

	Date 11/21/2021	Version No. V2.0
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深圳市榕盛源科技有限公司
Shenzhen RSYElectronic Technology Co., Ltd

产品规格书
PRODUCT SPECIFICATION

客户 Customer	M5
客户编码 Customer's part number	
产品料号 Product Material Code	RSY-E5018
工作频段 Working Band	868/915MHz
发行日期 Issue Date	2025-11-21
发行版本 Release Version	V2.0
作者 Author	Yang Ye

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1 产品技术指标 (PRODUCT TECHNICAL SPECIFICATION)

产品名称 Name	Lora天线	型号 Model Type	RSY-E5018
频率范围 Frenquency Range	868-915MHZ	尺寸 Dimensions	108±2mm
驻波比 VSWR	<2.5	连接器型号 Connector	SMA 内螺内孔
平均增益 Gain	≥ 3 dBi	外壳材料 Radome Material	TPEE
输入阻抗 Impedance	50欧姆	外壳颜色 Radome Color	黑色
极化方式 Polarization	垂直极化	电缆型号/高度 Cable Length	
辐射方向 Radiaton	全向	工作温度 Working Temperature	-40℃- +80℃

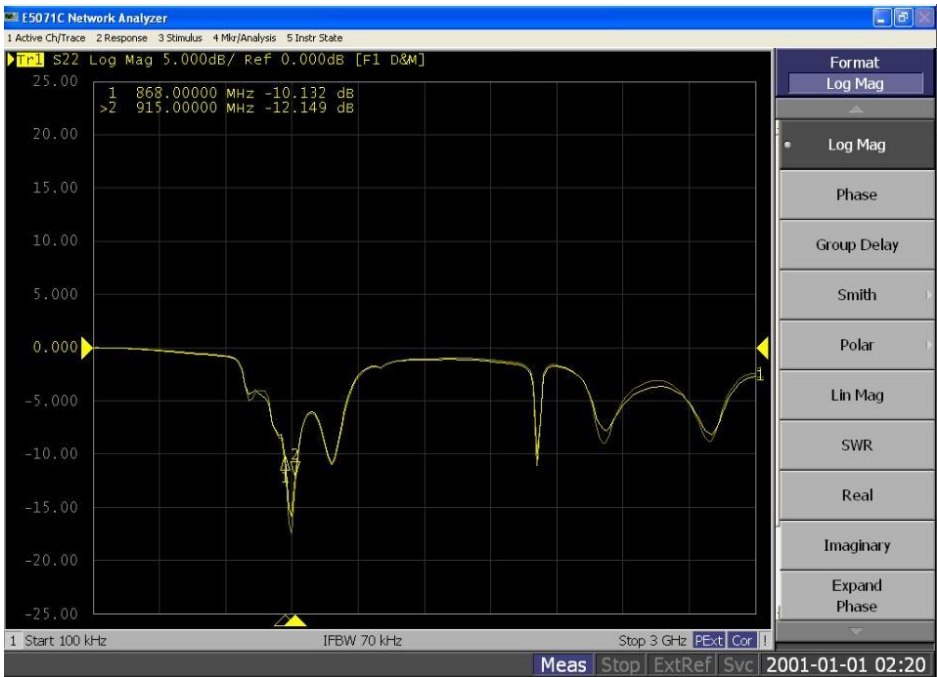
2 产品电性能参数 (PRODUCT ELECTRICAL PERFORMANCE PARAMETER)

1. 产品图片 (Product picture)

