



Core Wireless (Beijing) Communication
Technology Co., Ltd.
Room 101, Building 62, Jinghai 3rd Road,
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OTA TEST REPORT

Report No. NRL-OTA-2025-0091

Applicant	Shenzhen Runtian Electronic Industrial Ltd.
Address	No. 102, Runtian Factory Building, No. 3, Honghua Lane, Chihua Ridge, Guihua Community, Guanlan Street, Longhua District, Shenzhen Guangdong 518110 China
Telephone	852 2410 0338
Manufacturer	Shenzhen Runtian Electronic Industrial Ltd.
Address	No. 102, Runtian Factory Building, No. 3, Honghua Lane, Chihua Ridge, Guihua Community, Guanlan Street, Longhua District, Shenzhen Guangdong 518110 China
Telephone	852 2410 0338
Product Name	ANTENNA,COPPER-NICKEL,0.2MM THK,10.9x3.8x1.718MM,ROHS,REACH DECLARED
Model	55-0710600-00
Sample Source	Customer delivery
Delivery Date	Dec/11/2025
Test Date	Dec/11/2025
Reference Documents	See Appendix A
Testing Content	Passive
Verdict	Pass
Report Date	Dec/15/2025

Compiled by

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Reviewed by

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Approved by

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Note:

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1. EUT Information

EUT No.	2025-0165-0001
Type	ANTENNA, COPPER-NICKEL, 0.2MM THK, 10.9x3.8x1.718MM, ROHS, REACH DECLARED
IMEI/SN	/
SW Version	1.0
HW Version	1.0
Testing Environment	25°C 50%RH

2. Lab Information

Company Name	Core Wireless (Beijing) Communication Technology Co., LTD
Company Address	Room 101, Building 62, Jinghai 3rd Road, No.109, BDA, Beijing, China 100176
Laboratory Address	Room 101, Building 62, Jinghai 3rd Road, No.109, BDA, Beijing, China 100176
Contacts	Shiyang
Telephone	+86-10-67870336
E-mail	shiyang@newradiolab.com

3. Equipments

No.	Name	Model	S/N	Manufacturer	Cal. Date
1	ENA Vector Network Analyzer	E5071C	MY46105179	Agilent	2026/05/15
2	Anechoic Chamber	AMS8500	N/A	ETS-Lindgren	N/A
3	Switch Controller	TS-RSP	100365	R&S	N/A
4	Multi-Device Positioning Controller	2090	00060093	ETS-Lindgren	N/A
5	Diagonal Dual Polarized Horns	3164-04	1009	ETS-Lindgren	N/A
6	EMQuest	V1.18	N/A	ETS-Lindgren	N/A

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4. Test Results

Frequency (MHz)	Efficiency (dB)	Efficiency (%)	Gain (dBi)
2400	-10.03	9.94	-4.67
2410	-9.35	11.61	-4.17
2420	-9.03	12.51	-4.02
2430	-8.69	13.52	-4.31
2440	-8.65	13.65	-4.47
2450	-8.86	13.00	-4.84
2460	-8.57	13.89	-4.62
2470	-8.13	15.37	-4.22
2480	-7.67	17.09	-3.90
2490	-7.09	19.52	-2.97
2500	-7.00	19.97	-2.71

