



中认信通

CHINA CERTIFICATION ICT CO., LTD (DONGGUAN)

ANTENNA TEST REPORT

Manufacture: ABO ELECTRONICS (SHENZHEN) CO., LTD.

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Baoan District, Shenzhen, China. PC:518103

Product Name: Keon FR4

Product Model: WIFI_BT_2.4GHz_V2.91

Report Number: 2503P36001E-RF

Date Of Issue: 2025/1/22

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	2503P36001E-RF	Original Report	2025/1/22

1. GENERAL INFORMATION

Product Name:	Keon FR4
Product Model:	WIFI_BT_2.4GHz_V2.91
Antenna Type:	PCB
Test Items:	Gain; Efficiency; Radiation Pattern
Test Frequency (MHz):	2400, 2450, 2500
Sample Number:	2WZRH-1
EUT Received Date:	2025/1/20
EUT Received Status:	Good

2. TEST CONFIGURATIONS

2.1 Test Environment

Temperature (°C)	21
Humidity (%RH)	40
Atmospheric Pressure (kPa)	101.1
Tester	Leo Li
Test Date	2025/1/21

2.2 Test Equipment

Test Instrument	R&S ZNB8
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3. TEST RESULTS

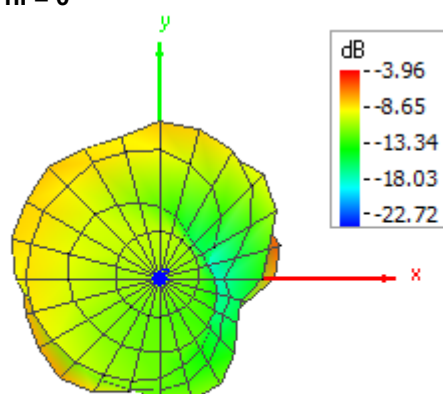
3.1 Gain and Efficiency

Frequency (MHz)	Efficiency (%)	Peak Gain (dBi)
2400.00	11.95	-3.96
2450.00	12.84	-3.58
2500.00	12.08	-3.53

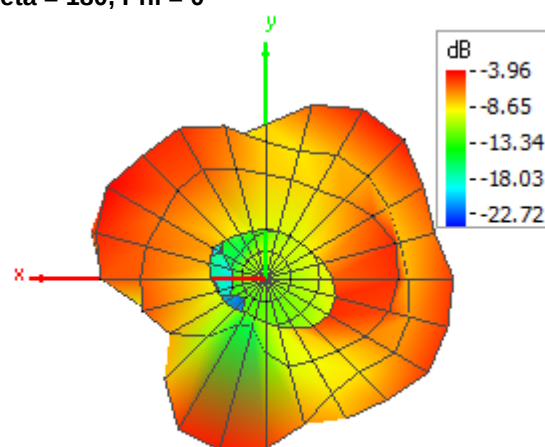
3.2 Radiation Pattern

2400 MHz 3D

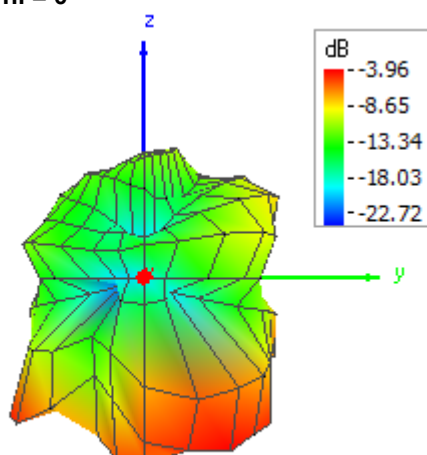
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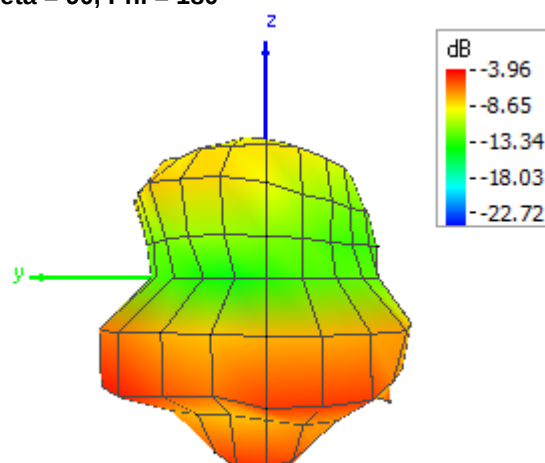
Theta = 180, Phi = 0



