TEST REPORT

ISSUED FOR

GuangZhou Chicken Run Network Technology Co.,Ltd.

Room 1001&1003, No. 19, Yard 2, Yuancun West Street, Tianhe District, Guangzhou, China

MANUFACTURER	:	GuangZhou Chicken Run Network Technology Co.,Ltd.
PRODUCT NAME		Ceramic Antenna
MODEL NAME	:	2.4G ANT
TRADE NAME	:	N/A
Test Standard	:	IEEE149-1979
TEST DATE	:	2023-06-10
ISSUE DATE		2023-06-20

Testing Engineer : Peter peng

Peter peng

Authorized Signatory : Jim he

Jim he

DIRECTORY

Change History		
Issue	**Date**	**Reason**
1.0	2023-06-20	First edition

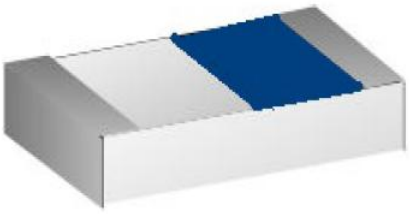
1. Technical Information

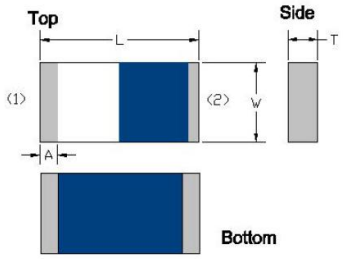
Note: Provide by manufacturer.

1.1. Equipment Under Test (EUT) Description

Frequency Range(MHZ)	**2400-2500**
Impedance(Ω)	**50±10**
Gain(dBi)	**0.35**
ReTurnLoss(dB)	**⩽-10**
VSWR	**⩽1.92**
Polarization	**omni**
Size Code	**3.2x1.6mm**
Manufacture	**GuangZhou Chicken Run Network Technology Co.,Ltd.**

