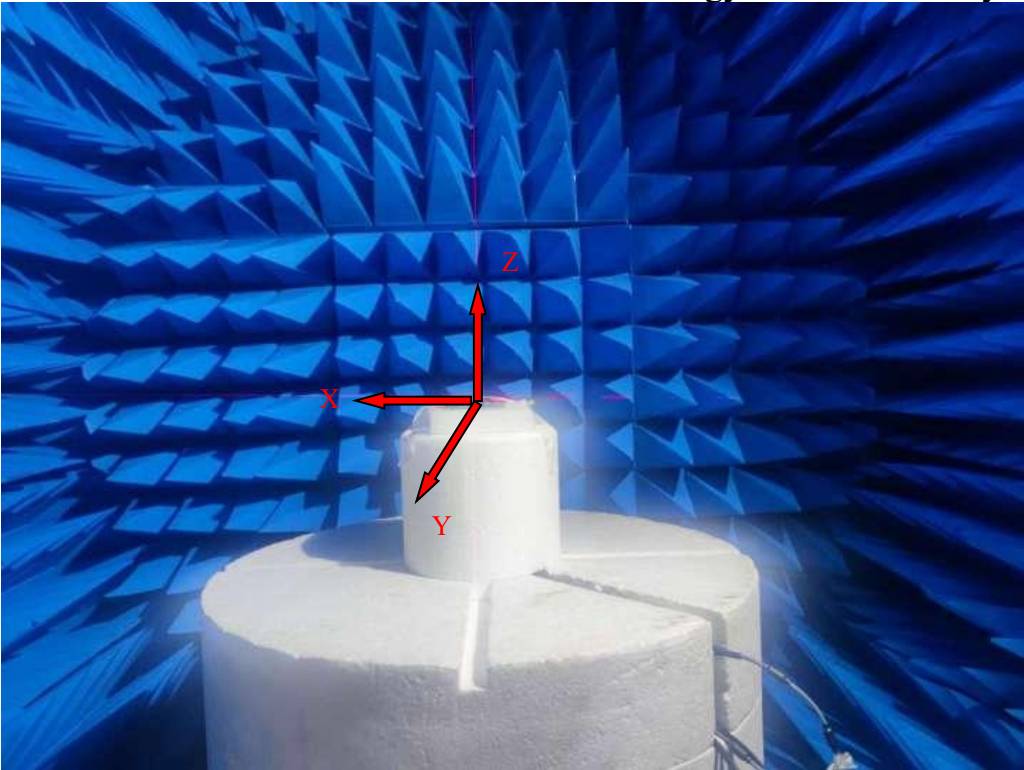


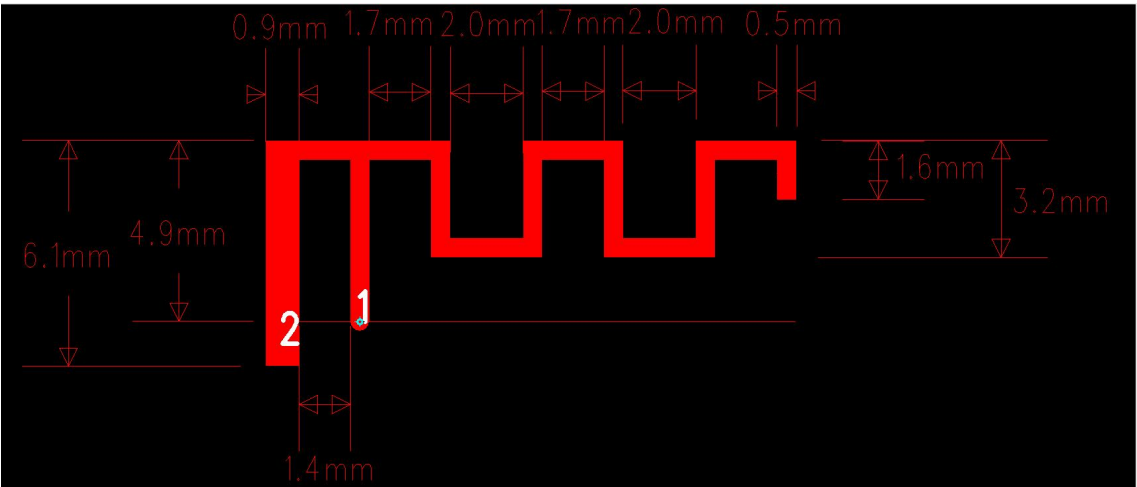
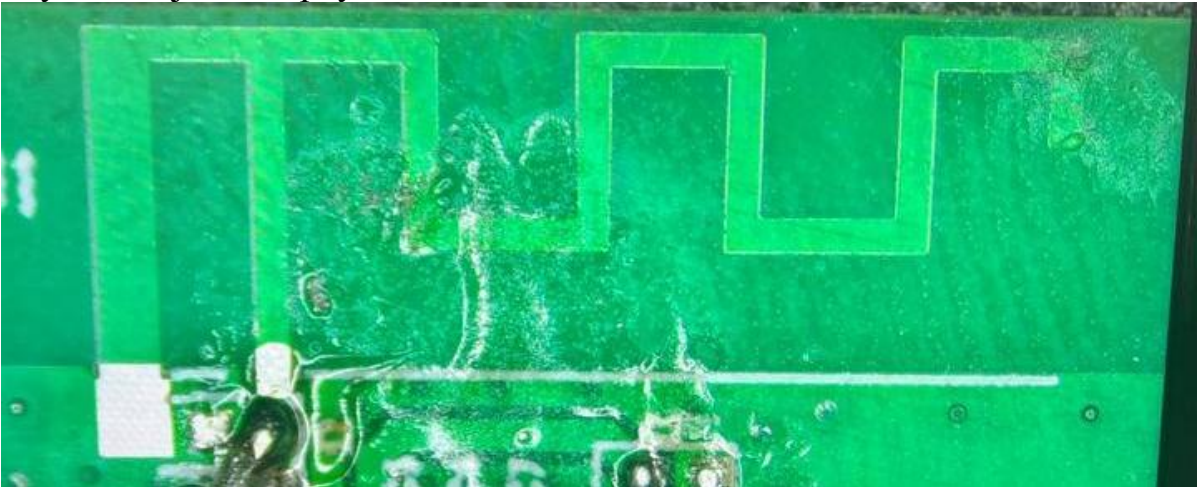
SPECIFICATIONS