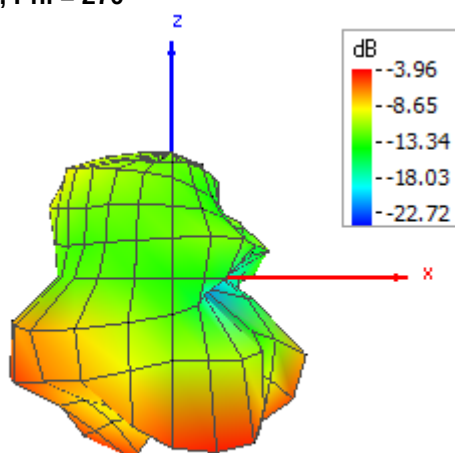
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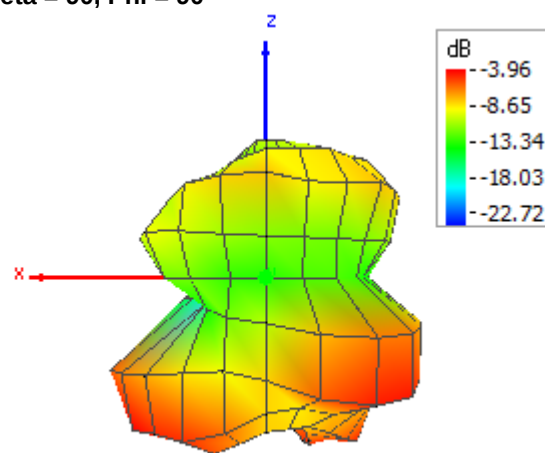
Theta = 90, Phi = 180



Theta = 90, Phi = 270

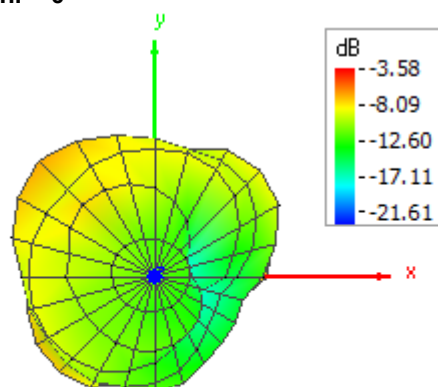


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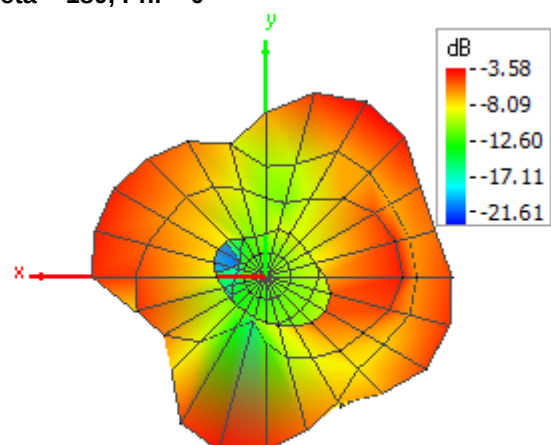


