

Antenna Test Report

Manufacture: Meizhou Guo Wei Electronics Co., Ltd.

Product Name: PIP15 BU Antenna

Antenna Type: Monopole

Test Date: 2023/11/16

Tested by: Hugo Huo

Approved by: Sun Zhong

1. General Description

Manufacturer	Meizhou Guo Wei Electronics Co., Ltd.
Address	AD1 Section, Economic Development Area, Dongsheng Industrial District, Meizhou, Guangdong, China.
Test Location	No. 113, Pingkang Road, Dalang Town, Dongguan, China
Product Name	PIP15 BU Antenna
Antenna Type	Monopole
Test Items	Gain; Efficiency; Radiation Pattern
Test Frequency	1920MHz, 1925MHz, 1930MHz

2. Test Configurations

Test Environment

Temperature (°C)	22.9
Humidity (%RH)	62
Atmospheric Pressure (kPa)	101.7

Test Equipment

Test Instrument	R&S ZNB8
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3.Test Results

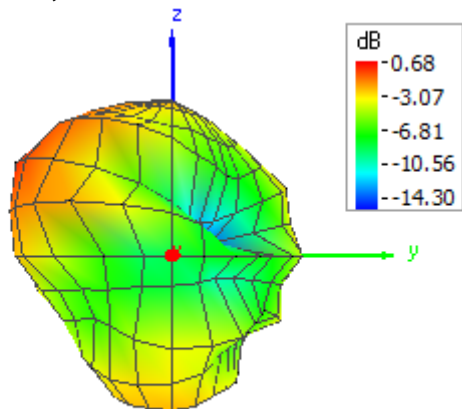
Gain and Efficiency

Frequency (MHz)	Peak Gain (dBi)	Efficiency (%)
1920	0.68	52.76
1925	1.01	54.71
1930	1.16	56.36

