

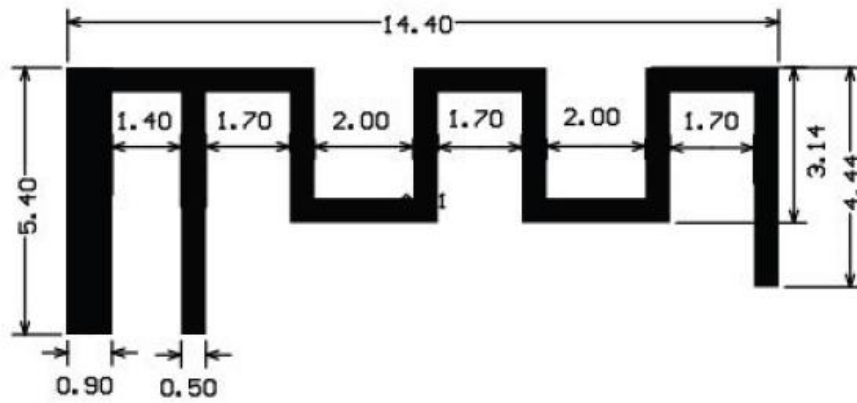
# Antenna spec

## 1.Antenna Description:

|                 |                                                                               |
|-----------------|-------------------------------------------------------------------------------|
| Antenna type    | PCB Antenna                                                                   |
| Model           | BT7L                                                                          |
| Frequency range | 2400MHz~2500MHz                                                               |
| Manufacturer    | Hangzhou Tuya Information Technology Co.,Ltd                                  |
| Address         | Room 701,Building 3,More Center,No.87 GuDun Road,<br>Hangzhou, Zhejiang,China |