2450 MHz 3D

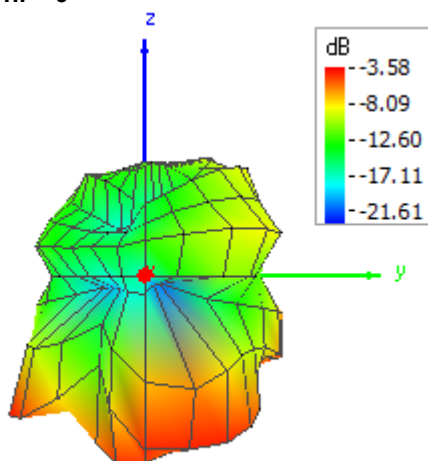
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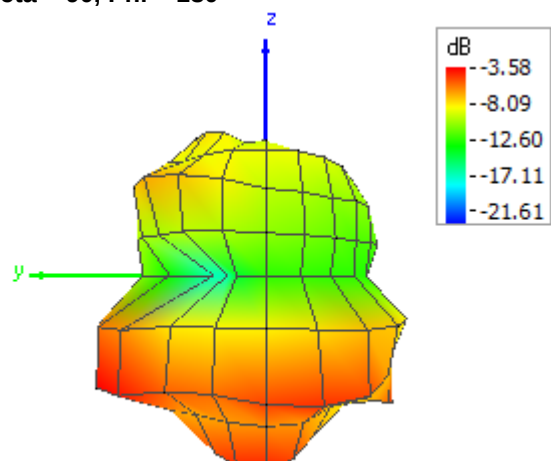
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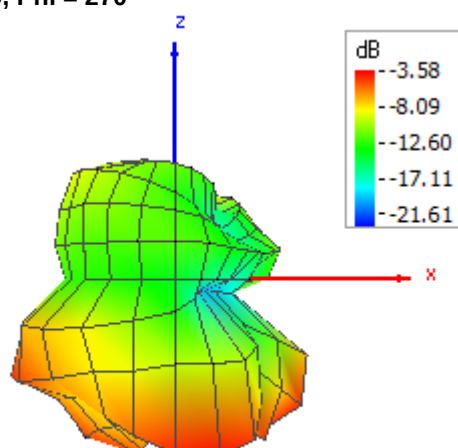
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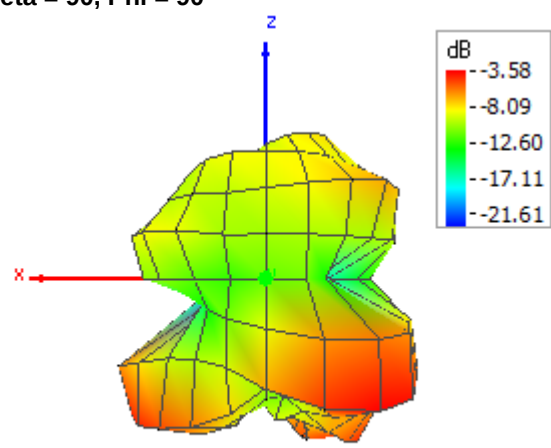
Theta = 90, Phi = 180



Theta = 90, Phi = 270

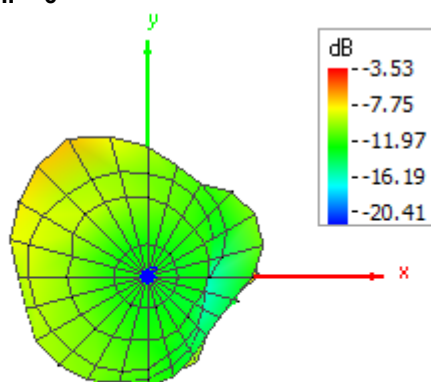


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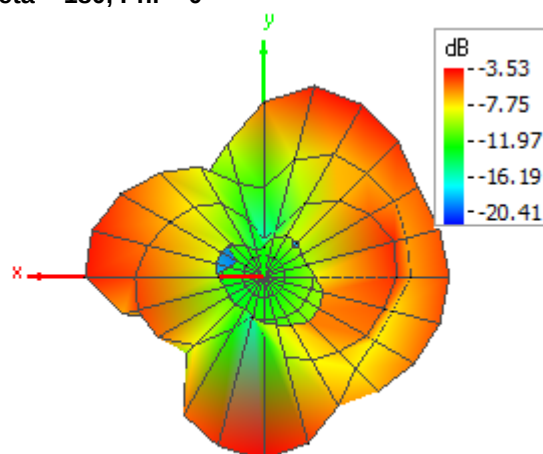