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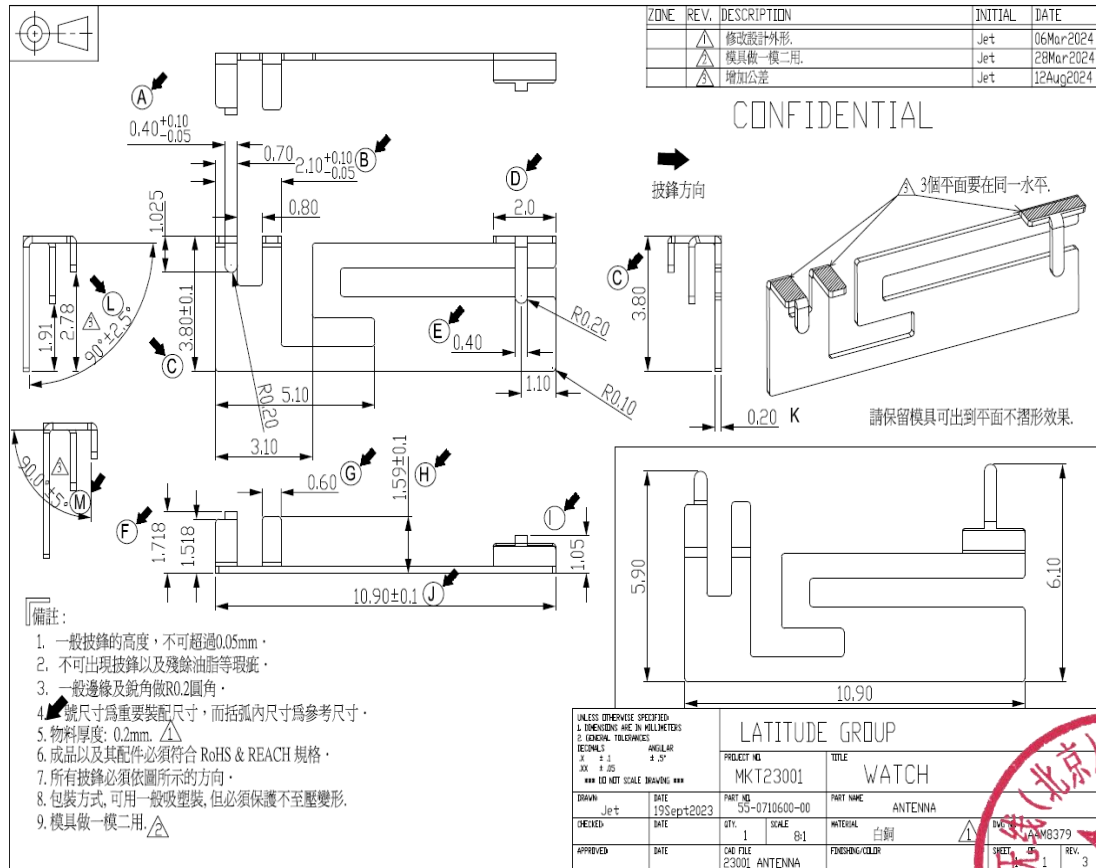
Appendix A: Reference Documents

Reference	Title	Version
IEEE Std 149	IEEE Recommended Practice for Antenna Measurements	2021
GB/T 9410	General specification for antennas used in the mobile communications	2008


