

Antenna specifications

The antenna adopts a small onboard antenna, and due to the limited PCB area, the gain of the antenna will be smaller than other antennas. The communication distance can reach about 15-20 meters. The size of the mouse module PCB antenna is 13.54 * 2.86mm, and the thickness of the PCB is 1.6mm. The specific dimensions of the antenna are shown in Figure 1, and the physical object is shown in Figure 2.

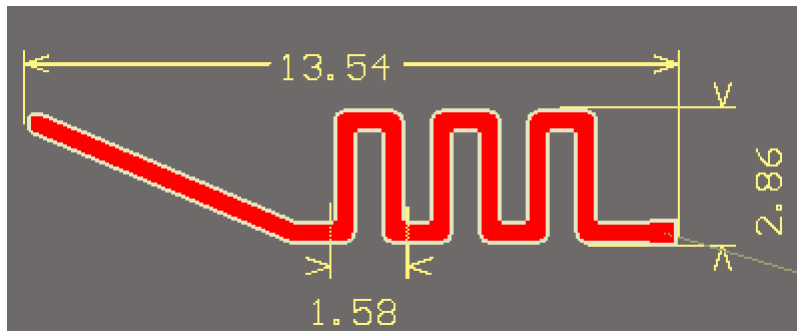


Figure1

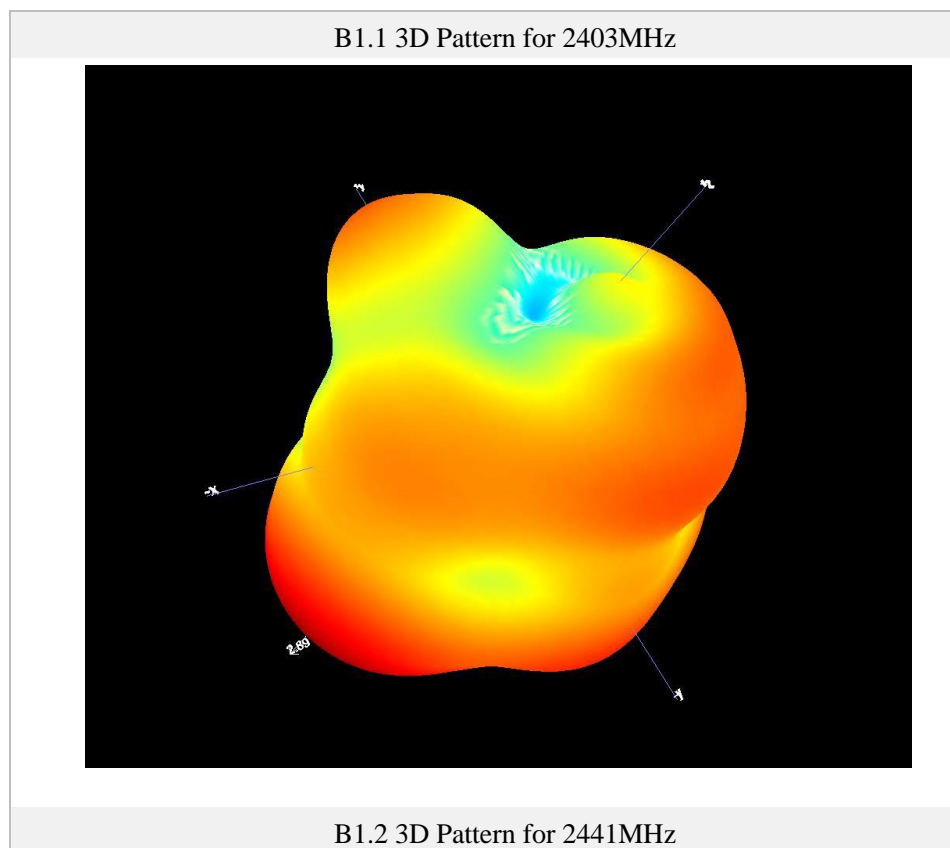


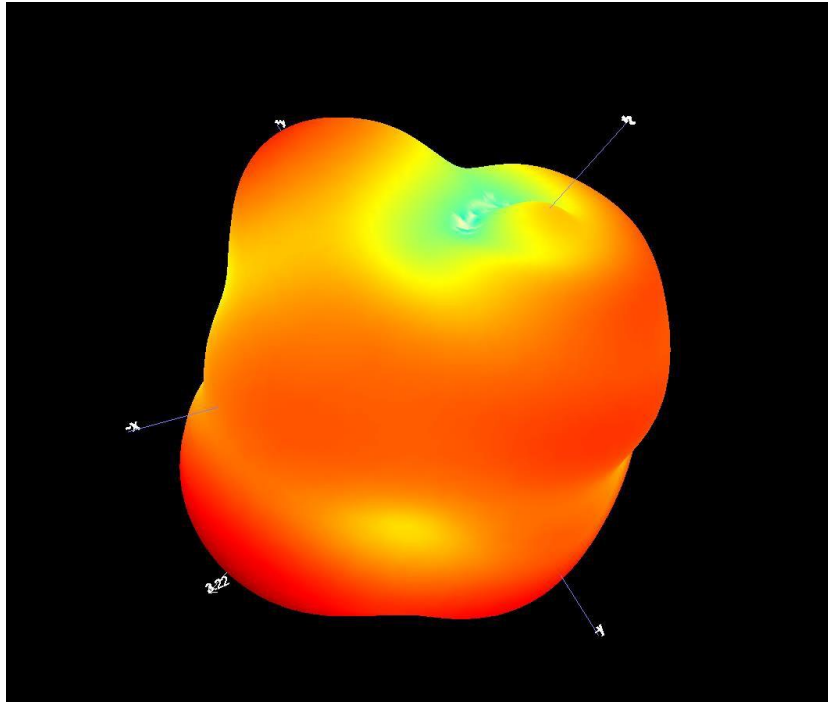
Figure2

Gain and Efficiency

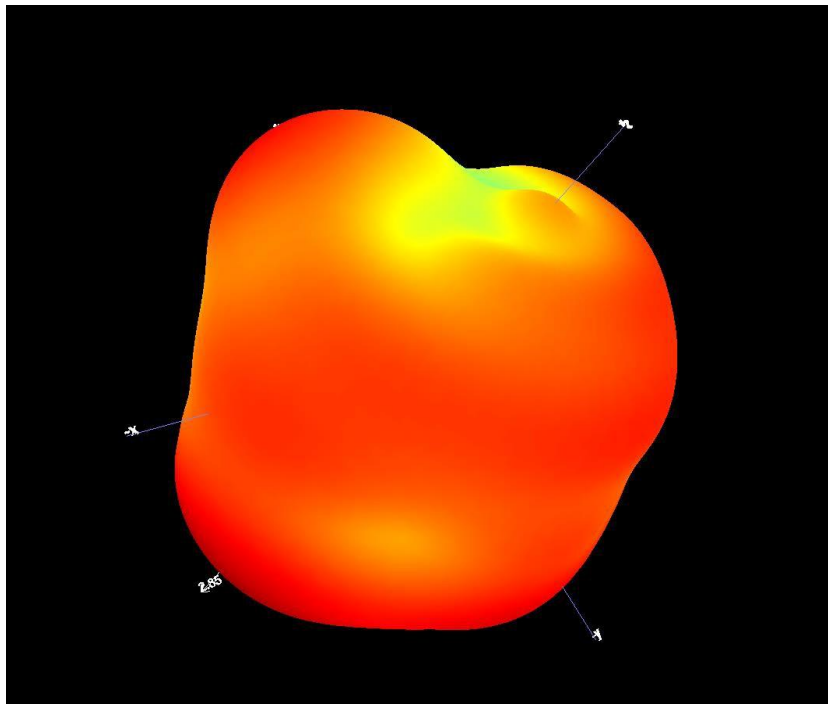
| Frequency | Gain (dBi) | Efficiency (%) |
|-----------|------------|----------------|
| 2403MHz | 2.23 | 42 |
| 2441MHz | 1.98 | 42 |
| 2480MHz | 1.77 | 42 |

