



## 2.4G 5.8G Dual Band Wifi Bluetooth Built In Laptop Antenna IPEX-1 Omnidirectional PCB Antenna 42x7

### Our Product Introduction

for more products please visit us on [leenzantenna.com](http://leenzantenna.com)

#### Basic Information

- Place of Origin: China
- Brand Name: Leenz
- Certification: RoHs
- Model Number: LZANT-10221-A
- Minimum Order Quantity: 10
- Delivery Time: 15 days
- Payment Terms: T/T
- Supply Ability: 5K per day



#### Product Specification

- Frequency: 2400-2500MHz; 5150-5850MHz
- VSWR: <2.0
- Peak Gain: 2dBi
- Impedance: 50 OHM
- Highlight: omnidirectional PCB antenna,  
Bluetooth laptop antenna,  
built in laptop antenna



#### More Images



## Product Description

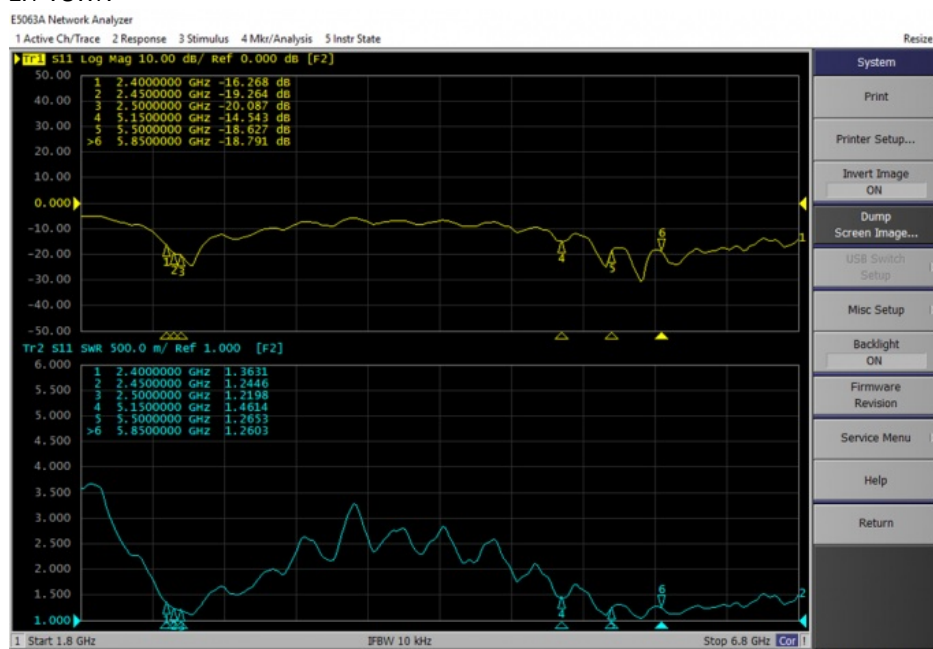
2.4G/5.8G dual-band wifi Bluetooth built-in laptop antenna IPEX-1 omnidirectional PCB antenna 42x7

### 1. Specification

| A. Electrical Characteristics            |                   |              |
|------------------------------------------|-------------------|--------------|
| Frequency                                | 2400-2500MHz      | 5150-5850MHz |
| S.W.R.                                   | <= 2.0            | <= 2.0       |
| Antenna Gain                             | 1.5dBi            | 2dBi         |
| Efficiency                               | ≈56%              | ≈52%         |
| Polarization                             | Linear            | Linear       |
| Horizontal Beamwidth                     | 360°              | 360°         |
| Vertical Beamwidth                       | 93-97°            | 16-68°       |
| Impedance                                | 50 Ohm            |              |
| Max Power                                | 50W               |              |
| B. Material & Mechanical Characteristics |                   |              |
| Cable Type                               | RF1.13 Cable      |              |
| Connector Type                           | MHF1 Plug         |              |
| Dimension                                | 42*7mm            |              |
| Weight                                   | 0.001Kg           |              |
| C. Environmental                         |                   |              |
| Operation Temperature                    | - 40 °C ~ + 65 °C |              |
| Storage Temperature                      | - 40 °C ~ + 80 °C |              |

