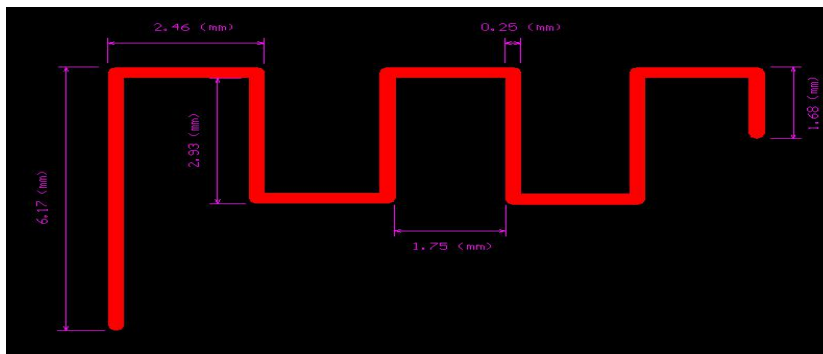


# Antenna Test Report

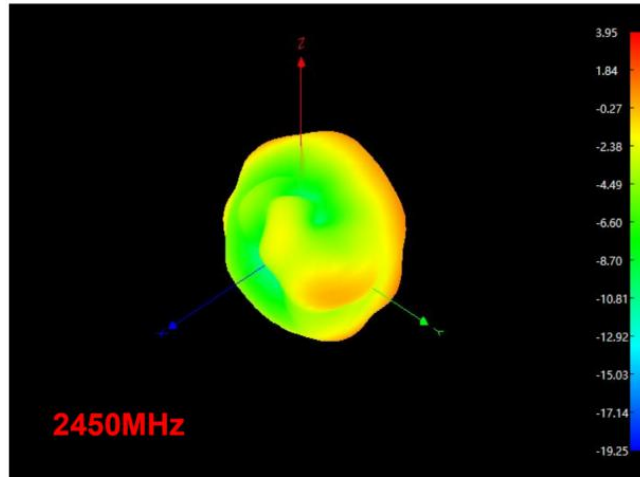
## 1. Antenna Layout&module on the system board:



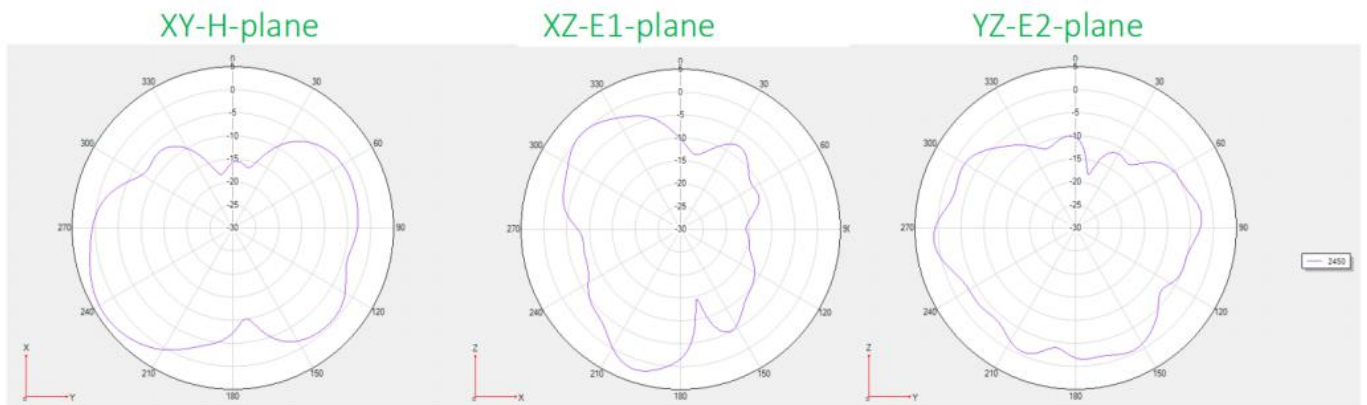
## 2. Efficiency&Gain&PatternRipple :

| Frequency (MHz) | Efficiency / dB | Efficiency / (%) | Peak Gain (dBi) | PatternRipple |
|-----------------|-----------------|------------------|-----------------|---------------|
| 2400            | -2.10           | 61.67            | 3.42            | 21.34         |
| 2410            | -1.98           | 63.39            | 3.57            | 20.54         |
| 2420            | -2.01           | 62.98            | 3.64            | 20.19         |
| 2430            | -2.04           | 62.57            | 3.96            | 20.33         |
| 2440            | -2.09           | 61.75            | 4.07            | 20.99         |
| 2450            | -2.11           | 61.49            | 3.95            | 21.82         |
| 2460            | -2.01           | 62.98            | 3.99            | 22.81         |
| 2470            | -2.15           | 60.94            | 4.08            | 24.14         |
| 2480            | -2.15           | 60.94            | 4.02            | 25.54         |
| 2490            | -2.19           | 60.43            | 3.99            | 25.73         |
| 2500            | -2.16           | 60.84            | 3.99            | 24.59         |

### 3. 3D Radiation Pattern



### 4. 2D Radiation Pattern



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