



Antenna Datasheet

Product OC: YEMG298WBAM

Version: 1.0

Date: 2025-10-30

Product Name: 2.4/5.8GHz Panel Antenna

Key Features:

Frequency Band: 2400–2483 MHz, 5150–5850 MHz

Dimensions: 270 mm × 270 mm × 43.41 mm

RoHS Compliant

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1 Specification

1.1. Electrical

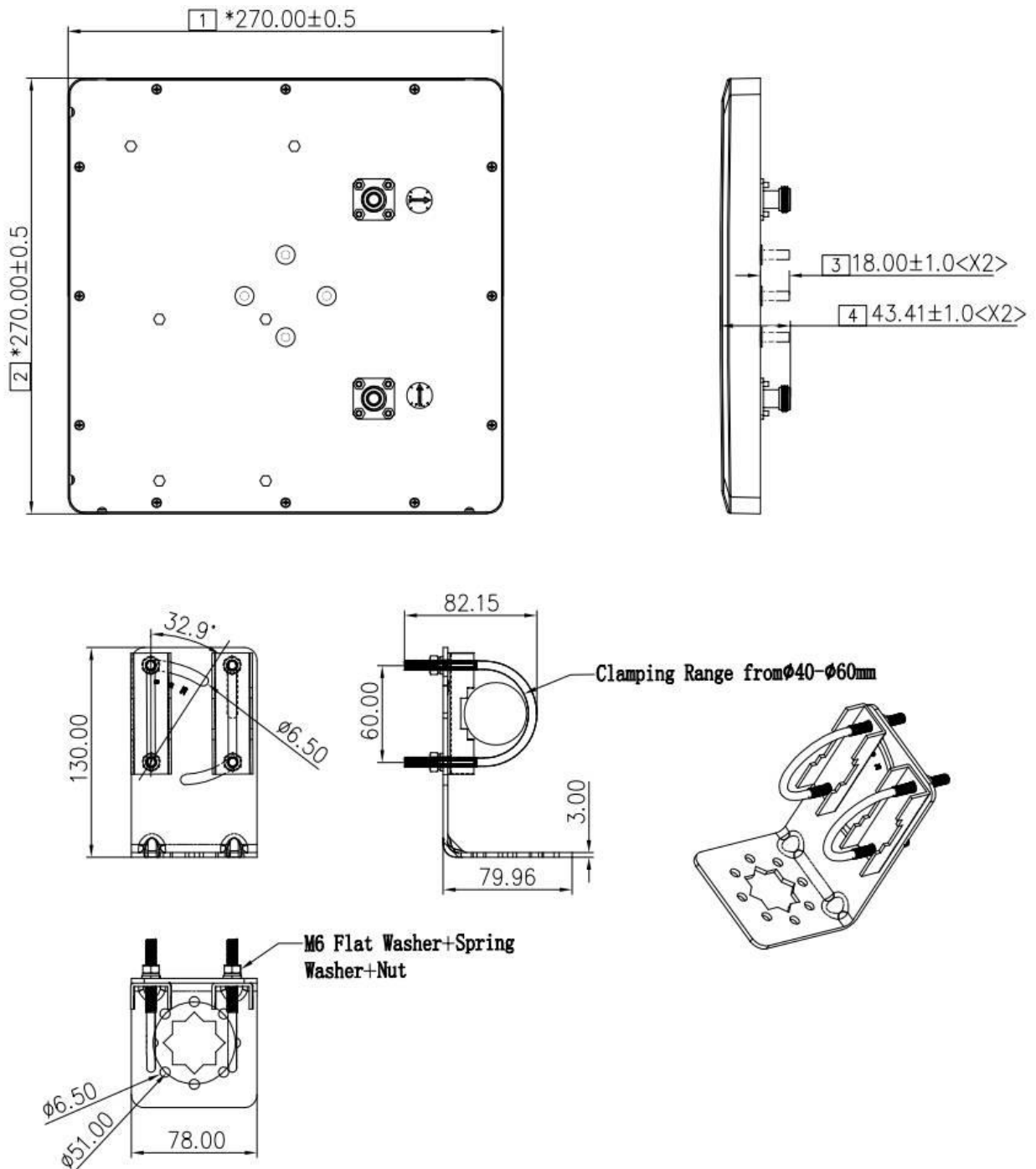
Electrical	
Frequency Band	2400–2483 MHz, 5150–5850 MHz
Gain	2.4GHz 14dBi, 5.8GHz 17dBi
VSWR	≤ 1.5
3dB Beam-Width	2.4GHz 45°(H)/45°(E) 5GHz 25°(H)/25°(E)
Polarization	Vertical & Horizontal
Front to Back Ratio	> 25 dB
Maximum Input Power	100Watt
Input Impedance	50Ω
Lightning Protection	DC Grounded

1.2. Mechanical & Environmental




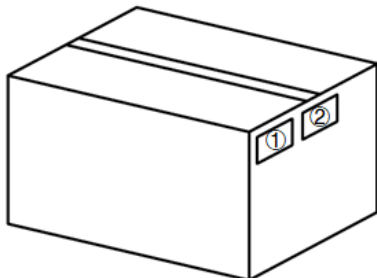
Mechanical	
Connector	2 × N Female
Antenna Dimension	270 mm × 270 mm × 43.41 mm
Weight	1.4 kg
Radome Material	UV Protected ABS
Mounting Mast Diameter	Φ40-Φ60 mm
Environmental	

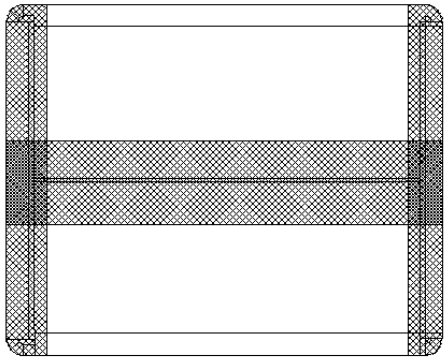
Operation Temperature	-40 °C to +65 °C
Rated Wind Velocity	216 Km/h
RoHS Compliant	Yes

2 Drawing



3 Packaging

Step	Packaging Picture / 2D Picture	Description
1		Product drawing
2		2 antenna products in a PE bag. Then place it in the inner box.
3		(10 Inner Boxes / Carton Box) (10 Antennas / Carton Box) Estimated quantity Products that cannot fill the entire carton box are packed in a suitable size carton box. <u>Carton Size:</u> <u>L × W × H = 530 × 310 × 300 mm</u>
4		Position for Attaching Labels ① Carton Label ② Quality Label

5		<p>Sealing Cartons H-shaped sealing cartons</p>
Note	<p>The initial packaging method described above is for reference only, and the final actual packaging method shall be subject to the actual shipping packaging.</p>	

Contact Us

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Revision History

Version	Date	Author	Note
-	2025-10-30	Ryder Zhang/ Singh Wang/ Riva Ren/ Aria Chu	Creation of the document
1.0	2025-10-30	Ryder Zhang/ Singh Wang/ Riva Ren/ Aria Chu	First official release



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