TEST REPORT

ISSUED FOR

Zhongshan Yuefong(MAI'S) Manufacture Co., Ltd.

Dongfu Road, Fusha Town, Zhongshan City, Guangdong Province,China

MANUFACTURER	:	Zhongshan Yuefong(MAI'S) Manufacture Co., Ltd.
PRODUCT NAME		PCB Antenna
MODEL NAME	:	DYF11
TRADE NAME	:	N/A
Test Standard	:	IEEE149-1979
TEST DATE	:	2024-9-27~2024-10-8
ISSUE DATE		2024-10-8

Testing Engineer : Peter peng

Authorized Signatory : Jim he

DIRECTORY

Change History		
Issue	Date	Reason
1.0	2024-10-8	First edition

1. Technical Information

Note: Provide by manufacturer.

1.1. Manufacturer and Factory Information

Applicant:	Zhongshan Yuefong(MAI'S) Manufacture Co., Ltd.
Applicant Address:	Dongfu Road, Fusha Town, Zhongshan City, Guangdong Province,China
Manufacturer:	Zhongshan Yuefong(MAI'S) Manufacture Co., Ltd.
Manufacturer Address:	Dongfu Road, Fusha Town, Zhongshan City, Guangdong Province,China
Gain (Max):	-3.76 dBi

1.2. Equipment Under Test (EUT) Description

Wireless Type	Bluetooth
Frequency	2402MHz-2480MHz

2. Test Results

2.1. Applied Reference Documents

Leading reference documents for testing:

No.	Identity	Document Title
1	IEEE149-1979	IEEE Standard Test Procedures for Antennas

