

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

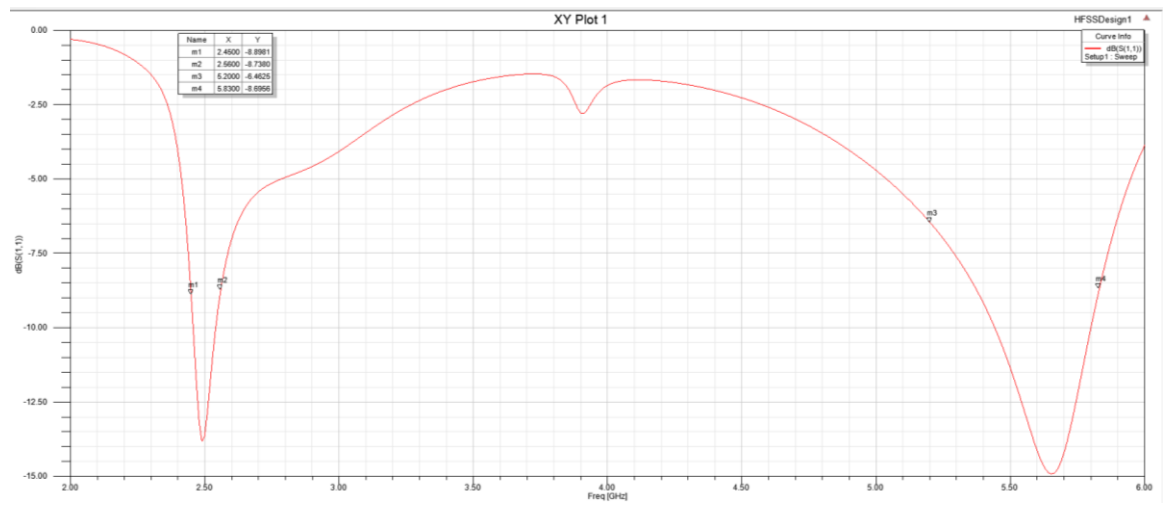
Unictron's TJ-011 chip antenna is designed for Wi-Fi CERTIFIED applications, covering both 2400~2484 and 5150~5850 MHz frequency bands. Fabricated with proprietary design and processes, TJ-011 shows excellent performance and is fully compatible with SMT processes which can decrease the assembly cost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

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

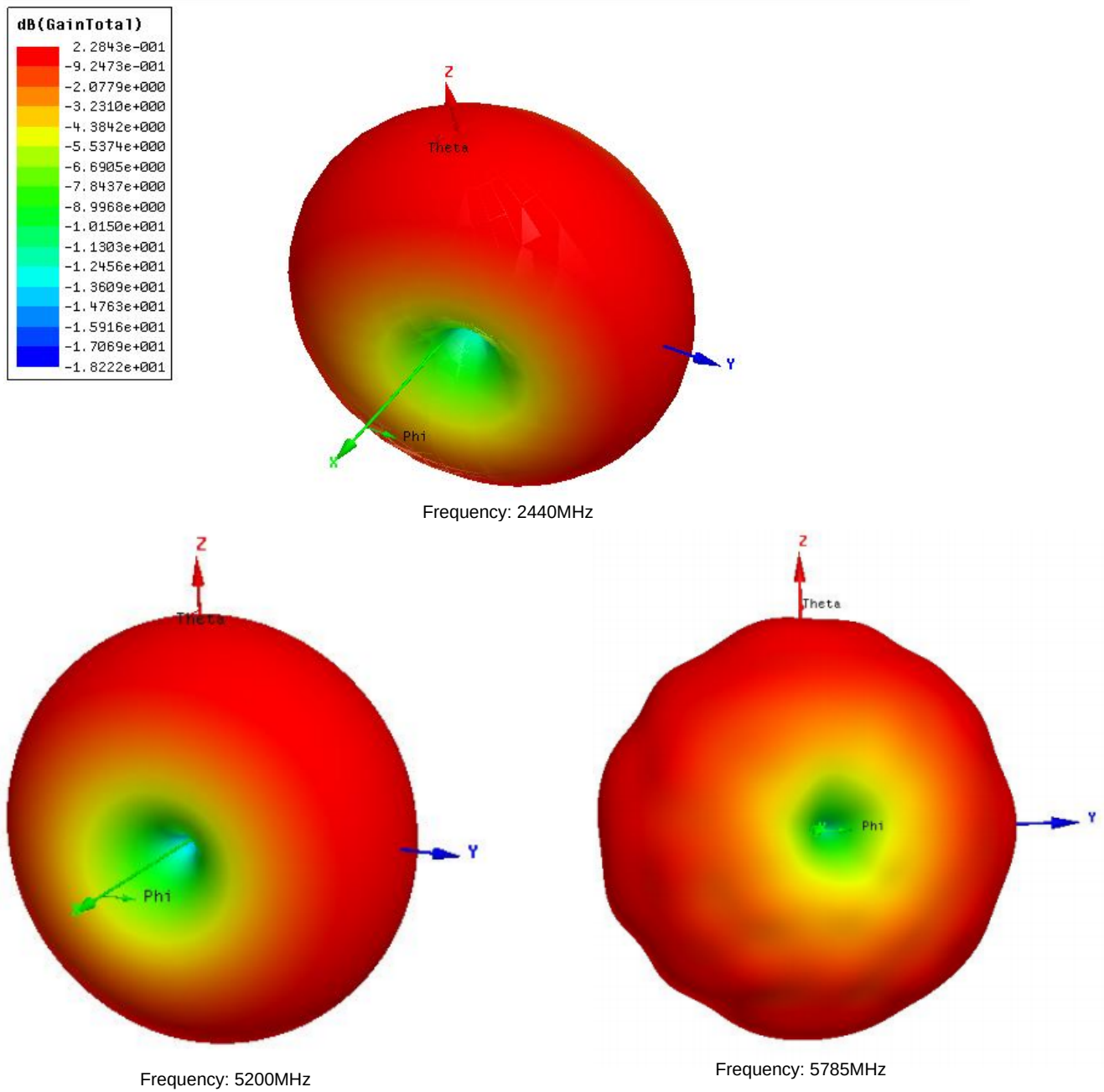
Characteristics	Specifications	Unit
Working Frequency	2400~2484/5150~5850	MHz
VSWR	2 Max. (typical)	
Characteristic Impedance	50	
Efficiency	64 (typical)	%