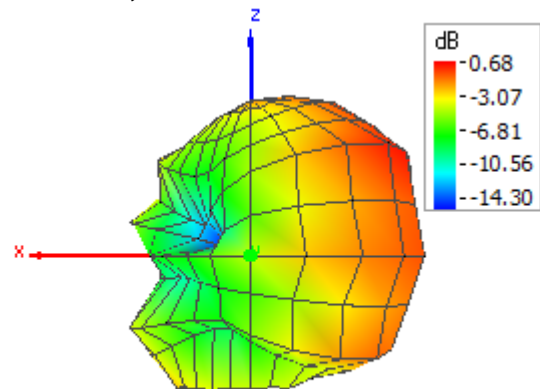
4. Radiation Pattern

1920MHz 3D

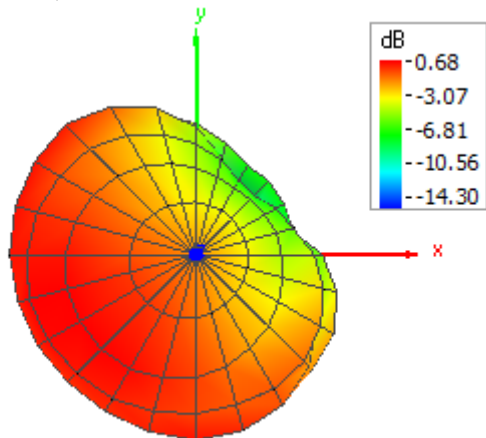
Theta = 90, Phi = 0



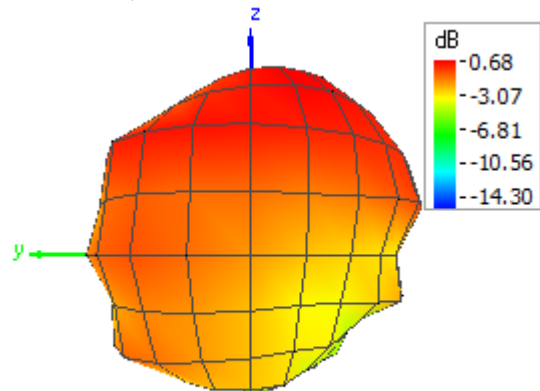
Theta = 90, Phi = 90



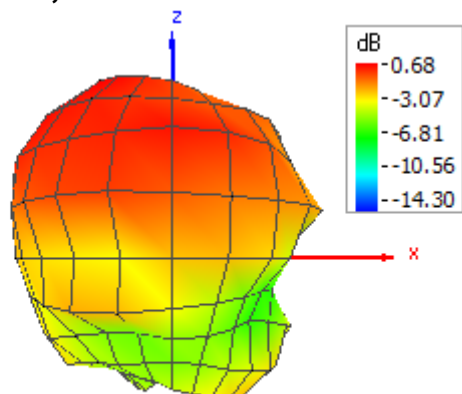
Theta = 0, Phi = 0



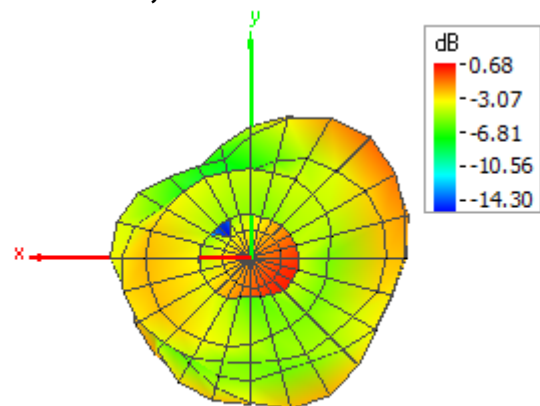
Theta = 90, Phi = 180



Theta = 90, Phi = 270

