

OTA TEST REPORT

Report No. NRL-OTA-2026-0015

Applicant	Weber-Stephen Products LLC
Address	1415 S.Roselle Road, Palatine, IL 60067, USA
Telephone	1 (847) 654-2415
Manufacturer	Weber-Stephen Products LLC
Address	1415 S.Roselle Road, Palatine, IL 60067, USA
Telephone	1 (847) 654-2415
Product Name	Wireless Thermometer
Model	WNR006
Sample Source	Customer delivery
Delivery Date	Apr/16/2026
Test Date	Apr/17/2026
Reference Documents	See Appendix A
Testing Content	Passive
Verdict	/
Report Date	Apr/22/2026

Compiled by
Xu Tao



Reviewed by
Ma Yonglin



Approved by
Shi Yang
(Authorized signatory)



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1. EUT Information

EUT No.	2026-0037-0001
Type	Antenna
IMEI/SN	/
SW Version	1.4.1
HW Version	Rev 5
Testing Environment	25°C 35%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	MY42202610	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	V1.16	N/A	ETS-Lindgren	N/A

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4. Test Results

4.1 Gain



Frequency (MHz)	Efficiency (dB)	Efficiency (%)	Gain (dBi)
2400	-4.09	38.96	1.13
2405	-4.08	39.02	1.27
2410	-4.06	39.35	1.35
2415	-4.00	39.80	1.39
2420	-4.05	39.32	1.34
2425	-4.07	39.07	1.29
2430	-4.07	39.00	1.25
2435	-4.08	39.00	1.24
2440	-4.08	38.99	1.20
2445	-4.09	38.98	1.16
2450	-4.10	38.92	1.12
2455	-4.12	38.90	1.10
2460	-4.25	37.57	1.07
2465	-4.14	38.43	1.09
2470	-4.10	38.94	1.13
2475	-4.08	38.98	1.18
2480	-4.09	39.02	1.21
2485	-4.10	39.08	1.24

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4.2 VSWR

Frequency (MHz)	VSWR
2400	1.95
2405	1.83
2410	2.04
2415	1.71
2420	1.83
2425	1.66
2430	1.81
2435	1.67
2440	1.90
2445	1.98
2450	1.70
2455	1.68
2460	1.88
2465	1.94
2470	1.69
2475	1.76
2480	1.78
2485	1.77



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Appendix A: Reference Documents

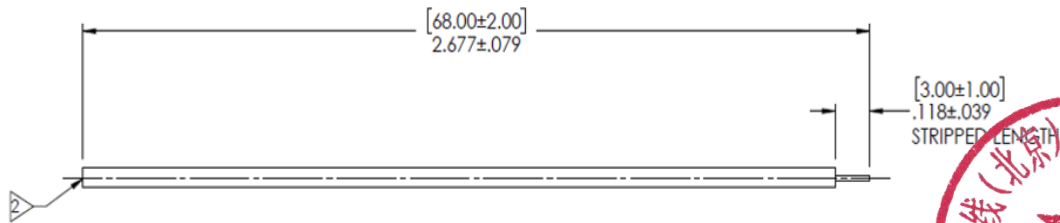
Reference	Title	Version
IEEE Std 149	IEEE Recommended Practice for Antenna Measurements	2021
GB/T 9410	General specification for antennas used in the mobile communications	2008


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Appendix B: EUT Photographs

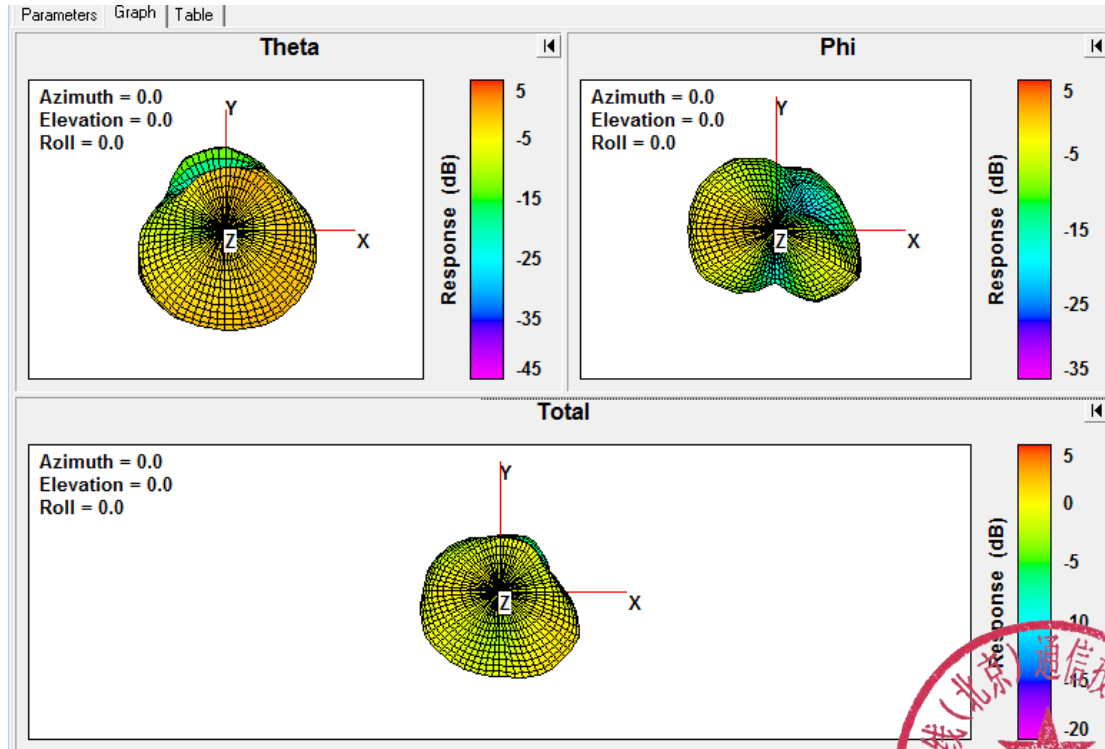
mm



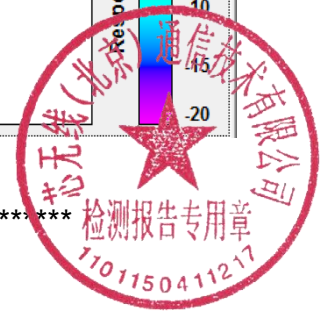
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Appendix C: 3D Pattern Plots



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