



惠州硕贝德无线科技股份有限公司

Huizhou Speed Wireless Technology Co.,Ltd.

Antenna Specification Document

Manufacture: Siterwell Electronics Co., Limited

Address: No. 666, Qingeng Road, Jiangbei District Ningbo, Zhejiang 315032 China

Product Name: GS830A Wire Antenna

Product Model: Wire Antenna

Date Of Issue: 2026/7/16

Reviewed & Approved By: Gaozhiyuan

Test Laboratory: Huizhou Speed Wireless Technology Co.,Ltd

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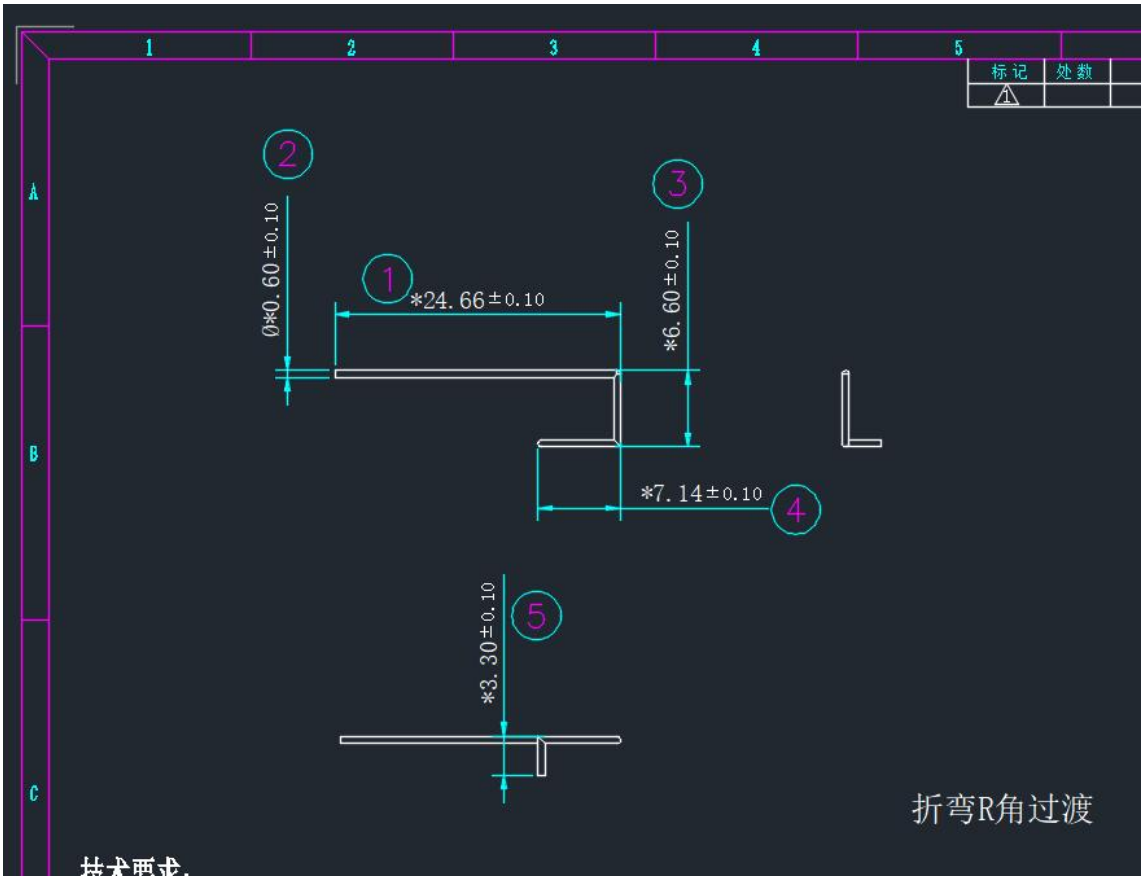
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DOCUMENT REVISION HISTORY

Revision Number	Description of Revision	Date of Revision
1.0	Original Report	2026/7/16

1. GENERAL INFORMATION

Product Name:	GS830A Wire Antenna
Product Model:	Wire Antenna
Antenna Type:	PCB
Test Items:	Gain; Efficiency; Radiation Pattern
Test Frequency (MHz):	2400, 2450, 2500
EUT Received	2026/7/16
EUT Received	Good



