

# Wi-Fi Antenna (TJ-015)

## Engineering Specification

### 1. Features

- \*Stable and reliable performances in 2.4&5.8 GHz bands
- \*Low profile and compact size
- \*RoHS compliance
- \*SMT processes compatible

### 2. Applications

- \*Wi-Fi CERTIFIED applications
- \*Wireless communication devices when IEEE802.11 /b/g/n/a/ac functions are needed.
- \*IoT applications

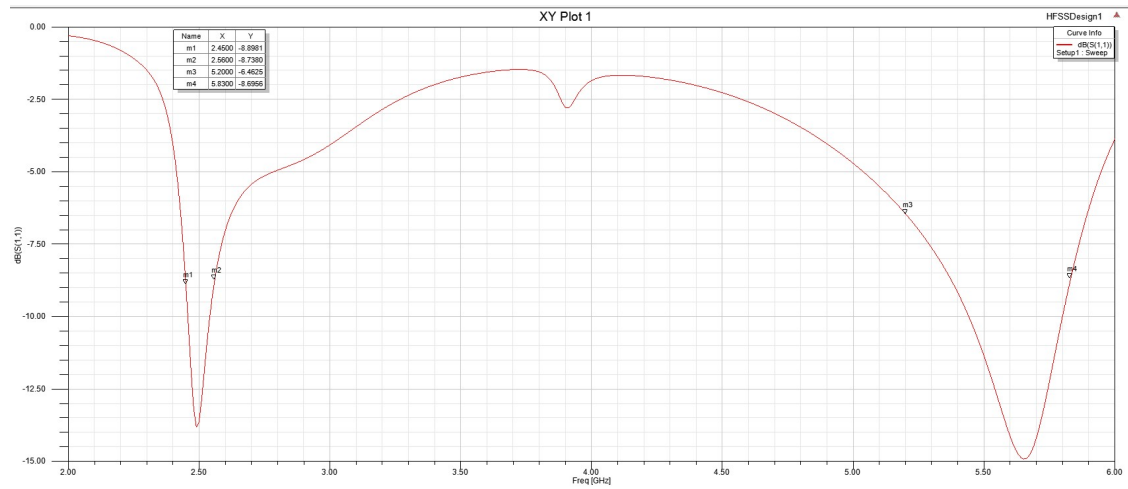
### 3. Description

Unictron's TJ-015 chip antenna is designed for Wi-Fi CERTIFIED applications, covering both **2400-2500/5100-5850** MHz frequency bands. Fabricated with proprietary design and processes, TJ-015 shows excellent performance and is fully compatible with SMT processes which can decrease the assembly cost and improve device's quality and consistency. The type of the antenna is metal shrapnel antenna

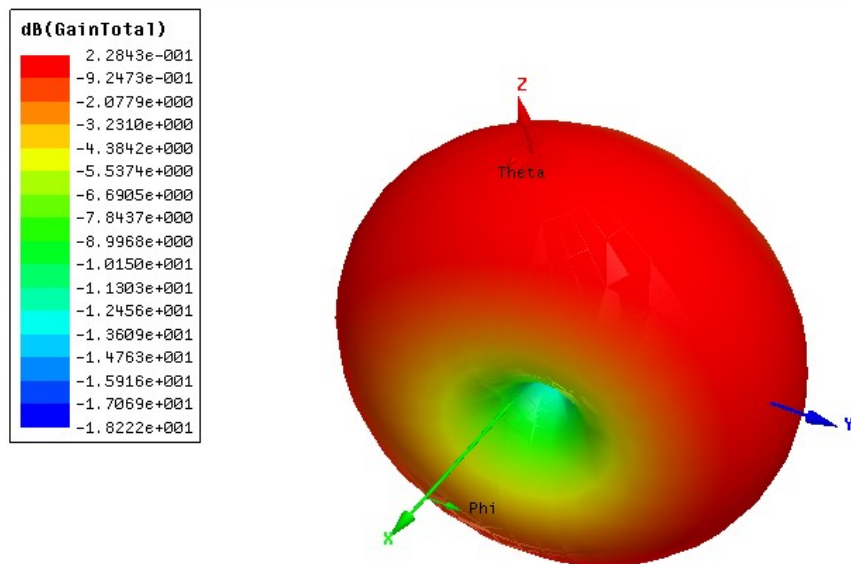
4-1. Electrical Table (2400~2484 MHz Band)