2.2. Test Conditions

Test Environment Conditions：

Relative Humidity:	15 ... 75 %
Temperature:	+10 °C to +30 °C

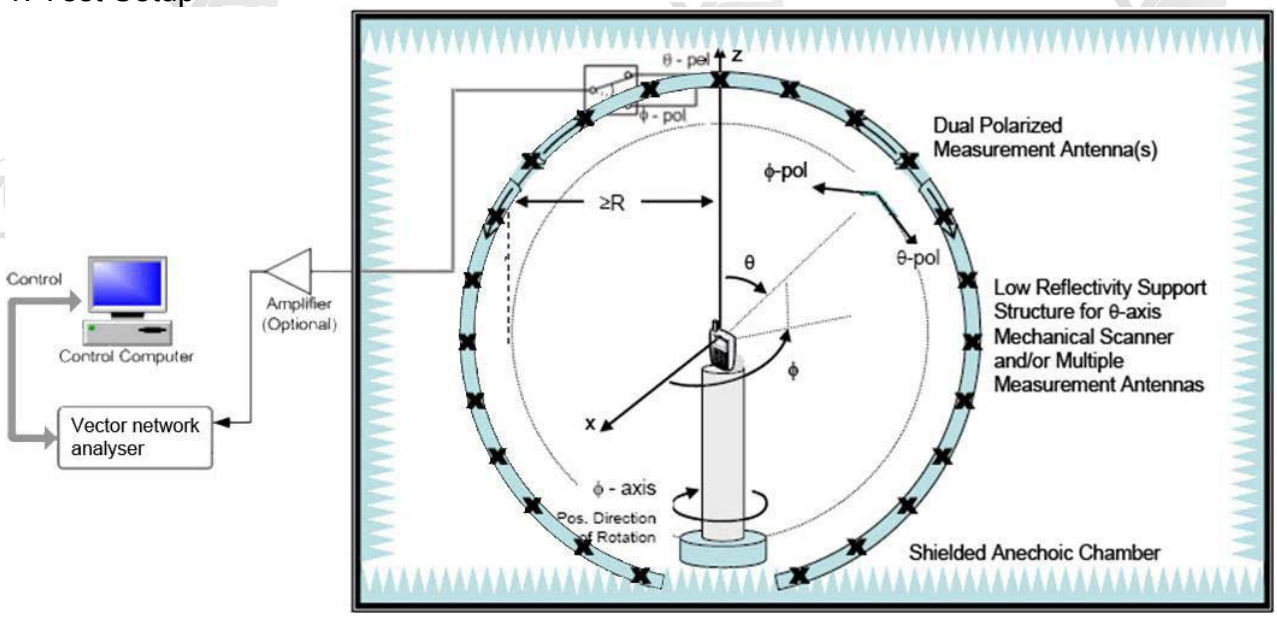
2.3. Test Results lists

2.3.1. Gain

Frequency (MHz)	Efficiency (%)	Gain (dBi)
2400	10.5413	-3.76
2410	10.4419	-4.31
2420	11.5534	-4.22
2430	11.7156	-5.19
2440	13.2369	-4.41
2450	15.1228	-5.31
2460	16.3369	-7.12
2470	17.2872	-5.24
2480	17.6624	-7.46
2490	18.4219	-6.21
2500	19.2996	-7.31

