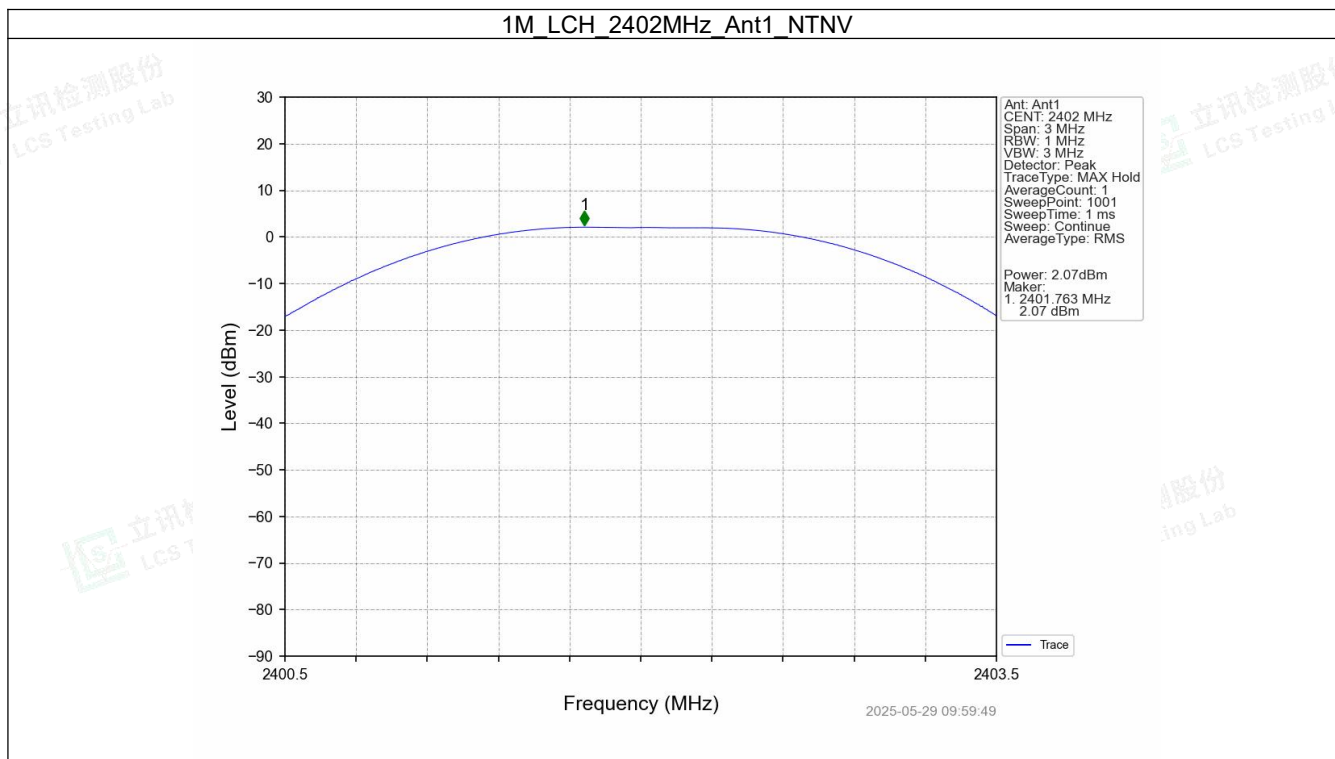


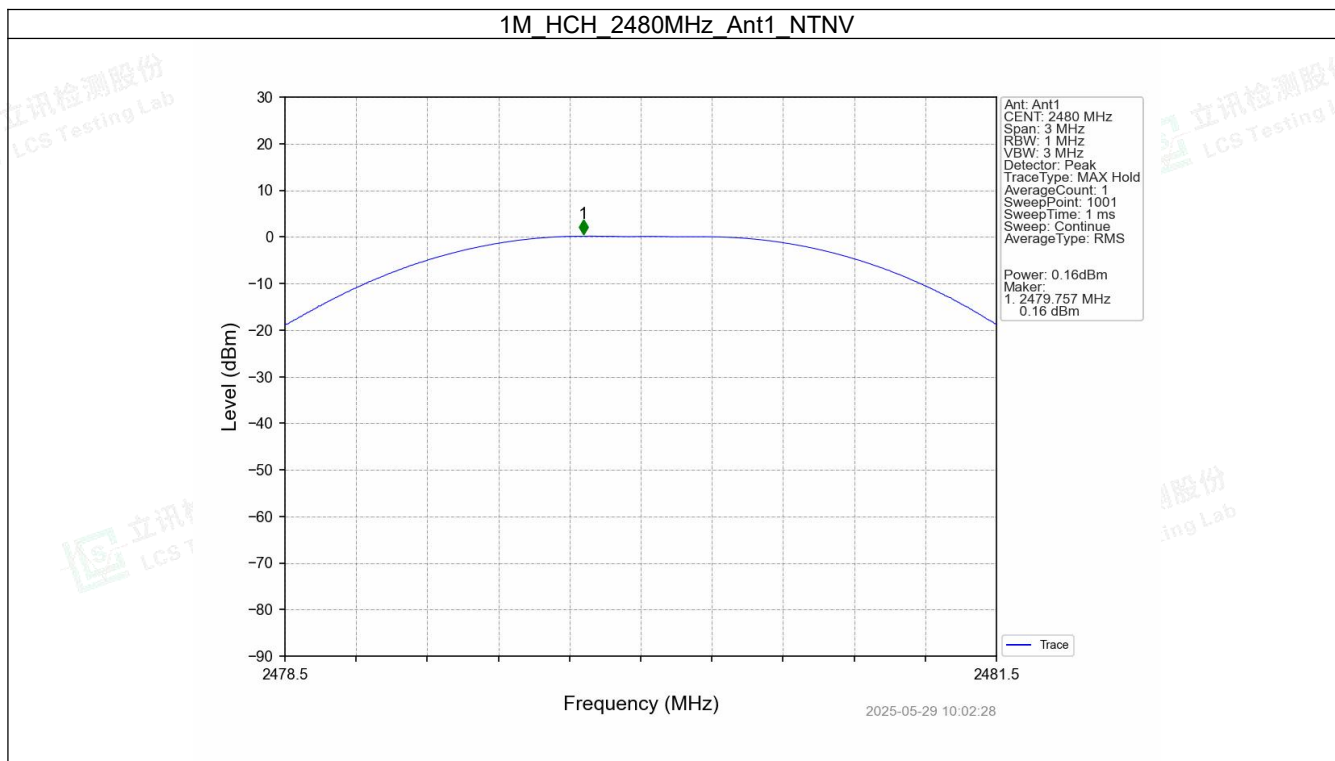
A.2 Maximum Peak Conducted Output Power

Mode	TX Type	Frequency (MHz)	Maximum Peak Conducted Output Power (dBm)		Verdict
			ANT1	Limit	
1M	SISO	2402	2.07	<=30	Pass
		2440	1.41	<=30	Pass
		2480	0.16	<=30	Pass



