

# SPECIFICATION FOR APPROVAL

## (产品承认书)

Product name: WIFI Antenna

Product model : UB01C60F3D1777A

Antenna gain (Max): 3.16dBi

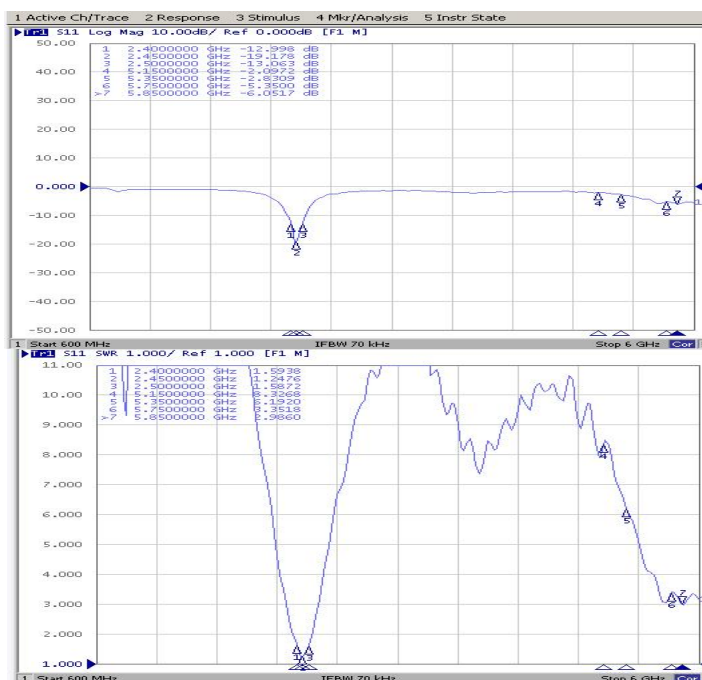
Frequency range: 2400-2500MHz



### 1. S Parameter

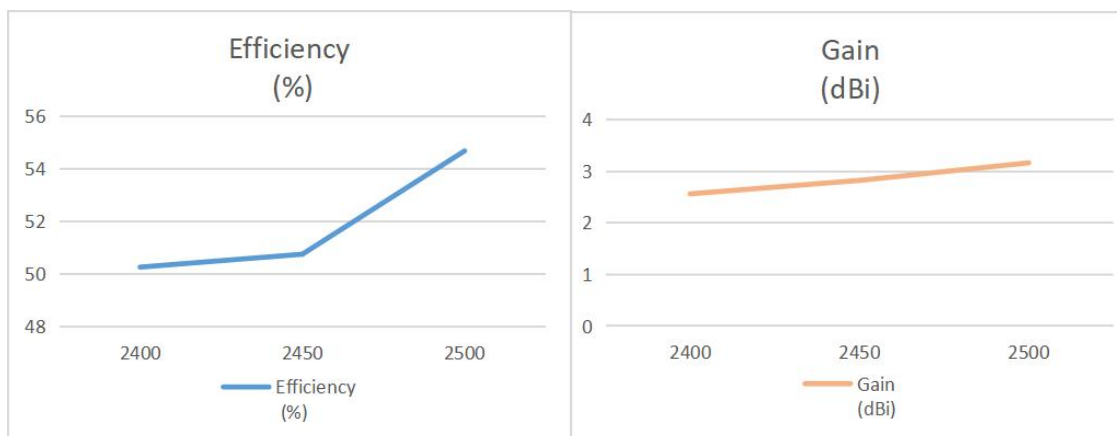
| Frequency (MHz) | Return Loss (dB) | VSWR |
|-----------------|------------------|------|
| 2400            | -12.99           | 1.59 |
| 2450            | -19.17           | 1.24 |
| 2500            | -13.06           | 1.58 |

\* Voltage Standing Wave Ratio(VSWR)  
Return Loss(RL)  
 $RL = 20 \cdot \log_{10}[(VSWR + 1)/(VSWR - 1)]$



