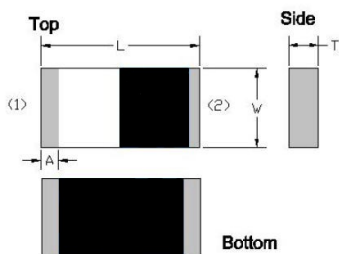
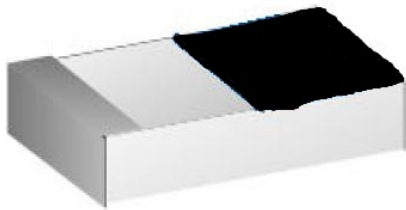


## Antenna Specification

### 1. Antenna describe:

|                       |                                                                                                                                   |
|-----------------------|-----------------------------------------------------------------------------------------------------------------------------------|
| Frequency Range(MHZ)  | 2400-2500                                                                                                                         |
| Impedance( $\Omega$ ) | 50 $\pm$ 10                                                                                                                       |
| Gain(dBi)             | <b>0.35</b>                                                                                                                       |
| ReTurnLoss(dB)        | $\leq$ -10                                                                                                                        |
| VSWR                  | $\leq$ 1.92                                                                                                                       |
| Polarization          | omni                                                                                                                              |
| Antenna type          | Ceramic Antenna                                                                                                                   |
| Size Code             | 3.2x1.6mm                                                                                                                         |
| Manufacture           | GUANGDONG TAKSTAR ELECTRONIC CO., LTD.<br>DINGGANG, NO.5 TEAM, XIALIAO VILLAGE, LONGXI TOWN,<br>BOLUO COUNTY, HUIZHOU CITY, China |

### 2. Antenna 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 |

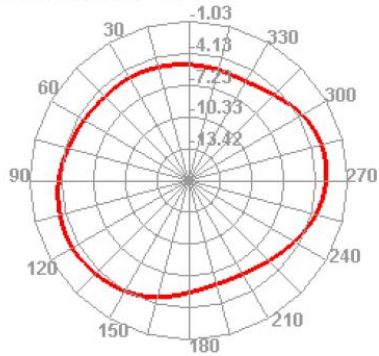
| No. | Terminal Name |
|-----|---------------|
| 1   | Feeding point |
| 2   | GND           |

3. Test Results lists

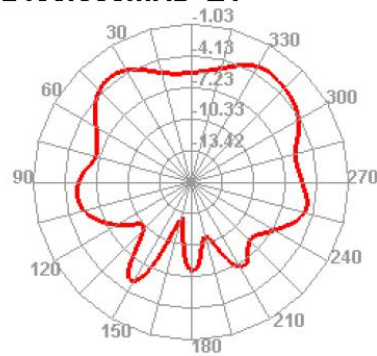
| Frequency<br>(MHz) | Efficiency (%) | Gain (dBi) |
|--------------------|----------------|------------|
| 2400               | 9.4125         | -1.14      |
| 2450               | 15.3369        | 0.35       |
| 2500               | 19.1582        | -1.02      |