Annex A Photographs

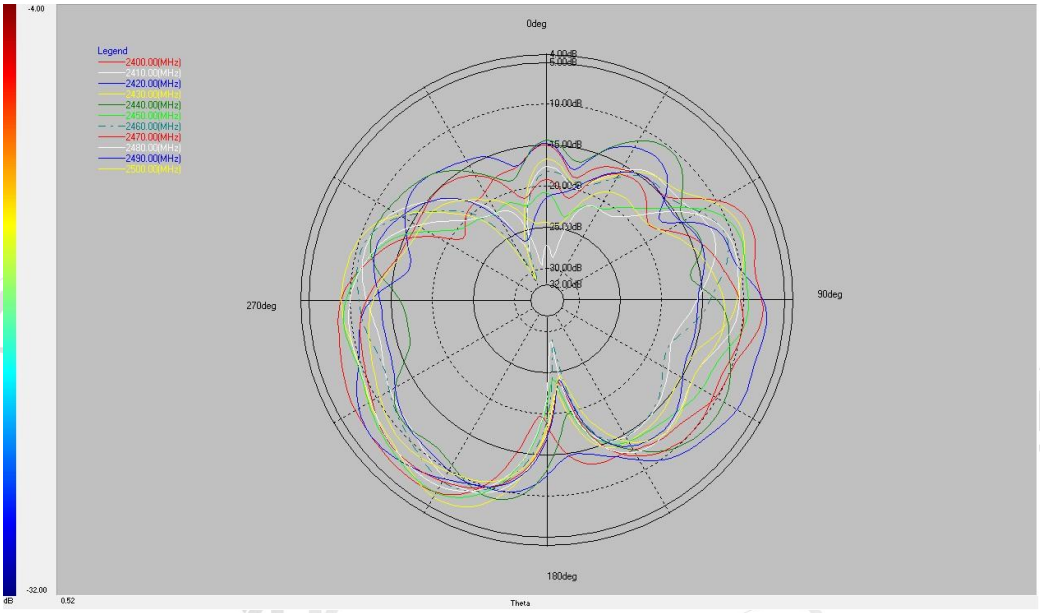
1. Test Setup



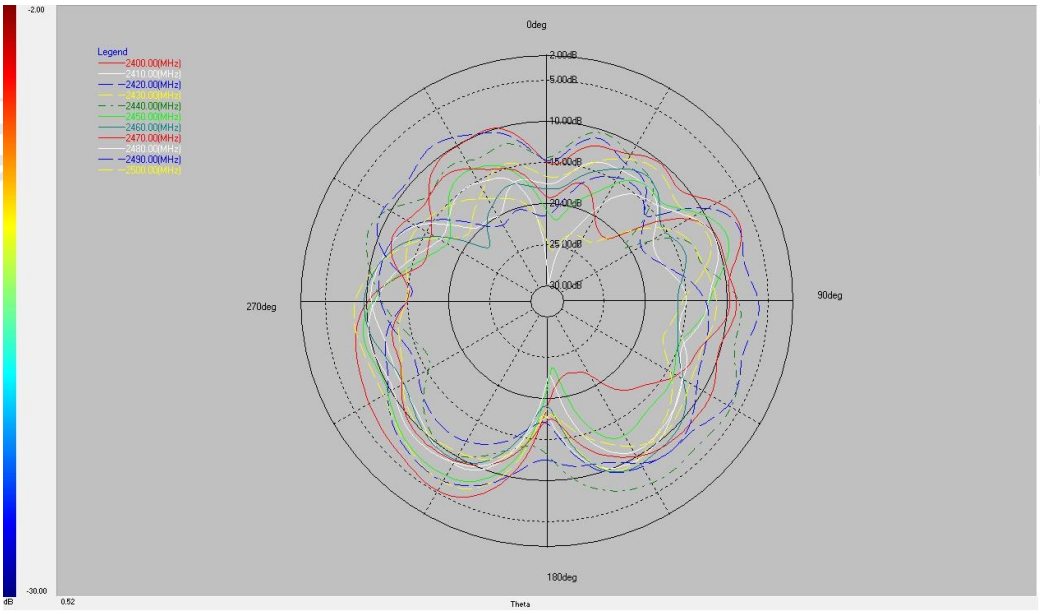
Annex B Figures

1. 2D Radiation Pattern

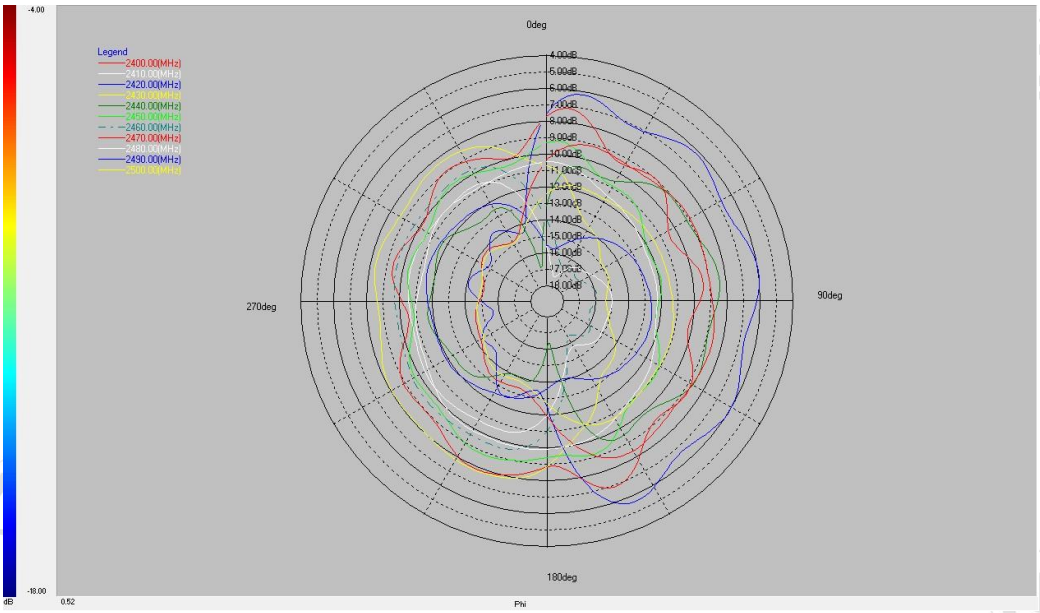
Phi=0°



