



产品规格书

PRODUCT SPECIFICATION

Customer:

Customer's part number:

Product description: 2.4G-5.8G Terminal Antenna

Uni Link's part number: JBSP0006

Issue Date: 2024.8.17

Customer:				
客户确认	核对	审查	核准	承认日期
Customer Approval				
Provider:				
供应商确认	制作	审核	核准	制作日期
Provider Approval	谢春发	刘景雄	王飞	2024.8.17

1、技术指标（PRODUCT TECHNICAL SPECIFICATION）



电性能指标 Electrical Specifications	
频率范围 Frequency Range (MHz)	2400-2500/5150-5850
频带宽度 Bandwidth (MHz)	100/700
输入阻抗 Input Impedence (Ω)	50
电压驻波比 V.S.W.R	≤ 1.5
增益 Gain (dBi)	3dbi（未匹配设备，仅供参考）
极化形式 Polarization Type	垂直 Vertical
功率容量 Power Capacity (w)	50
机械指标 Mechanical Specifications	
天线长度 Antenna Length (mm)	Ø110mm
辐射体 Radiator	铜 Cuprum
连接器型号 Connect Type	
工作温度 Working Temp($^{\circ}\text{C}$)	$-35^{\circ}\text{C} \sim 75^{\circ}\text{C}$
外壳颜色 Radome Color	黑色 Black
重量 Weight (g)	10g

2、产品图片（PRODUCT PICTURE）



3、测试数据（TEST REPORT）

4.1：驻波比图





Figure 10 consists of four subplots showing the performance of the proposed algorithm across different parameters. The x-axis for all plots represents the parameter value, ranging from 2400.0 to 9900.0.

- Top Plot:** Efficiency (%) (red line with circles) and MaxMin (magenta line with circles). Efficiency starts at approximately 85% and fluctuates between 65% and 80%. MaxMin starts at approximately 85% and drops to approximately 65% around 9000.0.
- Second Plot:** Gain (dB) (red line with circles) and Efficiency (dB) (magenta line with circles). Gain starts at approximately 2.2 dB and fluctuates between 2.0 dB and 3.8 dB. Efficiency starts at approximately -1.0 dB and fluctuates between -1.5 dB and -0.5 dB. A shaded yellow region is present between approximately 1.7 dB and 4.0 dB.
- Third Plot:** Efficiency ThetaPol (%) (red line with circles) and Efficiency PhiPol (%) (blue line with circles). Efficiency ThetaPol starts at approximately 75% and fluctuates between 55% and 75%. Efficiency PhiPol starts at approximately 10% and fluctuates between 5% and 15%.
- Bottom Plot:** Upper Hem. Efficiency (%) (red line with circles) and Lower Hem. Efficiency (%) (blue line with circles). Upper Hem. Efficiency starts at approximately 45% and fluctuates between 35% and 50%. Lower Hem. Efficiency starts at approximately 40% and fluctuates between 25% and 35%.