2. TEST CONFIGURATIONS

2.1 Test Environment

Temperature (°C)	22.5
Humidity (%RH)	42
Atmospheric Pressure (kPa)	101.7
Tester	Gaozhiyuan
Test Date	2026/7/16

2.2 Test Equipment

Test Instrument	ETS test system
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3. TEST RESULTS

3.1 Gain and Efficiency

Frequency (MHz)	Efficiency (%)	Peak Gain (dBi)
2400.00	45.39	1.62
2450.00	52.90	1.61
2500.00	59.36	1.57

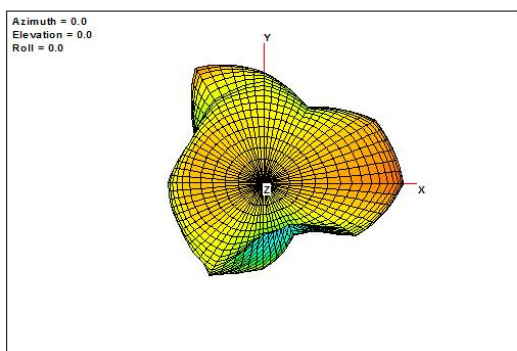
3.2 Radiation Pattern

3D Pattern

2400MHz

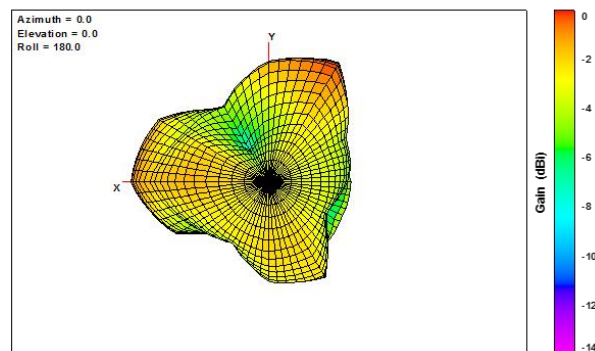
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Total



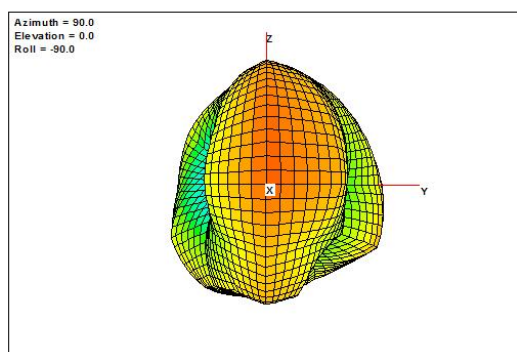
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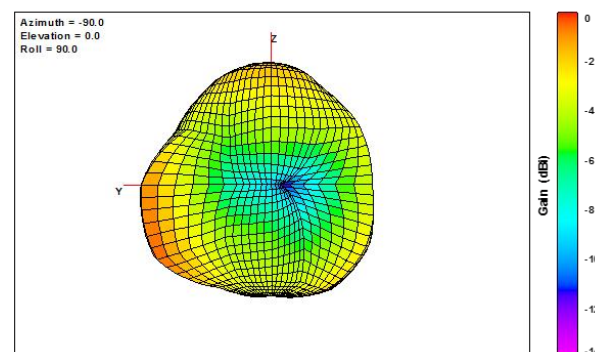
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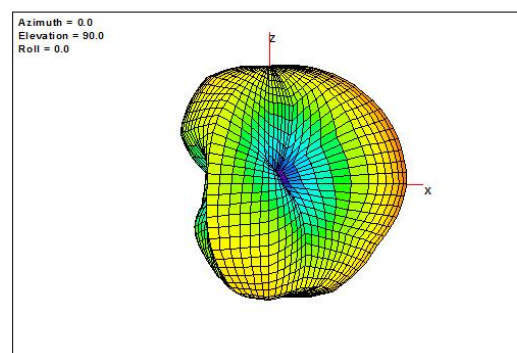
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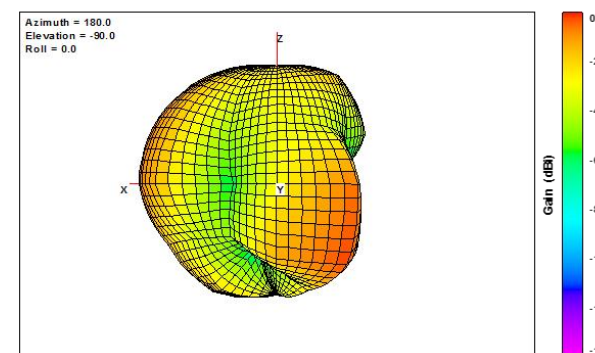
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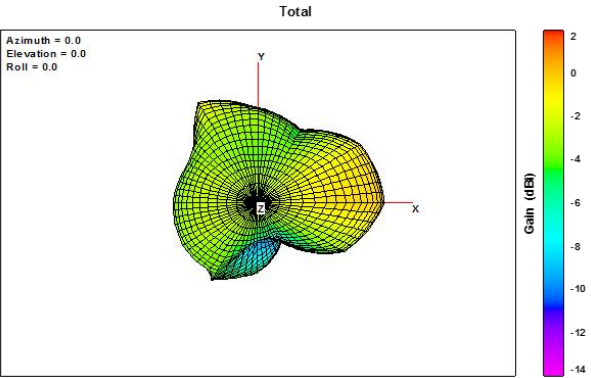
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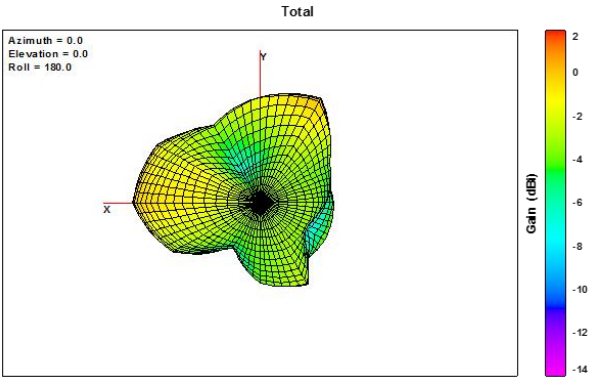


