

Antenna Datasheet

Product OC: Y2SFR0HA0AA

Version: 1.0

Date: 2026-05-26

Product Name:

Key Features:

Frequency Band: 900–930 MHz

Dimensions: 10 mm × 18 mm × 200 mm

Efficiency: Up to 72.4 %

REACH and ROHS Compliant

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1 Specification

Test Condition: Assembled in test device

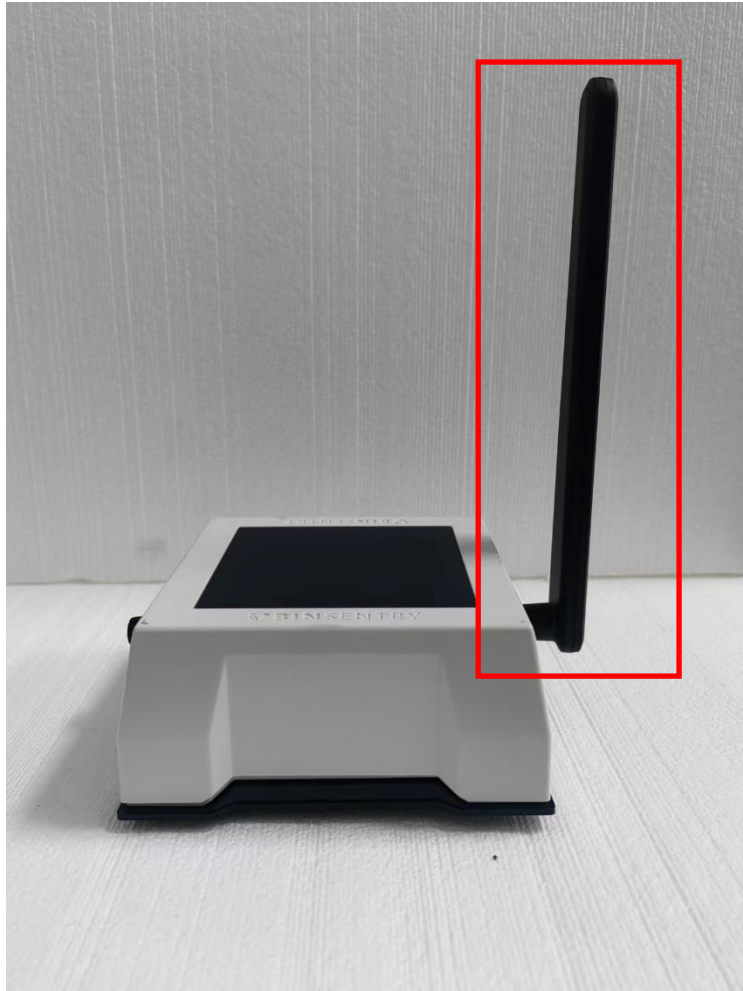
1.1. Electrical

Electrical	
Frequency Range	900–930 MHz
Impedance	50 Ω
Polarization	Linear
Radiation Pattern	Omni-directional
VSWR	≤ 1.3
Peak Gain	2.6 dBi

