
1 Product Description

The antenna is designed for superior performance and can be widely used for wireless applications.

We provide comprehensive antenna design support such as simulation, testing and manufacturing for custom antenna solutions to meet your specific application needs.

2 Product Features

- 2.4 GHz Wi-Fi dual-band
- High efficiency
- Excellent performance



3 Product Specifications

Passive Electrical Specifications

Frequency Range	2.4–2.5 GHz
Input Impedence	50 Ω
VSWR	2.4 GHz: ≤ 3.0
Gain	≤ 1.9 dBi
Polarization Type	Linear

Mechanical Specifications

Antenna Size	42 mm $\times$ 12 mm
Antenna Material	FPC

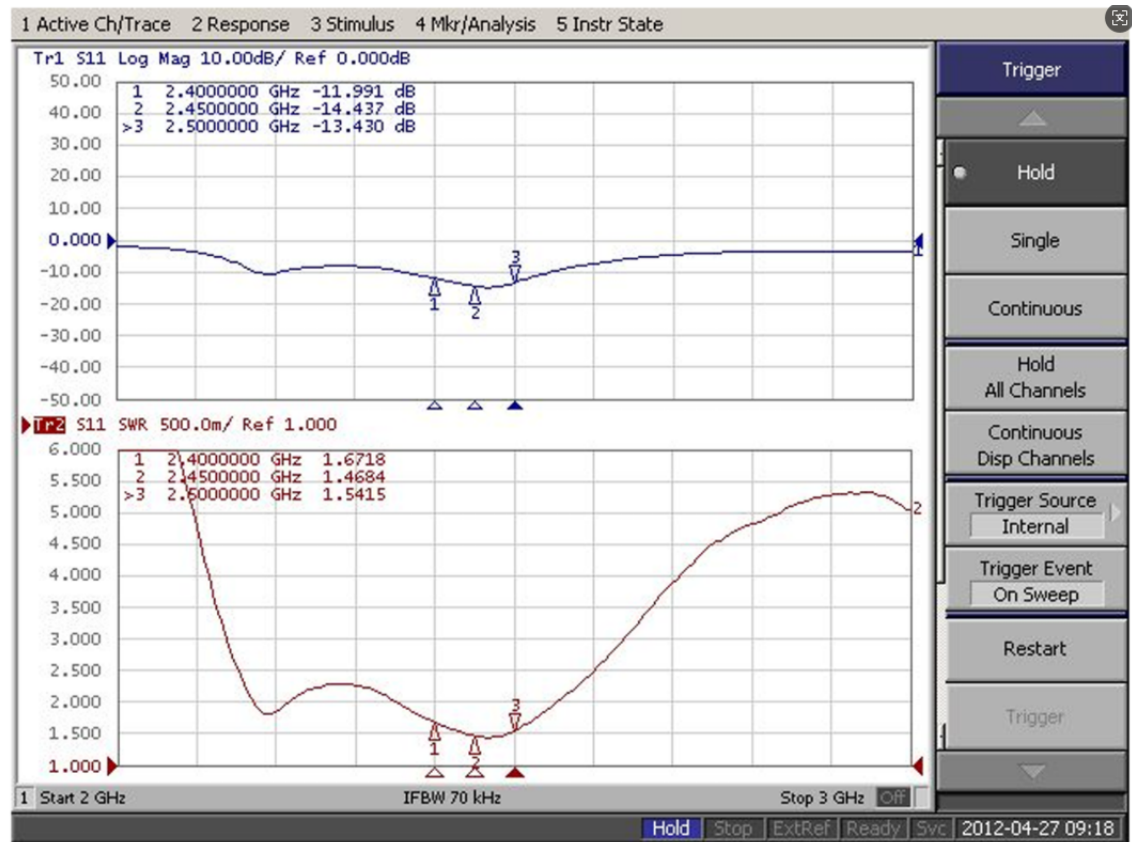
4 Overall Performance

4.1. Test Environment

- KEYSIGHT VNA Network Analyzer E5063A 100 kHz – 8.5 GHz
- RayZone®2800 Chamber 5G (FR1) SISO/MIMO, 400 MHz – 8.0 GHz

