



Antenna Datasheet

Product OC: YECJ095JPAM

Version: 1.0

Date: 2026-01-15

Status: Released

Product Name: 5G Ceiling Mount Omni Antenna

Key Features:

Frequency Band: 380–6000 MHz

Dimensions: Φ 300 mm \times 139 mm

RoHS 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 $\Phi 300$ mm \times 139 mm and constructed from durable white ABS material. It is built for easy ceiling mounting, operates reliably in temperatures from -40 °C to $+55$ °C, and is fully RoHS 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

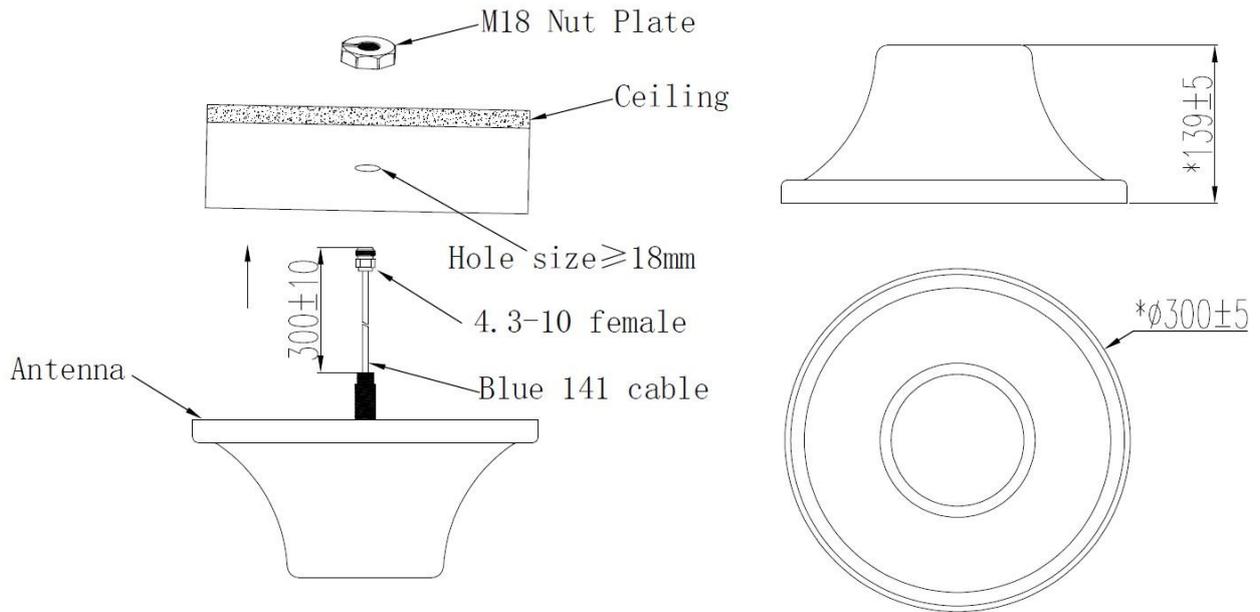
1.1. Electrical

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
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