2500 MHz 3D

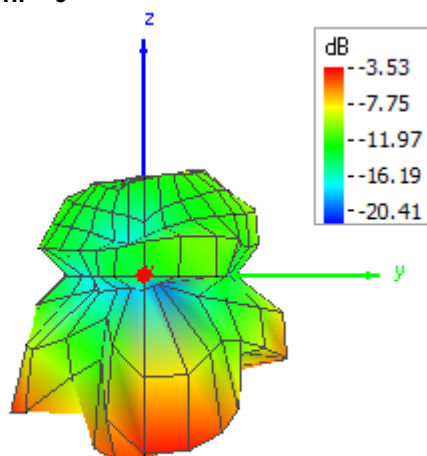
Theta = 0, Phi = 0



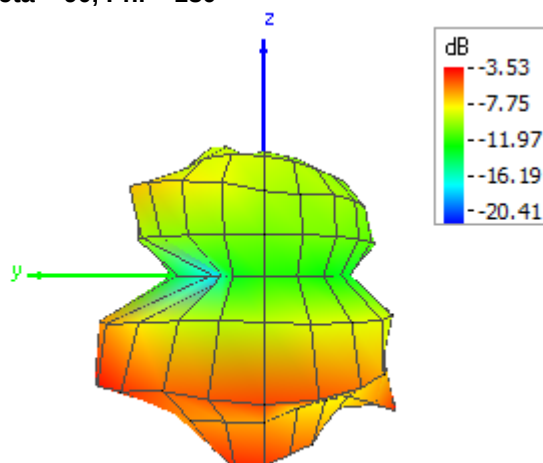
Theta = 180, Phi = 0



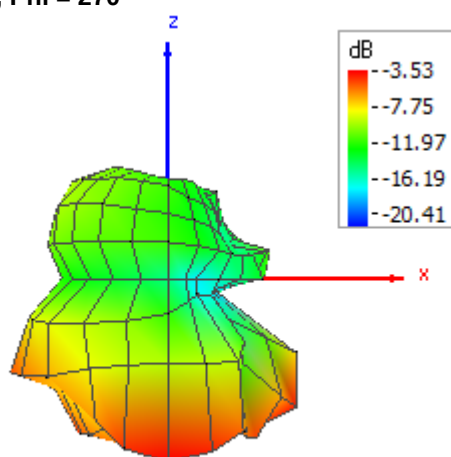
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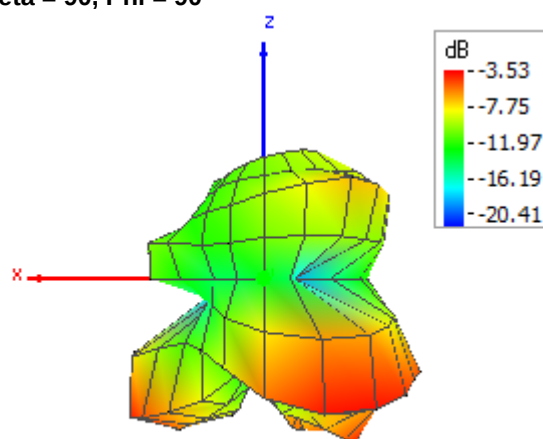
Theta = 90, Phi = 180



