

Wi-Fi Antenna (TJ-011)

Engineering Specification

1. Features

- *Stable and reliable performances in 2.4&5.2/5.8GHz dual bands
- *Low profile and compact size
- *RoHS compliance
- *SMT processes compatible

2. Applications

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

3. Description

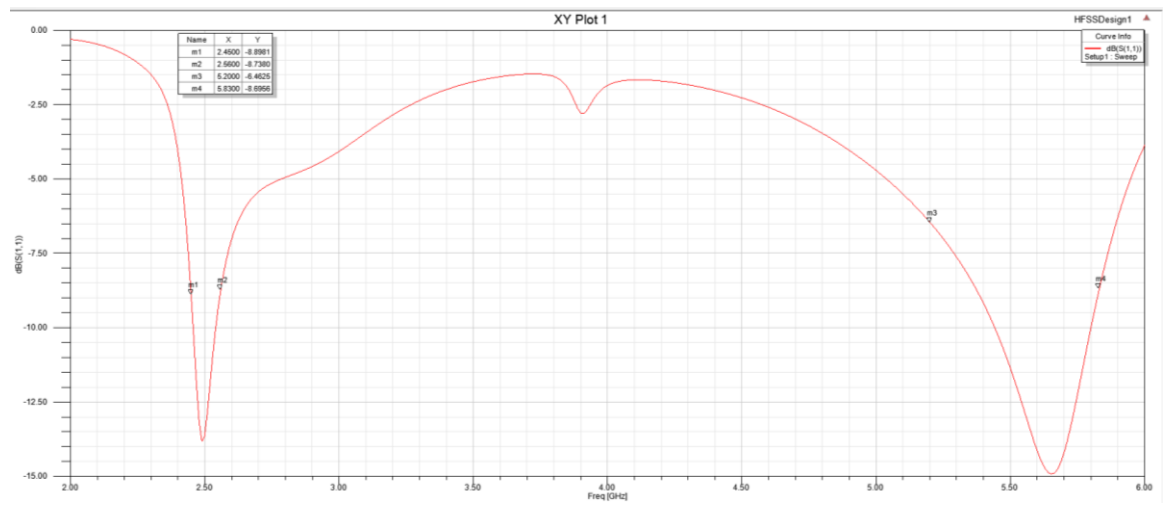
Unictron's TJ-011 chip antenna is designed for Wi-Fi CERTIFIED applications, covering both 2400~2484 and 5150~5850 MHz frequency bands. Fabricated with proprietary design and processes, TJ-011 shows excellent performance and is fully compatible with SMT processes which can decrease the assembly cost and improve device's quality and consistency.