2450MHz

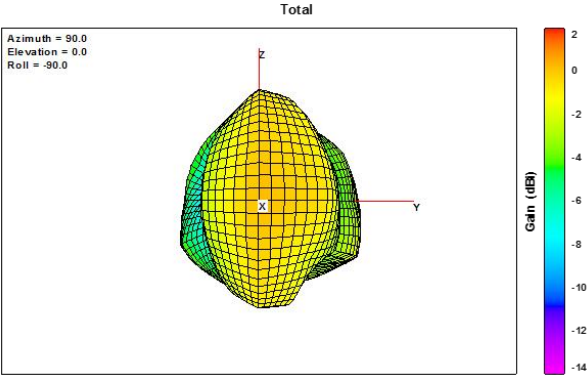
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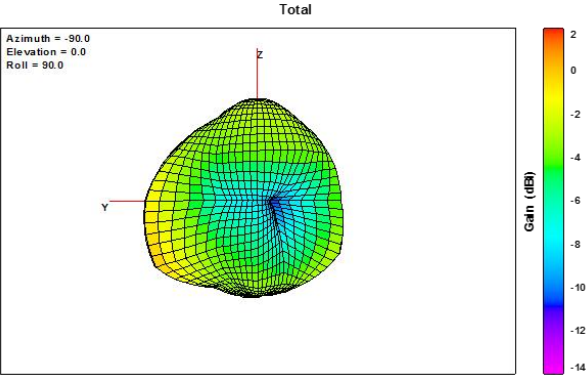
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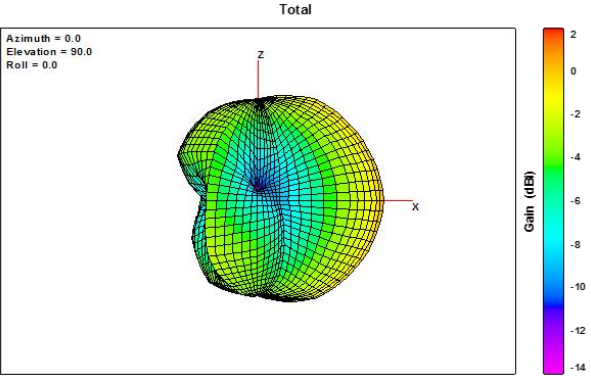
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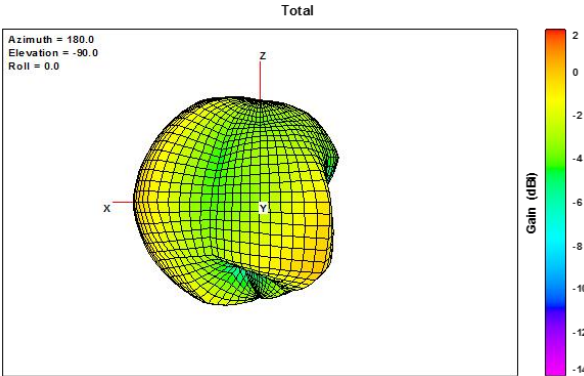
Theta = 90, Phi = 180