### 3.1. 2D Radiation Pattern

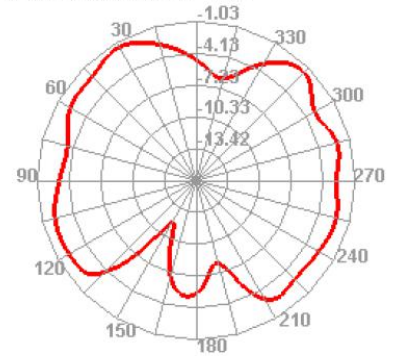
**2400.000MHz H**



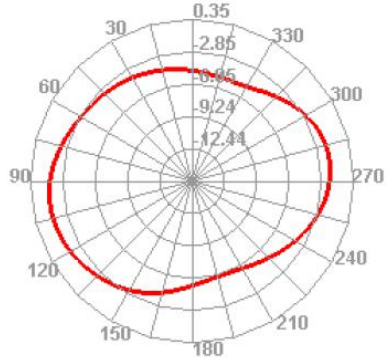
**2400.000MHz E1**



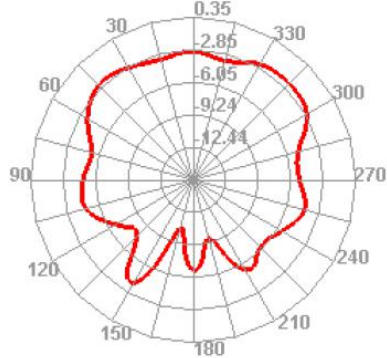
**2400.000MHz E2**



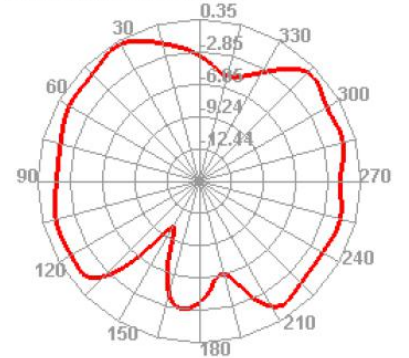
**2450.000MHz H**



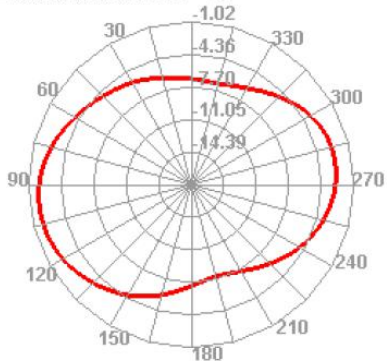
**2450.000MHz E1**



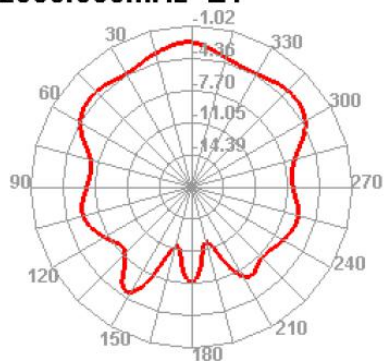
**2450.000MHz E2**



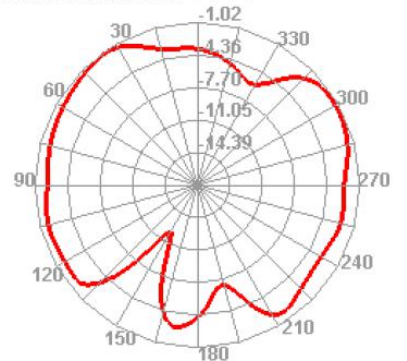
**2500.000MHz H**



**2500.000MHz E1**

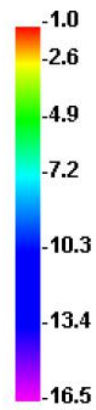
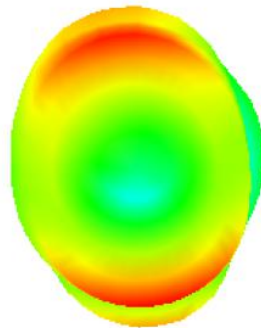


**2500.000MHz E2**

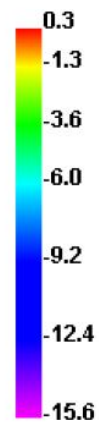
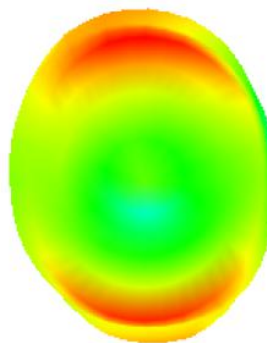


### 3.2 3D Radiation Pattern

**2400.000MHz**



**2450.000MHz**



**2500.000MHz**