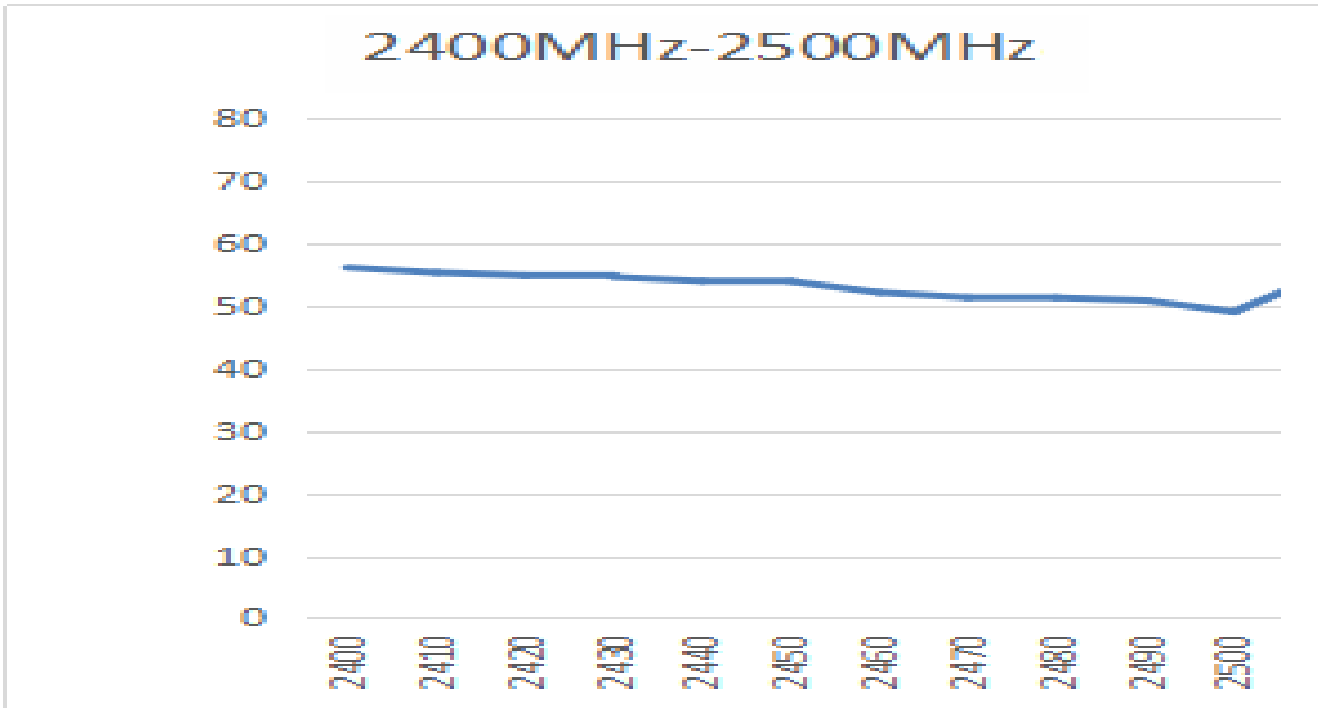


4.2. VSWR



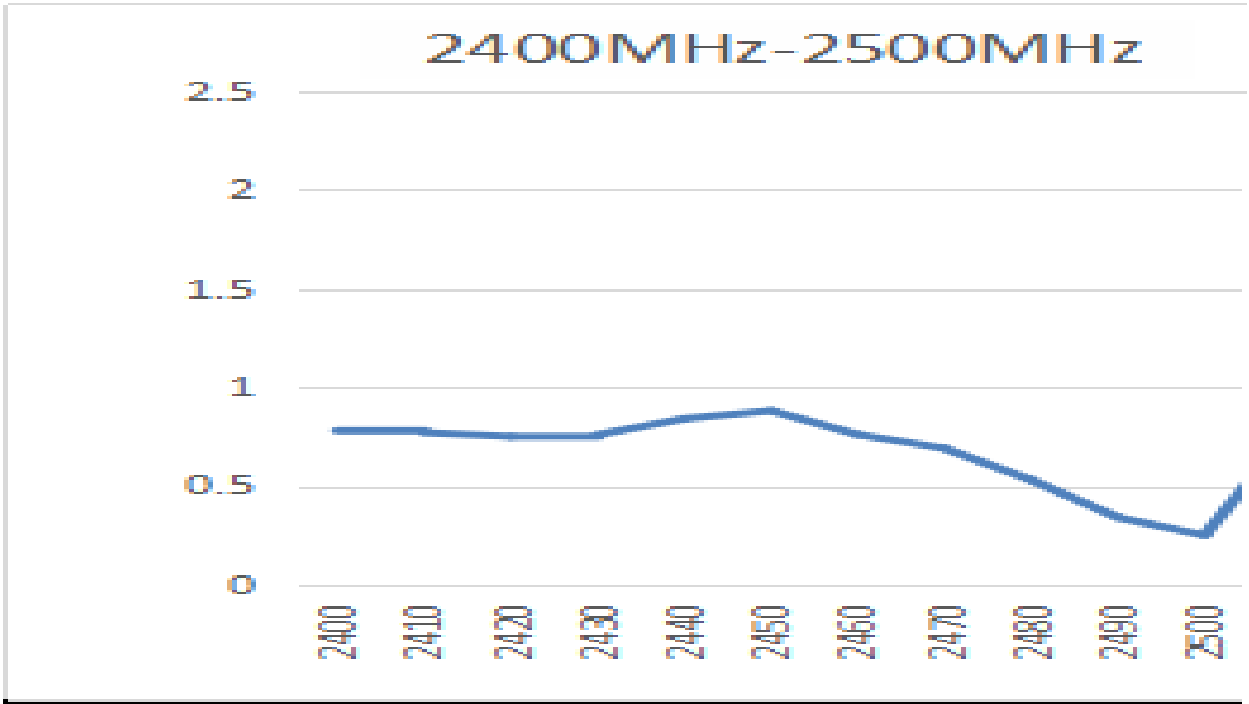
Frequency (MHz)	2400	2500
VSWR	1.67	1.54