Theta = 90, Phi = 270



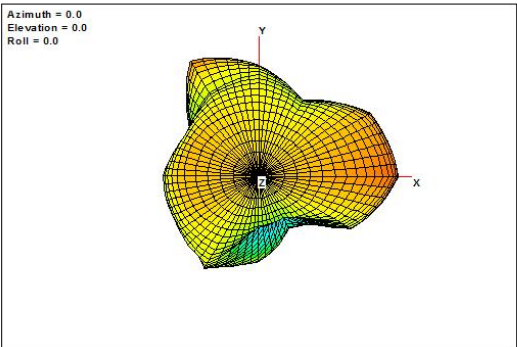
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2500MHz

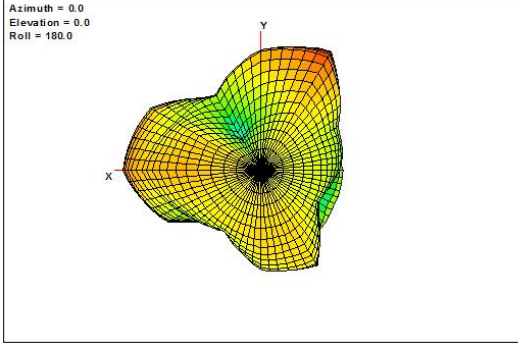
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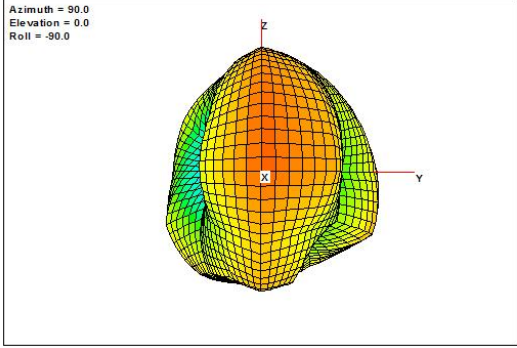
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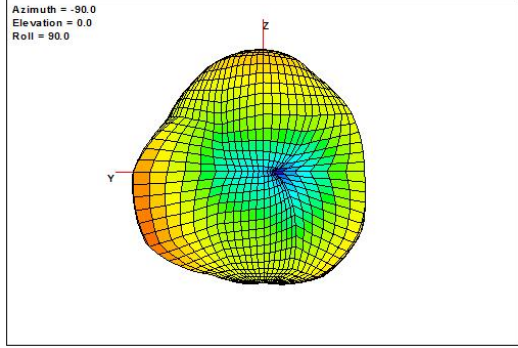
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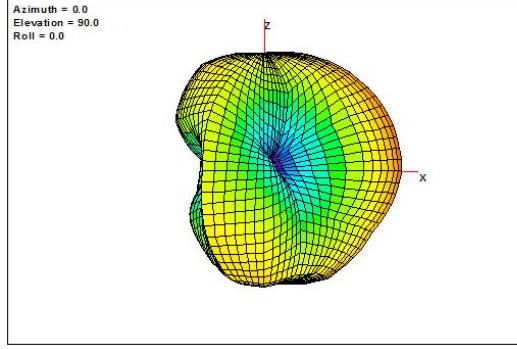
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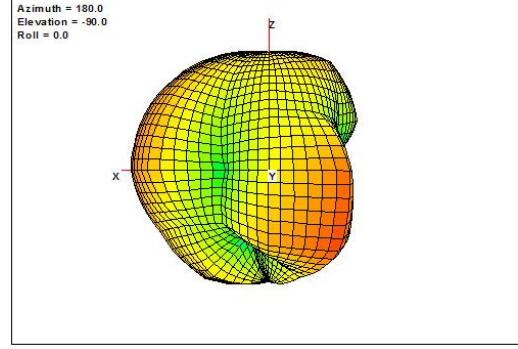
Theta = 90, Phi = 270

