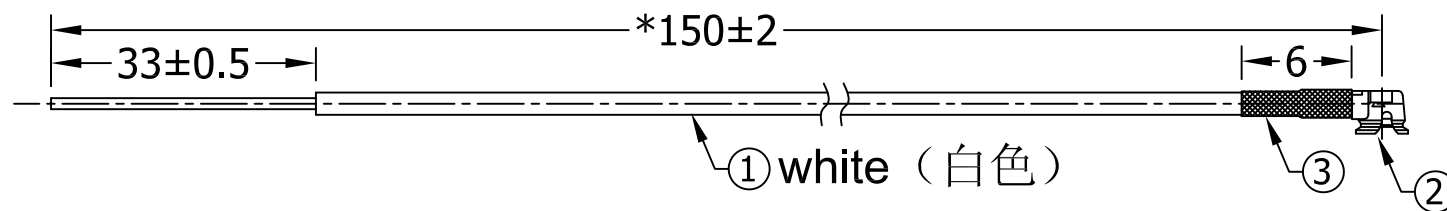


RoHS Compliant

| REV | DATE      | DESCRIPTION |
|-----|-----------|-------------|
| A   | 9/02-2022 |             |



Specification:  
Frequency Rang:2.4~2.5GHz  
Return Loss:-10dB or less  
VSWR:1.92 Max  
Gain:1.5 dBi

|     |             |          |                |      |
|-----|-------------|----------|----------------|------|
| 3   | HSTUBE      |          | ø 1.5*6mm      | 1    |
| 2   | Connector   | CONN     | U.FL Au Plated | 1    |
| 1   | Cable       | RG1.13   | white(白色)      | 1    |
| No. | Description | Material | Finished       | Q'ty |

|                                                       |            |             |                                                                                       |                                  |      |
|-------------------------------------------------------|------------|-------------|---------------------------------------------------------------------------------------|----------------------------------|------|
| 蓝一通讯科技有限公司<br>LANYI COMMUNICATION TECHNOLOGY CO., LTD |            |             |                                                                                       | Tel:0769-81239683<br>13538581887 |      |
| TITLE: 2.4GHz Antenna L=150mm                         |            |             |                                                                                       |                                  |      |
| PART NO.: LY-A108-150A                                |            |             | DWG NAME:LY-A108.dwg                                                                  |                                  |      |
| APPROVED BY                                           | CHECKED BY | DESIDNED BY |  | Tolerance                        |      |
|                                                       |            | 马 兰         | UNITS: mm                                                                             | X.                               | ±1.0 |
|                                                       |            |             | SCALE: 1/1                                                                            | X.X                              | ±0.5 |
|                                                       |            |             | REVISION: A                                                                           | X.XX                             | ±0.2 |