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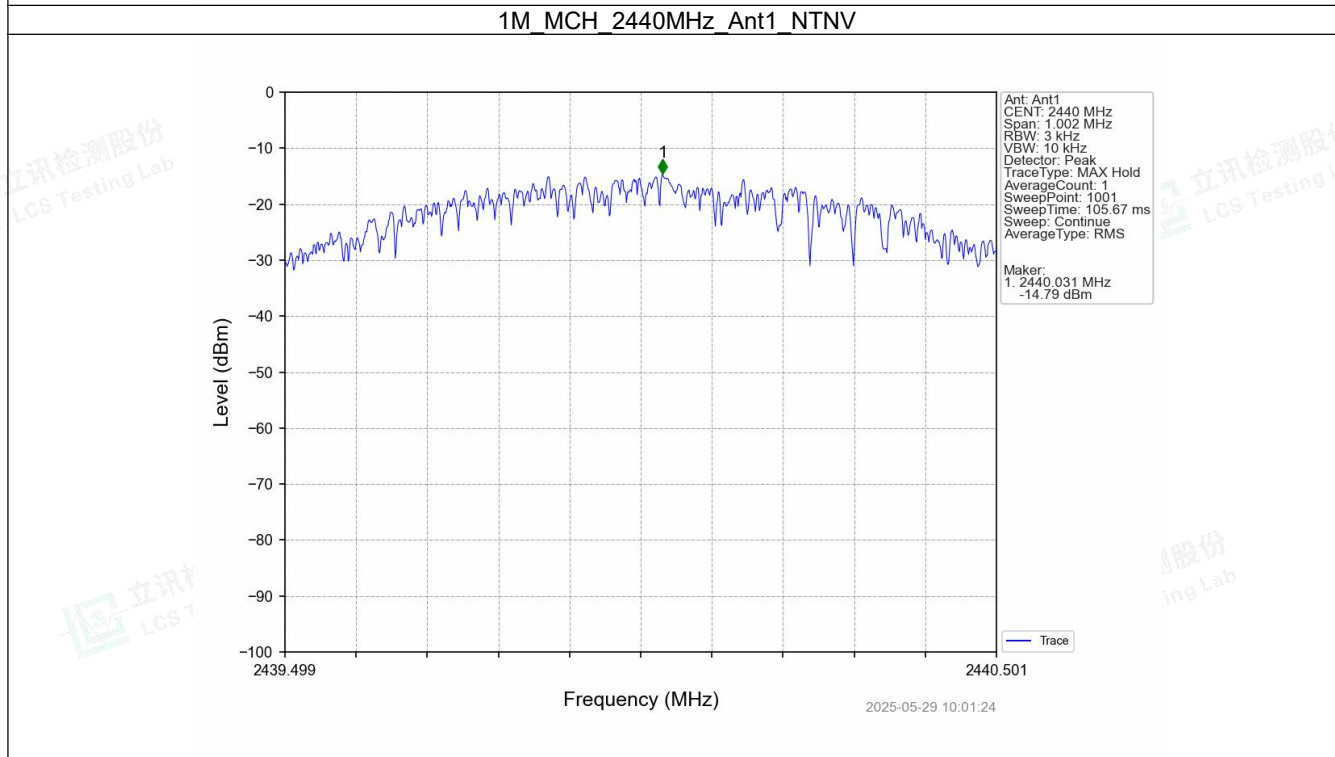
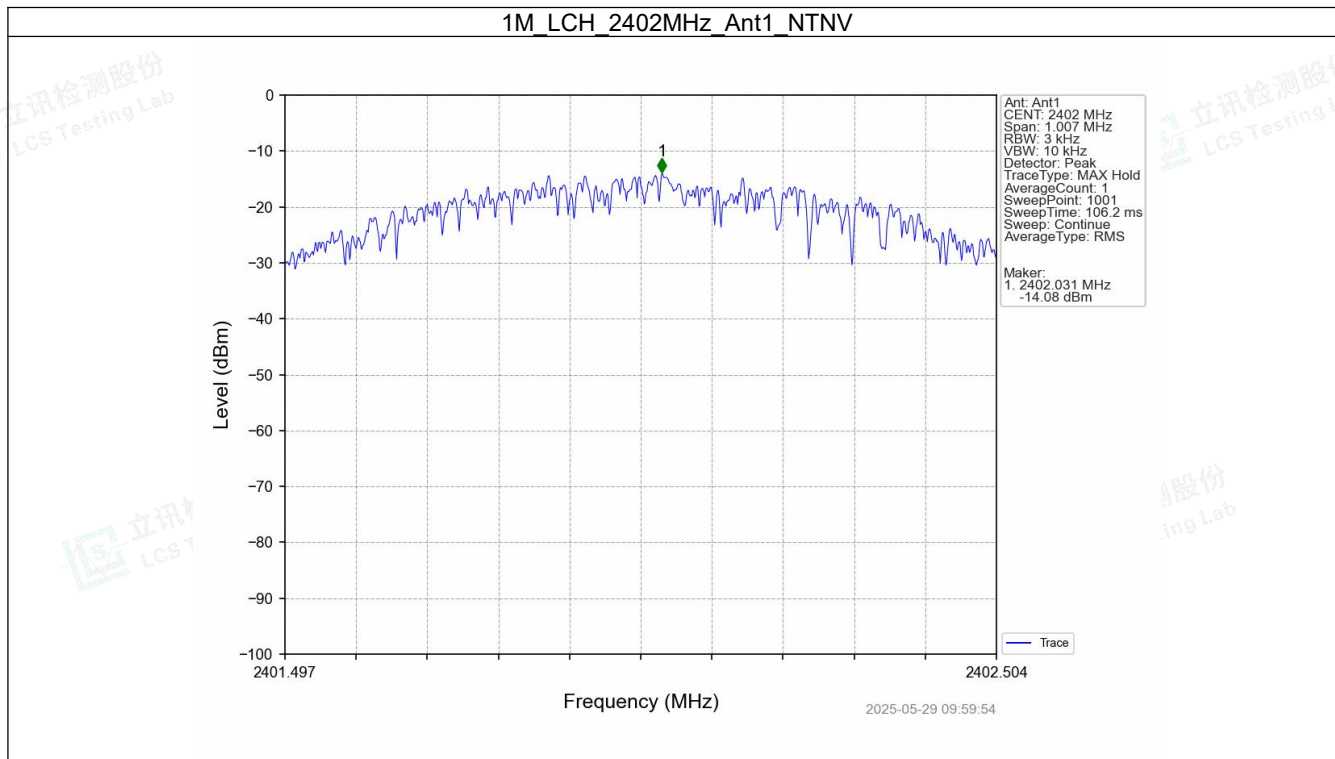
A.3 Maximum Power Spectral Density