1.2. Equipment Under Test (EUT) Specification





Dimension (mm)	
L	3.15+-0.15
W	1.55+-0.15
T	0.50+-0.10
A	0.35+-0.10

No.	Terminal Name
1	Feeding point
2	GND

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

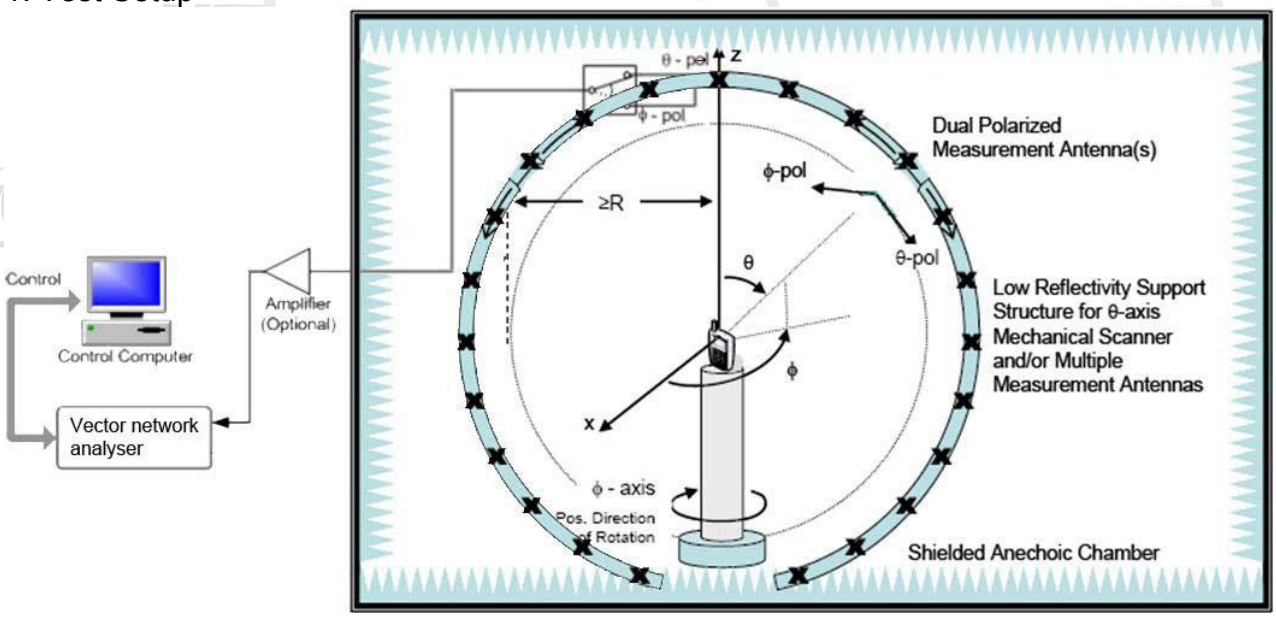
2.3. Test Results lists

2.3.1. Gain

Frequency (MHz)	Efficiency (%)	Gain (dBi)
频率	效率	增益
2400	9.4125	-1.14
2450	15.3369	0.35
2500	19.1582	-1.02

