

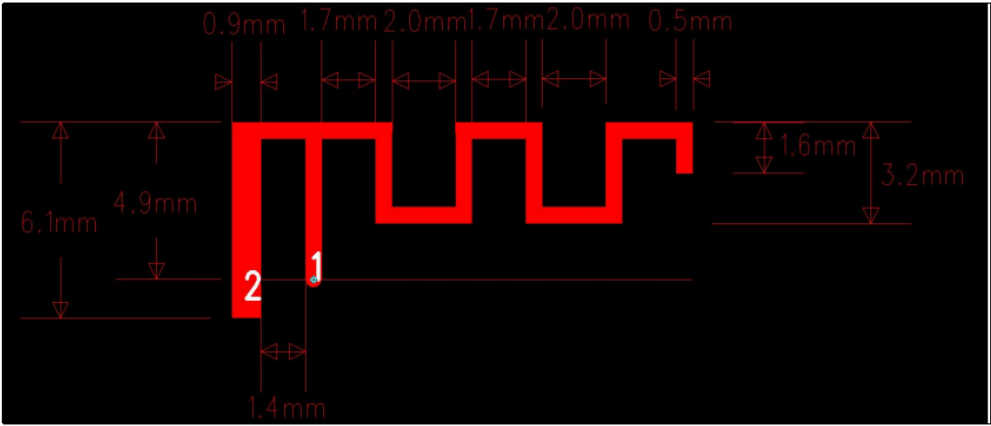
# Antenna Specification

## Summary

|                      |                                                       |         |         |          |         |         |
|----------------------|-------------------------------------------------------|---------|---------|----------|---------|---------|
| ITEM                 | ANT SPEC                                              |         |         |          |         |         |
| Model Name           | 2.4G ANT                                              |         |         |          |         |         |
| Center Frequency     | Horizontal                                            |         |         | Vertical |         |         |
|                      | 2402MHz                                               | 2450MHz | 2480MHz | 2402MHz  | 2450MHz | 2480MHz |
|                      | 2.18                                                  | 2.21    | 2.17    | 2.12     | 2.21    | 2.17    |
| MAX. Gain            | 2.21                                                  |         |         |          |         |         |
| Polarization         | Horizontal and Vertical                               |         |         |          |         |         |
| Azimuth Beam Pattern | Omni-directional                                      |         |         |          |         |         |
| Impedance            | 37.3-33.9                                             |         |         |          |         |         |
| Antenna Length       |                                                       |         |         |          |         |         |
| Manufacture          | SHEN ZHEN VMART ELECTRONICS SCIENCE AND TECHNOLOGYLTD |         |         |          |         |         |

Address: 6th Floor, Building 1, No. 438 Jihua Road, Bantian Street, Longgang District, Shenzhen