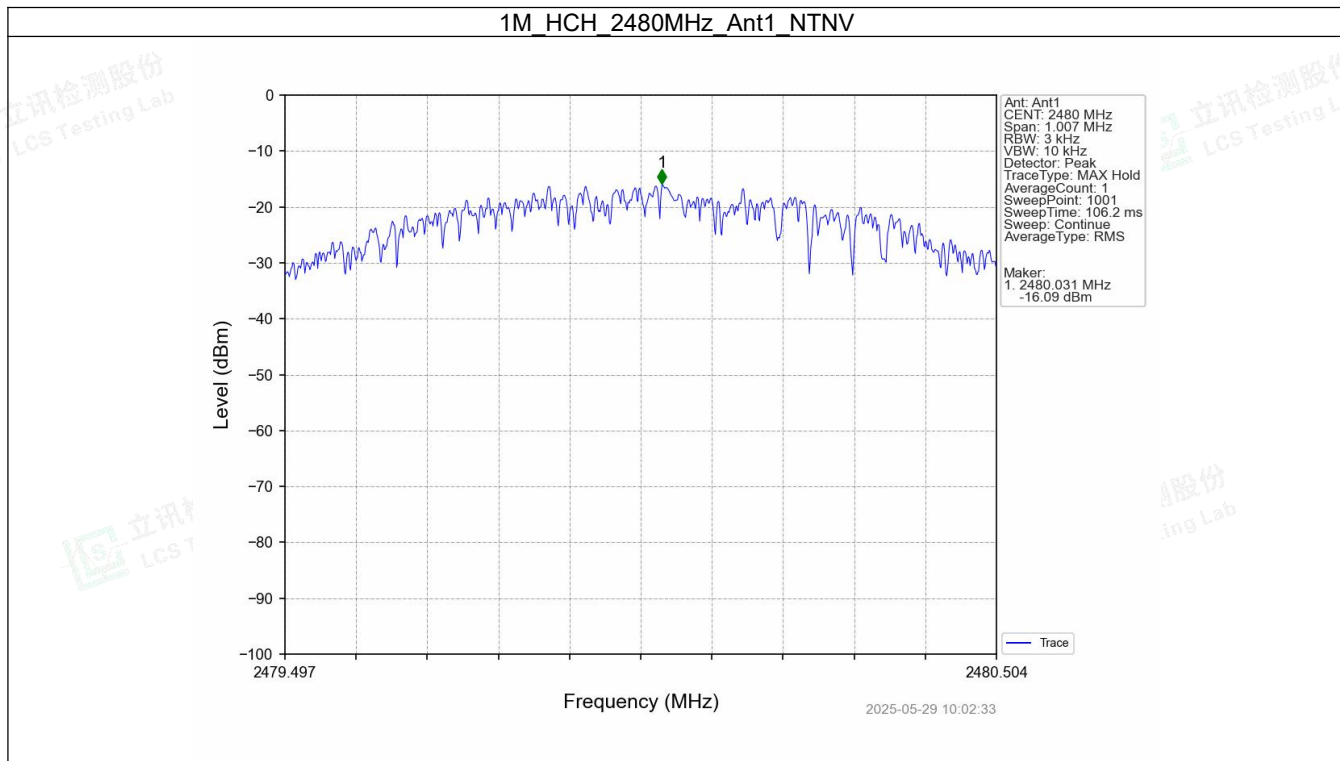
Mode	TX Type	Frequency (MHz)	Maximum PSD (dBm/3kHz)		Verdict
			ANT1	Limit	
1M	SISO	2402	-14.08	<=8	Pass
		2440	-14.79	<=8	Pass
		2480	-16.09	<=8	Pass

Note1: Antenna Gain: Ant1: 0.00dBi;



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A.4 Band Edge

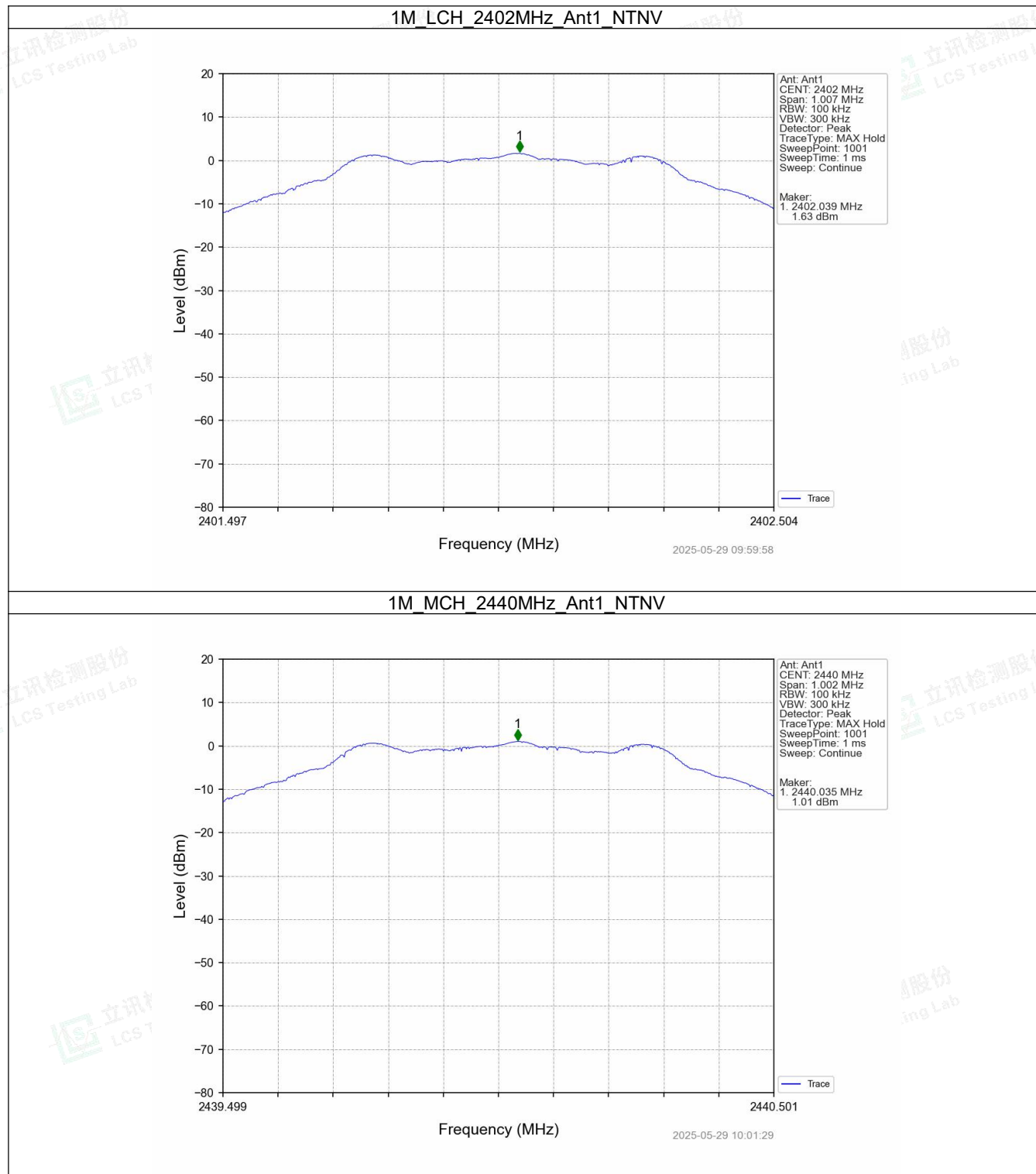
Mode	TX Type	Frequency (MHz)	ANT	Level of Reference (dBm)	Limit (dBm)	Verdict
1M	SISO	2402	1	1.63	-18.37	Pass
		2440	1	1.01	-18.99	Pass
		2480	1	-0.25	-20.25	Pass
Note1: Refer to FCC Part 15.247 (d) and ANSI C63.10-2013, the channel contains the maximum PSD level was used to establish the reference level.						