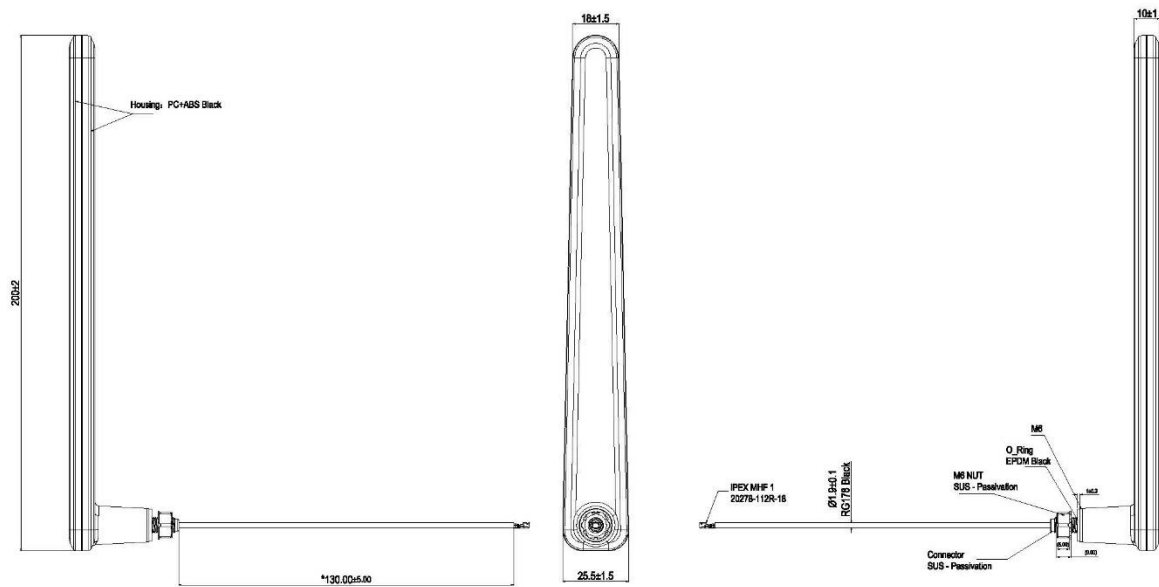
1.2. Mechanical & Environmental

Mechanical	
Antenna Dimensions	10 mm × 18 mm × 200 mm
Material & Color	PC+ABS & Black
Weight	Typ. 34.7 g
Mounting Type	Screw
Environmental	
Operation Temperature	-40 °C to +85 °C
Storage Temperature	-40 °C to +85 °C
RoHS & REACH Compliant	Yes

