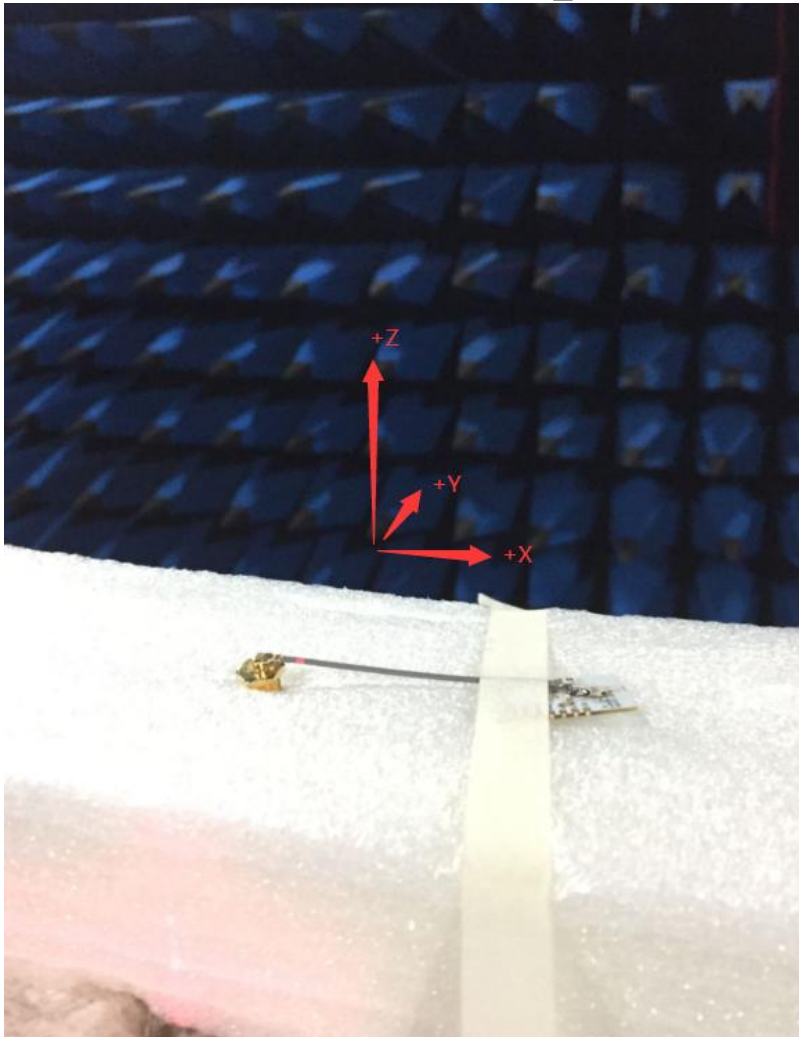


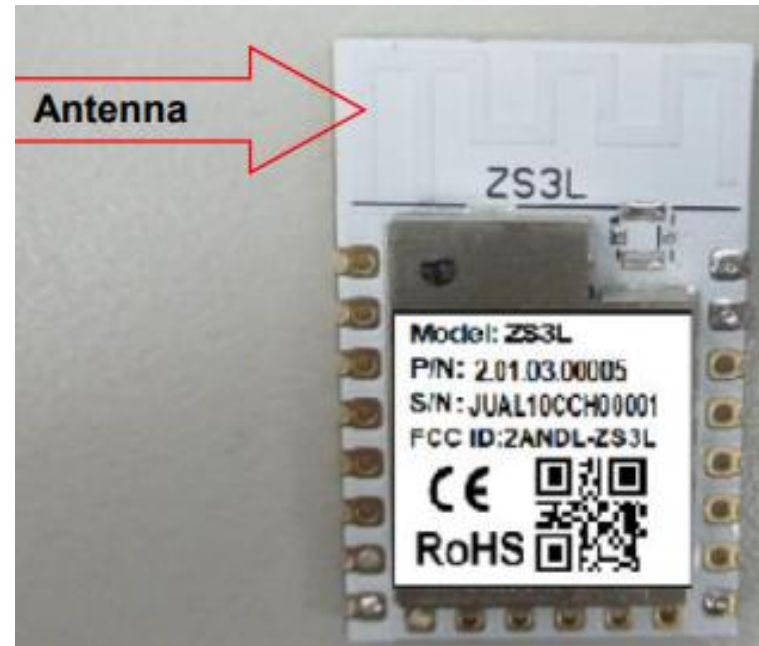
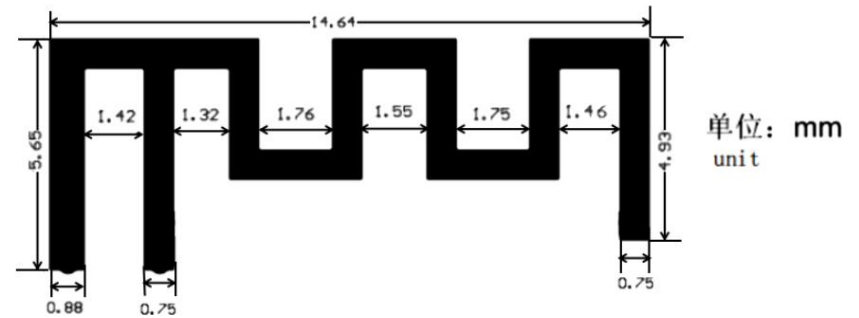
# Hangzhou Tuya Information Technology Co.,Ltd