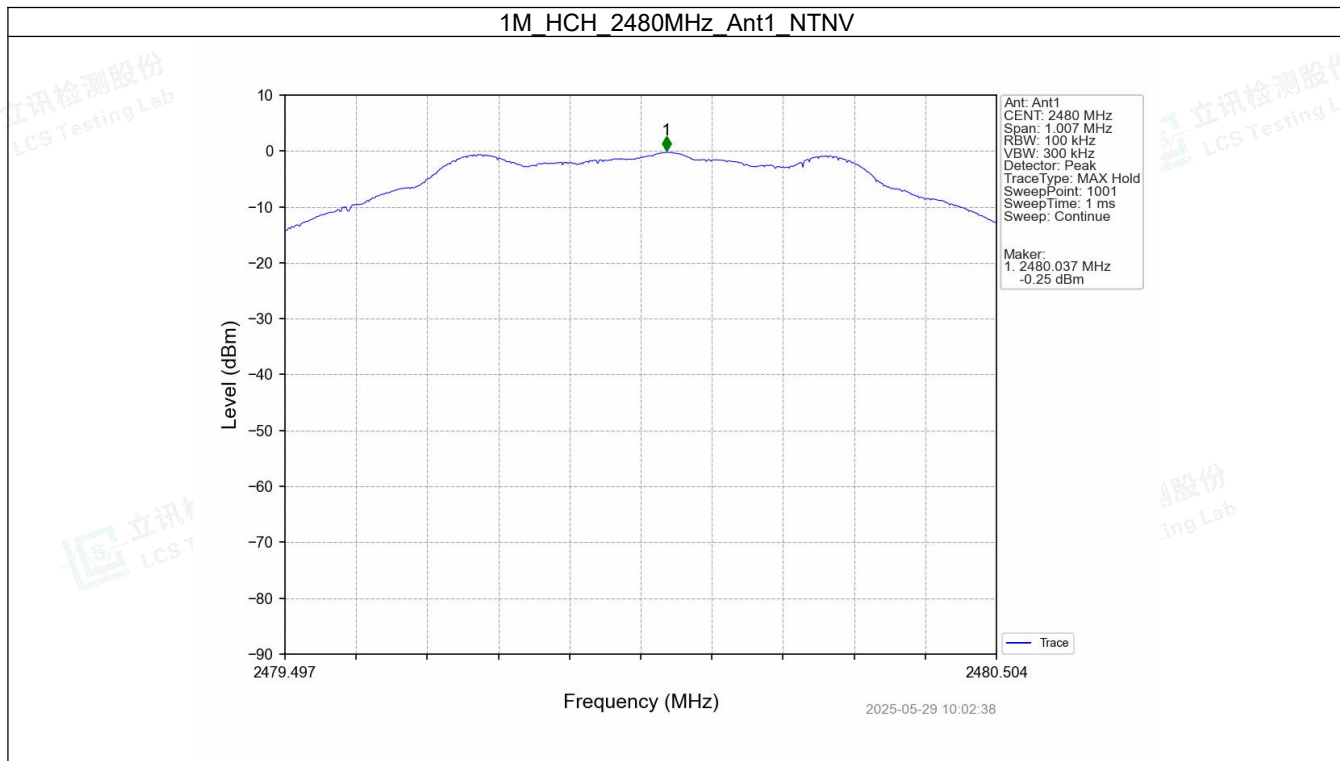


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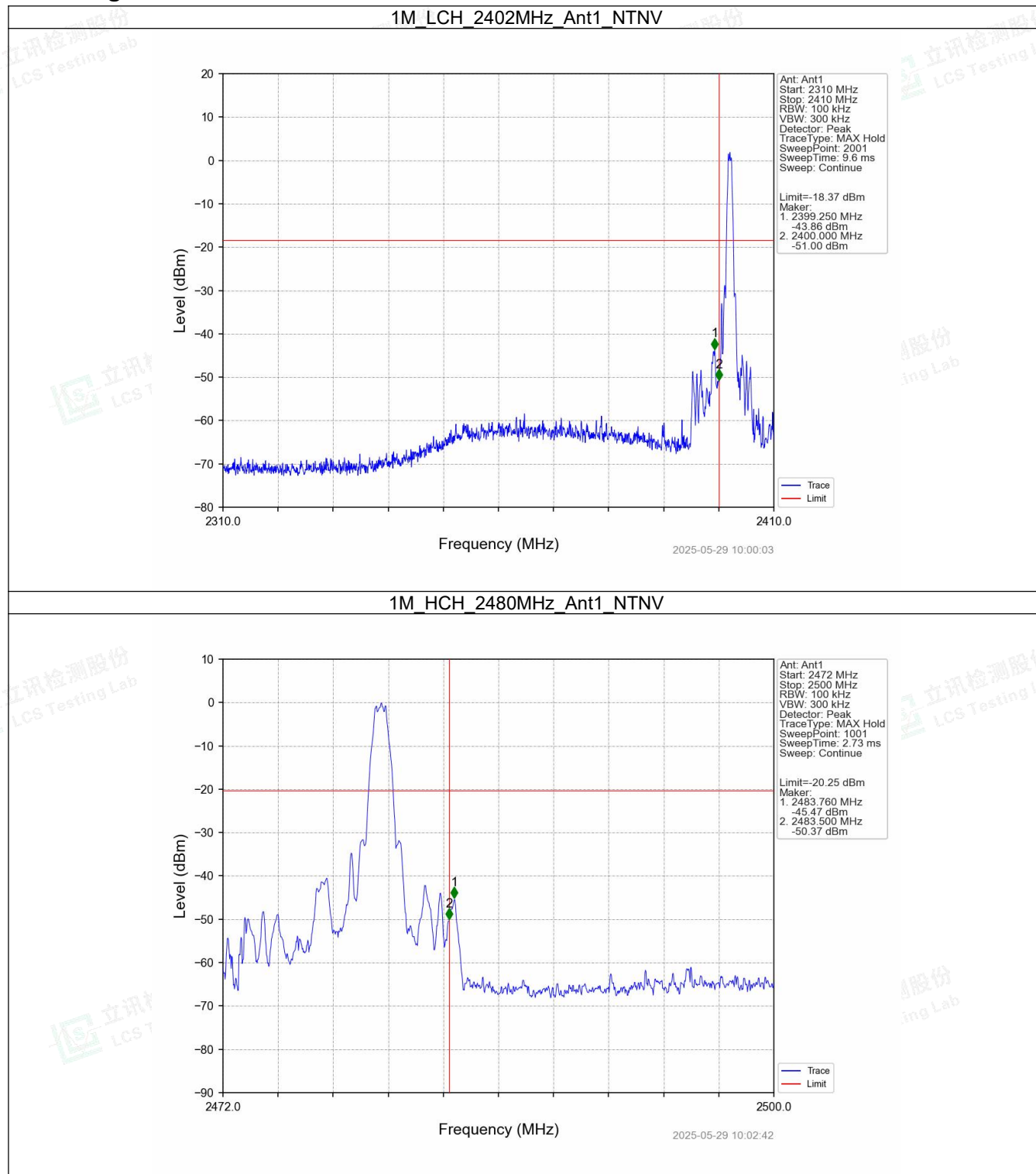
Ref







