



中认信通

CHINA CERTIFICATION ICT CO., LTD (DONGGUAN)

ANTENNA TEST REPORT

Manufacture: Chipolo d.o.o.

Address: Gabrsko 12, 1420 Trbovlje, Slovenia

Product Name: 2.4 GHz PCB antenna

Product Model: C24W-ANT

Report Number: 2503Q30828E-RF

Date Of Issue: 2025/2/24

Reviewed & Approved By: Sun Zhong

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Title: Manager

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Test Facility

The Test site used by China Certification ICT Co., Ltd (Dongguan) to collect test data is located on the No. 113, Pingkang Road, Dalang Town, Dongguan, Guangdong, China.

Declarations

China Certification ICT Co., Ltd (Dongguan) is not responsible for the authenticity of any test data provided by the applicant. Data included from the applicant that may affect test results are marked with a triangle symbol “▲”. Customer model name, addresses, names, trademarks etc. are not considered data.

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.

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DOCUMENT REVISION HISTORY

Revision Number	Report Number	Description of Revision	Date of Revision
1.0	2503Q30828E-RF	Original Report	2025/2/24

1. GENERAL INFORMATION

Product Name:	2.4 GHz PCB antenna
Product Model:	C24W-ANT
Antenna Type:	PCB
Test Items:	Gain; Efficiency; Radiation Pattern
Test Frequency (MHz):	2402, 2440, 2480
Sample Number:	2YLI-1
EUT Received Date:	2025/2/20
EUT Received Status:	Good

2. TEST CONFIGURATIONS

2.1 Test Environment

Temperature (°C)	23
Humidity (%RH)	52
Atmospheric Pressure (kPa)	101.8
Tester	Leo Li
Test Date	2025/2/21

2.2 Test Equipment

Test Instrument	R&S ZNB8
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3. TEST RESULTS

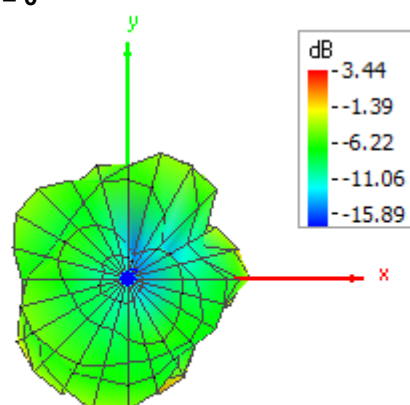
3.1 Gain and Efficiency

Frequency (MHz)	Efficiency (%)	Peak Gain (dBi)
2402.00	40.12	3.44
2440.00	53.88	5.30
2480.00	56.22	5.99

