



Antenna Datasheet

Product OC: YECJ095JPAM

Version: 1.1

Date: 2026-04-22

Status: Released

Product Name: 5G Ceiling Mount Omni Antenna

Key Features:

Frequency Band: 380–6000 MHz

Dimensions: Φ 297 mm $\times$ 151 mm

RoHS and REACH Compliant

Overview

The Quectel YECJ095JPAM is a high-performance indoor wideband omnidirectional antenna designed for next-generation wireless applications. Covering an exceptionally broad frequency spectrum from 380 MHz to 6000 MHz, this antenna supports a wide array of services including 5G, LTE, 3G, 2G, IoT, and Wi-Fi, making it a versatile solution for complex multi-band communication systems. With a consistent vertical polarization and an omnidirectional horizontal radiation pattern (360°), it provides reliable, wide-area coverage in indoor environments. Key electrical specifications include a gain range from 1 dBi to 5 dBi across its operating bands, low VSWR (≤ 1.9), and excellent Passive Intermodulation (PIM) performance (≤ -153 dBc), ensuring high signal integrity and minimal interference.

Mechanically, the antenna features a compact and robust design, measuring $\Phi 297 \text{ mm} \times 151 \text{ mm}$ and constructed from durable white ASA + PC material. It is built for easy ceiling mounting, operates reliably in temperatures from -40°C to $+55^\circ\text{C}$, and is fully RoHS & REACH compliant. Engineered by Quectel, a leader in wireless solutions, the YECJ095JPAM offers a future-proof, reliable, and compliant connectivity component ideal for demanding indoor wireless infrastructure deployments.

Quectel provides comprehensive antenna design support such as simulation, testing and manufacturing for custom antenna solutions to meet your specific application needs. We have regional R & D centers to offer quick response to meet your requirements. Please contact our sales & FAEs if you have any requests.

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1 Specification

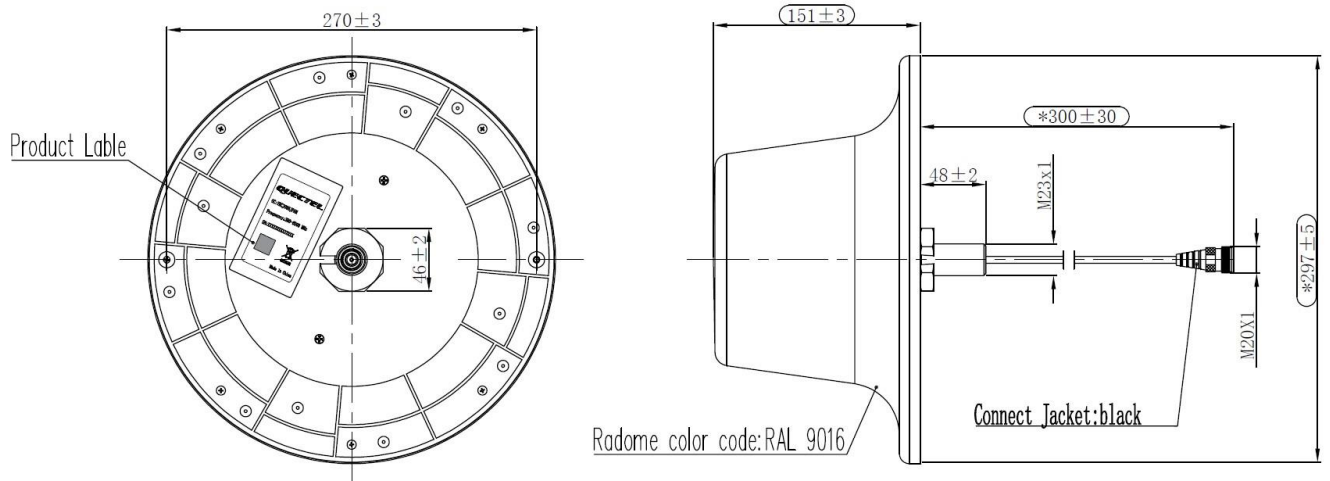
1.1. Electrical

Electrical						
Frequency Range (MHz)		380–520	617–960	1420–1520	1695–2700	3300–6000
Gain (dBi)		1 ±0.5	2.0 ±0.5	2.8 ±0.5	4.5 ±1	5 ±1
Polarization		Vertical				
Beam width (deg)	Horizontal	360				
	Vertical	90	70	50	40	35
VSWR		≤ 1.9	≤ 1.8			
PIM, 3rd Order, 2 x 20 W (dBc)		≤ -153				
Input Power, maximum (W)		50				
Impedance (Ω)		50				