Band Edge



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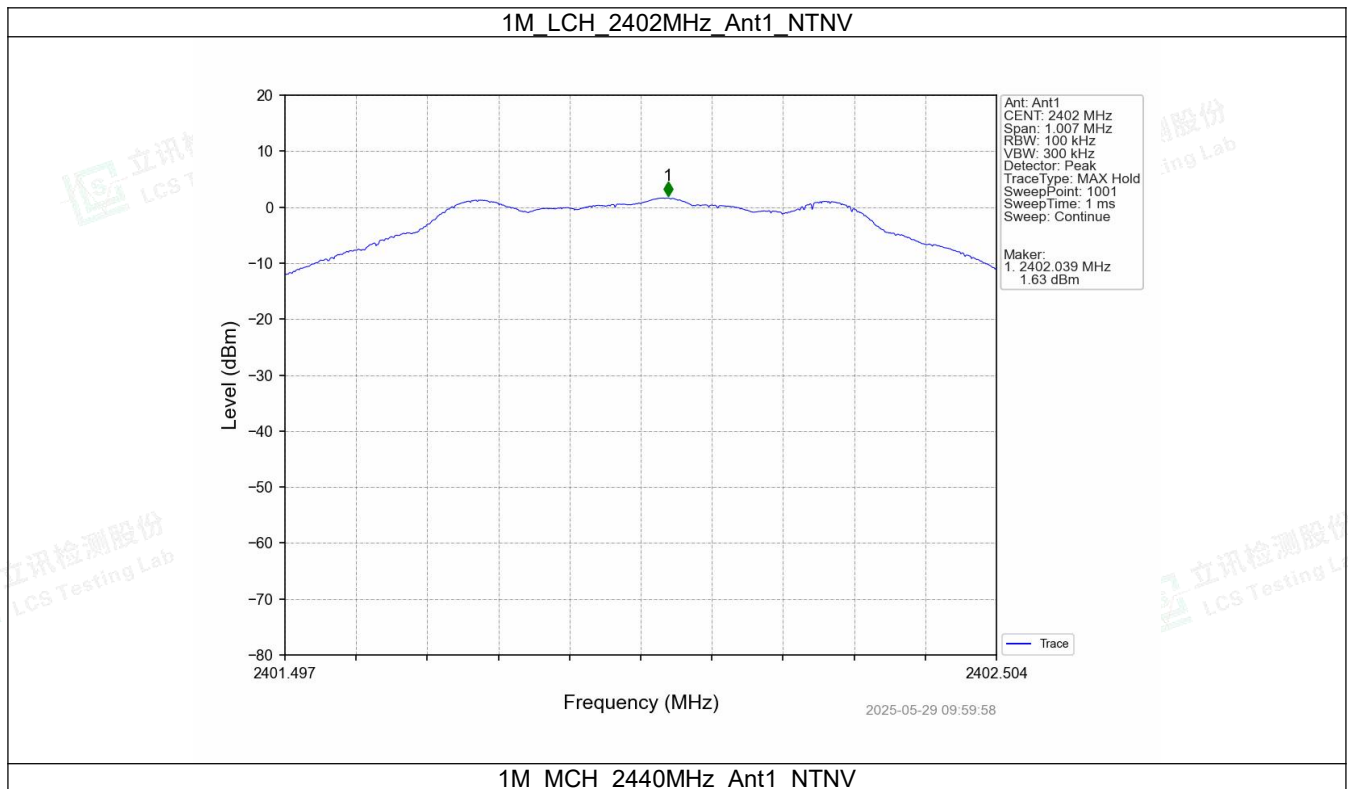


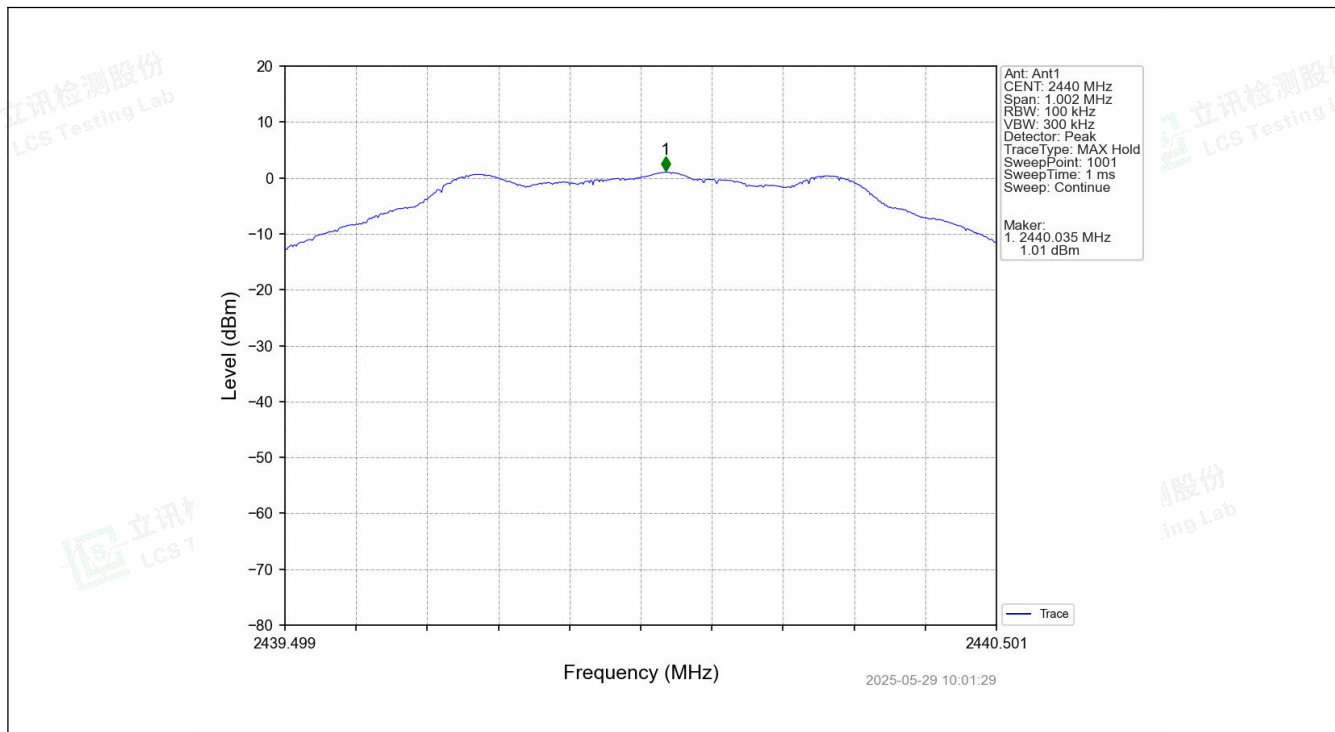
A.5 Conducted RF Spurious Emission

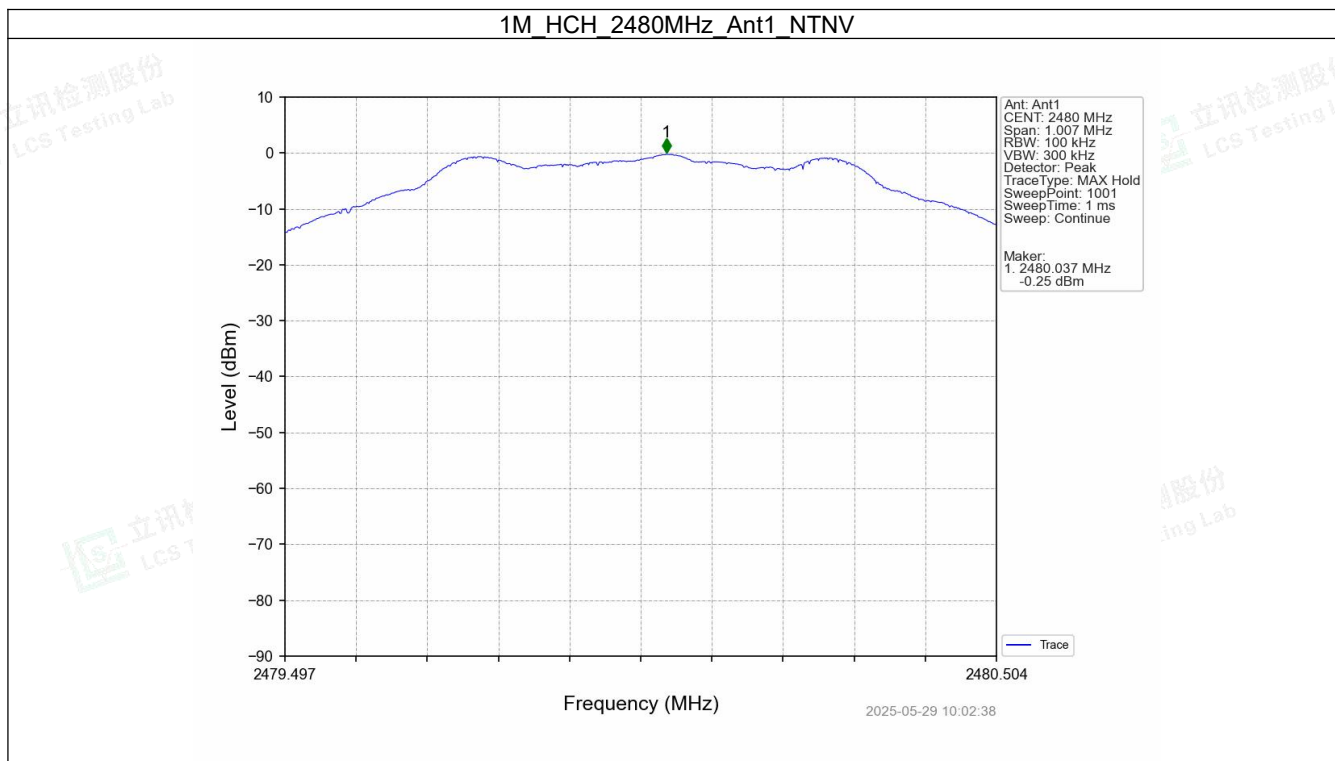
Mode	Tx Type	Frequency (MHz)	ANT	Level of Reference (dBm)
1M	SISO	2402	1	1.63
		2440	1	1.01
		2480	1	-0.25