1.3. Antenna Assembly



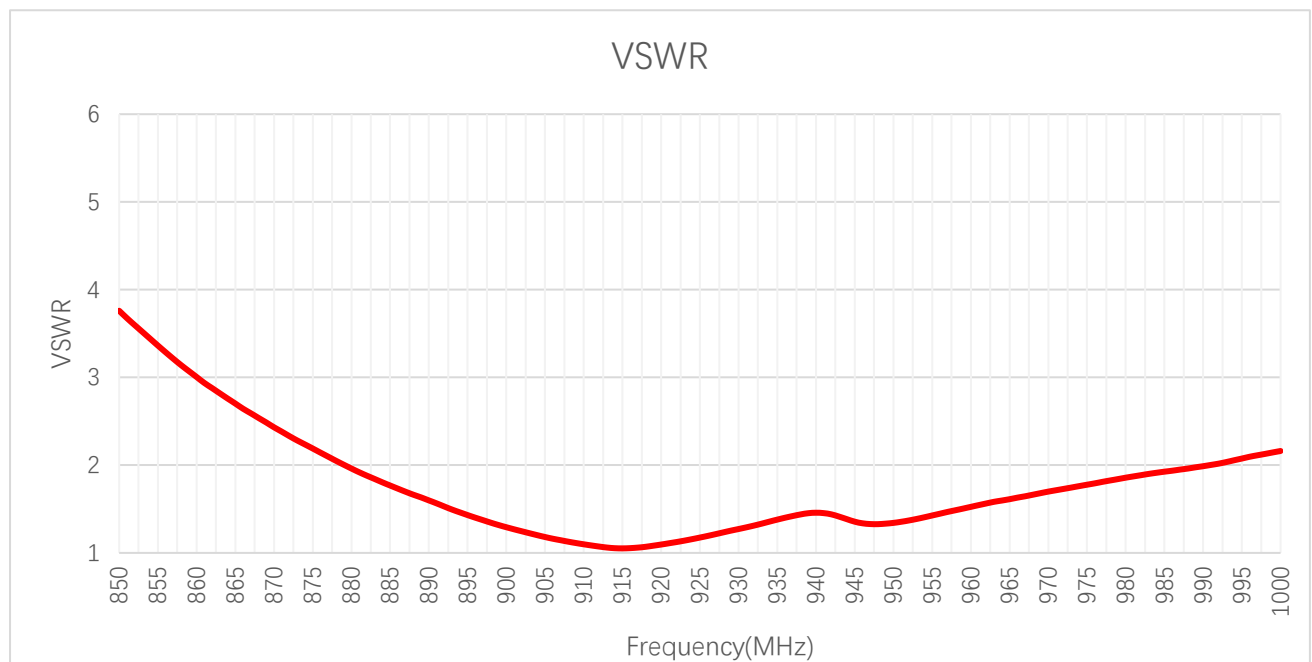
2 Drawing



3 Detailed Performance

3.1. S-Parameter Test

3.1.1. VSWR

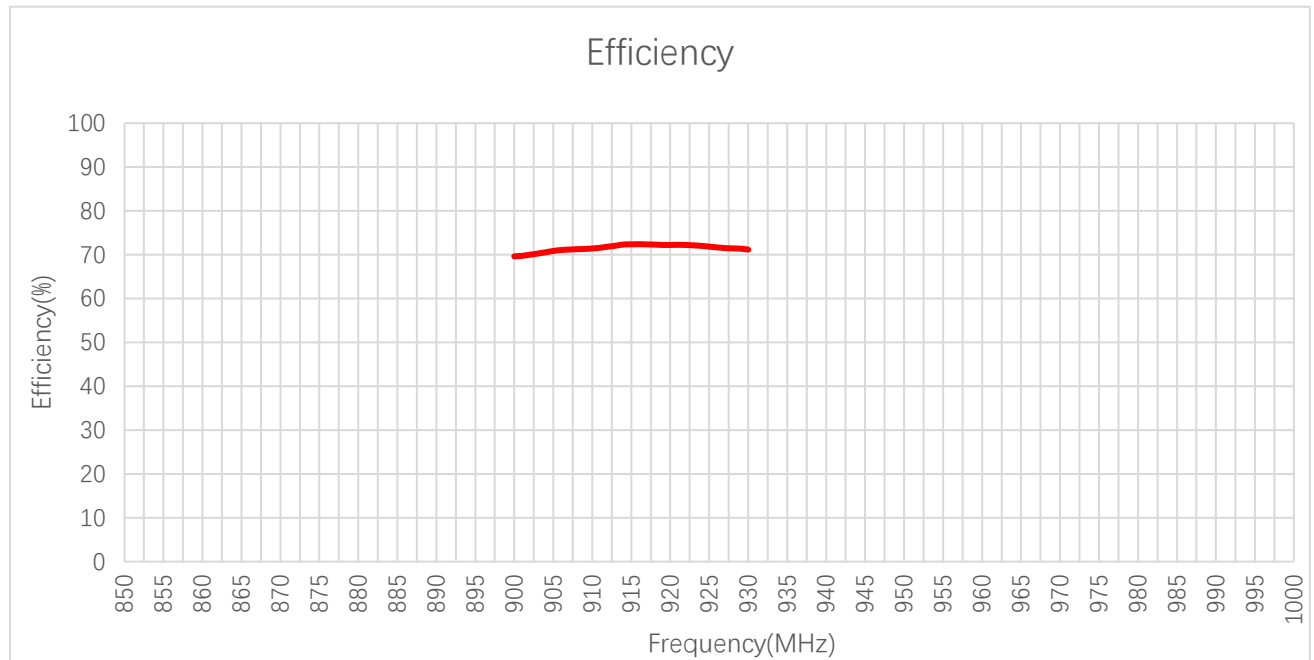


VSWR

Frequency (MHz)	600	630	710	900	915	920	930	1710	1740	1880
VSWR	-	-	-	1.3	1.1	1.1	1.3	-	-	-