## Antenna Photo & Length (mm)

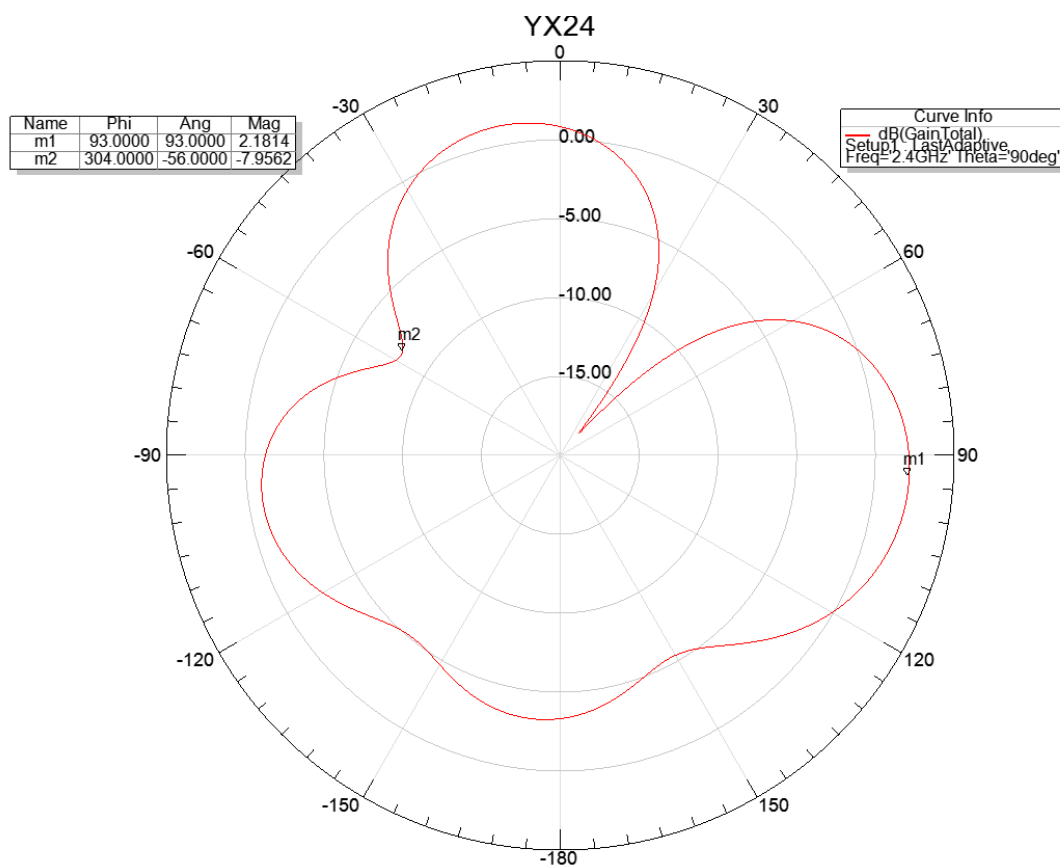


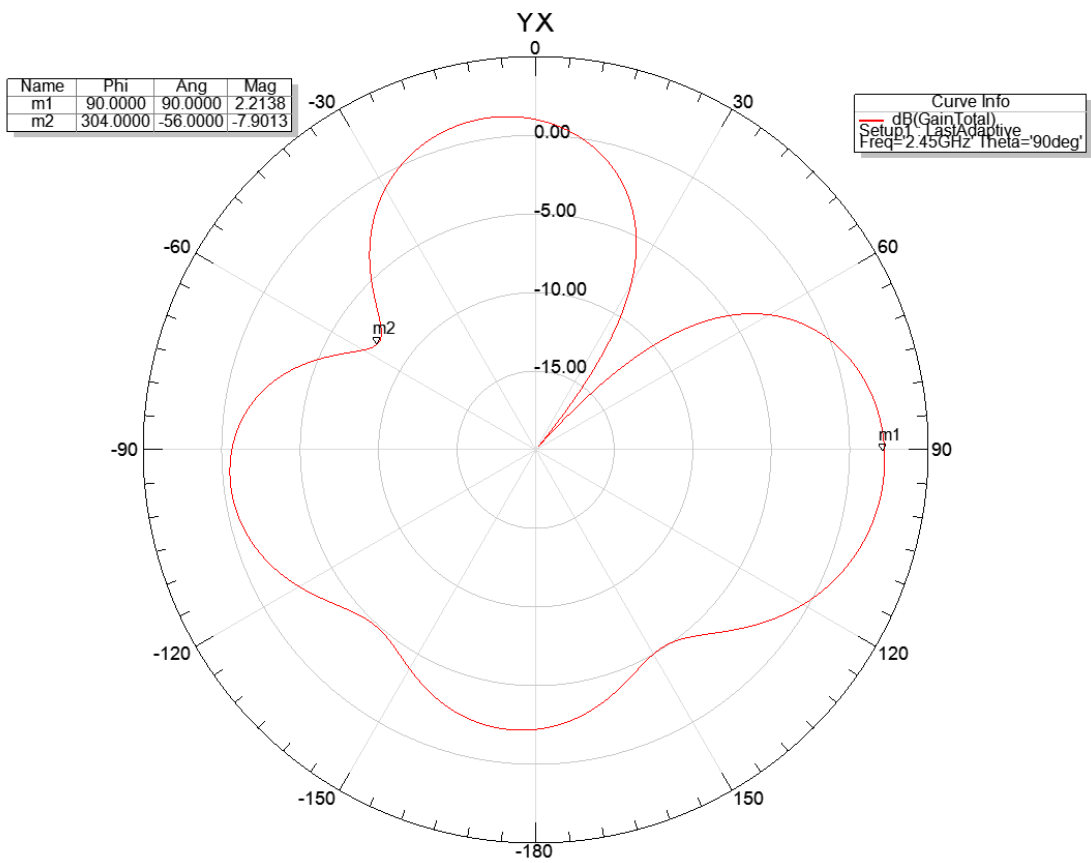
Horizontal: 2400 MHz 2450 MHz 2500 MHz

Power (dBm)