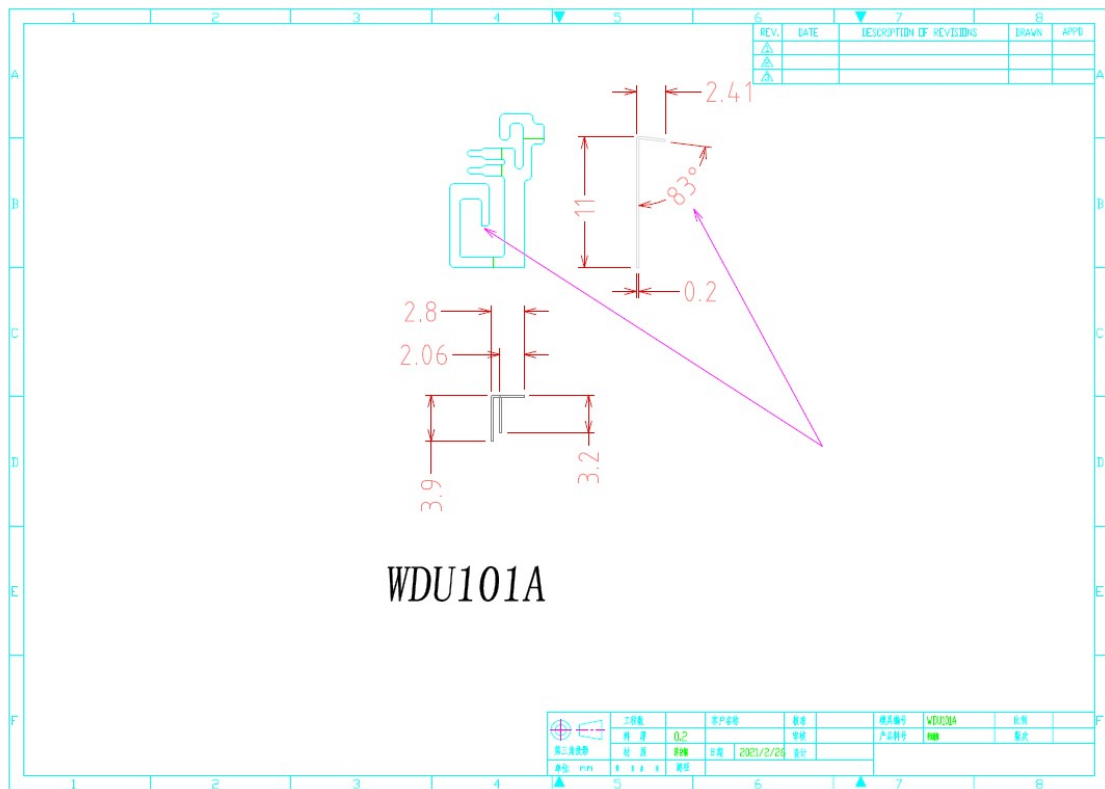
| Characteristics          | Specifications         | Unit |
|--------------------------|------------------------|------|
| Working Frequency        | 2400-2500/5100-5850MHZ | MHz  |
| VSWR                     | 2 Max. (typical)       |      |
| Characteristic Impedance | 50                     |      |
| Peak Gain                | -1.5 (typical)         | dBi  |
| Efficiency               | 64 (typical)           | %    |

### 5. Return Loss & VSWR



## 6. 3D Gain Pattern





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