Theta = 90, Phi = 270



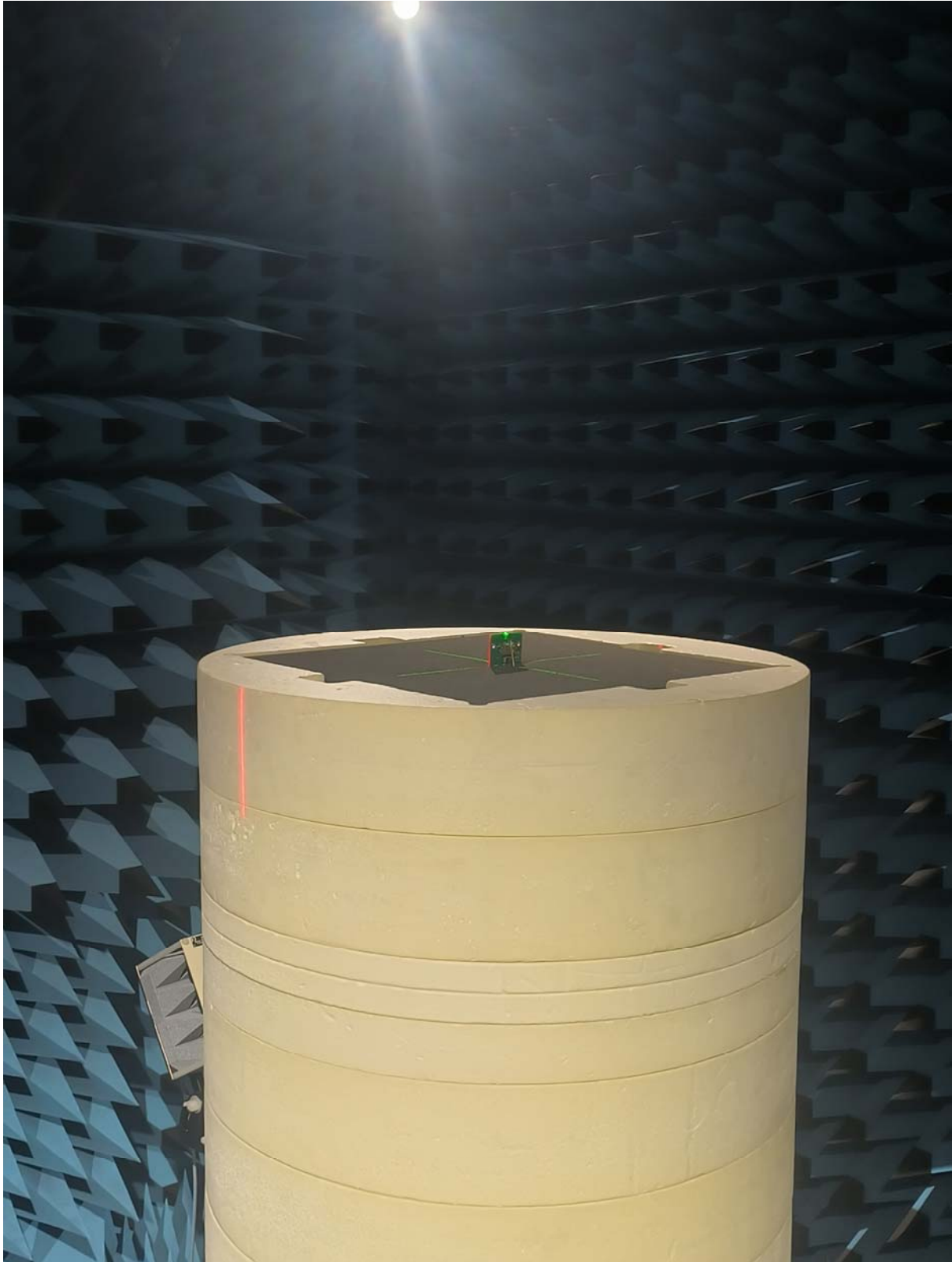
Theta = 90, Phi = 90



4. EUT PHOTOGRAPHS



5. TEST SETUP PHOTOGRAPHS



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