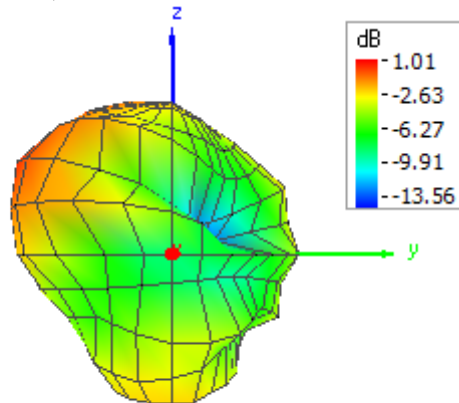


Theta = 180, Phi = 0

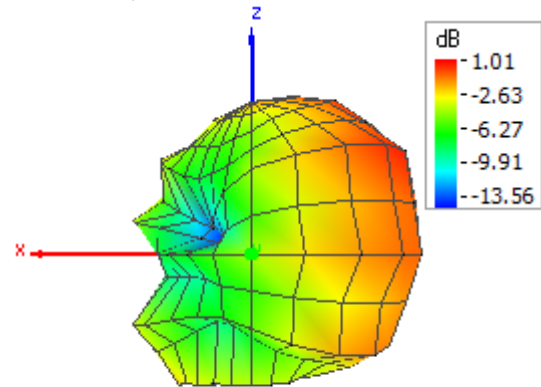


1925MHz 3D

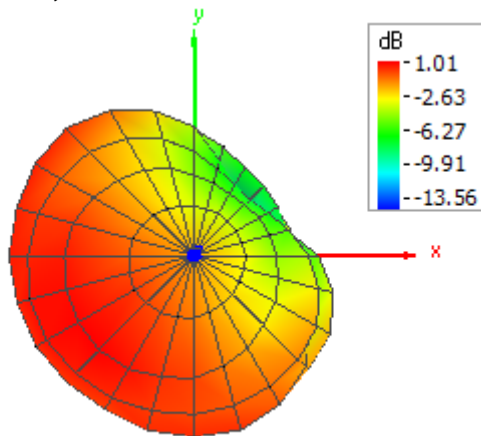
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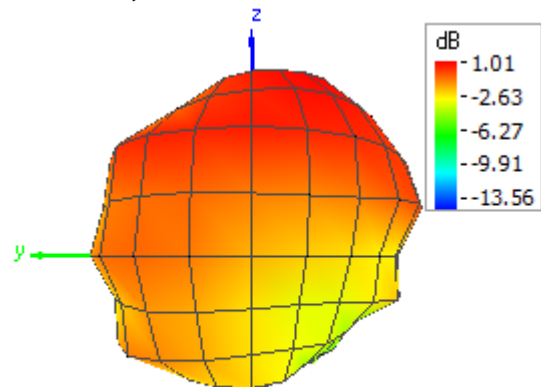
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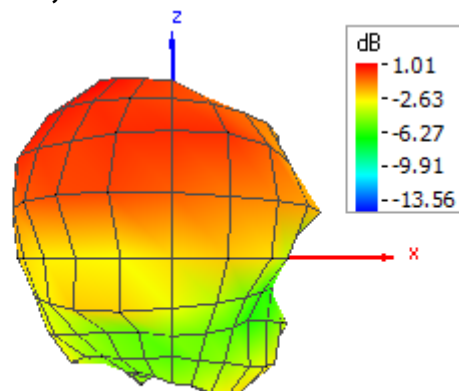
Theta = 0, Phi = 0



