Product Specifications Approval

Derweimar Antenna Laboratory

Shenzhen R&D Center

Mobile communication terminal antenna

Customer Name:	Almu		nu 			
Product Name:	Rod Antenna					
Material Code:	XD-FL-00796					
	Contractor Date: February 18, 2025					
Radio Frequency		structure	ıre Audit		quality	
Qin Qiuming		Chen Yusong	余奇学		高春彦	
Customer side Date: Year Month Day					ear Month Day	
in conclusion		Confirmed b	Confirmed by		Reviewer	

Address: 3rd Floor, Building 1, Youyi Building, No. 23, Chuangye 2nd Road, Baoan District, Shenzh

(Behind Ping An Bank, Exit B of Honglang North Subway Station)

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1. Purpose

To standardize the specifications and test methods of mobile communication terminal antenna products produced by Shenzhen Deweima Communication Equipment Co., Ltd.

Avoid errors caused by different testing conditions and methods.

2. Overview of product categories and product models

2.1 Category

This mobile communication terminal antenna is a Rod Antenna

2.2 Product model overview

This report summarizes the electrical results for the antennas designed as part of the Dual Band Antenna Project.

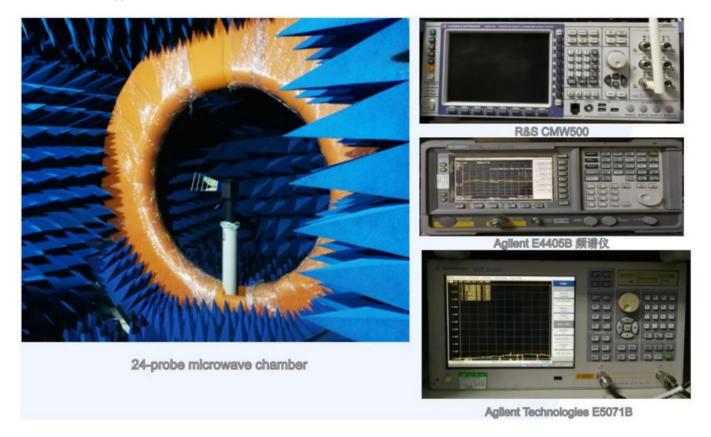
The design frequency band of this antenna is: 902~928MHz, 2400~2500MHz.

3. Technical indicators and instruments

3.1 Technical indicators

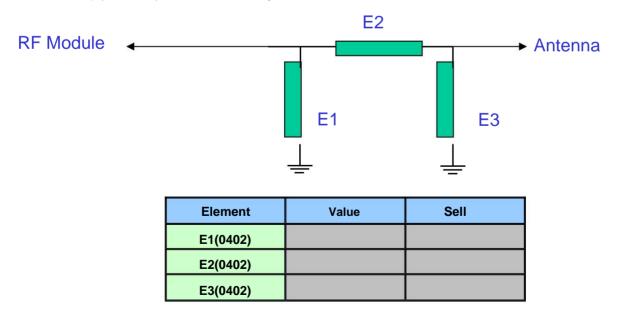
3.1 Technical indicators						
Product electrical performance indicators						
Operating frequency range	902~928MHz/2400~2500MHz					
VSWR	902~928MHz/2400~2500MHz < 2.0					
Antenna gain	902~928MHz :1.35dBi 2400~2500MHz :1.35dBi					
Radiation efficiency	902~928MHz/2400~2500MHz>50%					
impedance	50 ohm					
Product Material Description						
Coaxial cable+terminal						
Product Environmental Description						
Operating temperature	- 30ÿC ~ + 85 ÿC					
Storage temperature	- 30ÿC ~ + 85 ÿC					