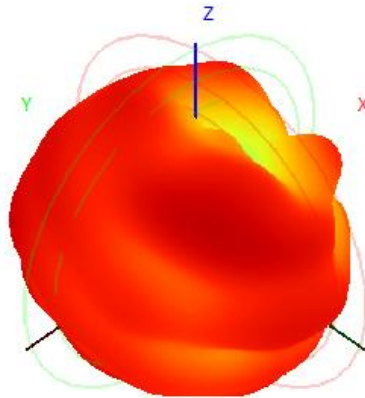
### 2. Efficiency and Gain

| Frequency (MHz) | 2400  | 2450  | 2500  |
|-----------------|-------|-------|-------|
| Efficiency (%)  | 50.26 | 50.75 | 54.67 |
| Gain (dBi)      | 2.56  | 2.82  | 3.16  |

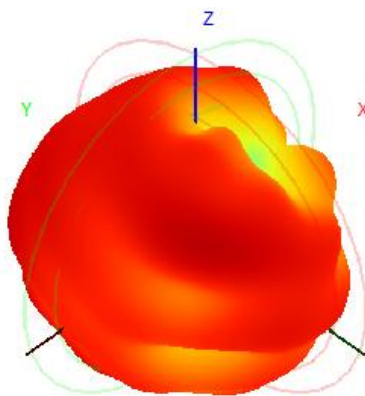


### 3. Radiation Pattern

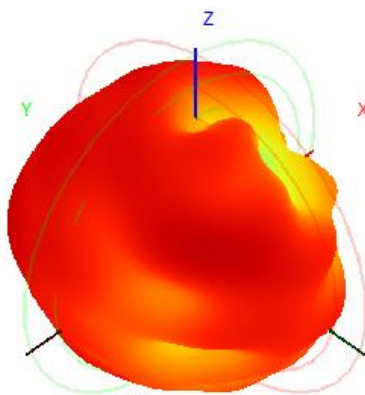
3-1 Antenna 3D Radiation Pattern



2400MHz

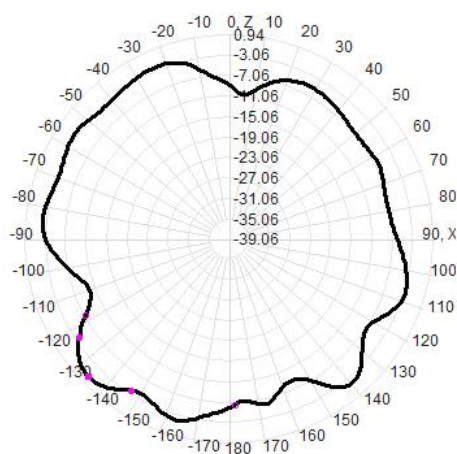


2450MHZ

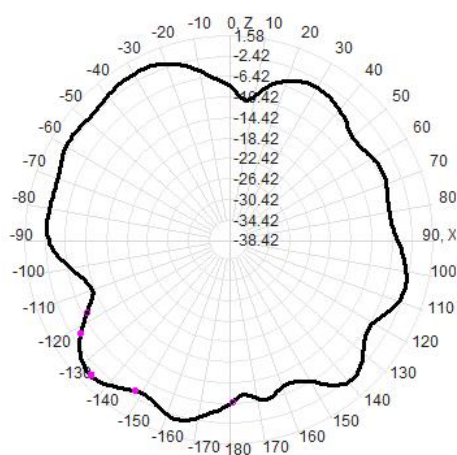


2500MHZ

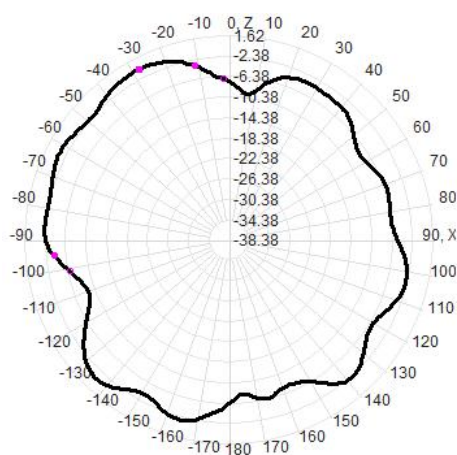
3-2 Antenna 2D Radiation Pattern



2400MHz



2450MHz



2500MHz