

# **SPECIFICATION FOR APPROVAL**

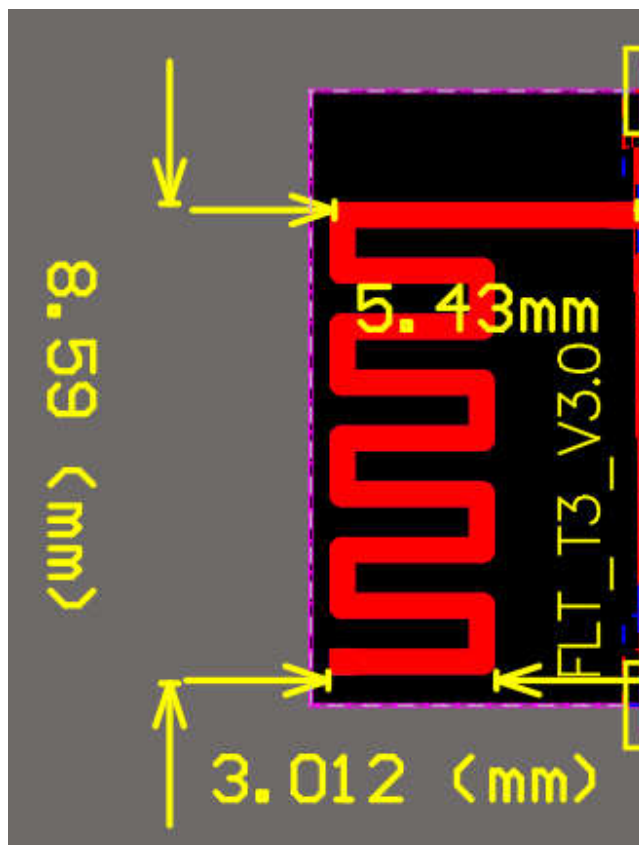
**CUS PART NO:** PCB Antenna

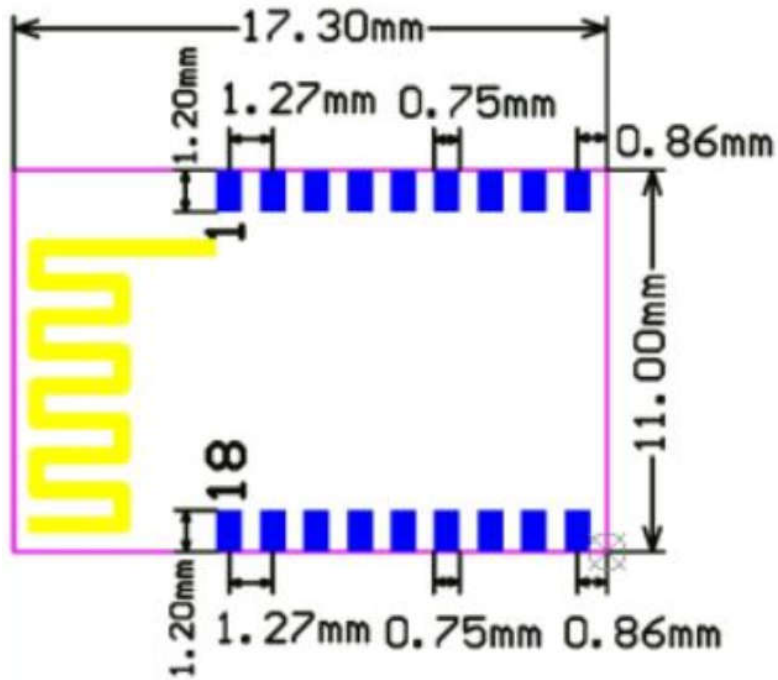
**PART NAME:** PCB Antenna

## 1.Performance parameter

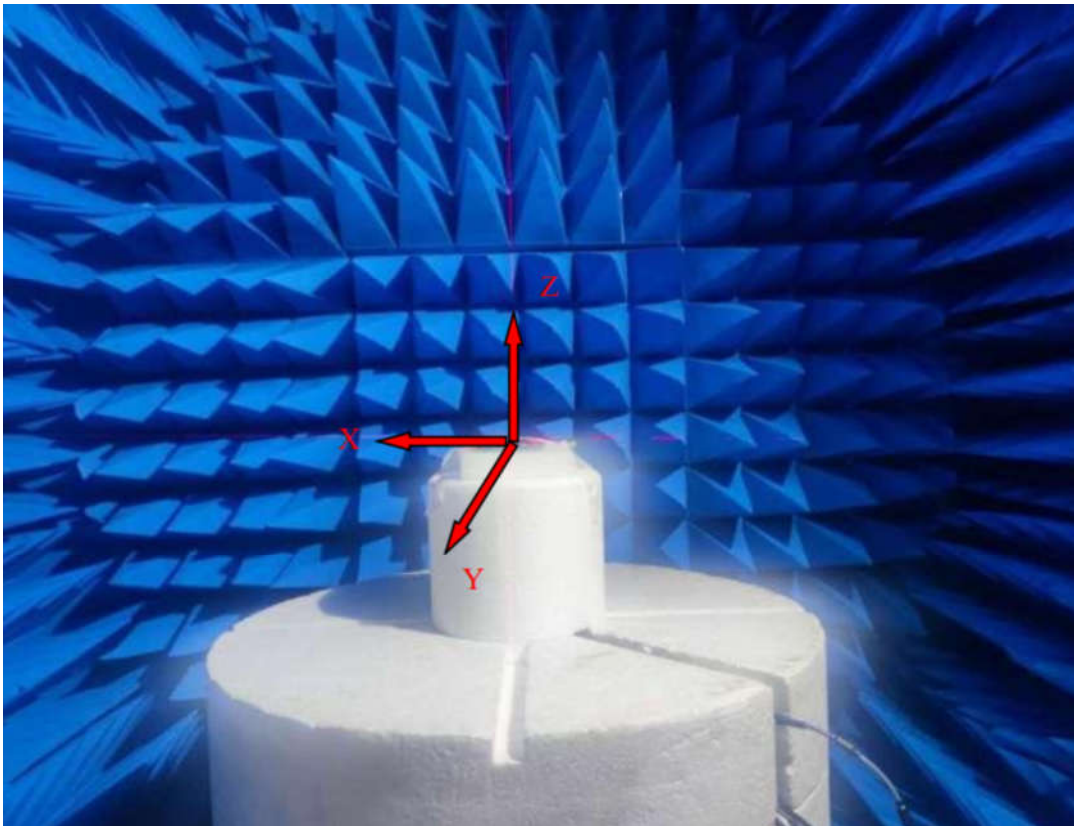
|                  |                                                                                               |
|------------------|-----------------------------------------------------------------------------------------------|
| Name             | PCB Antenna                                                                                   |
| Model Type       | PCB Antenna                                                                                   |
| Frenquency Range | 2400-2500 MHz                                                                                 |
| Impedance        | 50 $\Omega$                                                                                   |
| Antenna Type     | onboard antenna                                                                               |
| VSWR             | < 3.2                                                                                         |
| Max Gain         | 2.499 dBi                                                                                     |
| Manufacture      | LinkedSemi                                                                                    |
| Address          | Room 102, Building 5,Torch & Lotus Technology Park, Lane 60,<br>Naxian Road, Pudong, Shanghai |