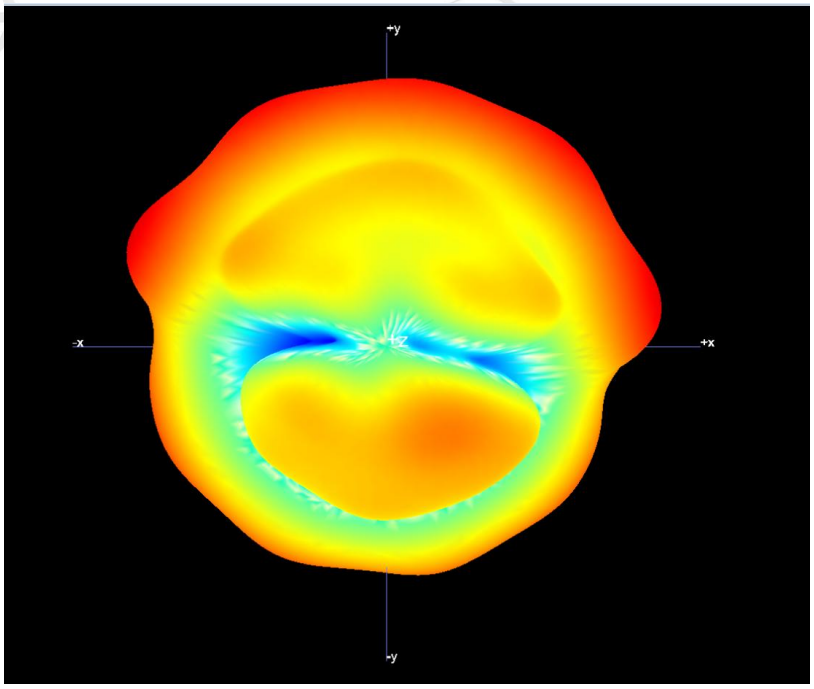
Phi=90°



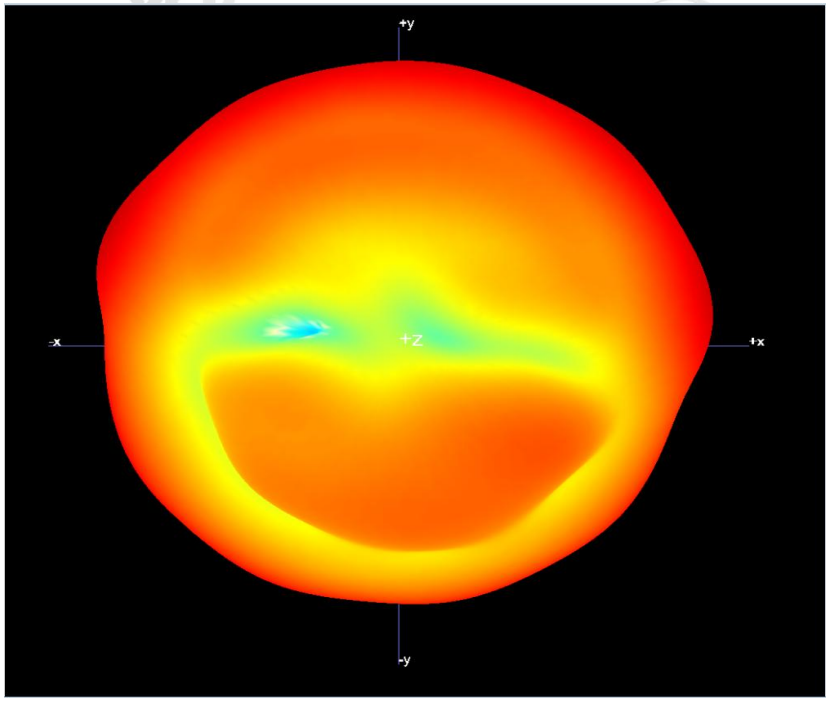
Theta=90°


-4.00
-18.00
dB
0.52
Legend
2400.00(MHz)
2420.00(MHz)
2440.00(MHz)
2460.00(MHz)
2470.00(MHz)
2490.00(MHz)
0deg
90deg
180deg
270deg
Phi

