



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

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



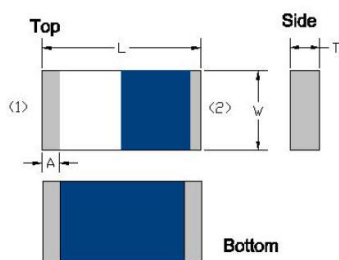
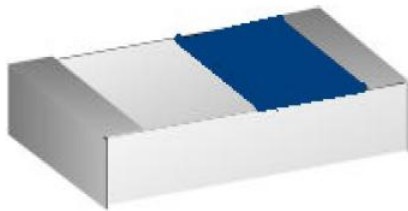
1. Technical Information

Note: Provide by manufacturer.

1.1. Equipment Under Test (EUT) Description

Frequency Range(MHZ)	2400-2500
Impedance(Ω)	50 $\pm$ 10
Gain(dBi)	0.35
ReTurnLoss(dB)	$\leq$ -10
VSWR	$\leq$ 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 $\pm$ 0.15
W	1.55 $\pm$ 0.15
T	0.50 $\pm$ 0.10
A	0.35 $\pm$ 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

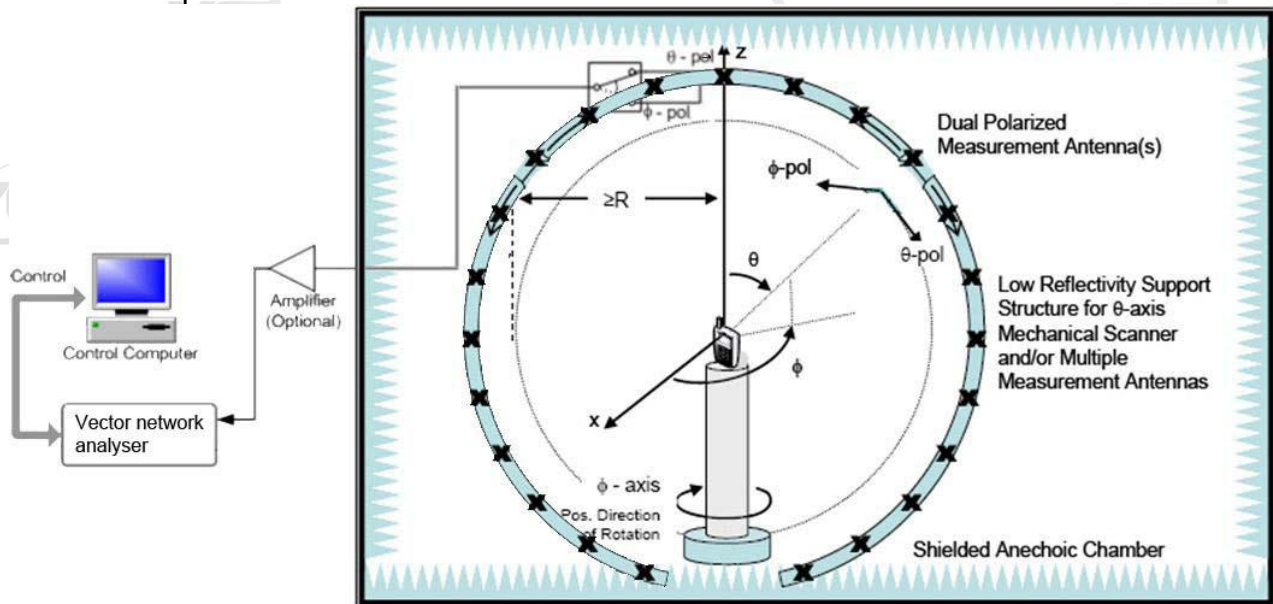
2.3.1. Gain

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

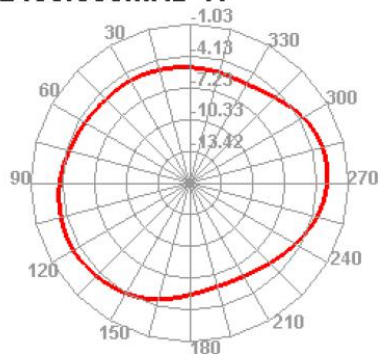
1. Test Setup



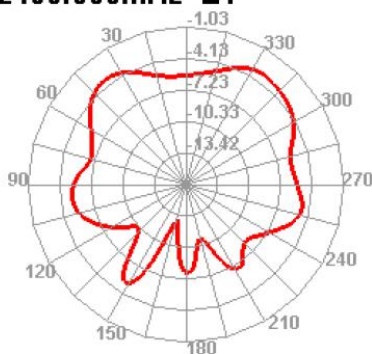
Annex B Figures

1. 2D Radiation Pattern