3.2. Radiation Performance Test

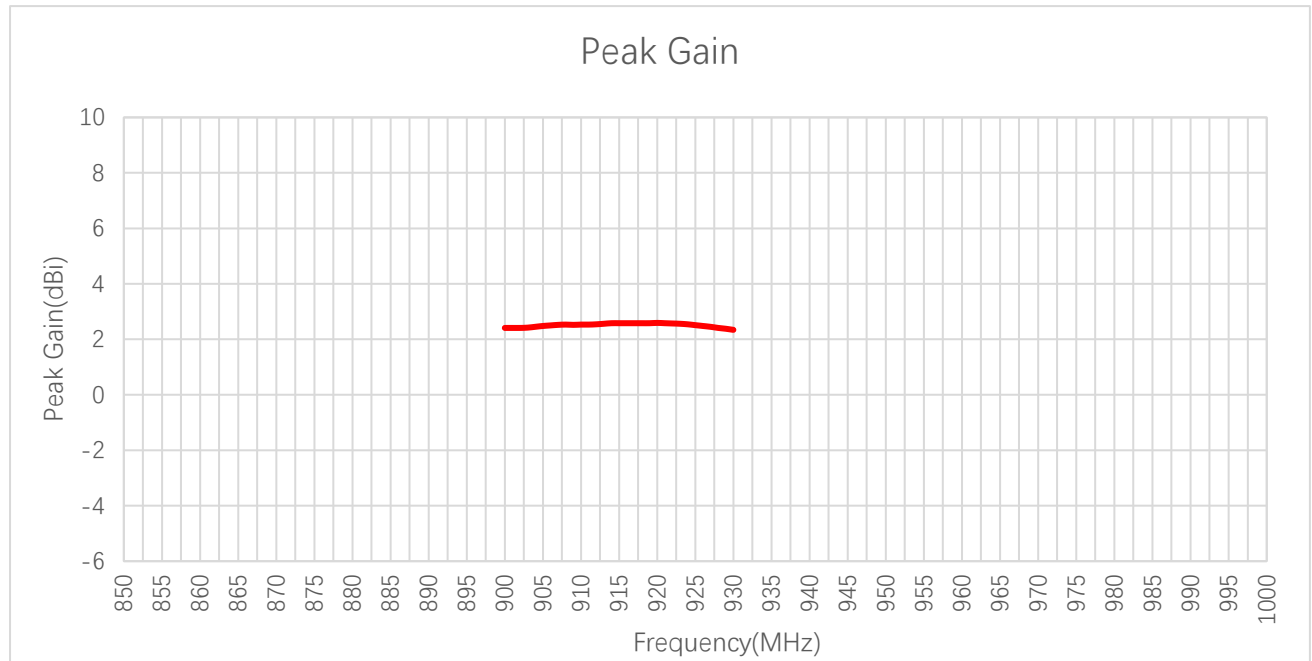
3.2.1. Efficiency



Efficiency (%)

Frequency (MHz)	600	630	710	900	915	920	930	1710	1740	1880
Efficiency (%)	-	-	-	69.6	72.4	72.2	71.2	-	-	-