3D Pattern



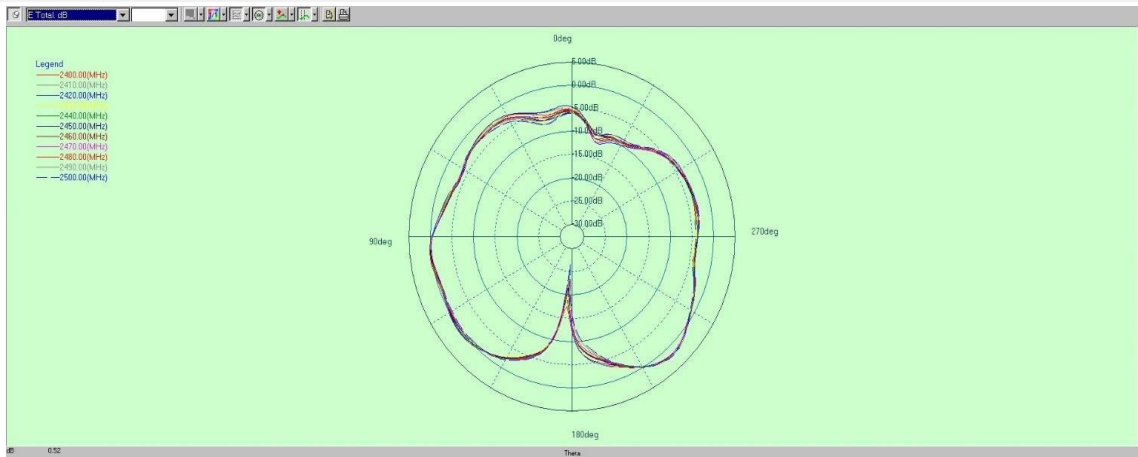


B1.3 3D Pattern for 2480MHz

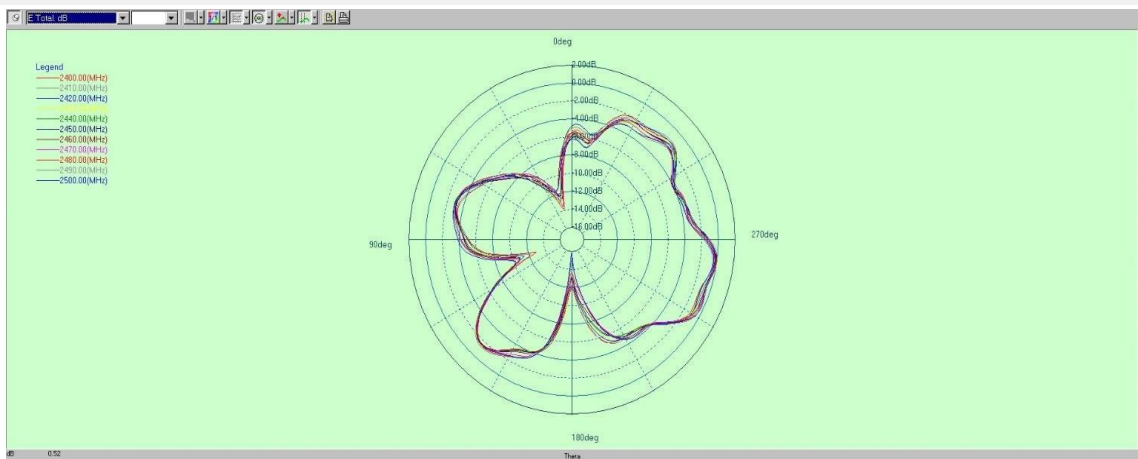


1D Radiation Pattern

PHI=0



PHI=90



THETA=90