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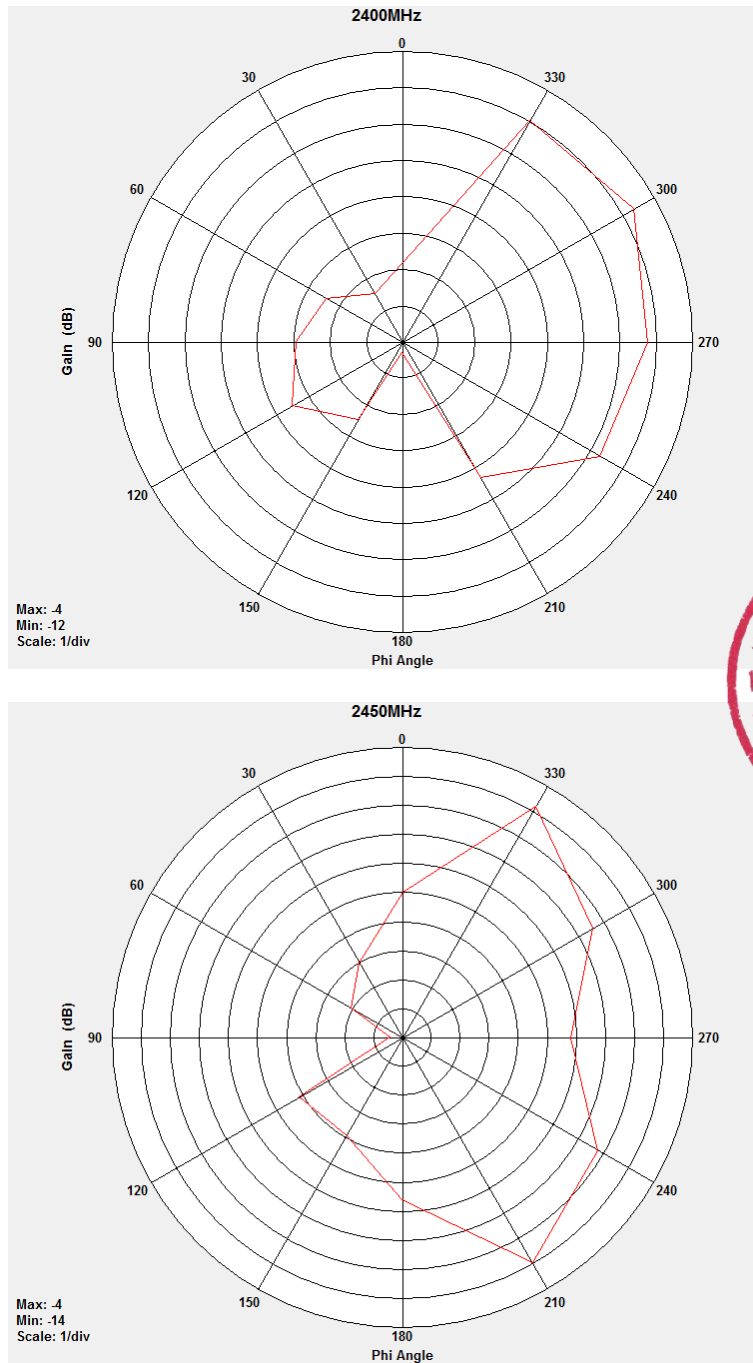
Appendix B: EUT Photographs



Note:

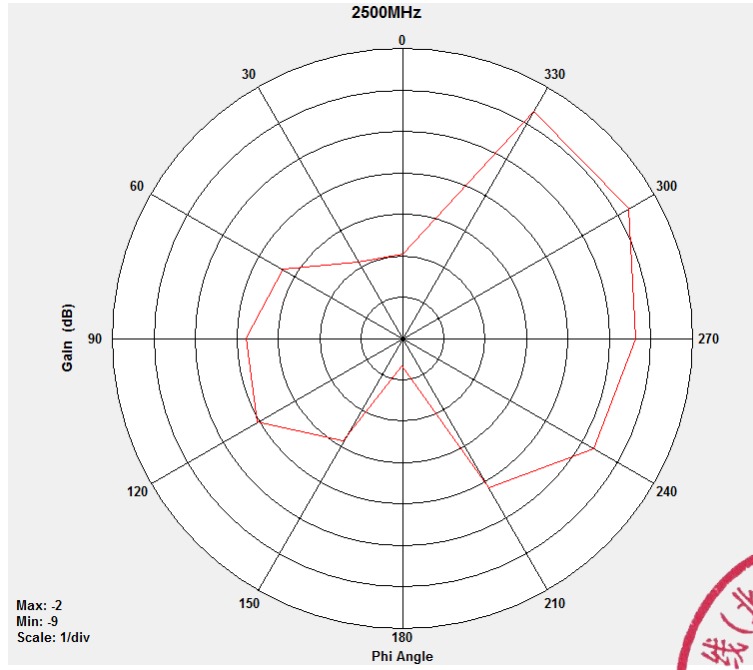
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Appendix C: 2D Pattern Plots



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