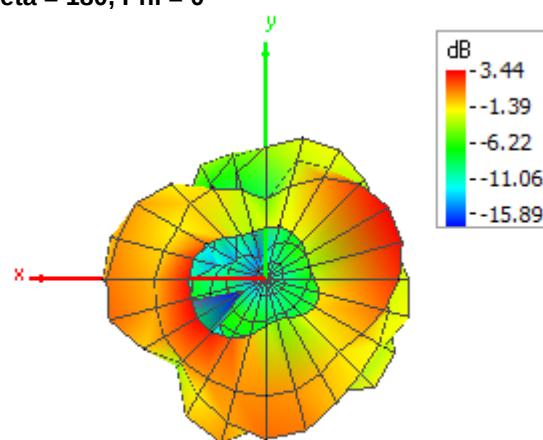
3.2 Radiation Pattern

2402 MHz 3D

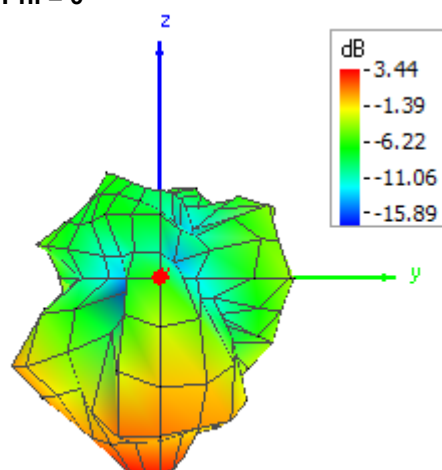
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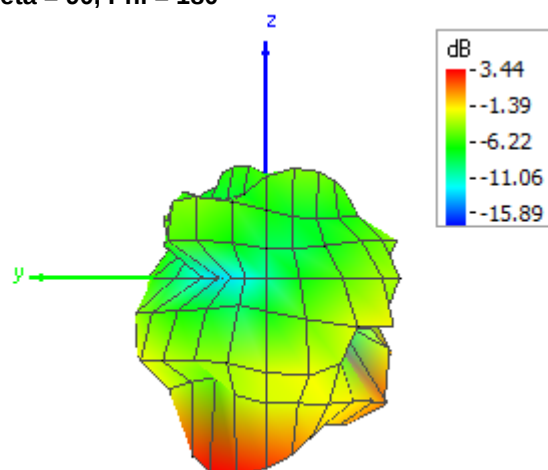
Theta = 180, Phi = 0



