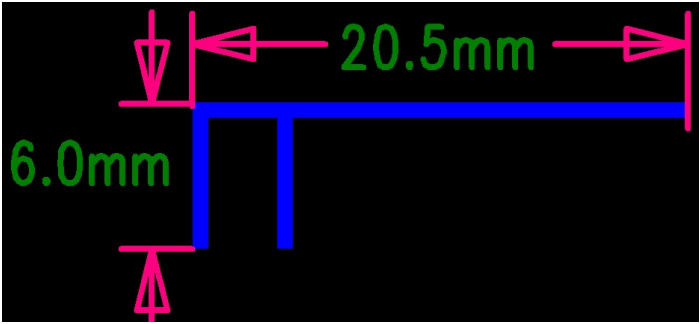
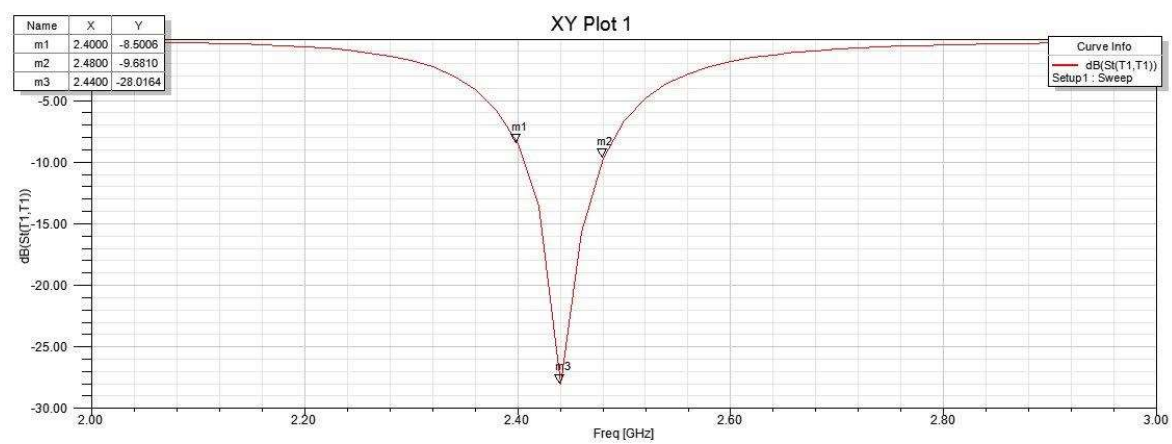