3.2 Instruments and Equipment

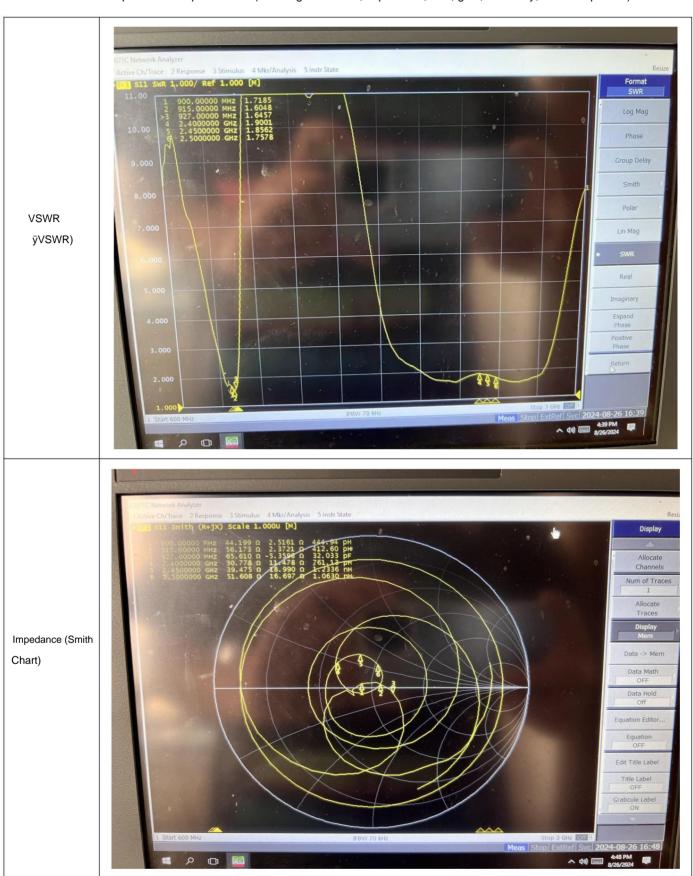


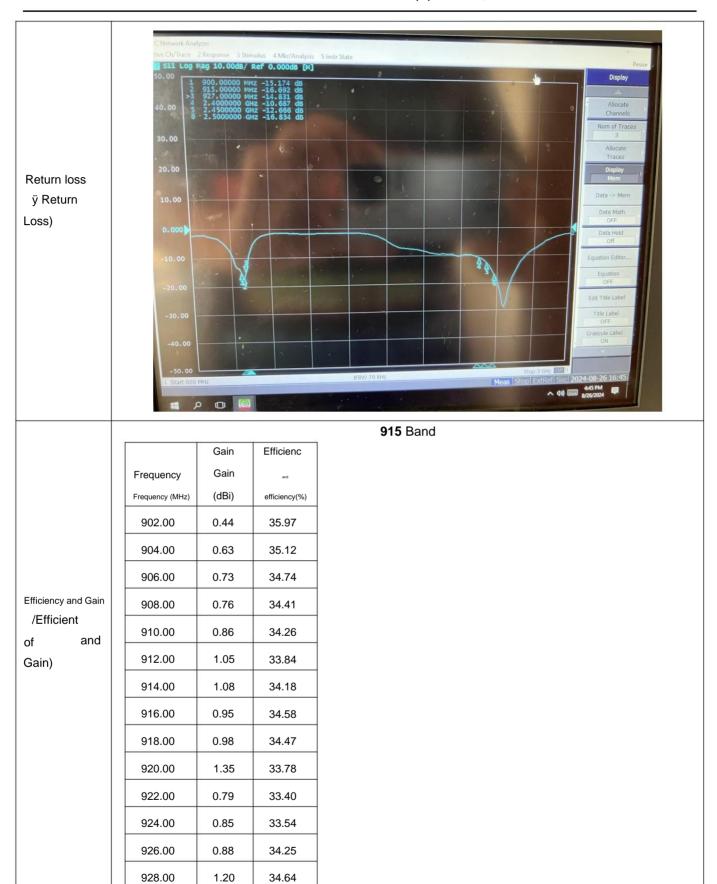
4. Matching circuit description:

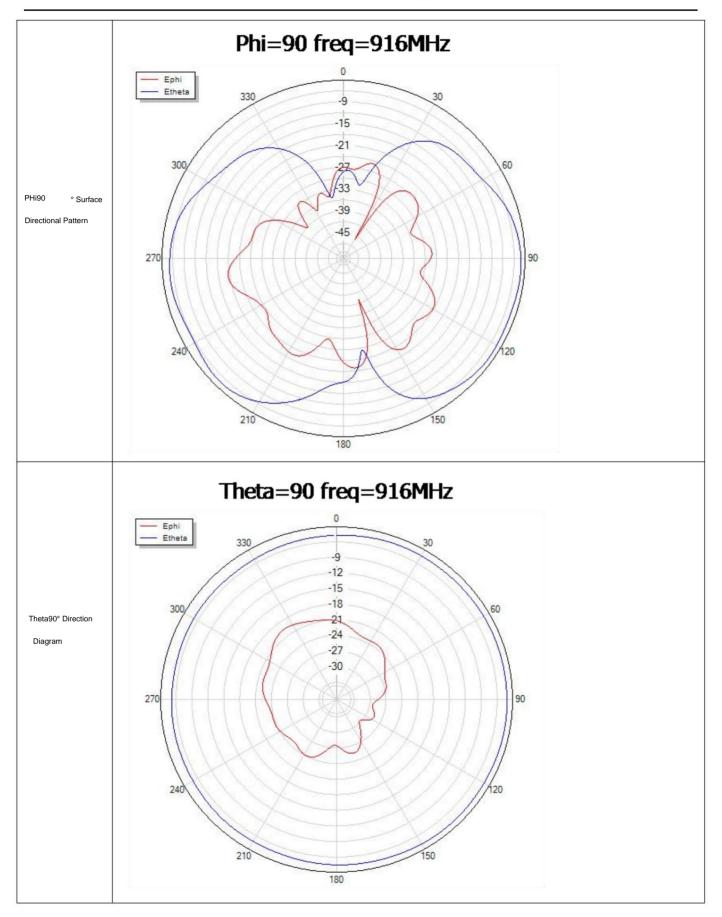
Our company has not made any modifications to the antenna matching circuit.