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

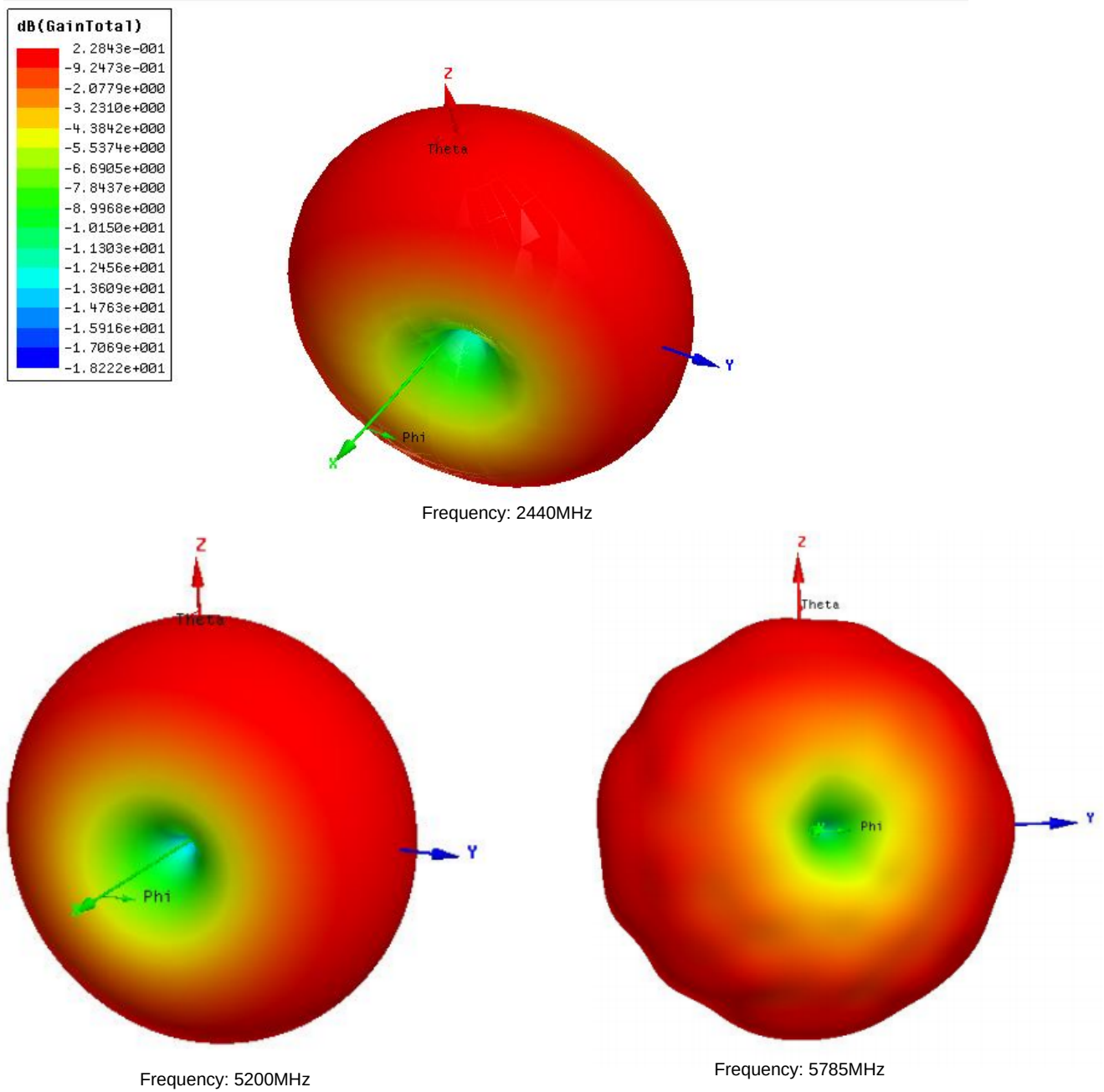
Characteristics	Specifications	Unit
Working Frequency	2400~2484/5150~5850	MHz
VSWR	2 Max. (typical)	
Characteristic Impedance	50	
Efficiency	64 (typical)	%

Frequency VNA (MHz)	Gain Total. dBi
2400MHz	1.74
2440MHz	2.01
2480MHz	1.27
5180MHz	1.19
5200MHz	2.05
5240MHz	1.47
5745MHz	1.37
5785MHz	2.05
5825MHz	1.41

5 . Return Loss & VSWR

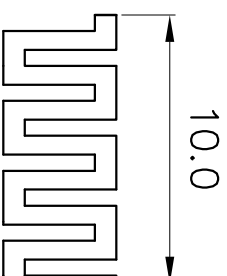
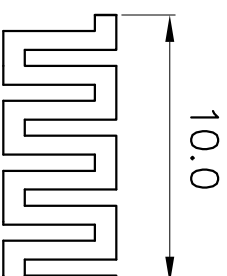
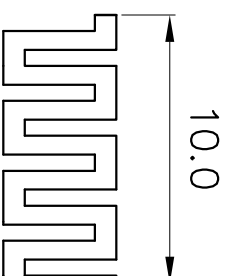
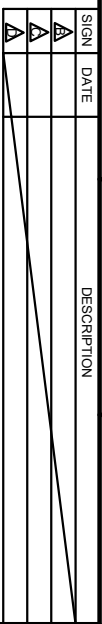


6. 3D Gain Pattern



SIGN	DATE	DESCRIPTION
△		
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SIGN	DATE	DESCRIPTION
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A vertical zigzag line is shown, consisting of five horizontal segments of equal length. A dimension line to the right of the line indicates a total height of 10.0.

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