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.

Ref

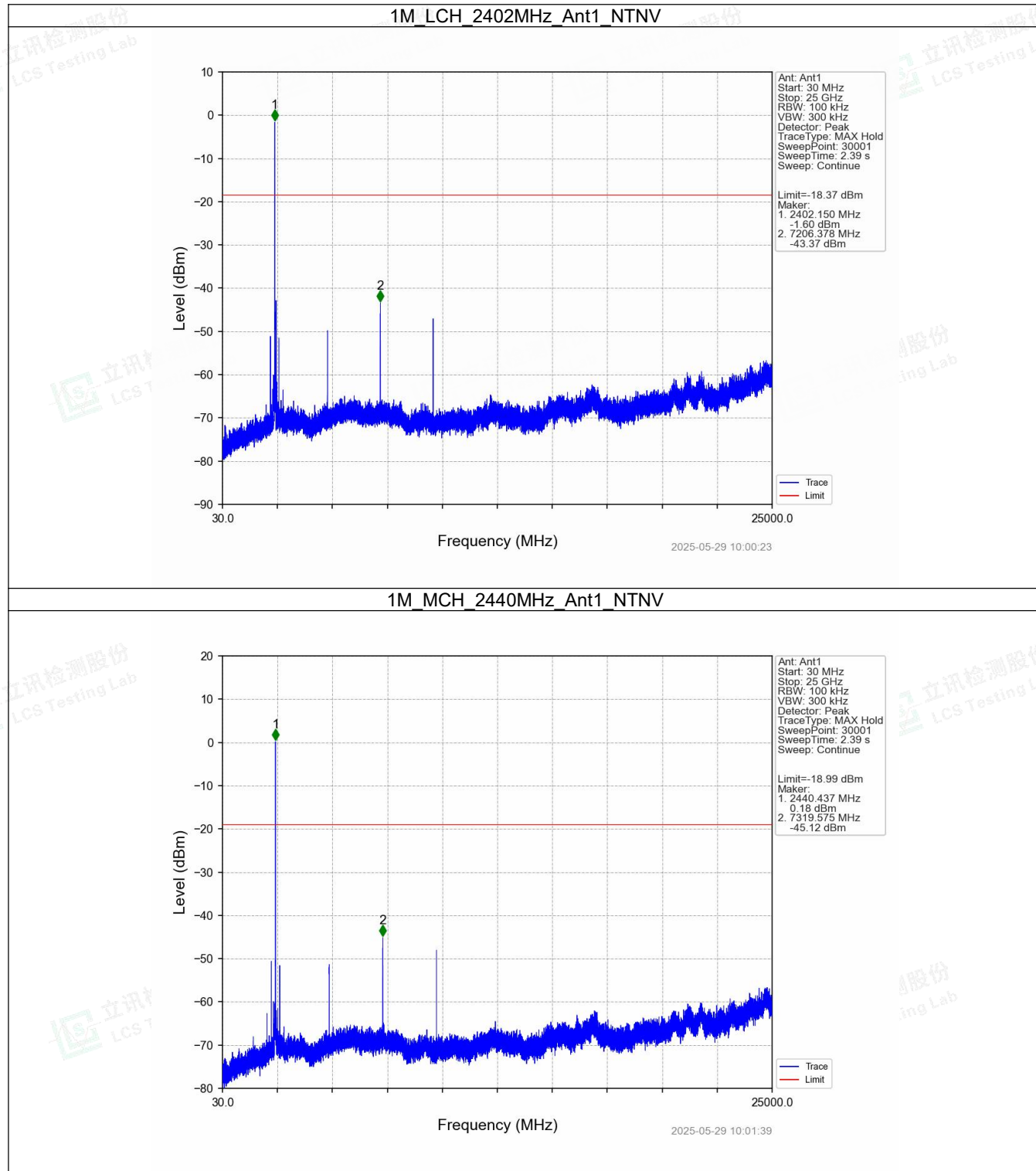




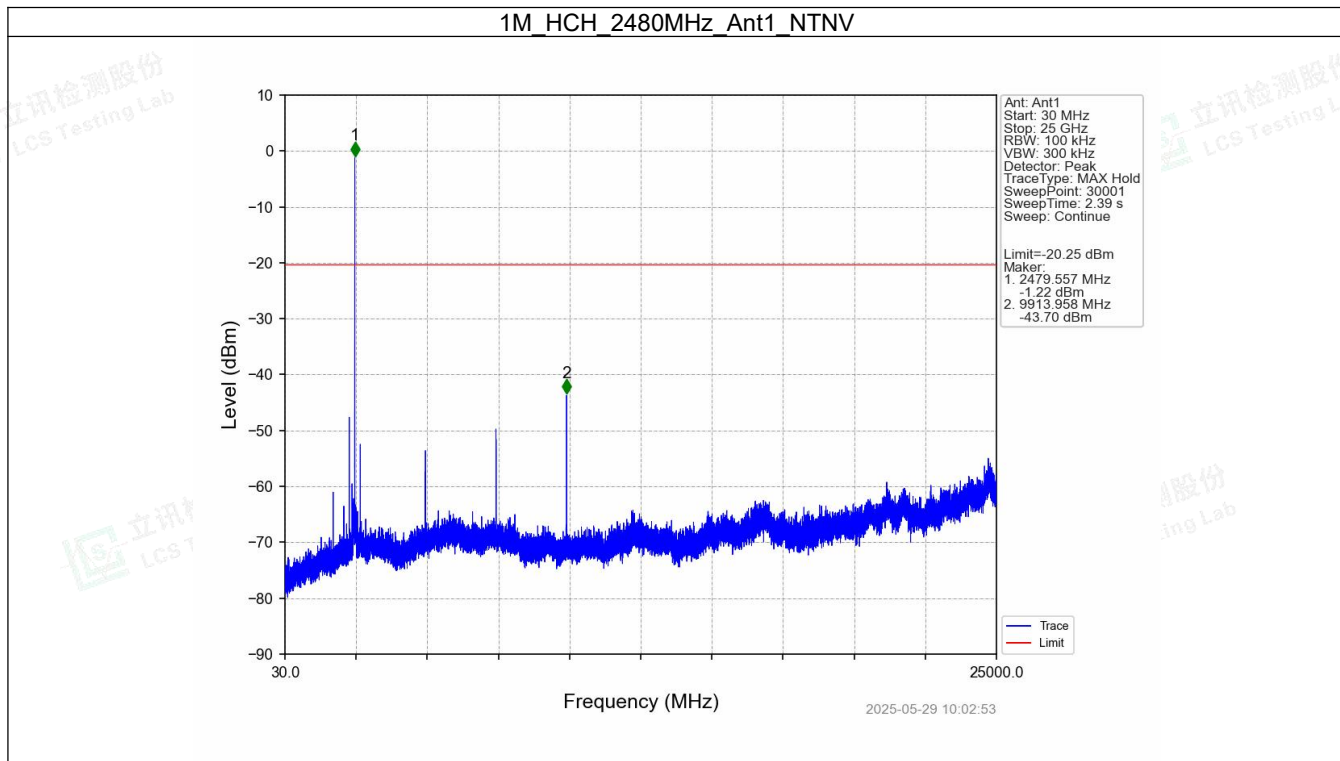