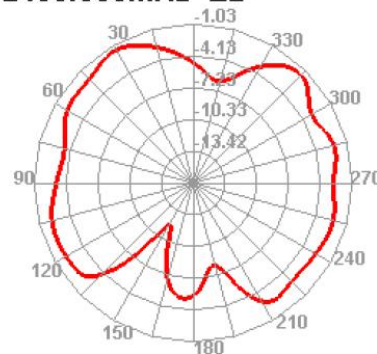
2400.000MHz H



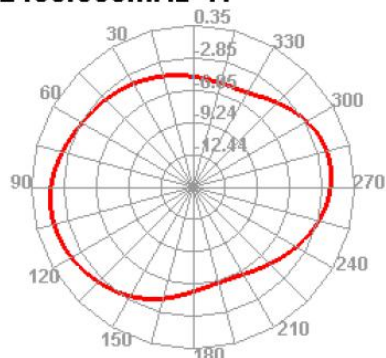
2400.000MHz E1



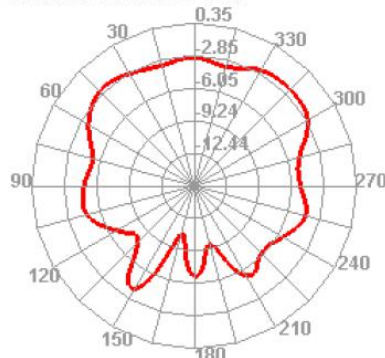
2400.000MHz E2



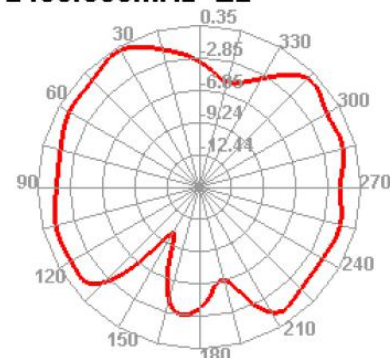
2450.000MHz H



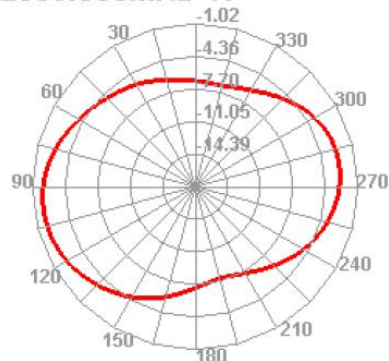
2450.000MHz E1



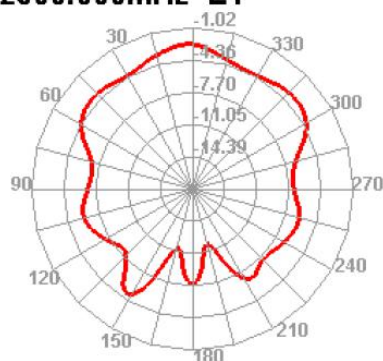
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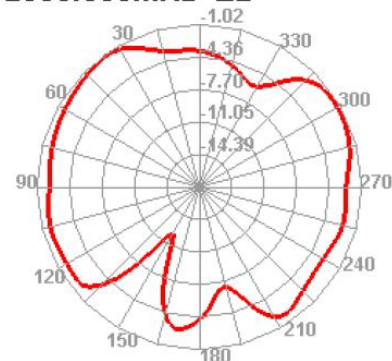
2500.000MHz H



2500.000MHz E1

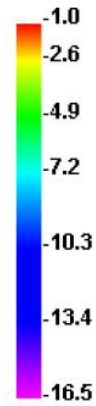
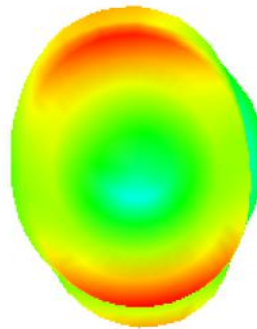


2500.000MHz E2

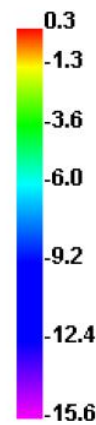
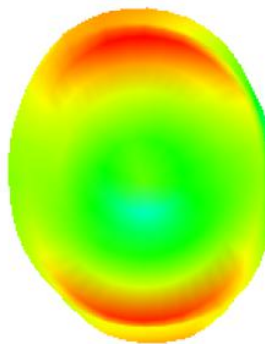


2. 3D Radiation Pattern

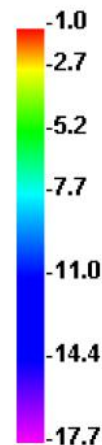
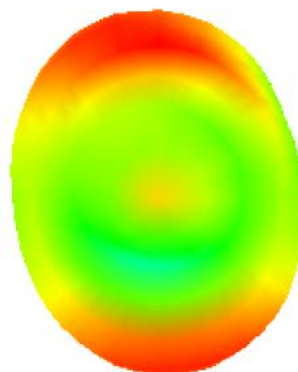
2400.000MHz



2450.000MHz



2500.000MHz



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