Total

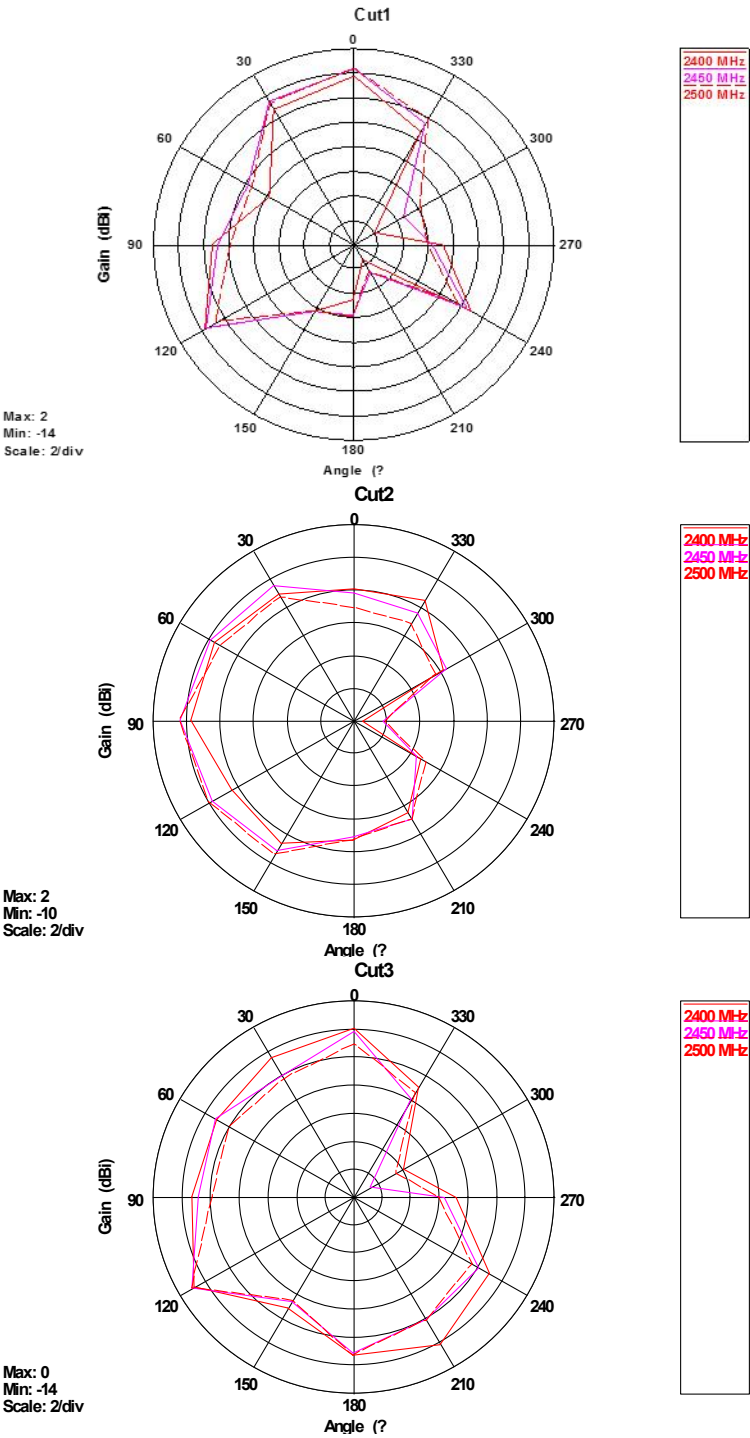


Theta = 90, Phi = 90

Total



2D PATTERN



4. TEST SETUP PHOTOGRAPHS CONFIGURATIONS