## 2.Appearance





3.EUT setup photo of free space OTA testing



## 4.VSWR parameters

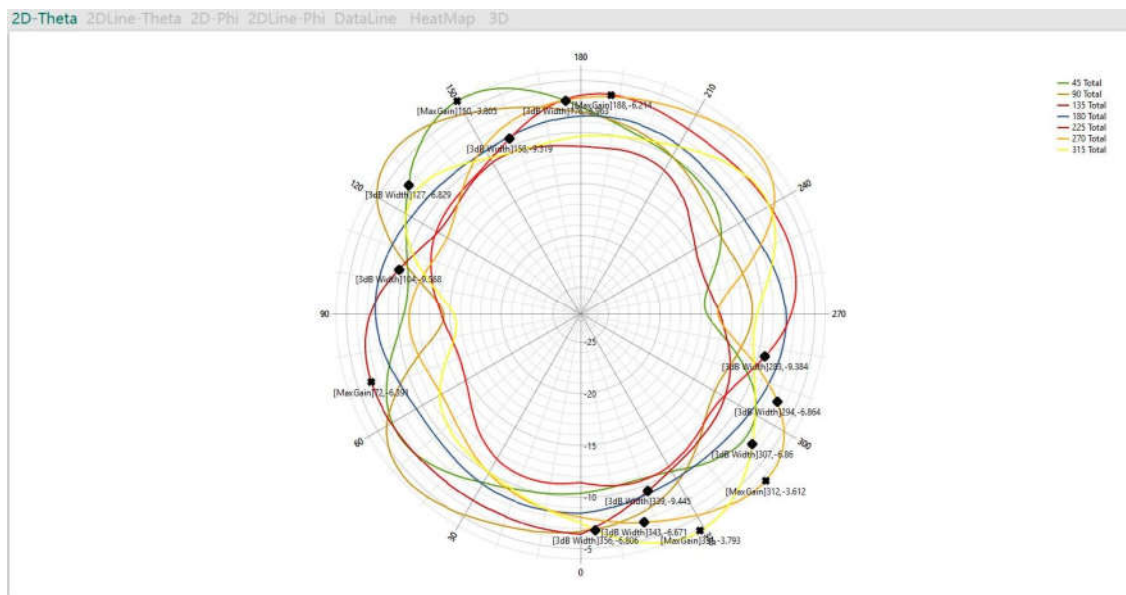


## 5.Passive test data:

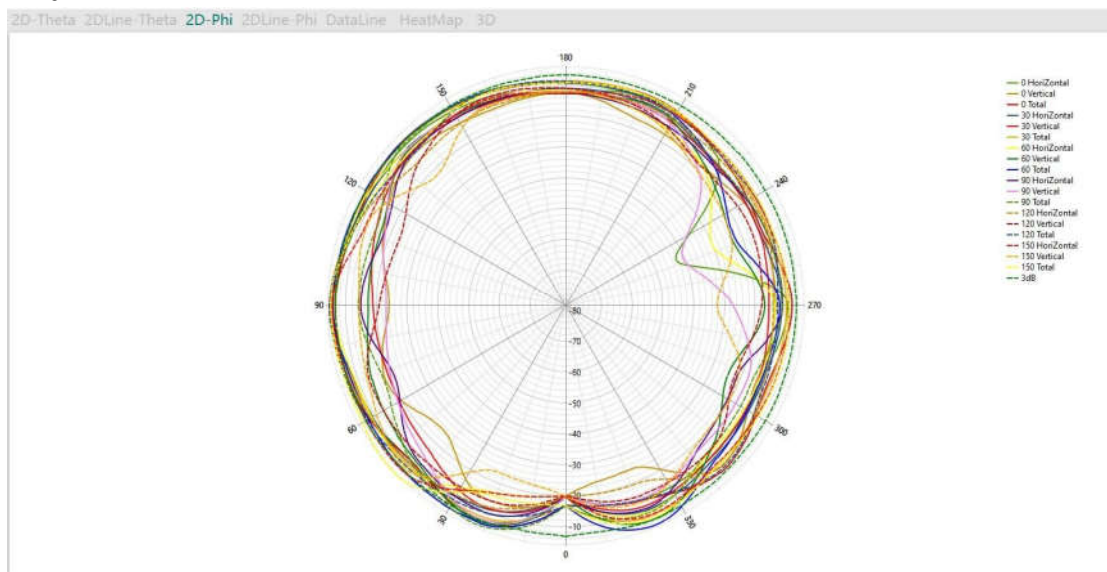
| Frequency (MHz) | Gain (dBi) | Efficiency (%) | AverageGain (dBi) | Efficiency (dB) |
|-----------------|------------|----------------|-------------------|-----------------|
| 2400            | 1.433      | 59.329%        | -2.717            | -2.267          |
| 2410            | 0.927      | 51.861%        | -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%        | -3.144            | -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%        | -2.806            | -2.616          |
| Peak            | 2.499      | 61.727%        | -2.112            | -2.095          |