## **RF Antenna Cable Assembly**

### Specification

#### 1. Electrical Properties

1.1 Frequency Range.....2.4GHz-2.5GHz

1.2 Impedance.....50 $\Omega$  Nominal

1.3 VSWR.....1.92:1MAX

1.4 Return Loss.....-10dB Max

1.5 Gain(peak) .....1.5dBi Max

1.6 Cable loss.....0.3dBi Max

1.7 Polarization.....Linear

1.8 Admitted Power.....2W

1.9 Cable.....0.D 1.13

1.10 Conn.....IPEX

#### 2. Physical Properties:

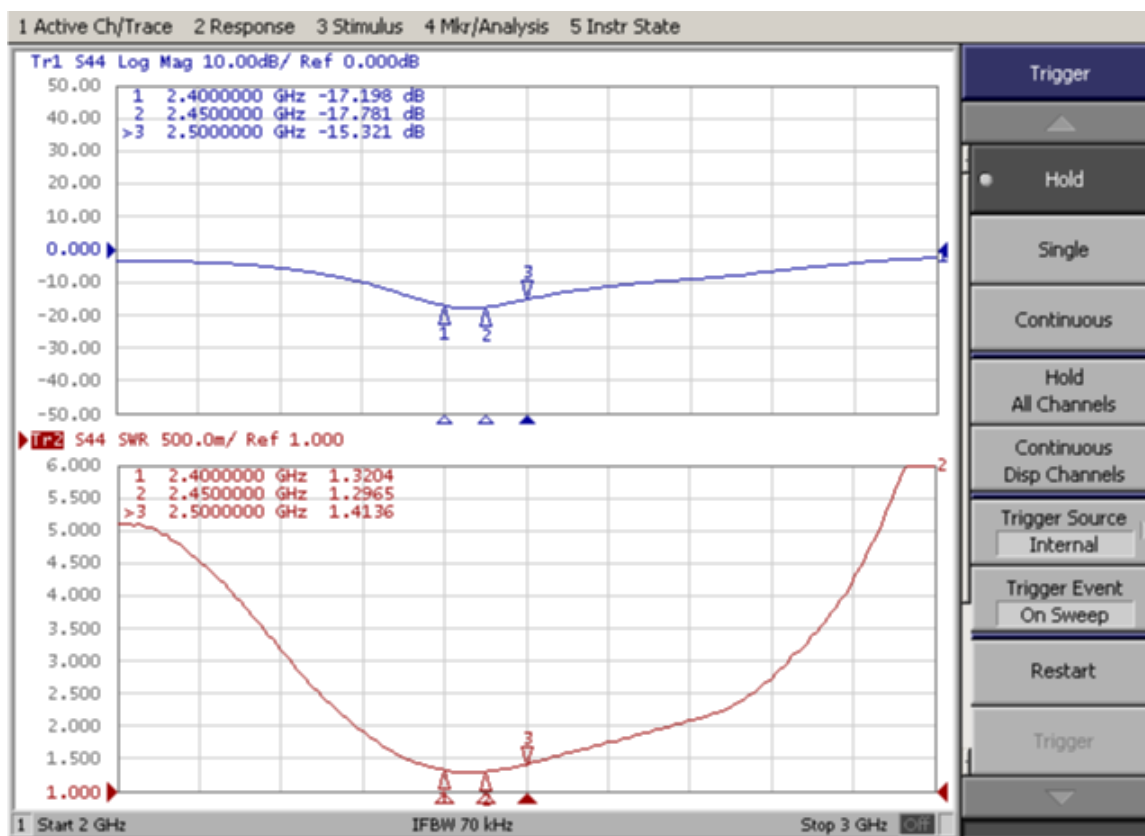
2.1 Antenna Material.....CU

2.4 Operating Temp.....-40 $^{\circ}$ C- +80 $^{\circ}$ C

## RF Antenna Assembly

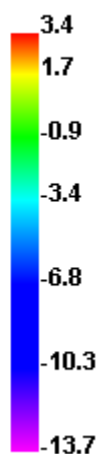
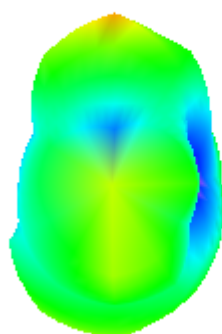
### VSWR

VSWR parameter in sample antenna tested in free space

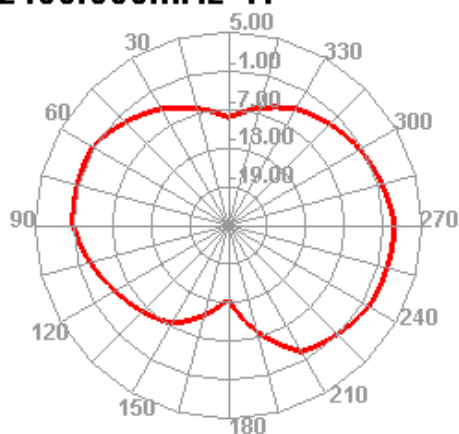


Efficiency

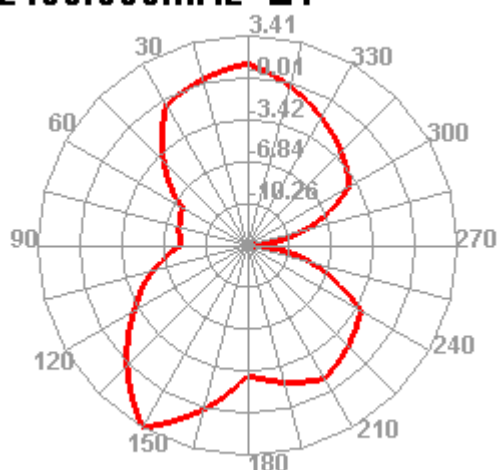
2400.000MHz



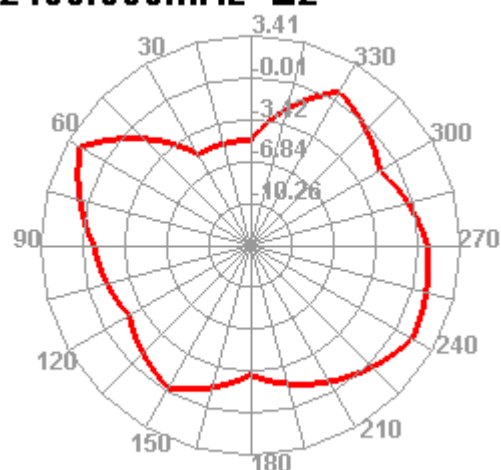
2400.000MHz H



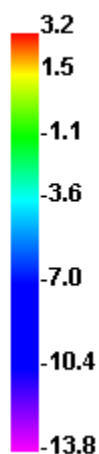
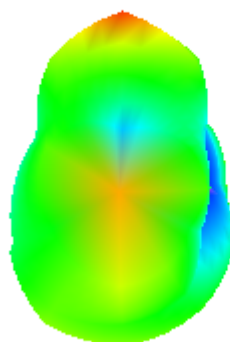
2400.000MHz E1