CSE



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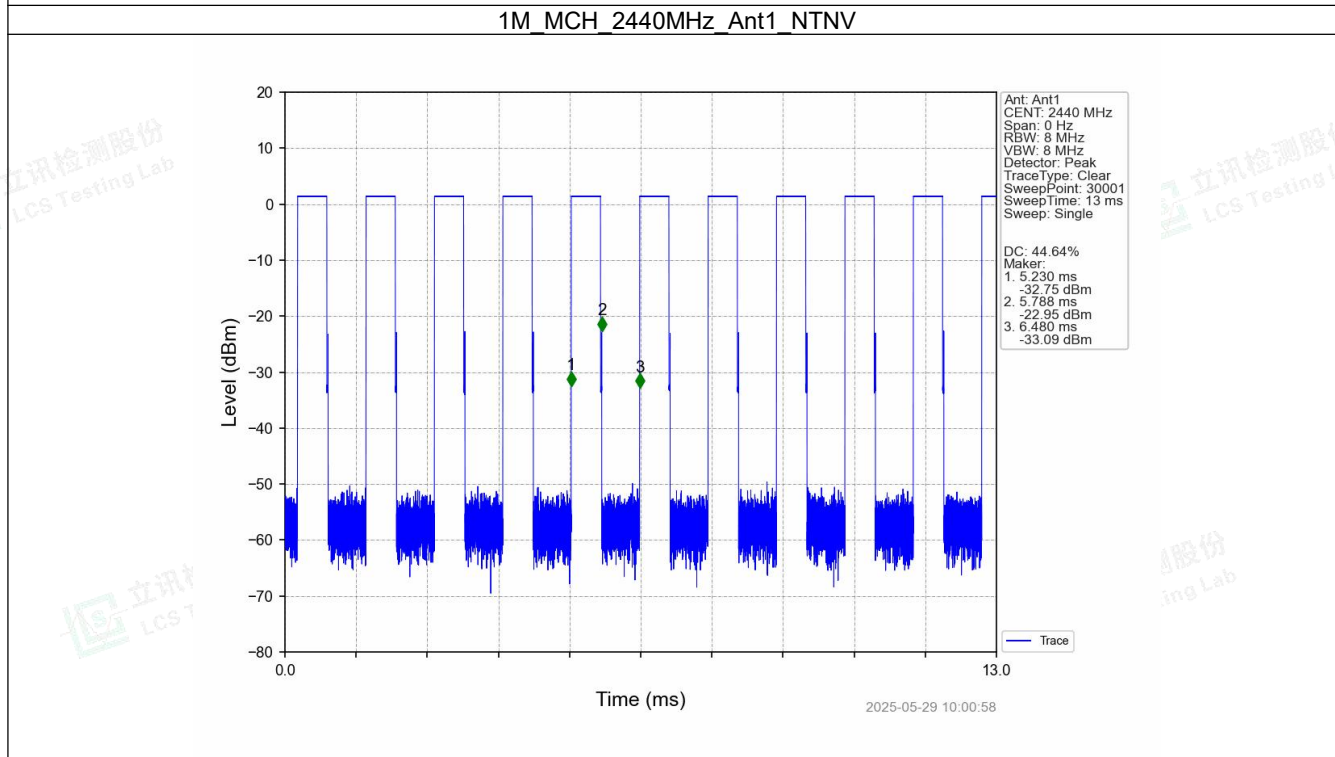
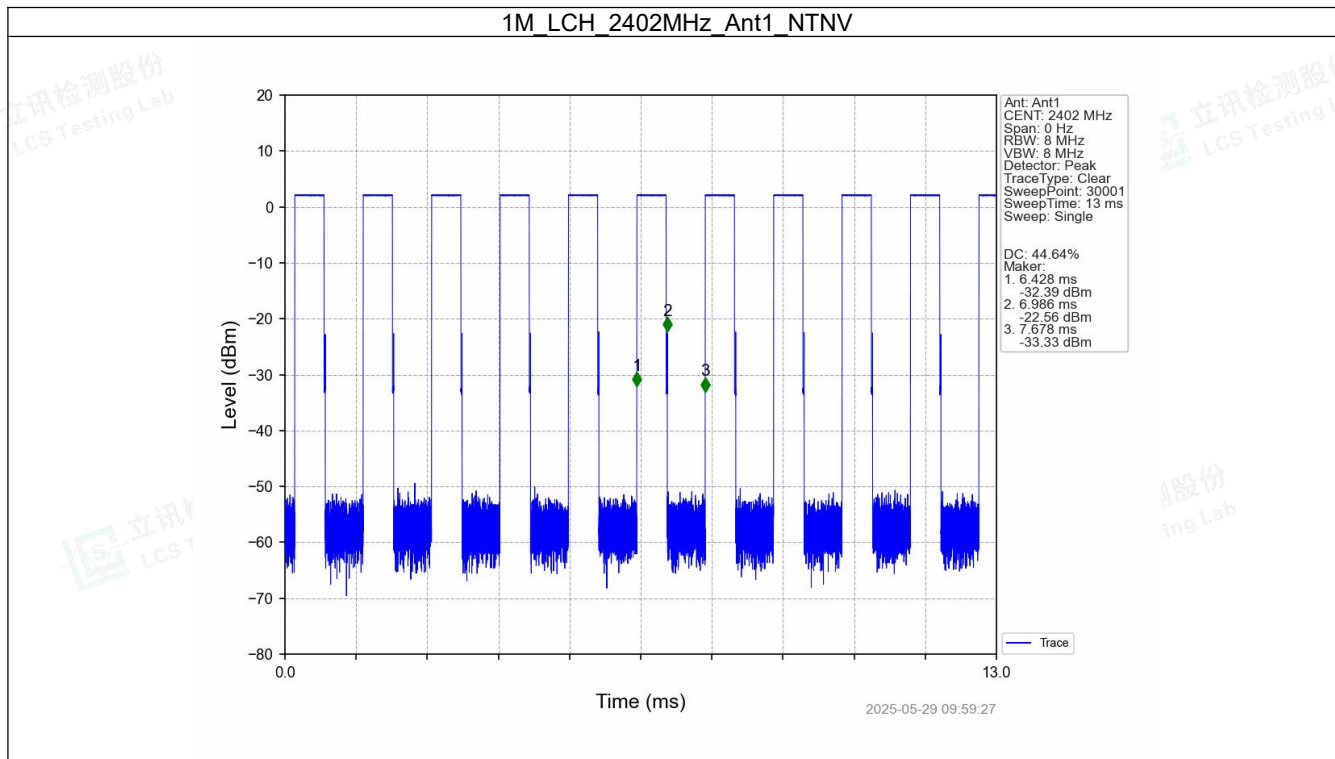