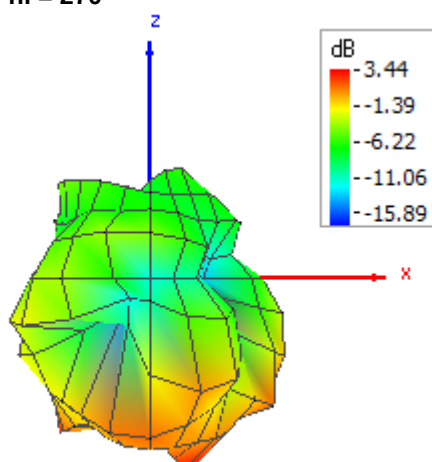
Theta = 90, Phi = 0



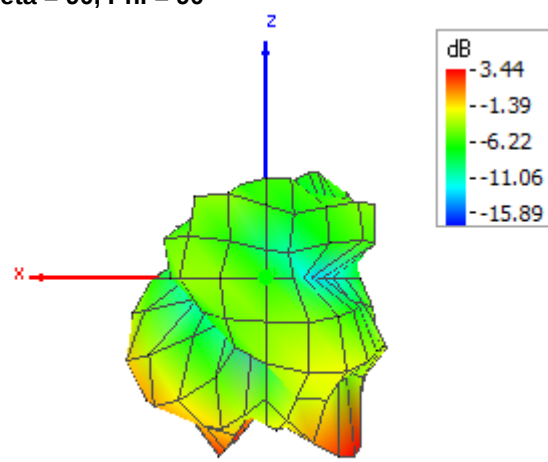
Theta = 90, Phi = 180



Theta = 90, Phi = 270

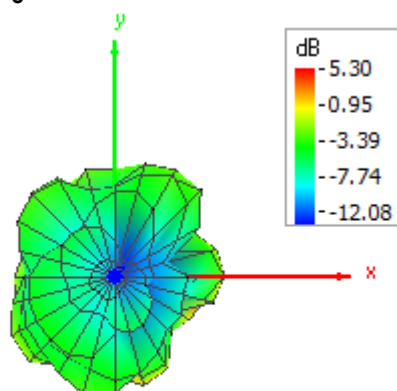


Theta = 90, Phi = 90

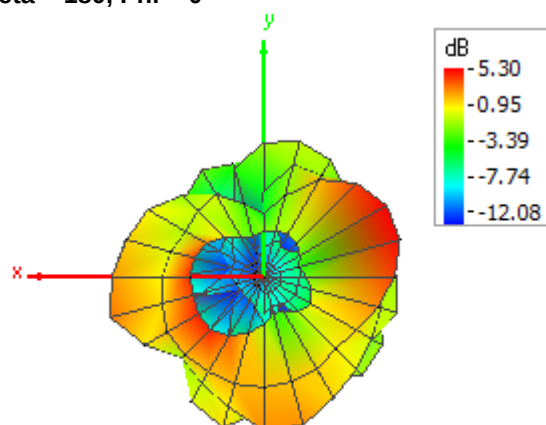


2440 MHz 3D

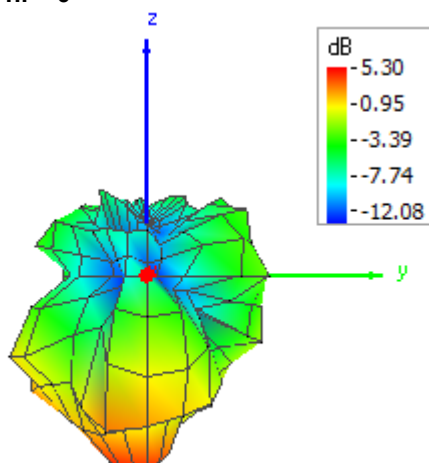
Theta = 0, Phi = 0



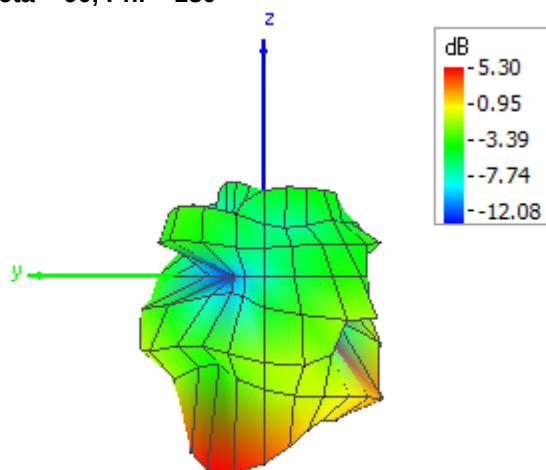
Theta = 180, Phi = 0



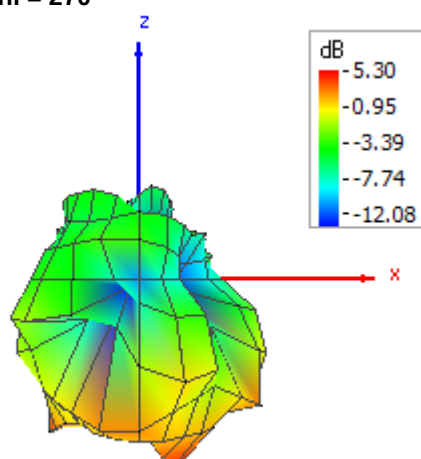
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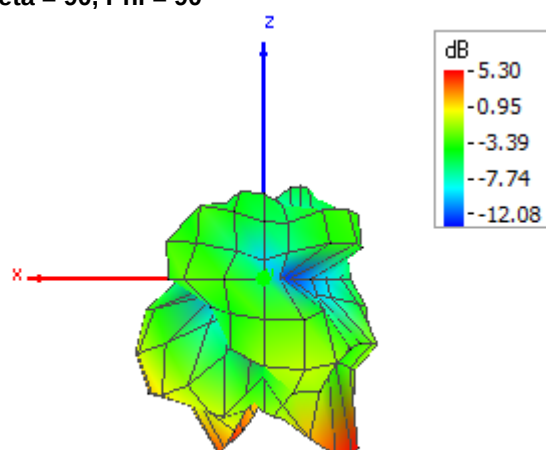
Theta = 90, Phi = 180