## 2. Antenna Photo:

Unit:mm

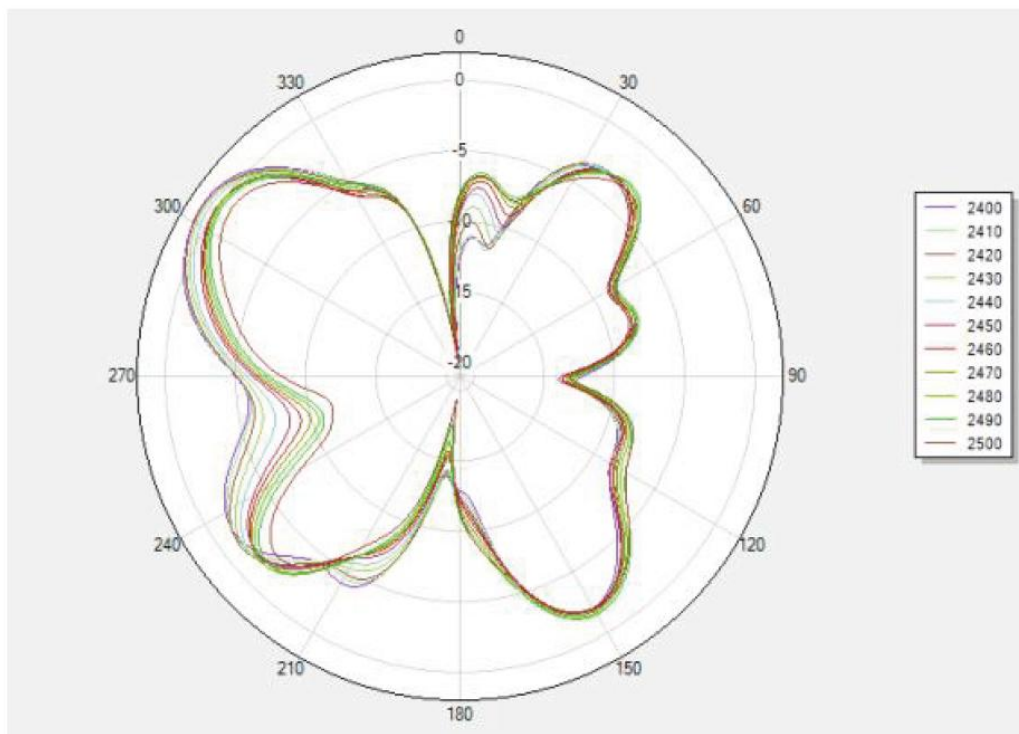


### 3. Antenna Efficiency and Gain:

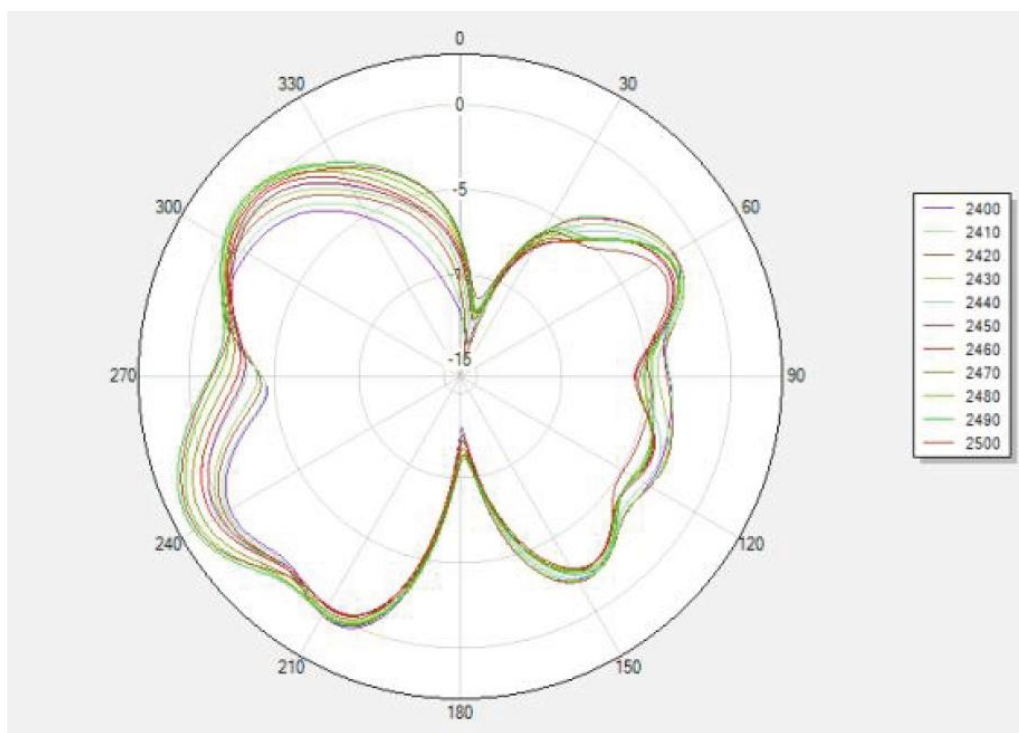
| Frequency (MHz) | Peak Gain (dBi) | Efficiency (%) |
|-----------------|-----------------|----------------|
| 2400            | 1.62            | 52.29          |
| 2410            | 1.71            | 52.17          |
| 2420            | 1.93            | 53.14          |
| 2430            | 1.98            | 54.16          |
| 2440            | 2.00            | 57.62          |
| 2450            | 2.17            | 59.64          |
| 2460            | 2.45            | 61.55          |
| 2470            | 2.38            | 60.64          |
| 2480            | 2.54            | 62.86          |
| 2490            | 2.30            | 59.85          |
| 2500            | 2.49            | 60.41          |

## Radiation Pattern

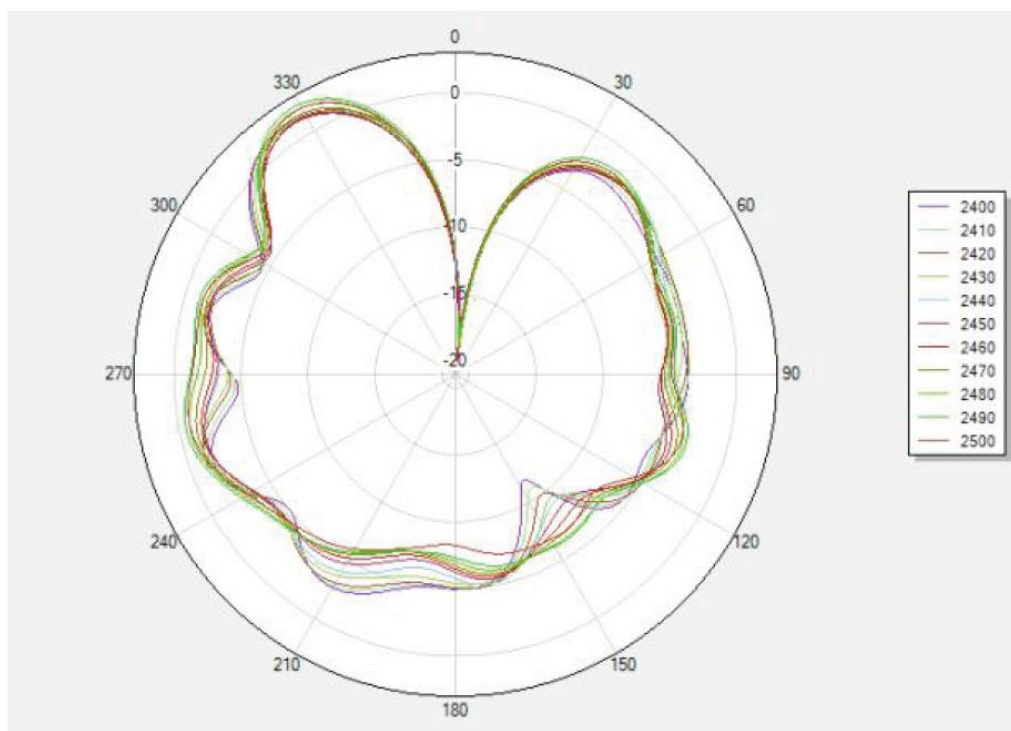
Phi 0 2D



Phi 90 2D



Theta 90 2D



2480MHz 3D