3.2.2. Peak Gain

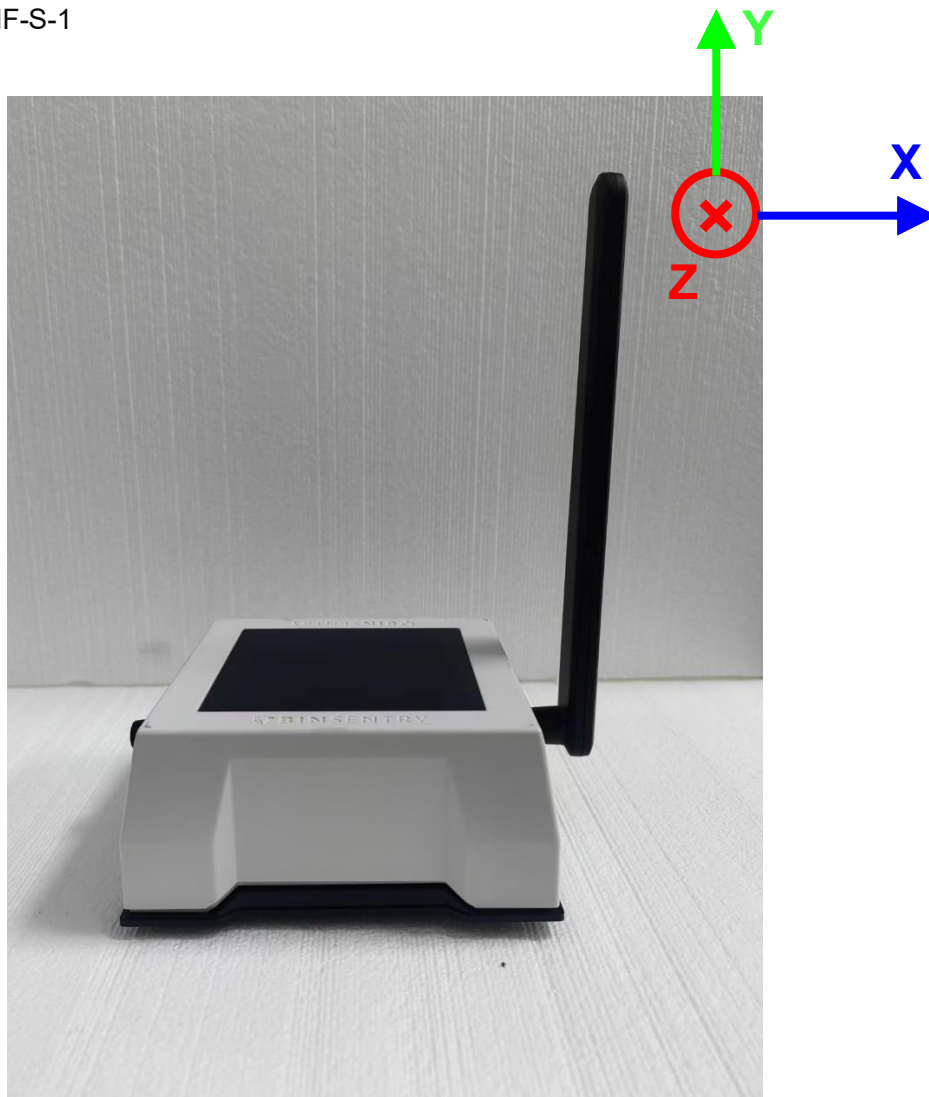


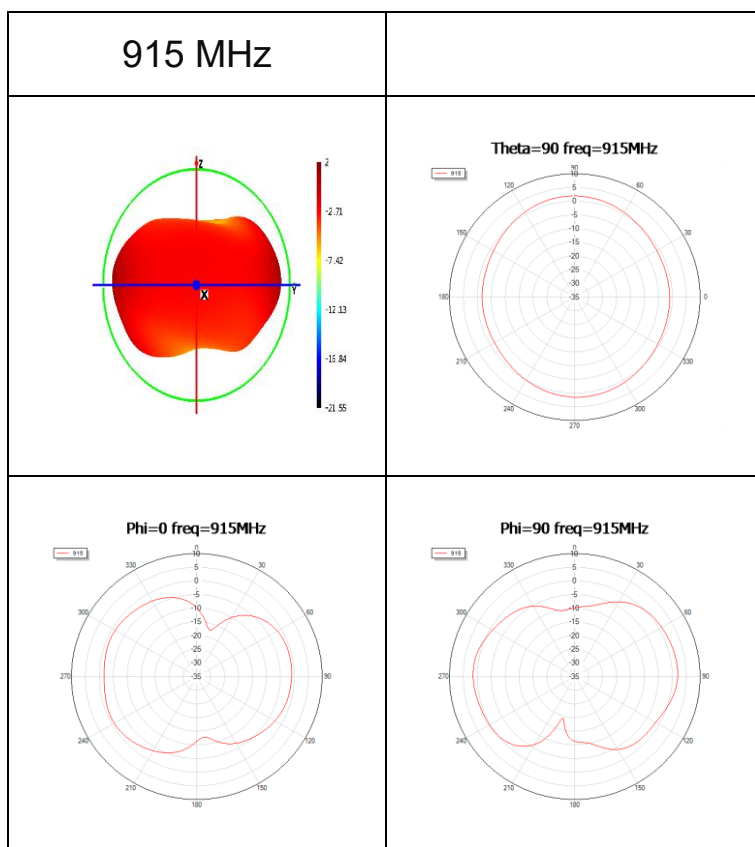
Peak Gain (dBi)