Theta = 90, Phi = 270

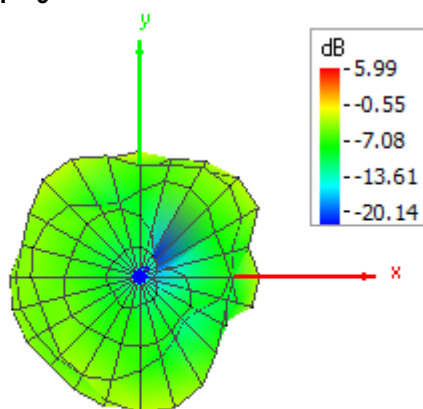


Theta = 90, Phi = 90

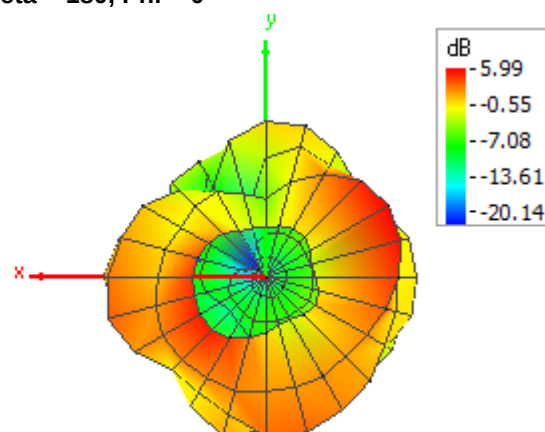


2480 MHz 3D

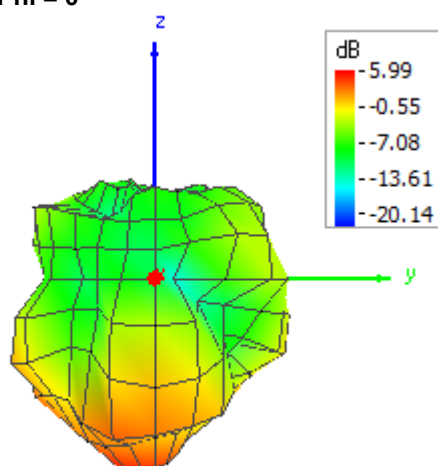
Theta = 0, Phi = 0



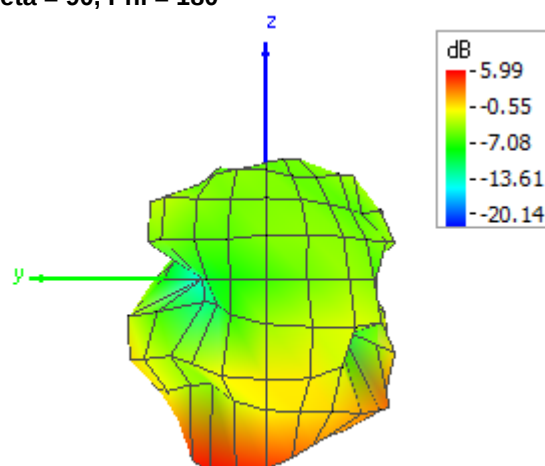
Theta = 180, Phi = 0