## 6.Radiation pattern

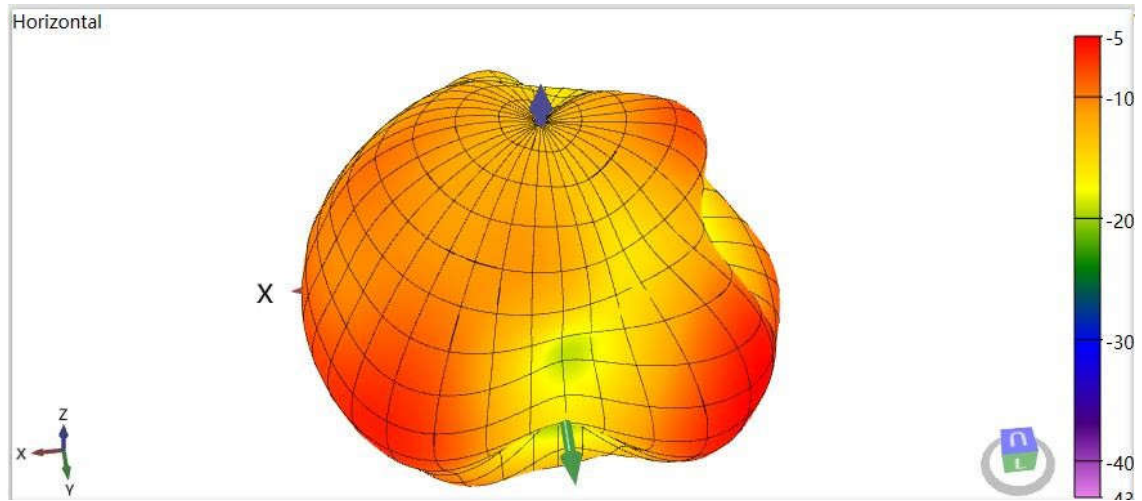
2440MHz 2D-Theta Pattern



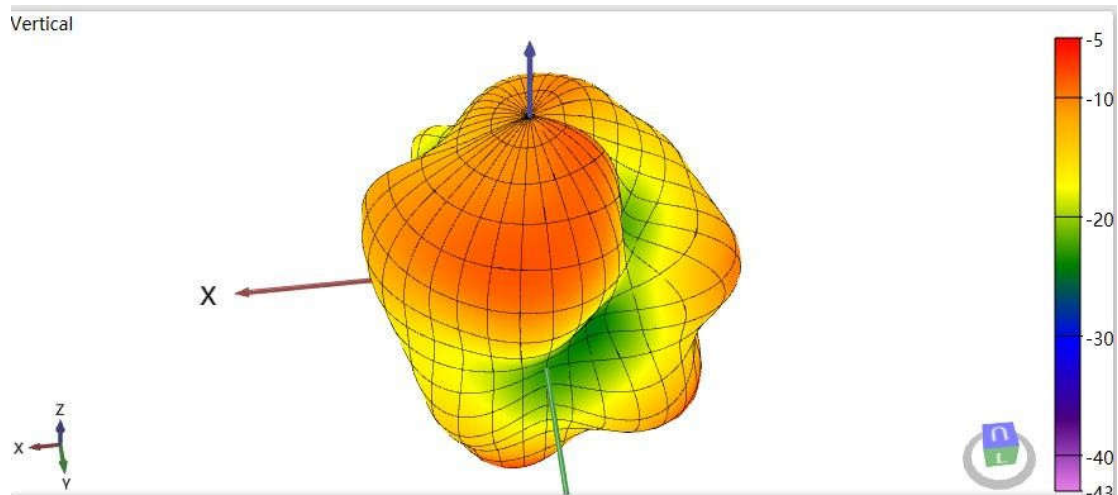
## 2440MHz 2D-Phi Pattern



## 2440MHz 3D-Horizontal Pattern



## 2440MHz 3D-Vertical Pattern



## 2440MHz 3D-Total Pattern

