

# Antenna Specification

Manufacturer: Shantou Yida Electronics Co., Ltd

Address: First Floor, Overseas Chinese Primary School, Taijiao Village, Shanghua Town, Chenghai District, Shantou City.

Antenna photo and size:  $\phi 1.5 \times 36\text{MM}$  0.1\*19pin



## 1、Frequency Band

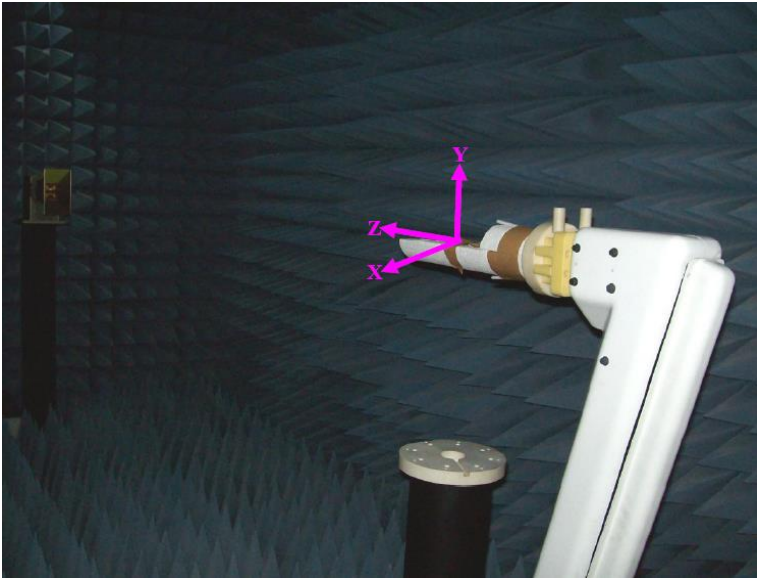
Tx:2400MHz~2480 MHz

Rx:2400 MHz ~2480 MHz

## 2、Antenna Parameters summary(2440MHz)

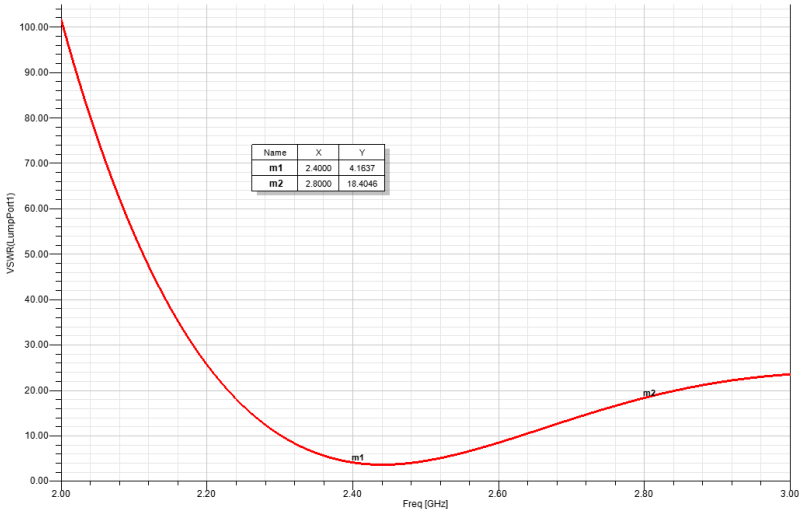
|  | Quantity             | Value    | Units |
|--|----------------------|----------|-------|
|  | Max U                | 0.011026 | W/sr  |
|  | Peak Directivity     | 1.3592   |       |
|  | Peak Gain            | 0.20632  |       |
|  | Peak Realized Gain   | 0.13856  |       |
|  | Radiated Power       | 0.10194  | W     |
|  | Accepted Power       | 0.67157  | W     |
|  | Incident Power       | 1        | W     |
|  | Radiation Efficiency | 0.1518   |       |
|  | Front to Back Ratio  | 1.2237   |       |
|  | Decay Factor         | 0        |       |

3、Plane definition



|                 |                  |
|-----------------|------------------|
| <b>XY-plane</b> | <b>Theta=90°</b> |
| <b>XZ-plane</b> | <b>Phi=0°</b>    |
| <b>YZ-plane</b> | <b>Phi=90°</b>   |

4、VSWR



5、Radiation Patterns(GAIN @ 2440MHz)

| Plane              | XY    |       |       | XZ    |       |       | YZ    |       |       |
|--------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Frequency(MHz<br>) | 2400  | 2440  | 2480  | 2400  | 2440  | 2480  | 2400  | 2440  | 2480  |
| Peak Gain (dBi)    | 0.202 | 0.204 | 0.206 | 0.203 | 0.201 | 0.205 | 0.189 | 0.193 | 0.197 |