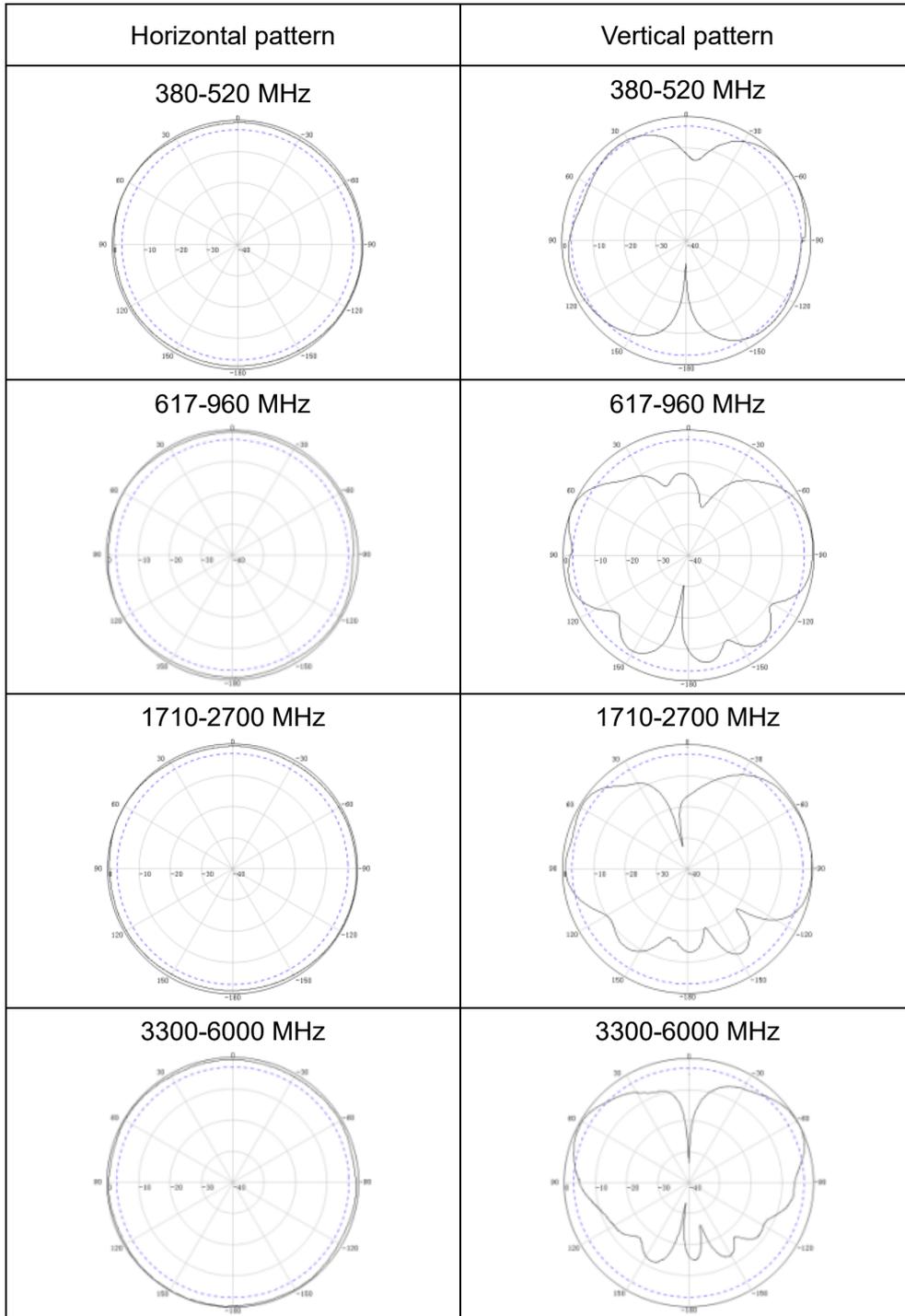
Mechanical	
Antenna Dimensions	Φ 300 mm × 139 mm
Material & Color	ABS & White RAL9003
Number of Ports, all types	1 × 4.3-10 Female
Weight	0.85 kg
Mounting Type	Ceiling via hole (standard)
Environmental	
Operation Temperature	-40 °C to +55 °C
Storage Temperature	-40 °C to +55 °C
Operational Humidity	< 95 %
RoHS Compliant	Yes

2 Drawing

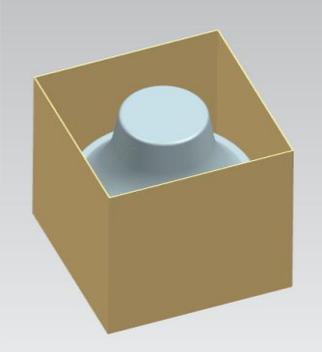
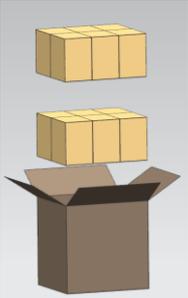
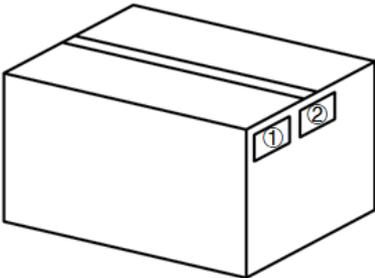


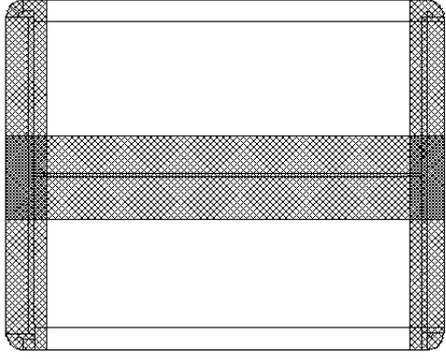
3 Detailed Performance

2D Radiation Pattern



4 Packaging

Step	Packaging Picture / 2D Picture	Description
1		Product drawing
2		1 antenna product in an inner box. (1 Antenna / Inner Box)
3		(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 = 715 × 640 × 640 mm</u>
4		Position for Attaching Labels ① Carton Label ② Quality Label

5	 A technical drawing of an H-shaped sealing carton. It consists of a central horizontal rectangular section with a cross-hatched texture, flanked by two vertical rectangular sections, also with a cross-hatched texture. The corners of the vertical sections are rounded. The entire structure is shown in a perspective view.	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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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

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