Annex A Photographs

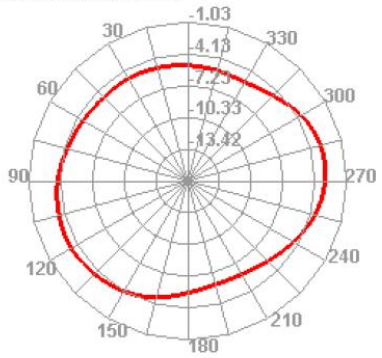
1. Test Setup



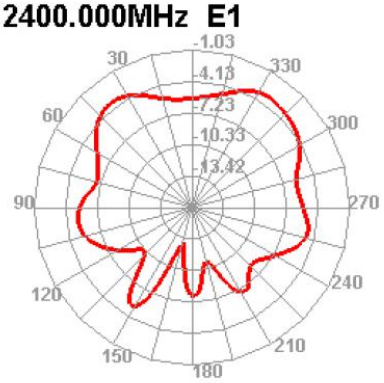
Annex B Figures

1. 2D Radiation Pattern

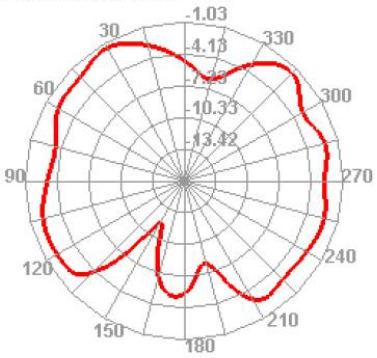
2400.000MHz H



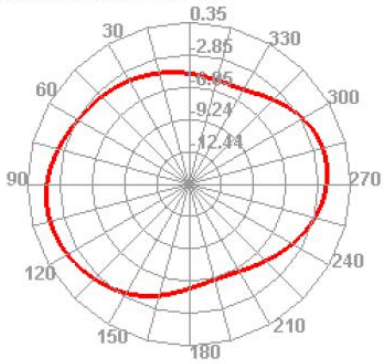
2400.000MHz E1



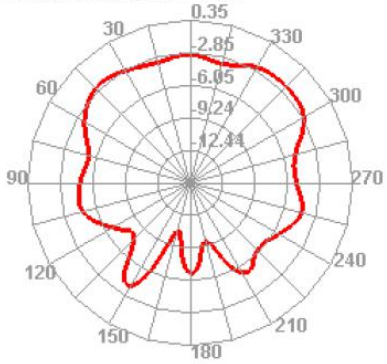
2400.000MHz E2



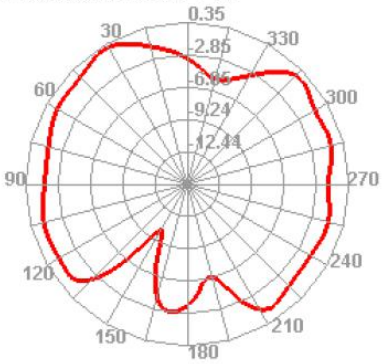
2450.000MHz H



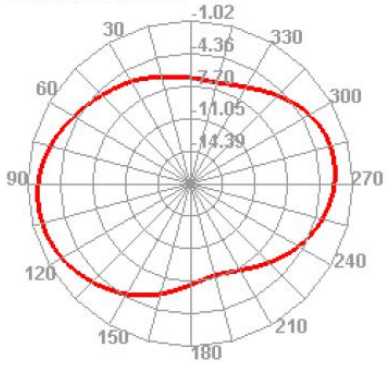
2450.000MHz E1



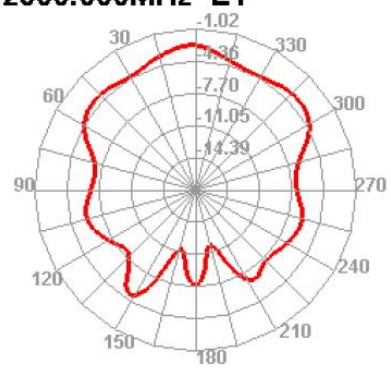
2450.000MHz E2



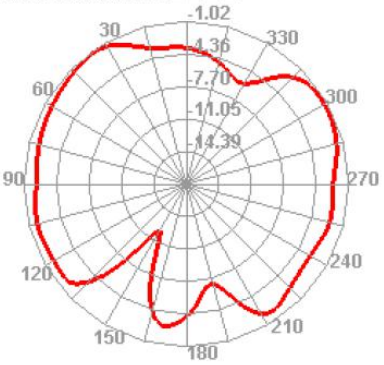
2500.000MHz H



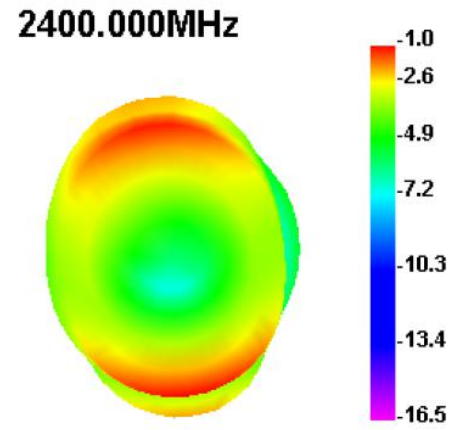
2500.000MHz E1

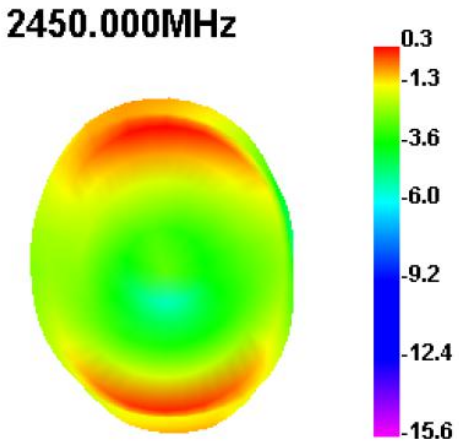


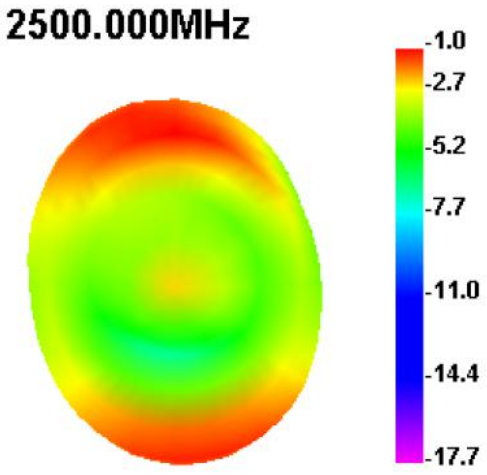
2500.000MHz E2



2. 3D Radiation Pattern







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