Frequency (MHz)	600	630	710	900	915	920	930	1710	1740	1880
Peak Gain (dBi)	-	-	-	2.4	2.6	2.6	2.3	-	-	-

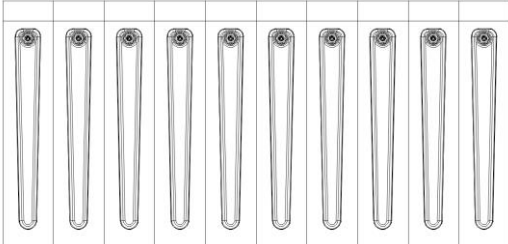
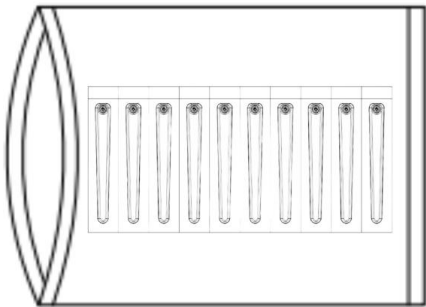
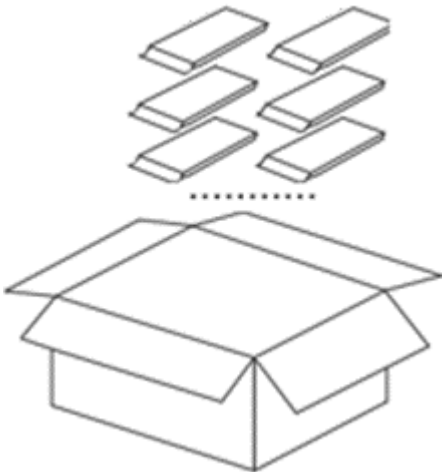
3.2.3. 2D Radiation Pattern

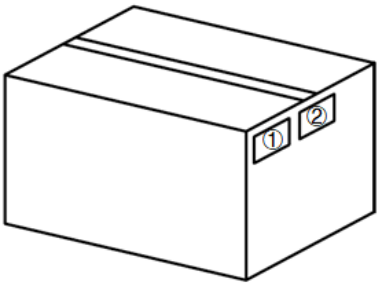
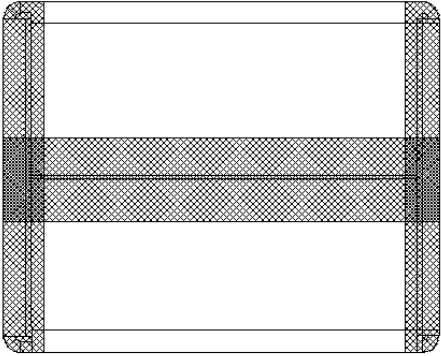
- Test Condition: Assembled in test device
- Test Chamber: HF-S-1





4 Packaging

Step	Packaging Picture / 2D Picture	Description
1		10 Antenna products in a One-piece bag Every 5 pieces of products have their wiring harnesses wrapped with EPE foam
2		10 antenna products in a PE bag. (10 Antennas / PE Bag)
3		(6 PE Bags / Carton Box) (60 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 = 325 × 325 × 200 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
-	2026-05-26	Raoul Rao/ Bailey Zhang/ Caius Zhang/ Rainey Liao	Creation of the document
1.0	2026-05-26	Raoul Rao/ Bailey Zhang/ Caius Zhang/ Rainey Liao	First official release



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