

2400 - 2483 MHz 14 dBi Directional Wall Mount Flat Patch Panel Antenna

AMXW-2400-14E

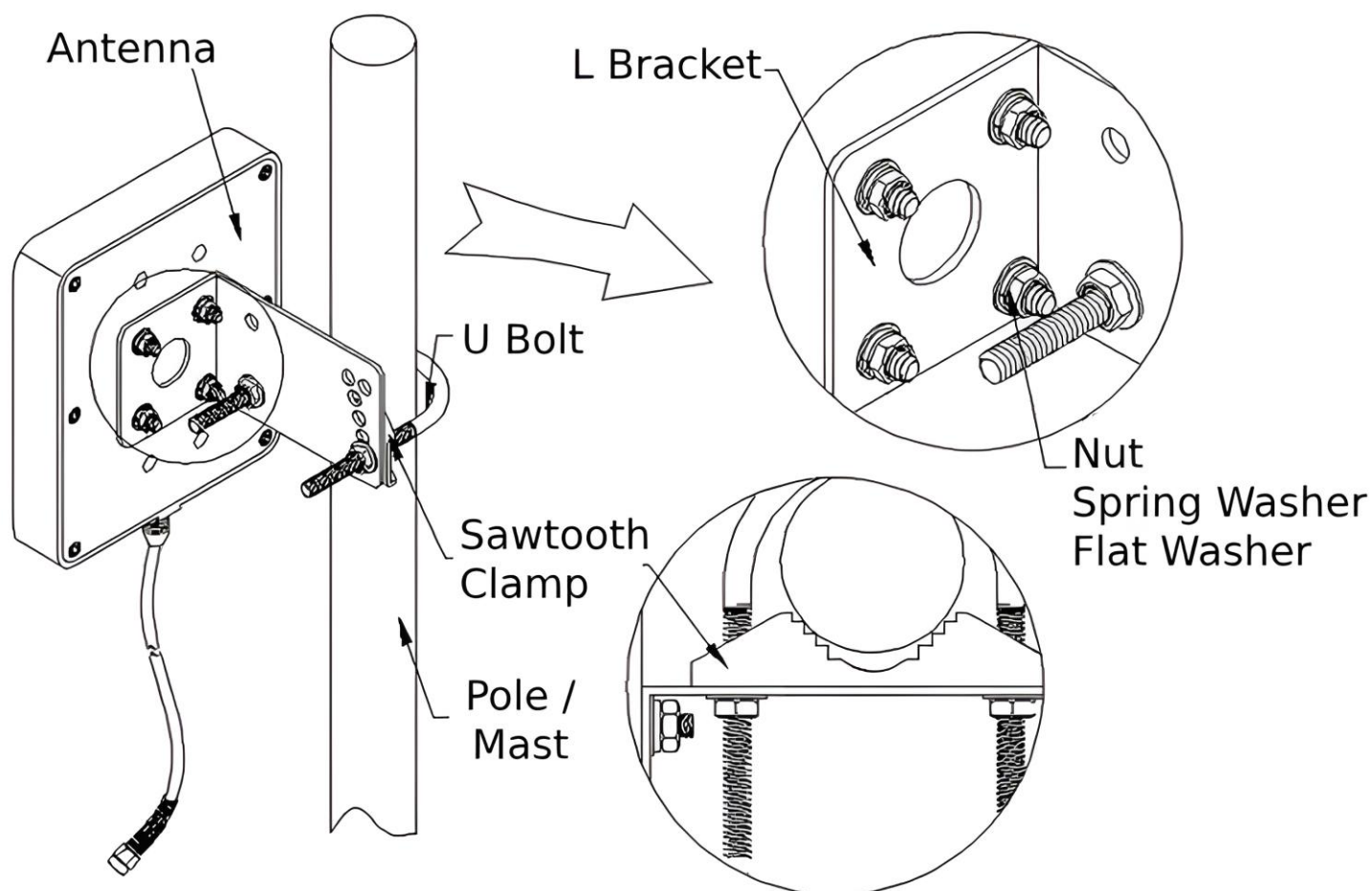
Application:

2.4 GHz WLAN system
2.4 GHz ISM frequency band
Wi-Fi communication system



Parameter		Value
Electrical	Frequency range (MHz)	2400 - 2500
	Bandwidth (MHz)	100
	Gain (dBi)	14
	Half-power beam width (°)	H: 30 V: 30
	V.S.W.R.	≤1.5
	Input Impedance (Ω)	50
	Polarization	Vertical
	Maximum input power (W)	50
	Lightning protection	DC Ground
	Cable	80CM RG58-96 Copper
	Input connector type	SMA-MALE
Mechanical	Dimensions (H x W x D)	220 x 173 x 25mm
	Weight	0.65kg
	Operating temperature (°C)	-40 ~ 60
	Rated Wind Velocity (m/s)	60
	Radome material	ABS
	Radome Colour	White
	Waterproof Standard	IP65 / IP67
	Installation Method	Pole / Mast Mount
	Mounting hardware (mm)	Φ 35 ~ Φ 50

Antenna Installation Instructions



1. Insert the four studs of the antenna through the holes on the **shorter side** of the L Bracket. Attach the **flat washer**, **spring washer**, and **screw nuts** in sequence. Tighten the nuts securely.
2. Orient the antenna so that the **connector end faces downward**. Pass the **M6 U Bolt** through the pole (outer diameter ϕ 35– ϕ 50 mm), followed by the **sawtooth clamp** and the **L Bracket**. Add the flat washers and screw nuts, then tighten the nuts firmly.
3. Adjust the antenna's **inclination angle** for optimal signal reception by selecting the appropriate hole on the **longer side** of the L Bracket. Once aligned, **tighten all nuts** and **seal all external connections** to ensure a secure and weather-resistant installation.
4. The final assembly should closely **match the reference images shown above**. Use these visuals to confirm correct component orientation and positioning.