4.3. Efficiency



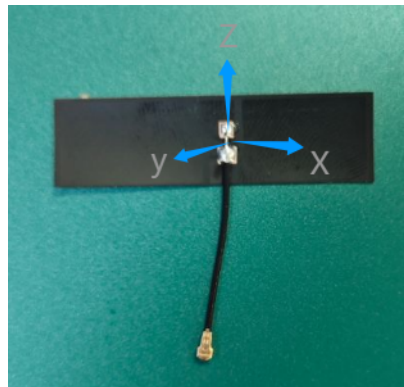
Frequency (MHz)	2400	2450	2500
Eff. (%)	56.14	53.9	49.06

4.4. Gain

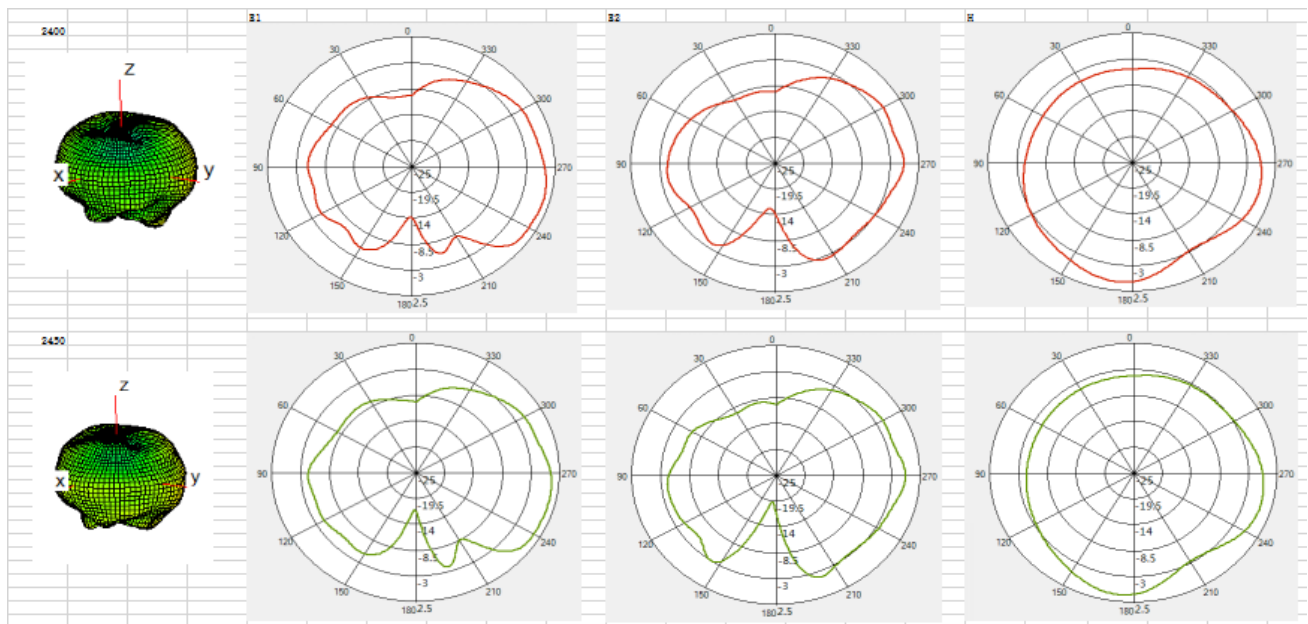


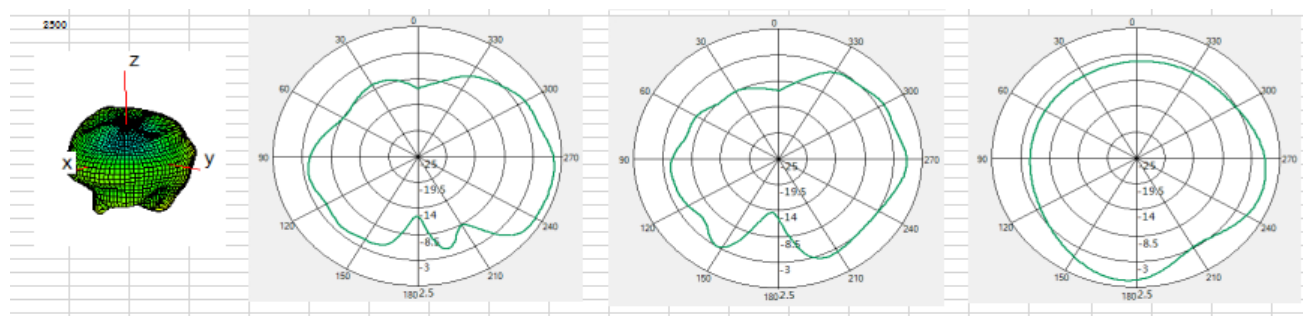
Frequency (MHz)	2400	2450	2500
Gain (dBi)	0.78	0.88	0.25

4.5. Radiation Pattern



H plane: the tangent of XY
E1 plane: the tangent of XZ
E2 plane: the tangent of YZ





5 Product Size