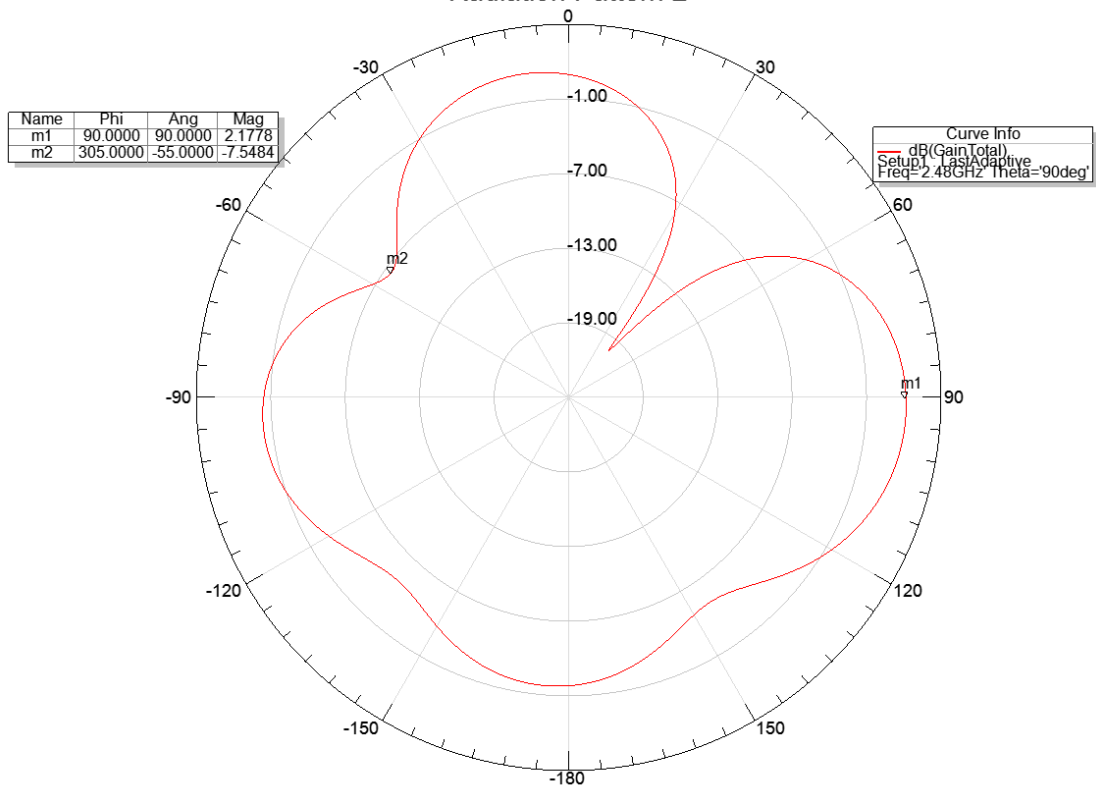
Max: 0 Min: -40 Scale: 5/div

| Frequency<br>(MHz) | Gain(dB) |      |     |
|--------------------|----------|------|-----|
|                    | Max      | Min  | Avg |
| 2402               | 2.18     | -7.9 |     |
| 2450               | 2.21     | -7.9 |     |
| 2480               | 2.17     | -7.5 |     |