## 2.4 GHz PCB Antenna Specifications

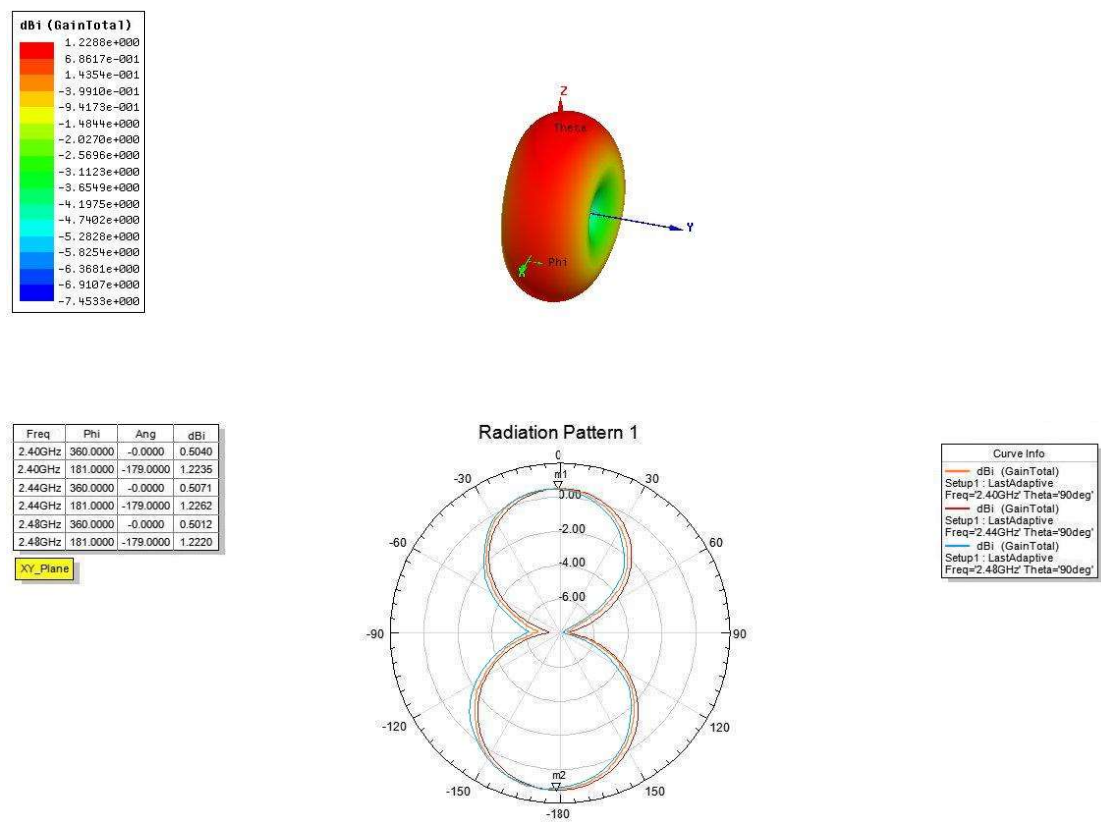
### 1. Summary

| Item            | Units | Value                                                                                                                                         |
|-----------------|-------|-----------------------------------------------------------------------------------------------------------------------------------------------|
| Outline         |       |                                                             |
| Dimension       | mm    | L=20.5, H=6.0                                                                                                                                 |
| Frequency Band  | MHz   | 2400~2480                                                                                                                                     |
| Antenna Type    |       | PCB                                                                                                                                           |
| Model           |       | F                                                                                                                                             |
| Max Gain        | dBi   | 1.2                                                                                                                                           |
| Input Impedance | Ohm   | 50                                                                                                                                            |
| Manufacture     |       | Xin Man Da Circuit<br>(Shenzhen)Co.Ltd.                                                                                                       |
| Trademark       |       |  鑫满达电路（深圳）有限公司<br>XMD XIN MAN DA CIRCUIT (SHENZHEN)CO.LTD. |

2. S11

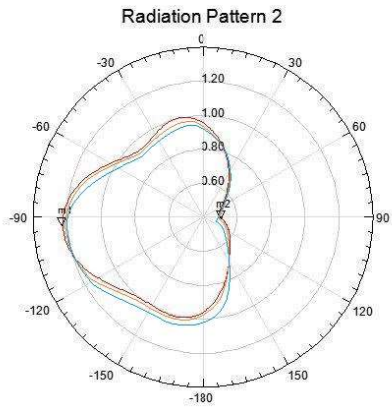


3. Radiation Pattern



| Freq    | Theta    | Ang      | dBi    |
|---------|----------|----------|--------|
| 2.40GHz | -93.0000 | -93.0000 | 1.2232 |
| 2.40GHz | 92.0000  | 92.0000  | 0.5092 |
| 2.44GHz | -93.0000 | -93.0000 | 1.2257 |
| 2.44GHz | 92.0000  | 92.0000  | 0.5101 |
| 2.48GHz | -93.0000 | -93.0000 | 1.2215 |
| 2.48GHz | 92.0000  | 92.0000  | 0.5075 |

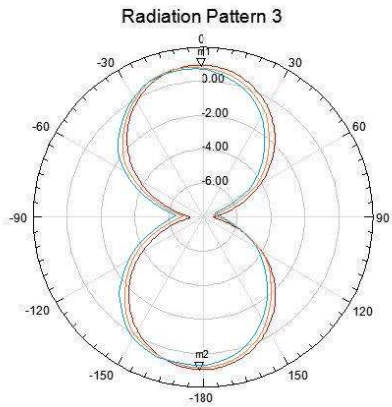
XZ\_Plane



| Curve Info            |
|-----------------------|
| dBi (GainTotal)       |
| Setup1: LastAdaptive  |
| Freq=2.40GHz Phi=0deg |
| dBi (GainTotal)       |
| Setup1: LastAdaptive  |
| Freq=2.44GHz Phi=0deg |
| dBi (GainTotal)       |
| Setup1: LastAdaptive  |
| Freq=2.48GHz Phi=0deg |

| Freq    | Theta     | Ang       | dBi    |
|---------|-----------|-----------|--------|
| 2.40GHz | 0.0000    | 0.0000    | 0.9522 |
| 2.40GHz | -179.0000 | -179.0000 | 0.9560 |
| 2.44GHz | 0.0000    | 0.0000    | 0.9557 |
| 2.44GHz | -179.0000 | -179.0000 | 0.9583 |
| 2.48GHz | 0.0000    | 0.0000    | 0.9513 |
| 2.48GHz | -179.0000 | -179.0000 | 0.9541 |

YZ\_Plane



| Curve Info             |
|------------------------|
| dBi (GainTotal)        |
| Setup1: LastAdaptive   |
| Freq=2.40GHz Phi=90deg |
| dBi (GainTotal)        |
| Setup1: LastAdaptive   |
| Freq=2.44GHz Phi=90deg |
| dBi (GainTotal)        |
| Setup1: LastAdaptive   |
| Freq=2.48GHz Phi=90deg |