



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

- 1. Technical Information 3
- 1.1. Manufacturer and Factory Information 3
- 1.2. Equipment Under Test (EUT) Description 3
- 2. Test Results 4
- 2.1. Applied Reference Documents 4
- 2.2. Test Conditions 4
- 2.3. Test Results lists 4
- Annex A Photographs 5
- Annex B Figures 6
- 1. 2D Radiation Pattern 6
- 2. 3D Radiation Pattern 8
- Annex C Photographs 10
- Annex D General Information 13
- 1.1 Identification of the Responsible Testing Laboratory 13
- 1.2 Identification of the Responsible Testing Location 13
- 1.3 Test Equipments Utilized 13

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

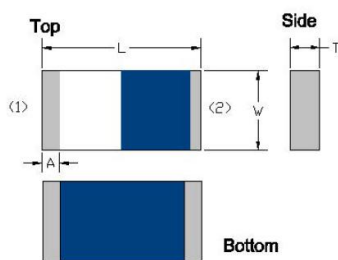
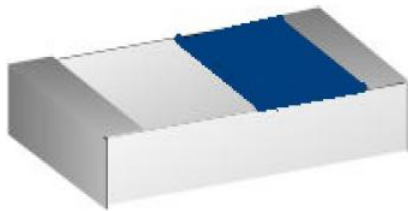
1. Technical Information

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 |

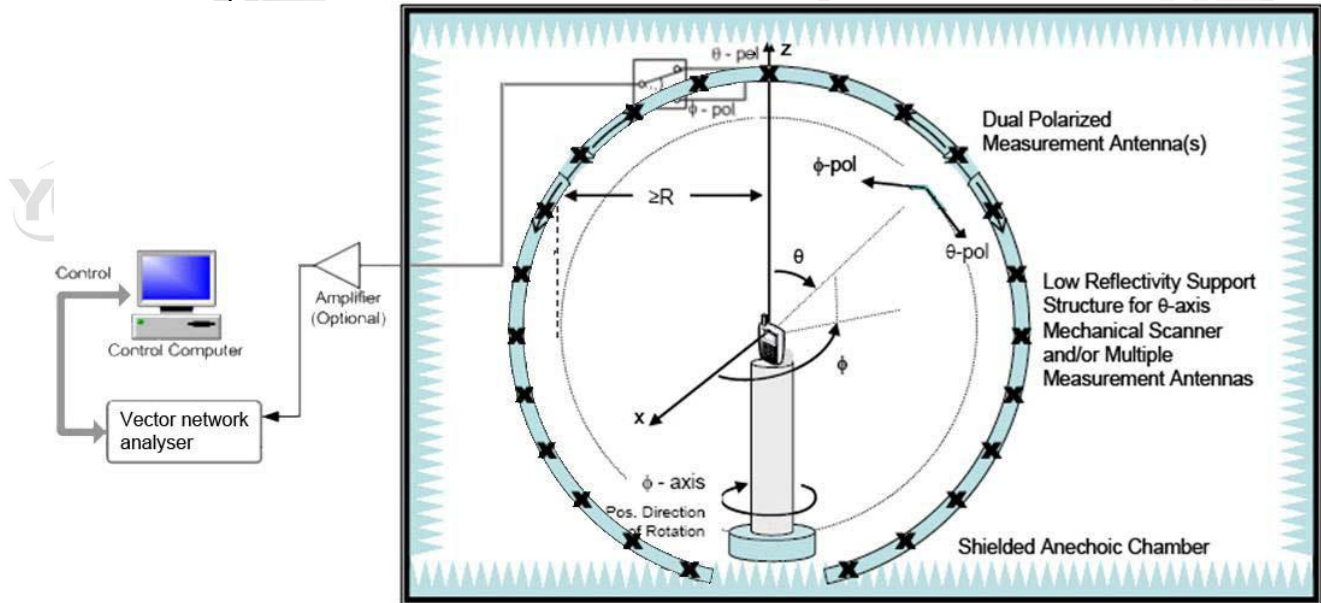
2.3. Test Results lists

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 |

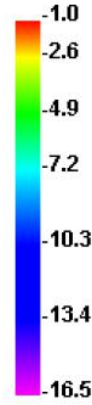
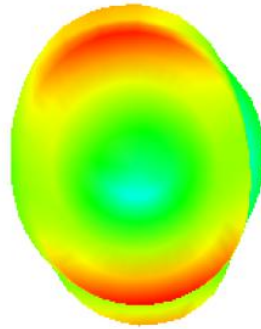
Annex A Photographs

1. Test Setup

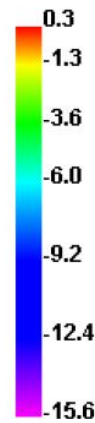
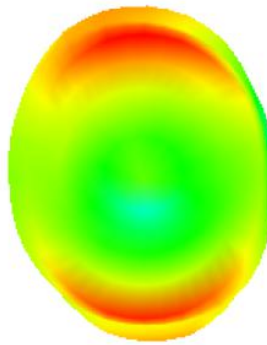


2. 3D Radiation Pattern

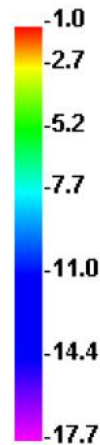
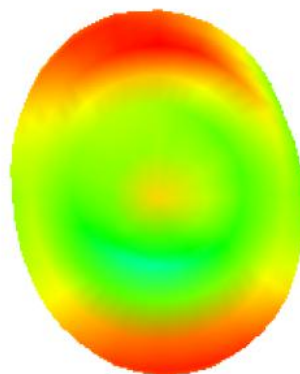
2400.000MHz



2450.000MHz



2500.000MHz



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