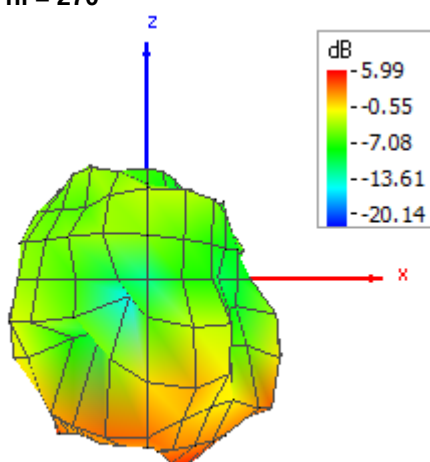
Theta = 90, Phi = 0



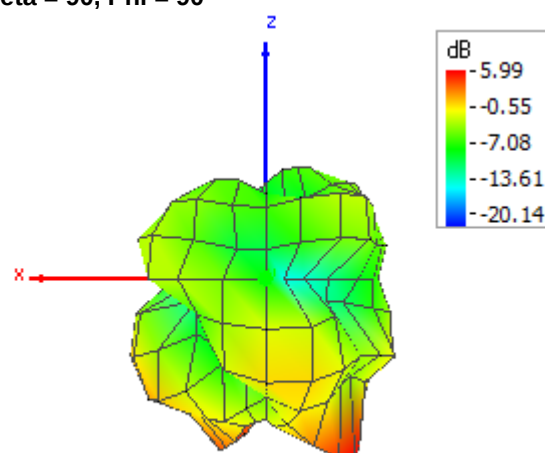
Theta = 90, Phi = 180



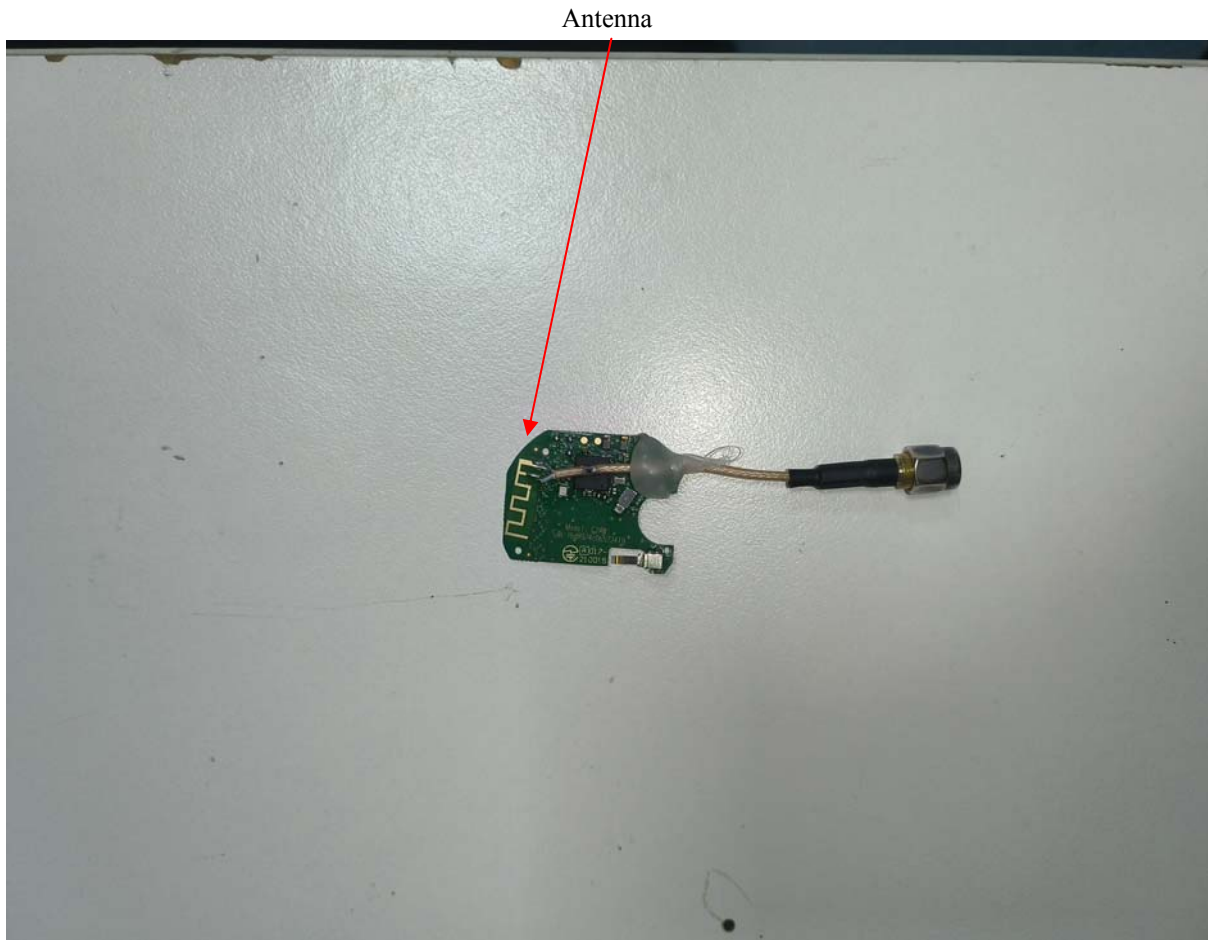
Theta = 90, Phi = 270



Theta = 90, Phi = 90



4. EUT PHOTOGRAPHS



5. TEST SETUP PHOTOGRAPHS



===== END OF REPORT =====