Radiation Pattern 2

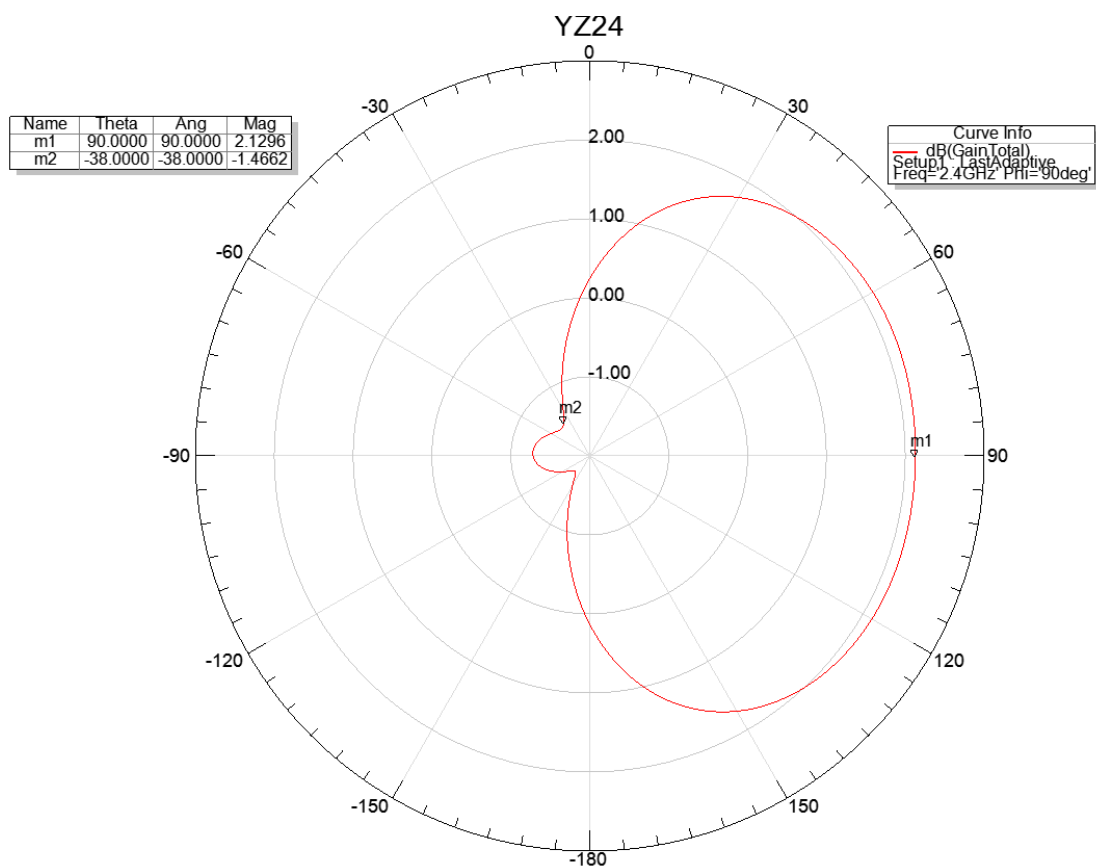


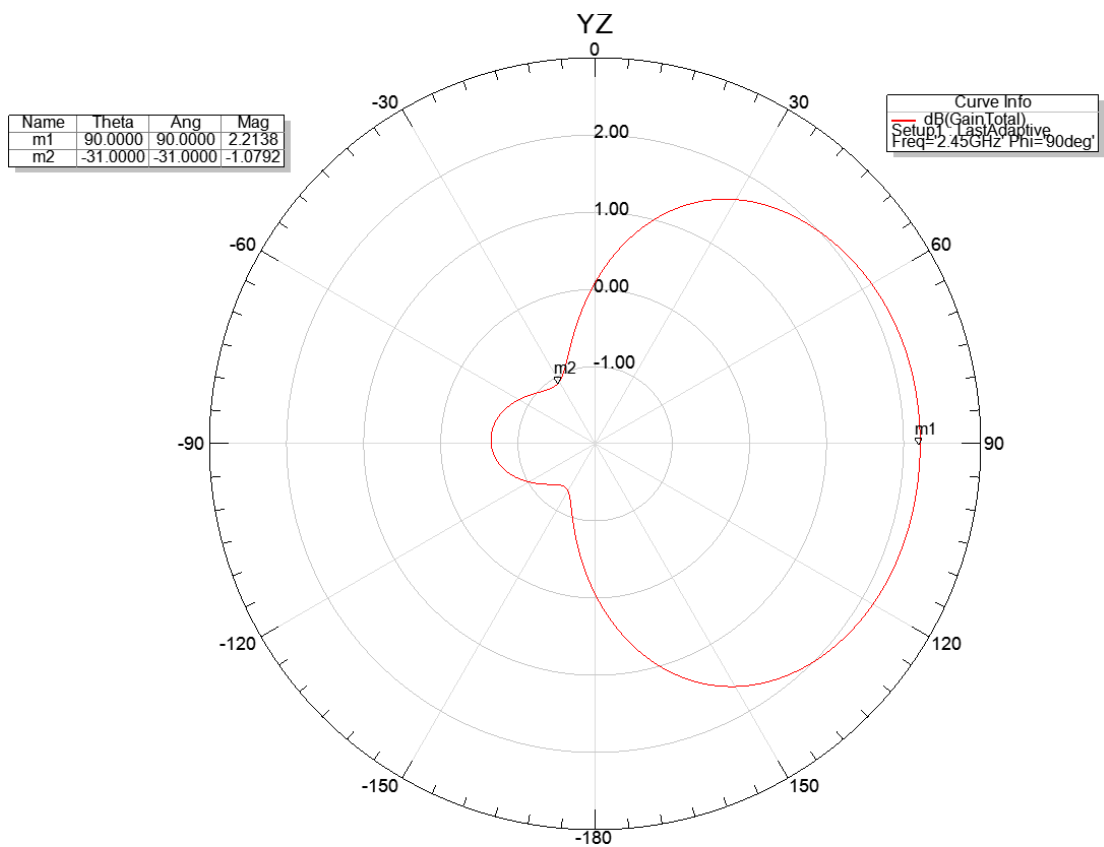
Vertical: 2400 MHz 2450 MHz 2500 MHz

Power (dBm)

Max: 0 Min: -30 Scale: 5/div

| Frequency<br>(MHz) | Gain(dB) |       |     |
|--------------------|----------|-------|-----|
|                    | Max      | Min   | Avg |
| 2402               | 2.12     | -1.46 |     |
| 2450               | 2.21     | -1.07 |     |
| 2480               | 2.17     | -1.32 |     |





Radiation Pattern 1