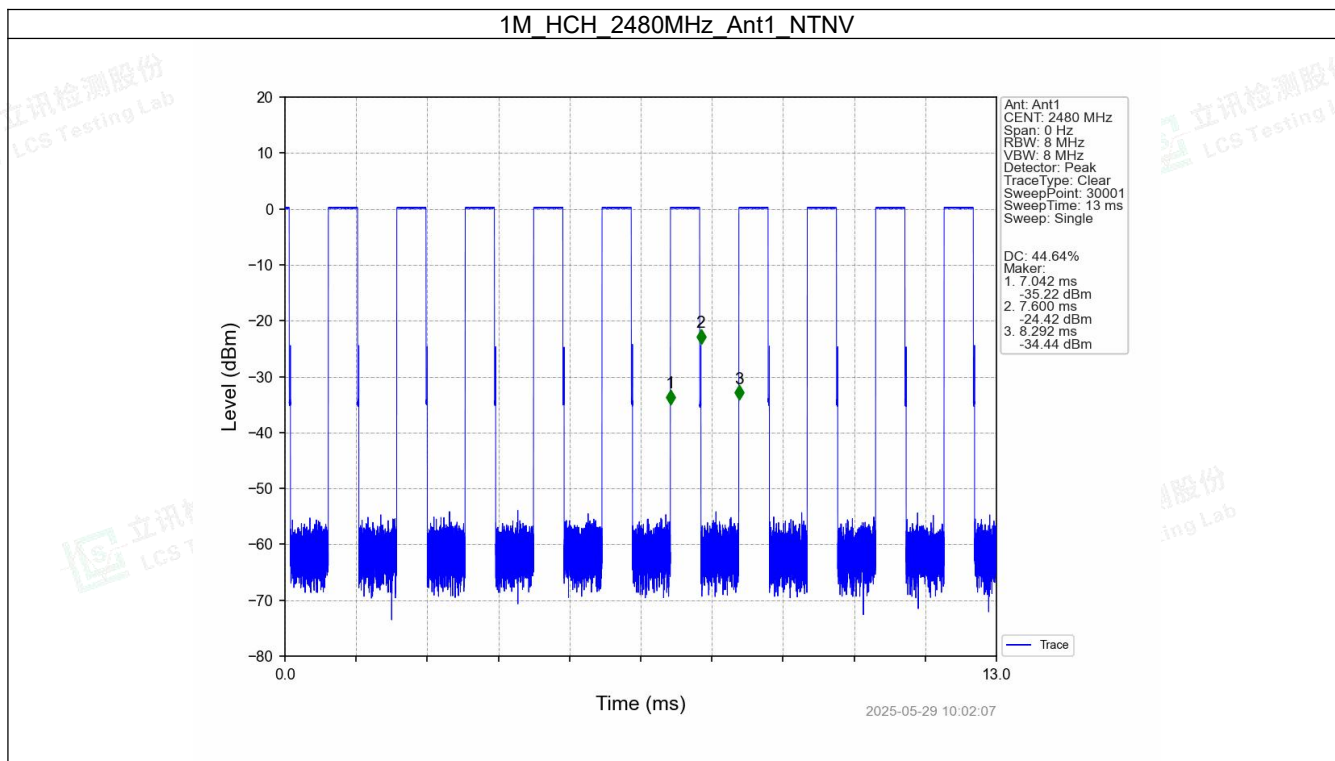
A.6 Duty Cycle

Ant1							
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	0.558	1.250	44.64	3.50	0.03



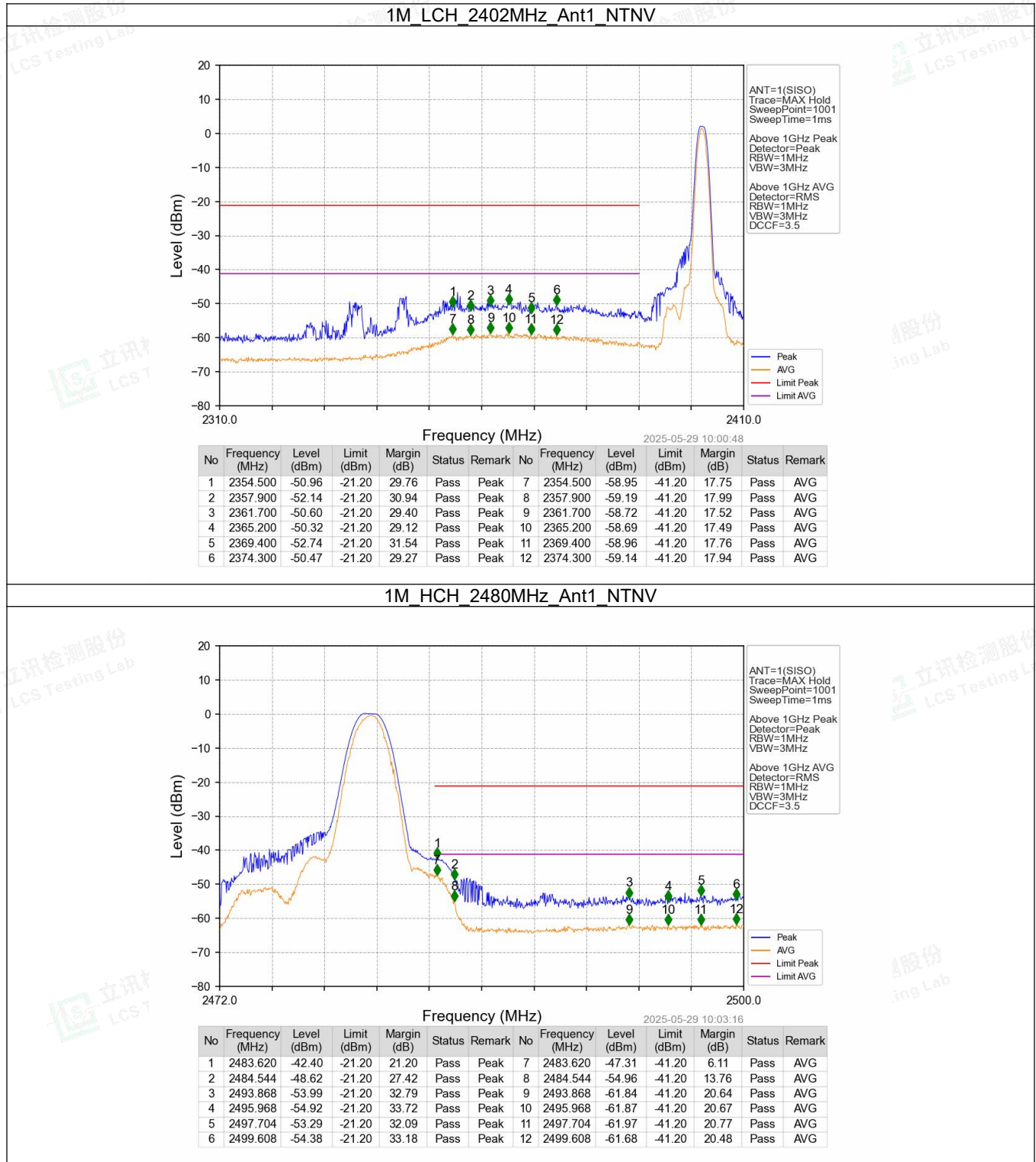
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A.7 Restrict Band



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