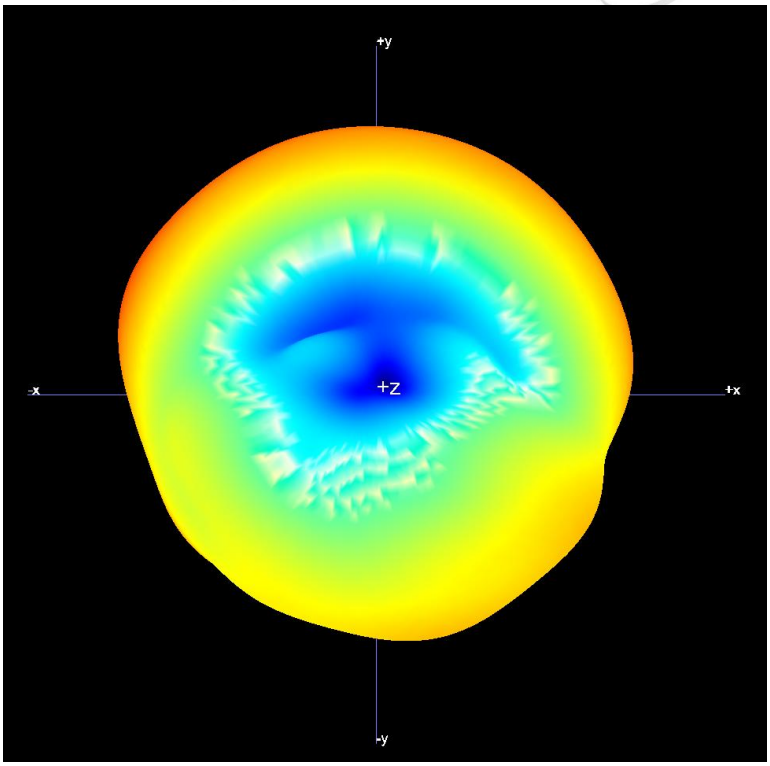
2. 3D Radiation Pattern



2400MHz



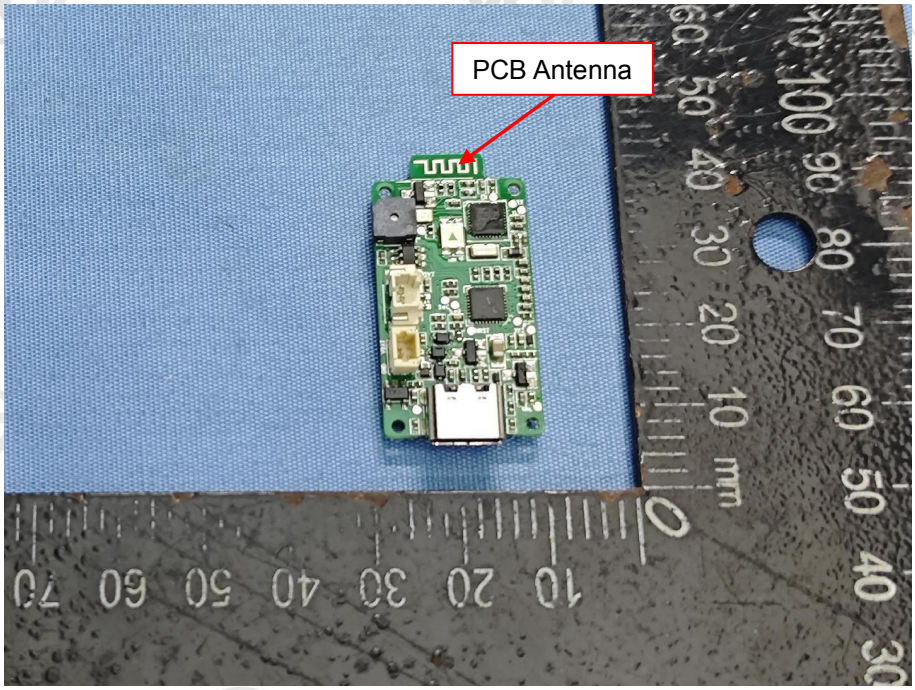
2450MHz



2500MHz

Annex C Photographs

EUT



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