|                           |   |
|---------------------------|---|
| Manufacturer:<br>Address: | Tuya<br>5/F, Manulife Plaza, 348 Kwun Tong Road, Kowloon, Hong Kong |
| Product Name:             | ZS3L Antenna  |
| Antenna Type:             | PCB   |
| Writed:                   | Long Wang   |
| Date:                     | 2020.10.11  |
| Versions:                 | A   |

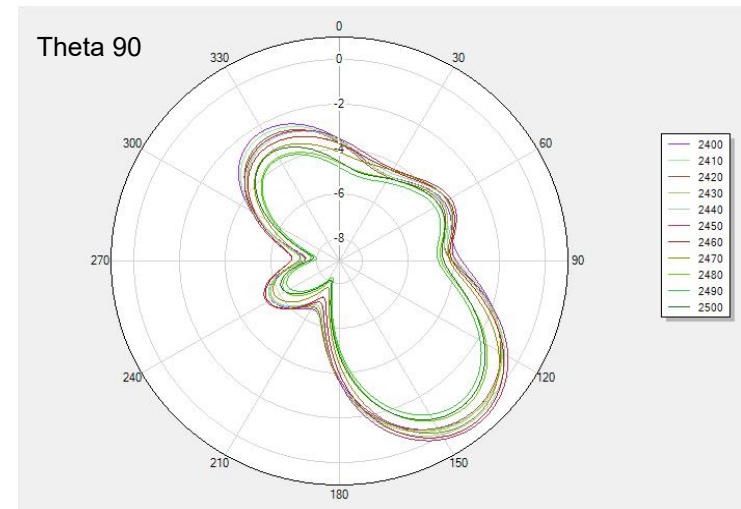
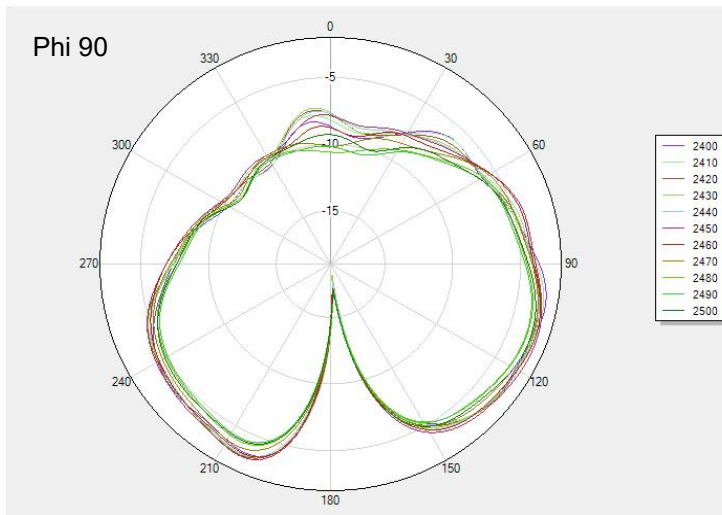
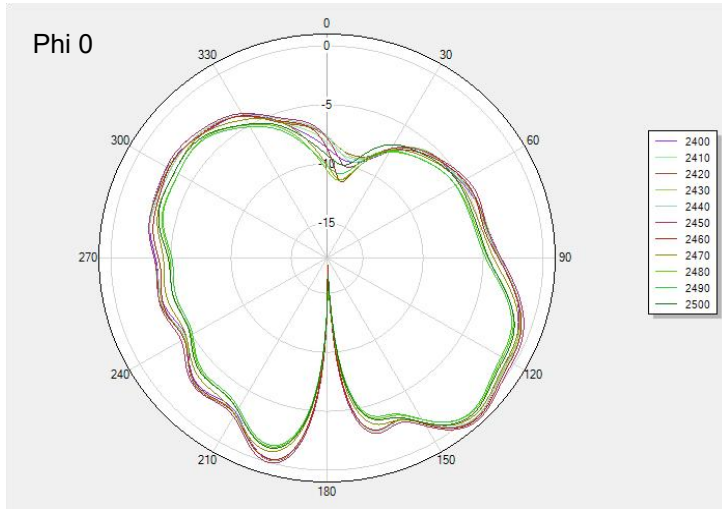
## Test Setup