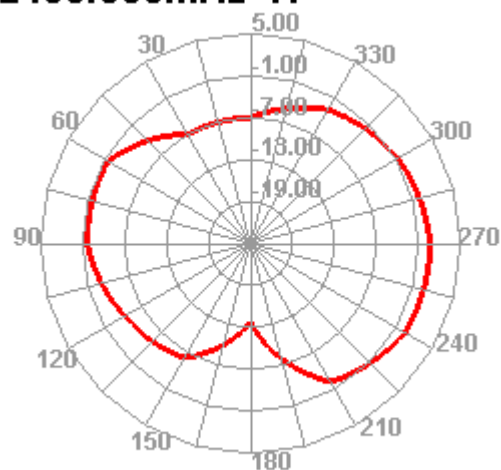
2400.000MHz E2



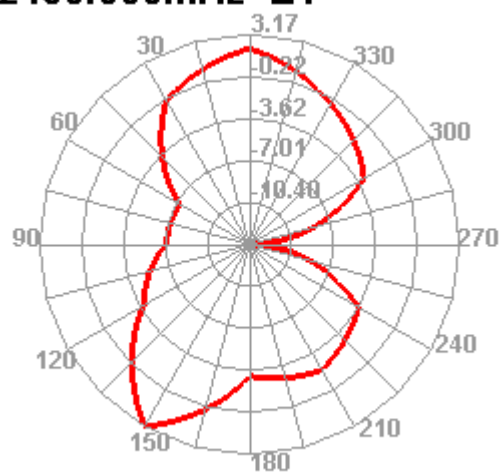
2450.000MHz



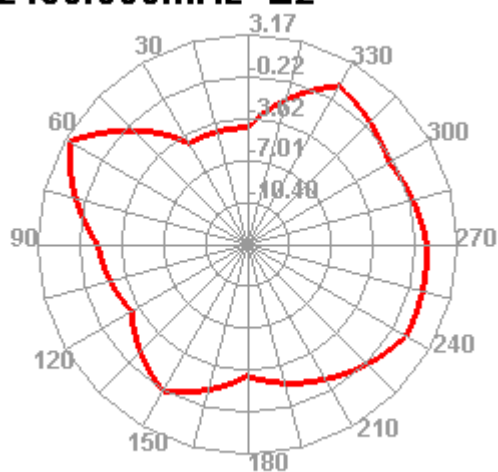
2450.000MHz H



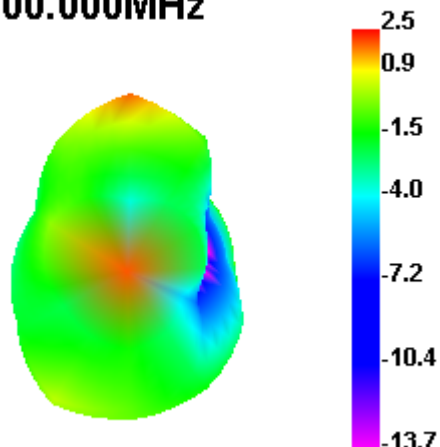
2450.000MHz E1



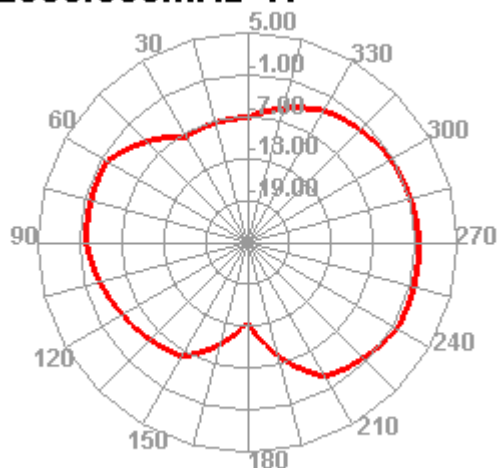
2450.000MHz E2



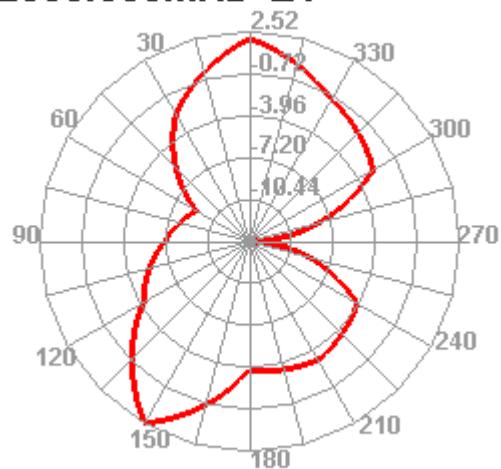
2500.000MHz



2500.000MHz H



2500.000MHz E1



2500.000MHz E2