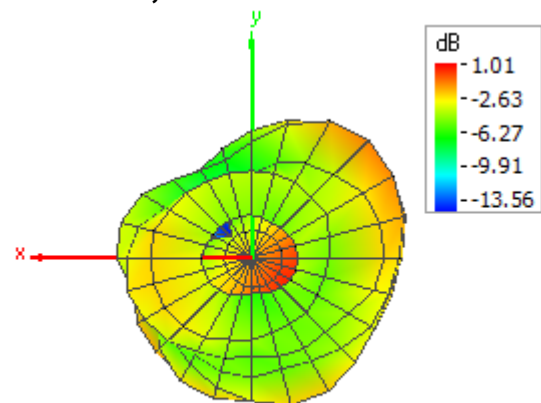
Theta = 90, Phi = 180



Theta = 90, Phi = 270

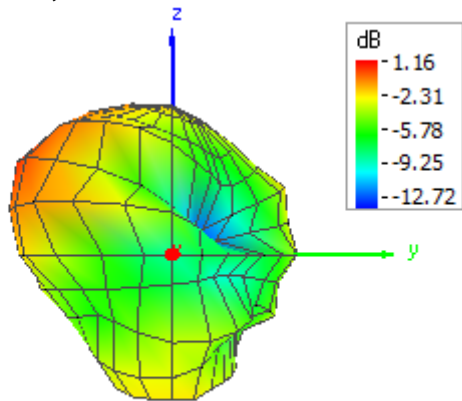


Theta = 180, Phi = 0

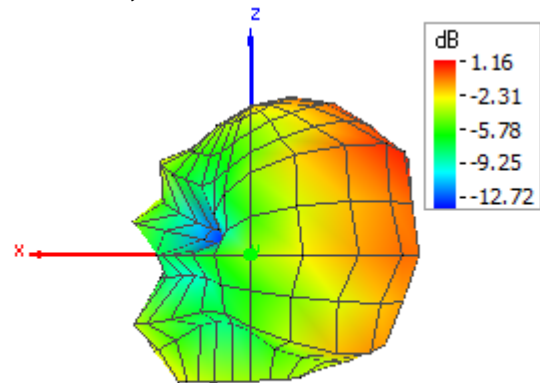


1930MHz 3D

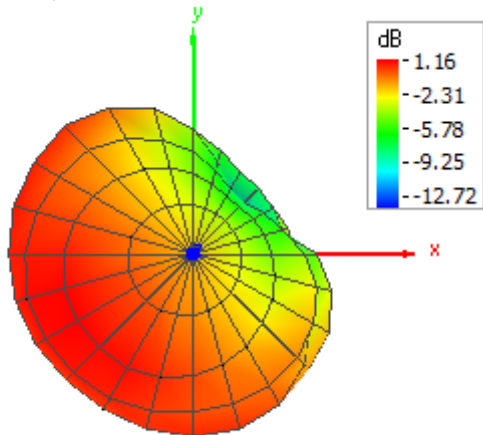
Theta = 90, Phi = 0



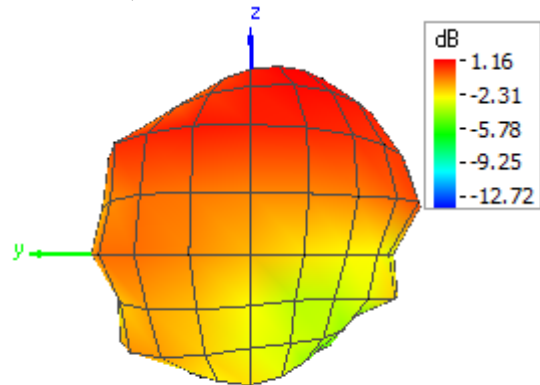
Theta = 90, Phi = 90



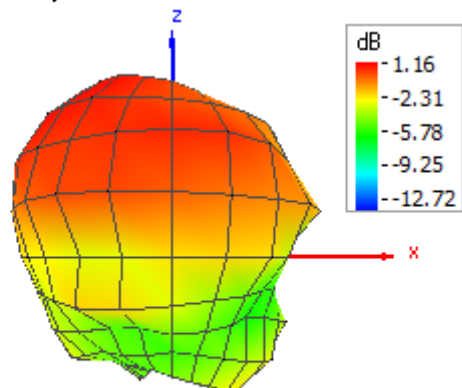
Theta = 0, Phi = 0



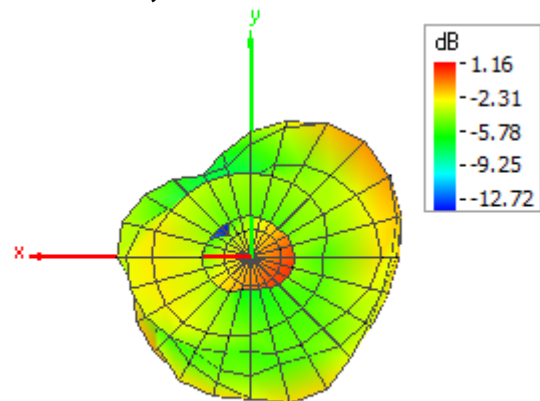
Theta = 90, Phi = 180



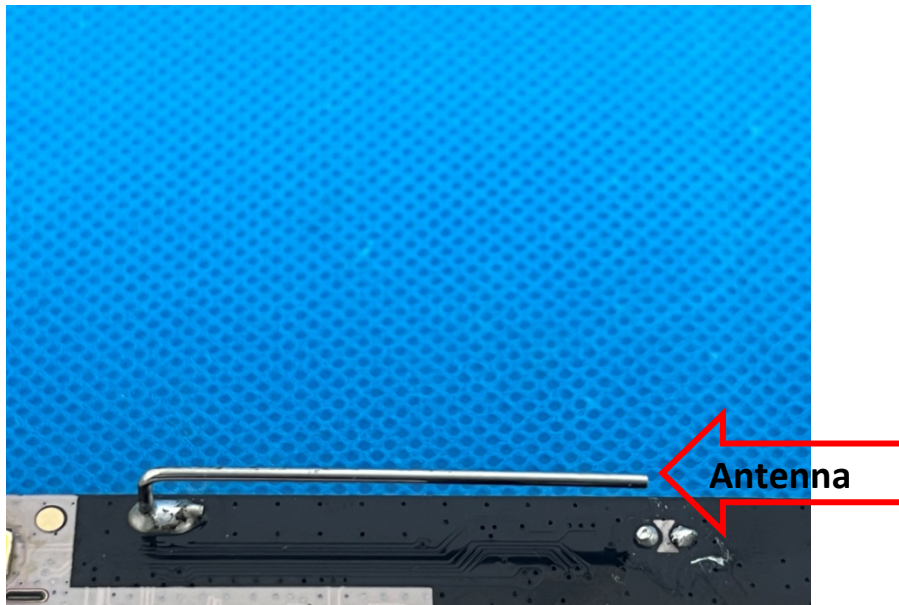
Theta = 90, Phi = 270



Theta = 180, Phi = 0



5.EUT Photo



6.Test Setup Photo

