



# Antenna Datasheet

**Product OC:** YEMJ294JPAM

**Version:** 1.0

**Date:** 2025-10-30

**Product Name:** Omni Ceiling Antenna

**Key Features:**

Frequency Band: 617–5950 MHz

Dimensions:  $\Phi$  256 mm  $\times$  18 mm

RoHS and REACH Compliant

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# 1 Specification

## 1.1. Electrical

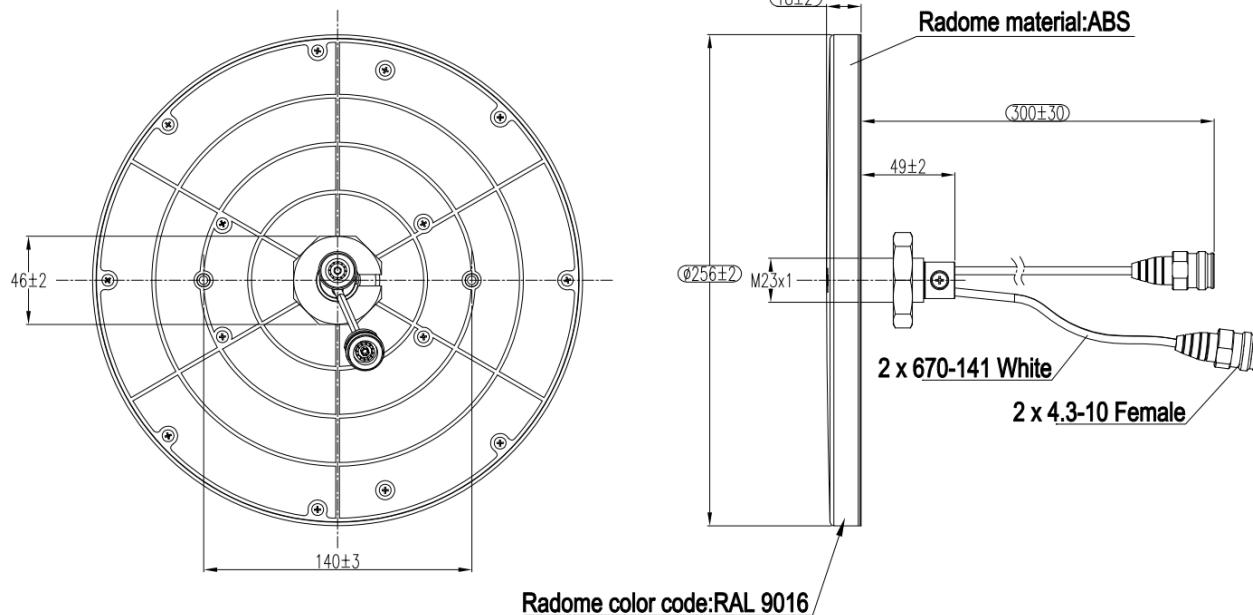
Electrical						
<b>Frequency Band, MHz</b>	617–698	698–960	1420–1520	1695–2690	3300–4200	4800–5950
<b>Horizontal Beamwidth, degrees</b>	360					
<b>Gain, dBi</b>	3.4	3.8	4.0	4.5	6.5	5.5
<b>VSWR</b>	≤1.8					
<b>Isolation, dB</b>	16	16	18	20	30	30
<b>PIM 3rd @ 2×43dBm, dBc</b>	-153, tested @ 900 MHz / 1800 MHz and 3500 MHz					
<b>Impedance, Ohm</b>	50					
<b>Polarization</b>	Linear, H					
<b>Maximum input power, watts</b>	50					

## 1.2. Mechanical & Environmental

Mechanical	
<b>Antenna Dimensions</b>	Φ 256 mm × 18 mm
<b>Material &amp; Color</b>	ABS & White
<b>Connector Type</b>	N type or 4.3-10 Female
<b>Weight</b>	0.52 kg
<b>Mounting Type</b>	Thru-hole ceiling mount
Environmental	

<b>Operation Temperature</b>	-40 °C to +60 °C
<b>Storage Temperature</b>	-40 °C to +60 °C
<b>RoHS &amp; REACH Compliant</b>	Yes