### 2. Antenna - S Parameter Test Data

#### 2.1 VSWR

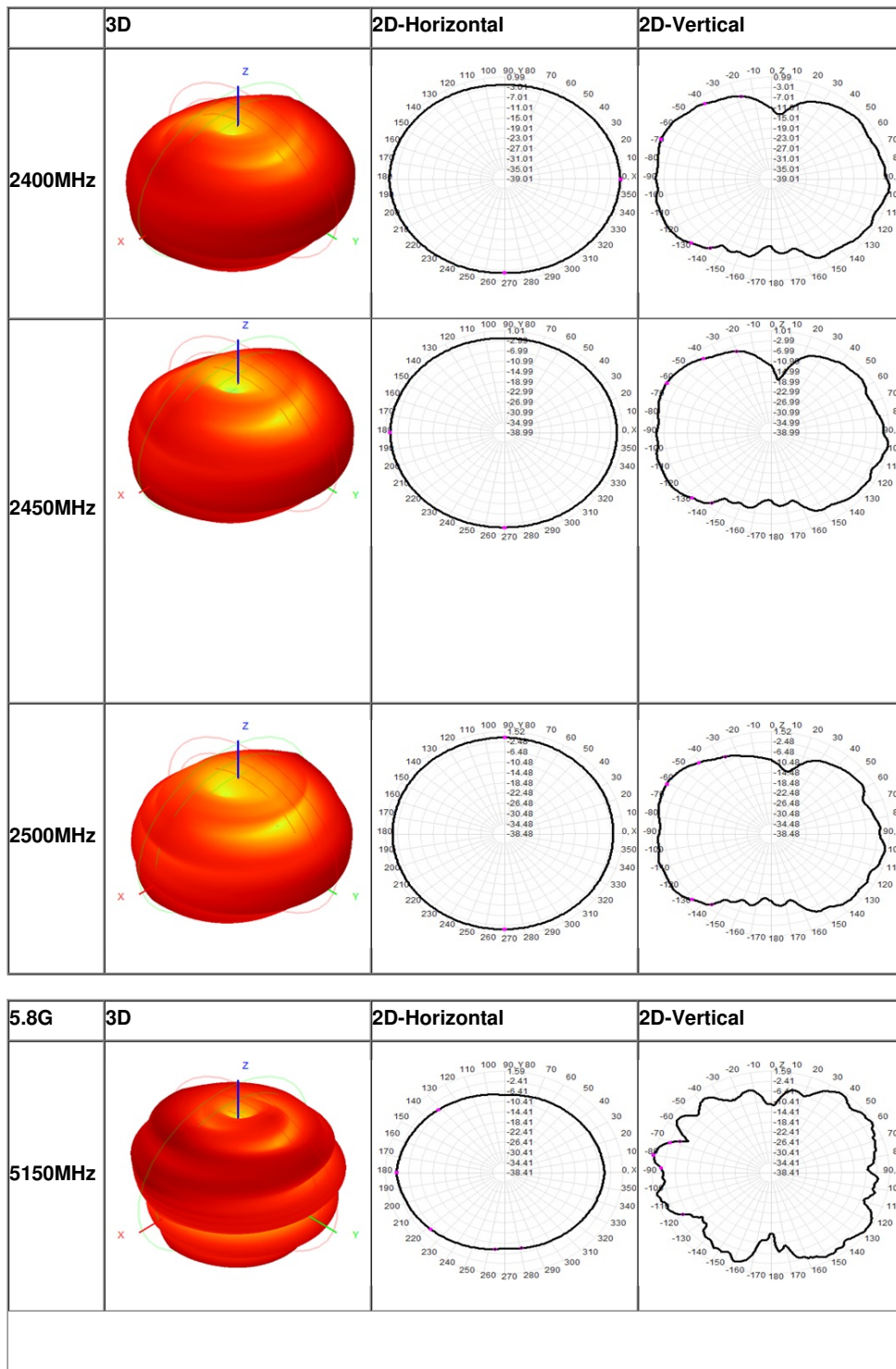


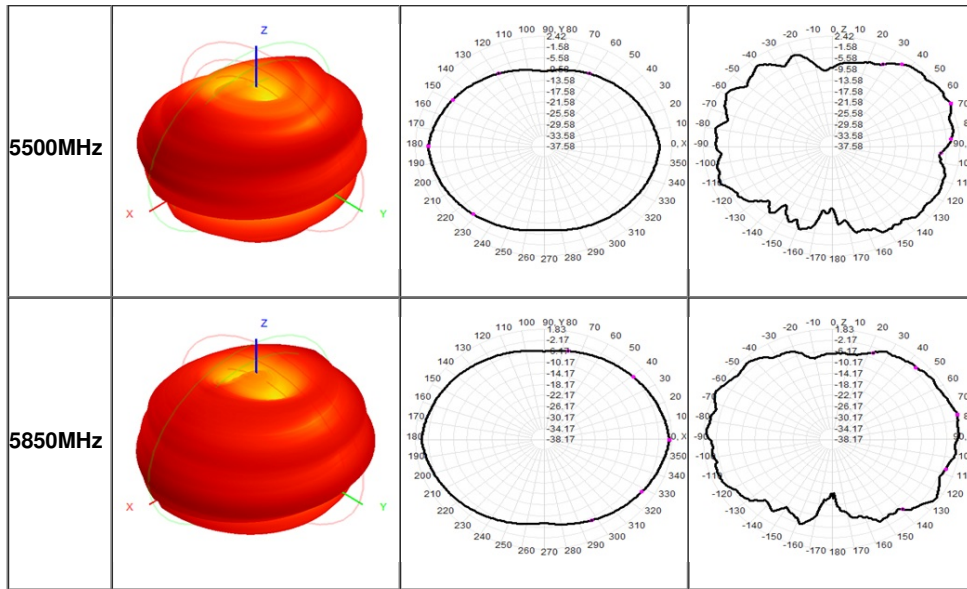
#### 2.2 Total Efficiency & Gain:

| Frequency (MHz) | Gain (dBi) | Efficiency (%) |
|-----------------|------------|----------------|
| 2400            | 1.0        | 60.1           |
| 2410            | 0.9        | 59.0           |
| 2420            | 0.8        | 56.2           |
| 2430            | 0.9        | 55.1           |
| 2440            | 0.9        | 54.8           |
| 2450            | 1.0        | 56.1           |
| 2460            | 1.2        | 58.7           |
| 2470            | 1.3        | 58.4           |
| 2480            | 1.2        | 55.0           |
| 2490            | 1.3        | 53.9           |
| 2500            | 1.5        | 56.2           |
| 5150            | 1.6        | 54.6           |
| 5200            | 1.6        | 58.2           |
| 5250            | 0.9        | 50.0           |

|      |     |      |
|------|-----|------|
| 5300 | 1.3 | 50.6 |
| 5350 | 1.8 | 50.1 |
| 5400 | 2.2 | 50.3 |
| 5450 | 2.2 | 49.7 |
| 5500 | 2.4 | 51.4 |
| 5550 | 1.9 | 50.0 |
| 5600 | 2.0 | 52.7 |
| 5650 | 1.8 | 53.5 |
| 5700 | 1.6 | 53.4 |
| 5750 | 1.4 | 51.2 |
| 5800 | 1.8 | 56.0 |
| 5850 | 1.8 | 54.8 |
|      |     |      |

### 2.3 Radiation Pattern





**Dongguan Leenz Electronics Co., Ltd**



19200261653



sale01@leenz.com



leenzantenna.com

2nd Floor, Building 1, Xinhe Industrial Park No. 162, Zhen'an East Road, Chang'an Town, Dongguan City,  
Guangdong Province