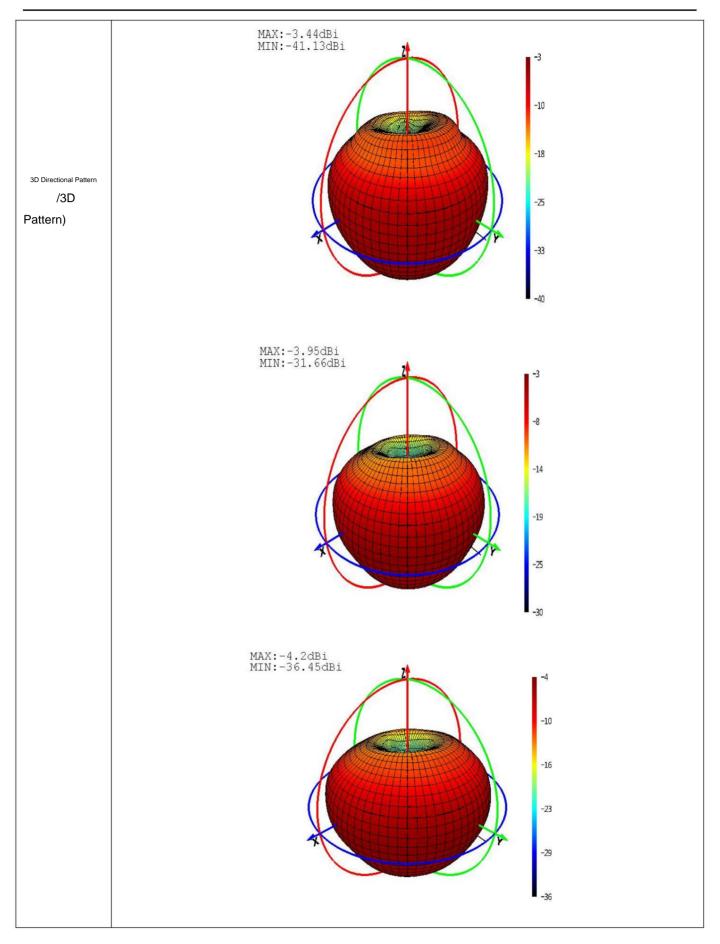


5. Antenna electrical performance parameters (standing wave ratio, impedance, loss, gain, efficiency, radiation pattern)

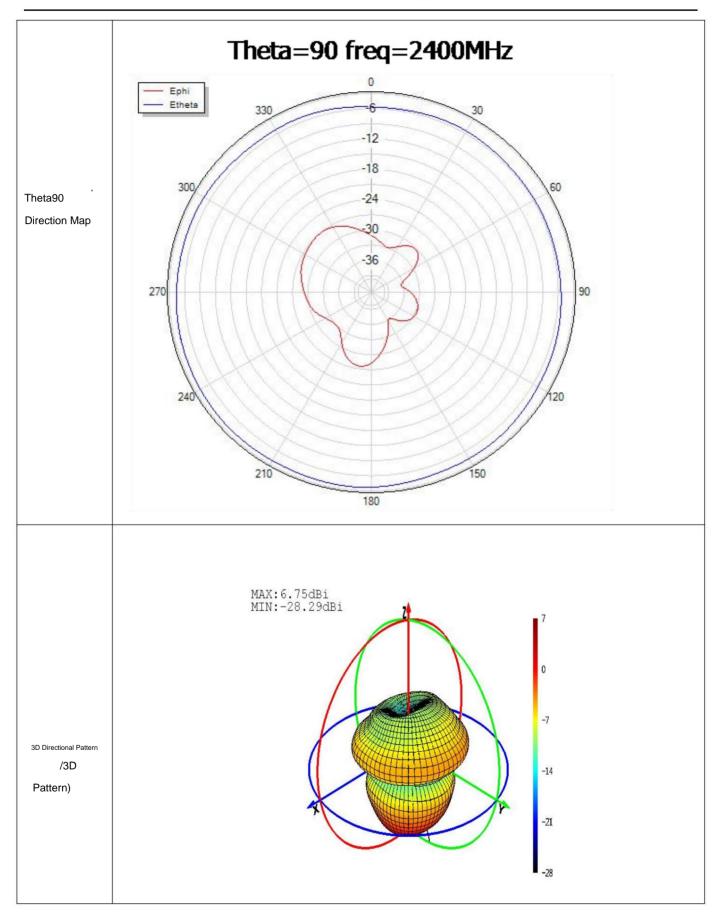


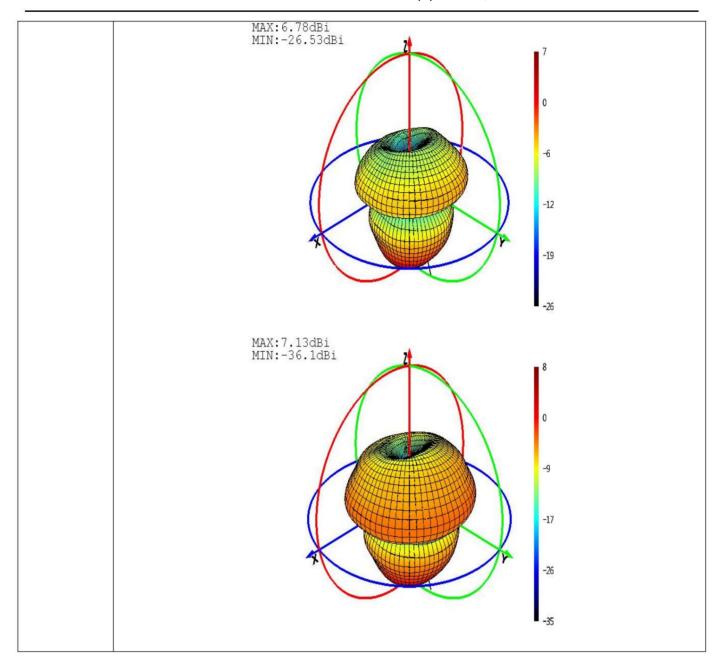




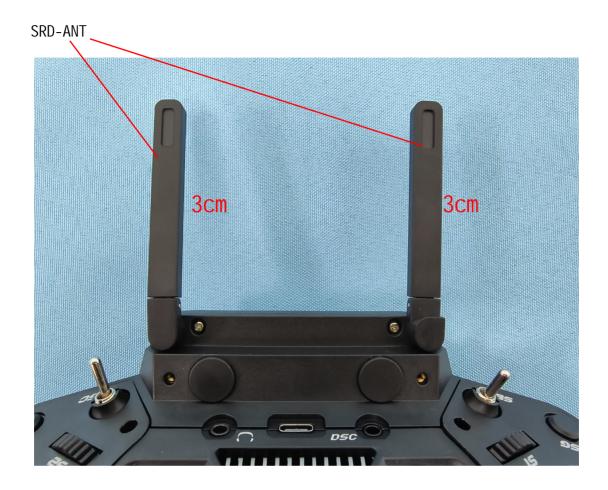


2.4G frequency band Frequent Efficienc of Gain Gain(dBi) (MHz) efficiency(%) 2400.00 0.75 55.12 2410.00 0.85 56.46 Efficiency and Gain 2420.00 0.93 56.44 /Efficient cy and 2430.00 0.59 53.99 Gain) 2440.00 0.90 56.77 2450.00 0.78 55.25 1.35 2460.00 58.23 2470.00 1.04 59.84 2480.00 60.36 1.21 2490.00 1.20 60.45 2500.00 1.13 58.27 Phi=90 freq=2400MHz - Ephi - Etheta 330 -3 -9 -15 33 PHi90° surface Direction diagram





6. Product pictures:



7.Packing met o:

Shipped in bags.