1.2. Mechanical & Environmental

Mechanical	
Antenna Dimensions	Φ 297 mm × 151 mm
Material & Color	ASA + PC & White RAL9016
Number of Ports, all types	1 × 4.3-10 Female
Weight	0.85 kg
Mounting Type	Ceiling via hole (standard)
Environmental	
Operation Temperature	-40 °C to +55 °C
Storage Temperature	-40 °C to +55 °C
Operational Humidity	< 95 %
RoHS & REACH Compliant	Yes

2 Drawing



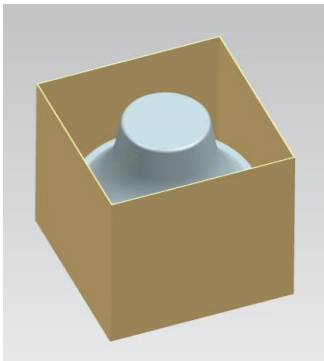
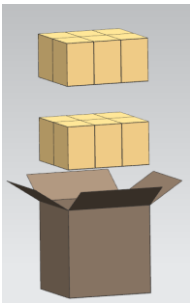
ATTACHMENT			
1		SCREW ST4. 2x25	2PCS
2		EXPANSION PIPE M6x25	2PCS

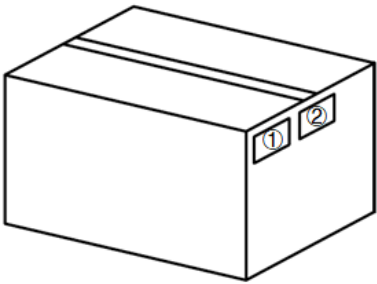
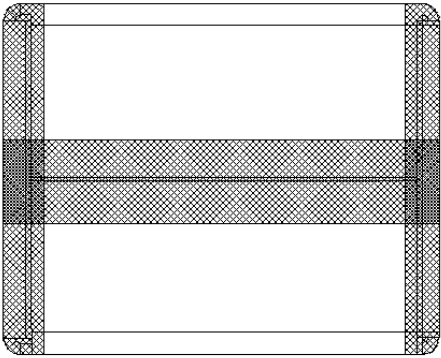
3 Detailed Performance

2D Radiation Pattern

Horizontal pattern	Vertical pattern
380-520 MHz	380-520 MHz
617-960 MHz	617-960 MHz
1710-2700 MHz	1710-2700 MHz
3300-6000 MHz	3300-6000 MHz

4 Packaging

Step	Packaging Picture / 2D Picture	Description
1	 A technical drawing of the antenna. It features a white, dome-shaped radome mounted on a silver-colored metal base. A thin, white cable extends from the bottom of the base. To the left of the main assembly, there is a small detail of the cable's connector, which is a black, cylindrical plug with a silver pin.	Product drawing
2	 A 3D perspective illustration of a light blue, dome-shaped antenna radome sitting inside a tan-colored cardboard box. The box is open, showing the antenna centered within it.	1 antenna product in an inner box. (1 Antenna / Inner Box)
3	 A 3D illustration showing the packaging arrangement. At the bottom is a brown cardboard carton box with its top flaps open. Above the carton box, two stacks of tan-colored inner boxes are shown. Each stack consists of three boxes, for a total of six inner boxes shown. This represents the 12 inner boxes per carton box.	(12 Inner Boxes / Carton Box) (12 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 = 1110 × 820 × 550 mm</u>

4		Position for Attaching Labels ① Carton Label ② Quality Label
5		Sealing Cartons 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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Or our local offices. For more information, please visit:

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Revision History

Version	Date	Author	Note
-	2026-01-15	Ryder Zhang/ Mike Guo/ Riva Ren/ Aria Chu	Creation of the document
1.0	2026-01-15	Ryder Zhang/ Mike Guo/ Riva Ren/ Aria Chu	First official release
1.1	2026-04-22	Mike Guo/ Kessie Geng	1. Updated the dimensions and materials (Cover page, Overview, Chapter 1.2 and 2). 2. Added REACH Compliant (Cover page, Overview and Chapter 1.2). 3. Updated the package (Chapter 4).



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