

WiFi Antenna

TAMP118

Wi-Fi 6e/7 External Antenna

INTRODUCTION

The TAMP118 is an omnidirectional Wi-Fi external antenna used for connecting wireless communication equipment such as a Wi-Fi 6e, Wi-Fi 7 router to client devices.

APPLICATION

Any wireless device that requires an antenna covering Wi-Fi frequency bands. Examples Uses – Routers, Gateways, CPEs, Automotive devices, IoT devices, etc.

Features and Benefits

- **External Antenna with Hinge Covering WiFi 2.4/5/6 GHz Triple Bands**
- Antenna Size: 156.4 X Φ 13mm
- Connector: SMA male
- Color: Black / White
- Operating Frequency Bands:
 - 2400~2500MHz
 - 5100~5900MHz
 - 5925~7125MHz
- High Efficiency up to 90%
- Peak Gain: 1.9~4.1 dBi

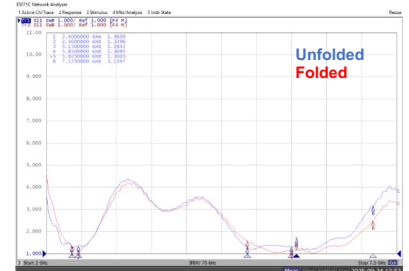


Performance

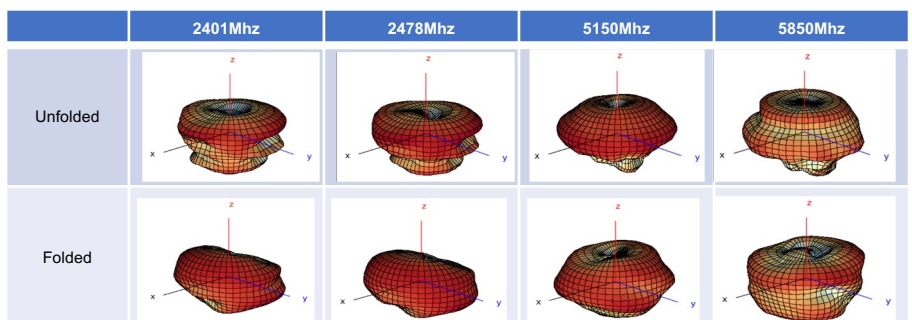
Gain and Efficiency

| | Frequency [Mhz] | 2.4Ghz Band | | | 5Ghz Band | | | | | | |
|--------------|-----------------|------------------|------|------|-----------|------|------|------|------|------|------|
| | | 2401 | 2442 | 2478 | 5150 | 5220 | 5500 | 5750 | 5805 | 5825 | 5855 |
| Unfolded | Efficiency [%] | 68.2 | 72.7 | 74.3 | 63.0 | 64.9 | 66.8 | 77.0 | 77.7 | 73.9 | 77.2 |
| | Peak Gain [dBi] | 2.70 | 3.05 | 3.26 | 1.88 | 2.25 | 3.15 | 2.78 | 2.35 | 2.42 | 2.70 |
| Folded | Efficiency [%] | 79.8 | 88.2 | 85.0 | 67.2 | 66.4 | 81.5 | 90.3 | 85.4 | 88.7 | 89.5 |
| | Peak Gain [dBi] | 2.93 | 3.26 | 3.11 | 2.31 | 2.19 | 3.20 | 4.18 | 3.91 | 3.89 | 3.91 |
| Impedance | | 50 Ω | | | | | | | | | |
| Polarization | | Vertical | | | | | | | | | |
| Directivity | | Omni Directional | | | | | | | | | |

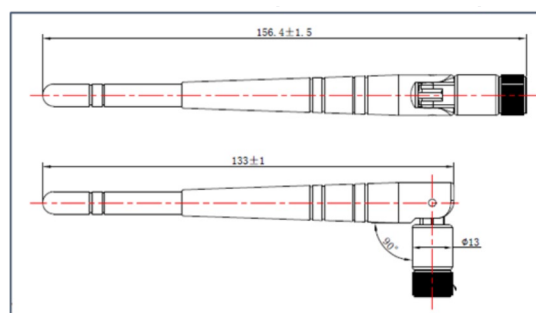
VSWR



Radiation Pattern



Dimension (unit: mm)



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