|                    |                                                                                                                                                     |
|--------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|
| Manufacturer:      | Shenzhen Bolong Technology Co., Ltd.                                                                                                                |
| Address:           | Room 415, 4th Floor, Building A, Youth Pioneer Park , Jianshe East Road, Tsinghua Community, Longhua Street, Longhua District, Shenzhen City, China |
| Model No.          | BL-YD01                                                                                                                                             |
| Frequency (MHz)    | 2400-2480                                                                                                                                           |
| Peak Gain (dBi)    | 2.499                                                                                                                                               |
| Average Gain (dBi) | >-4                                                                                                                                                 |
| VSWR               | <3.2                                                                                                                                                |
| Impedance (Ω)      | 50Ω                                                                                                                                                 |
| Antenna Type       | PCB                                                                                                                                                 |
| Polarization       | Linear                                                                                                                                              |

Test environment: China Science and Technology darkroom test system



Physical object and physical size of the antenna



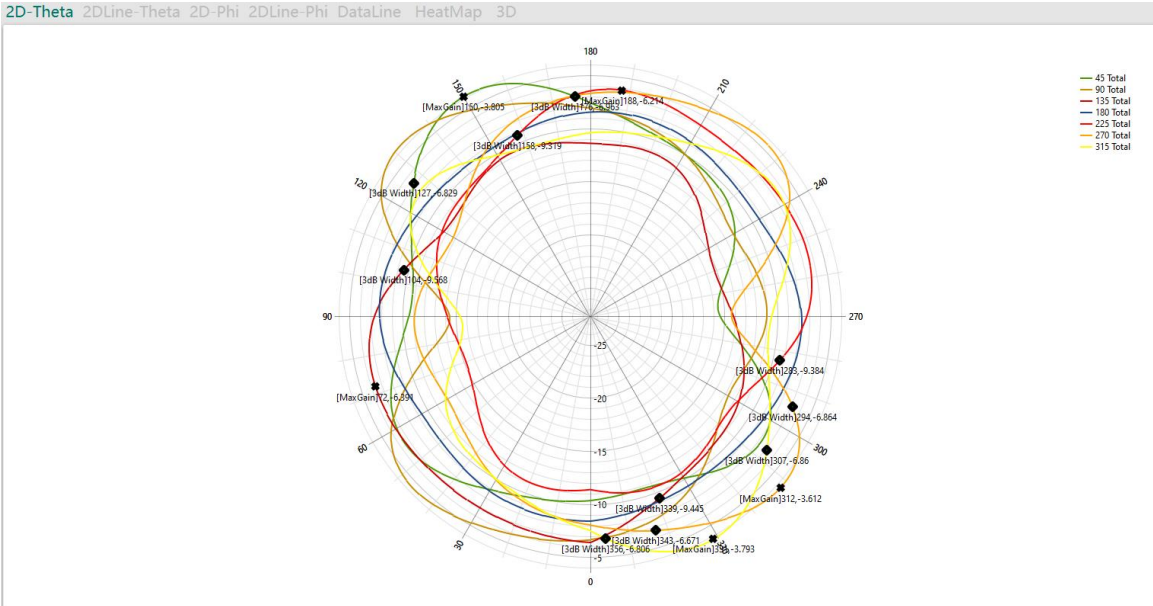
## Antenna passive S parameter: (VSWR)、(Return Loss) And the Smith circle chart



## Antenna efficiency and gain

| Frequency (MHz) | Gain (dBi) | Efficiency (%) | AverageGain (dBi) | Efficiency (dB) |
|-----------------|------------|----------------|-------------------|-----------------|
| 2400            | 1.433      | 59.329%        | -2.717            | -2.267          |
| 2410            | 0.927      | 51.861%        | -3.416            | -2.852          |
| 2420            | 0.829      | 52.112%        | -3.166            | -2.831          |
| 2430            | 0.881      | 49.299%        | -3.258            | -3.072          |
| 2440            | 1.192      | 50.672%        | -3.612            | -2.952          |
| 2450            | 1.688      | 53.067%        | -2.735            | -2.752          |
| 2460            | 2.194      | 59.423%        | -2.276            | -2.260          |
| 2470            | 2.118      | 56.680%        | -2.438            | -2.466          |
| 2480            | 2.499      | 61.727%        | -2.112            | -2.095          |
| Average         | 1.529      | 54.908%        | -2.858            | -2.616          |
| Peak            | 2.499      | 61.727%        | -2.112            | -2.095          |

# 2440MHz 2D-Theta Pattern



# 2440MHz 2D-Phi Pattern