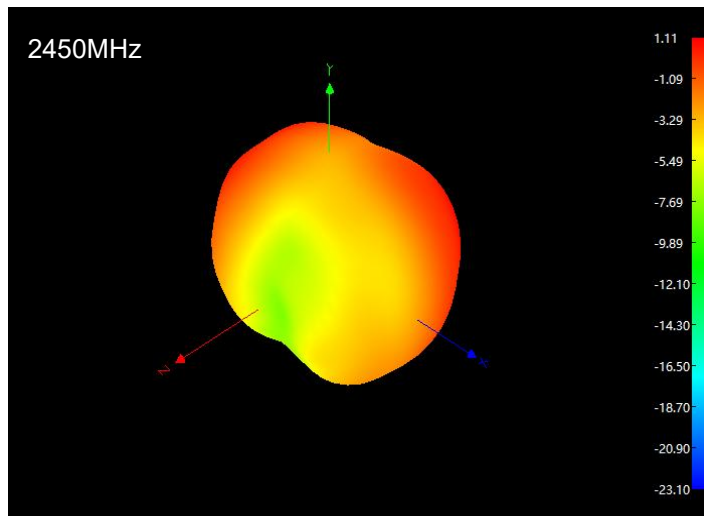
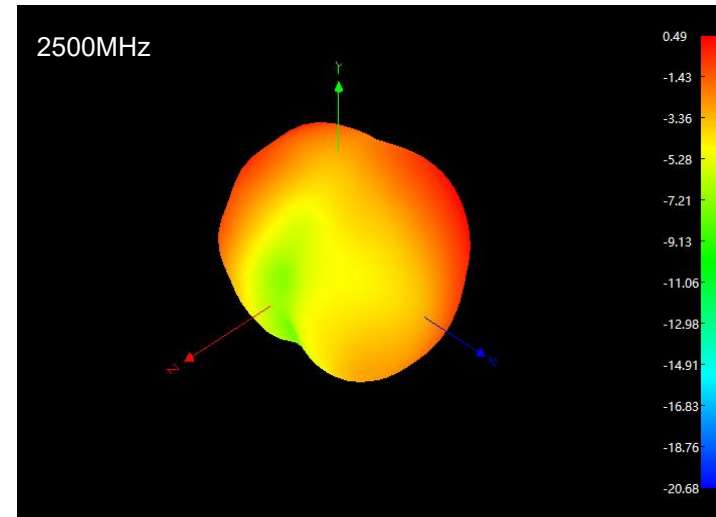
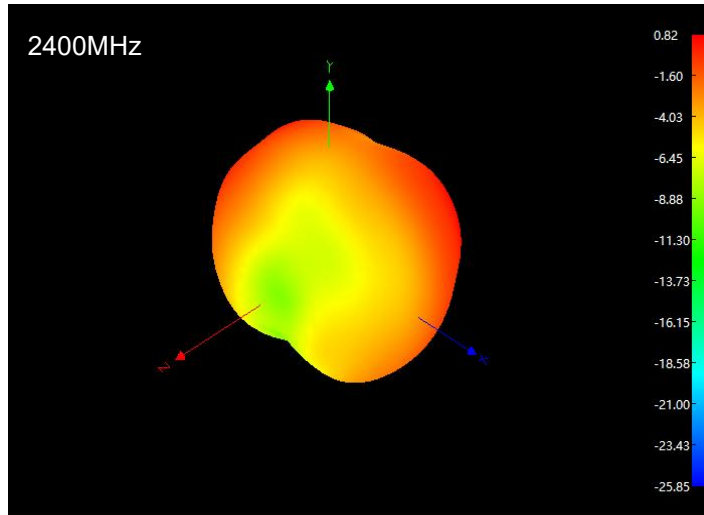
## Antenna Size



# 2D Pattern



# 3D Radiation Pattern



## Efficiency & Gain

| Frequency (MHz) | Efficiency (%) | Gain (dBi) |
|-----------------|----------------|------------|
| 2400            | 49.43          | 0.82       |
| 2410            | 49.43          | 0.78       |
| 2420            | 48.42          | 0.78       |
| 2430            | 48.19          | 0.67       |
| 2440            | 49.32          | 0.91       |
| 2450            | 52             | 1.00       |
| 2460            | 49.55          | 0.99       |
| 2470            | 45.19          | 0.66       |
| 2480            | 41.11          | 0.2        |
| 2490            | 38.99          | 0.2        |
| 2500            | 40.83          | 0.49       |