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



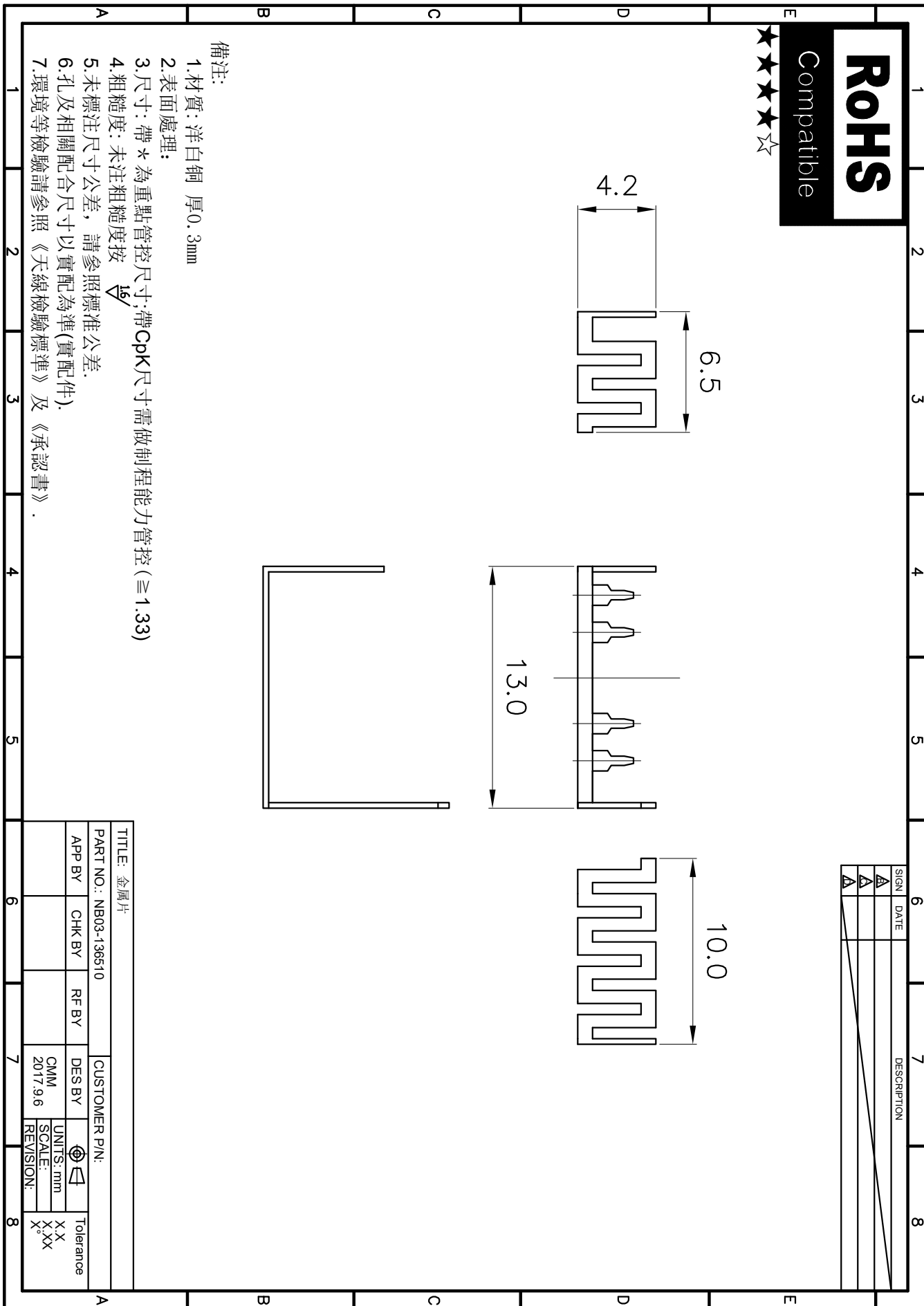
6. 3D Gain Pattern



SIGN	DATE	DESCRIPTION
△		
△		
△		
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RoHS

Compatible



備注:

- 材質: 洋白銅 厚0.3mm
- 表面處理:
- 尺寸: 帶*為重點管控尺寸;帶CpK尺寸需做制程能力管控(≥ 1.33)
- 粗糙度: 未注粗糙度按 $\sqrt{1.6}$
- 未標注尺寸公差, 請參照標準公差.
- 孔及相關配合尺寸以實配為準(實配件).
- 環境等檢驗請參照《天線檢驗標準》及《承認書》.

铁皮天线8811AU-D3,D1P4