## 2 Drawing



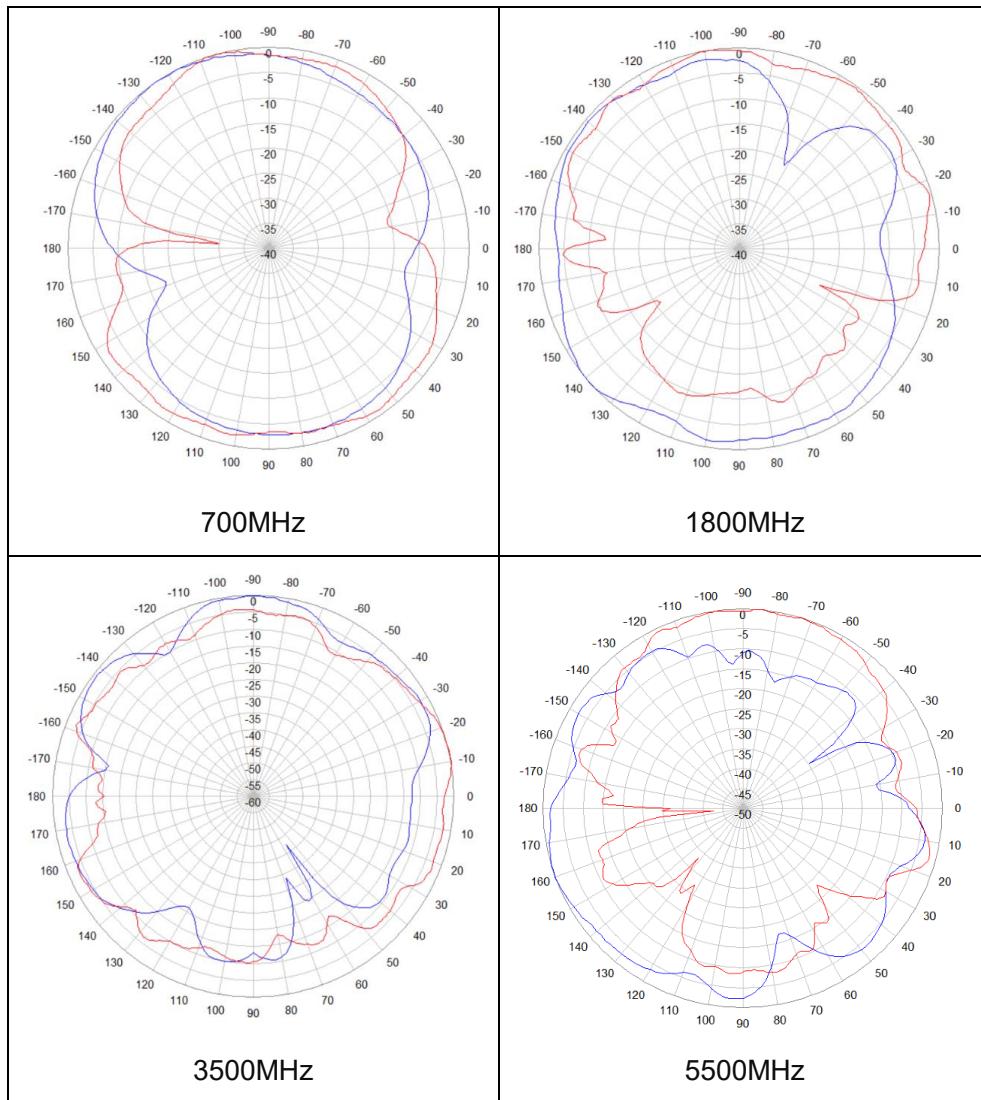
Note /This antenna is not suitable for installing on metal ceiling

# 3 Detailed Performance

## 2D Radiation Pattern

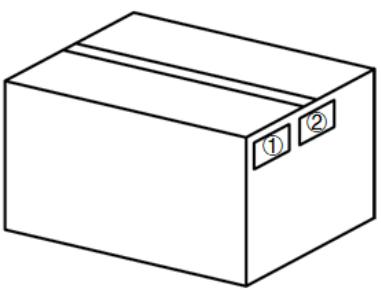
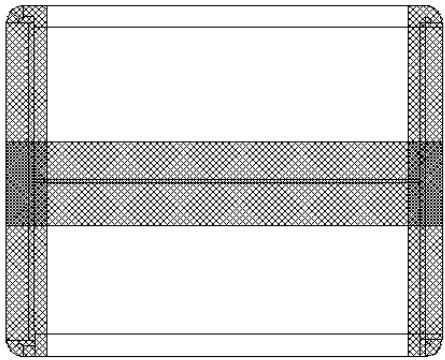
Horizontal

Vertical



# 4 Packaging

Step	Packaging Picture / 2D Picture	Description
1		Product drawing
2		1 antenna product in an inner box. (1 Antenna / Inner Box)
3		(20 Inner Boxes / Carton Box) (20 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><math>L \times W \times H = 1035 \times 425 \times 575 \text{ mm}</math></u>

4		<b>Position for Attaching Labels</b> ① Carton Label ② Quality Label
5		<b>Sealing Cartons</b> H-shaped sealing cartons
Note	The initial packaging method described above is for reference only, and the final actual packaging method shall be subject to the actual shipping packaging.	

# Contact Us

**At Quectel, our aim is to provide timely and comprehensive services to our customers. If you require any assistance, please contact our headquarters:**

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# Revision History

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



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