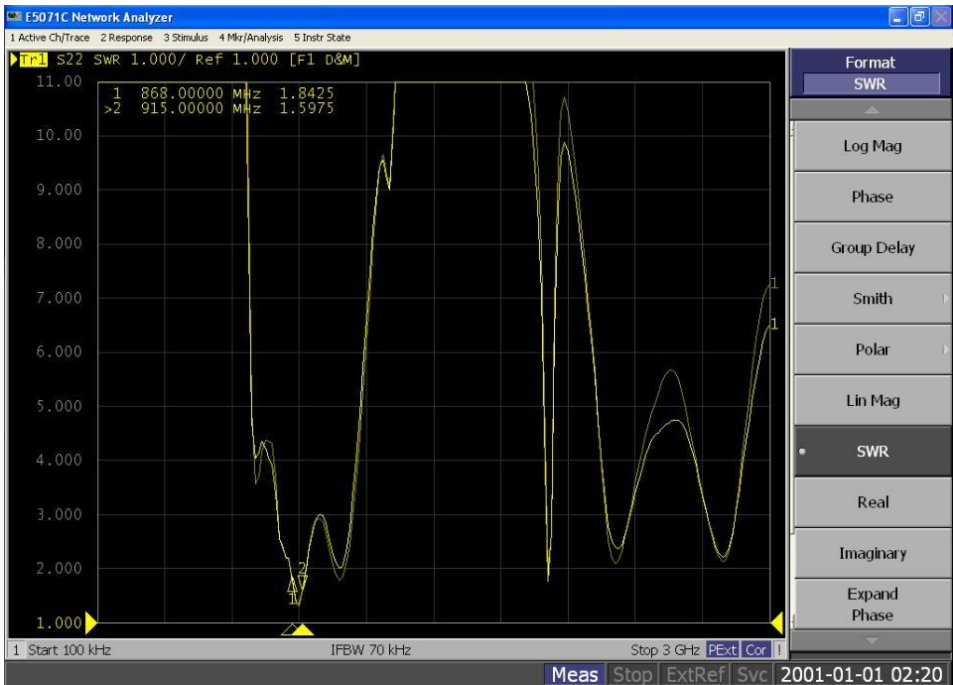


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2.2 反射损耗 (S11)



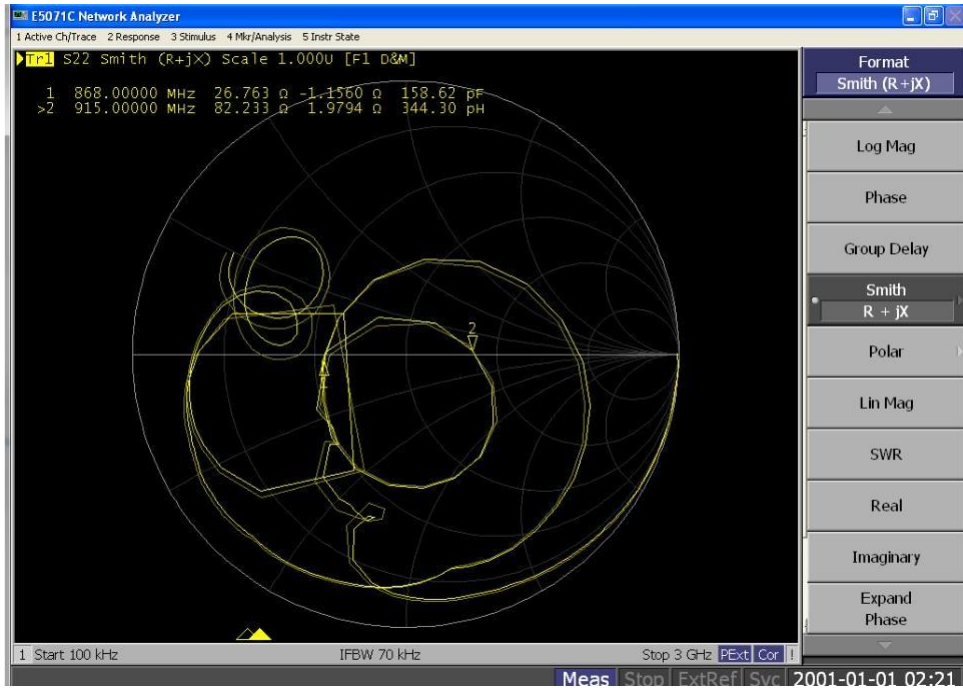
2.3 驻波比 (VSWR)



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2.4 史密斯图 (Smith Chart)

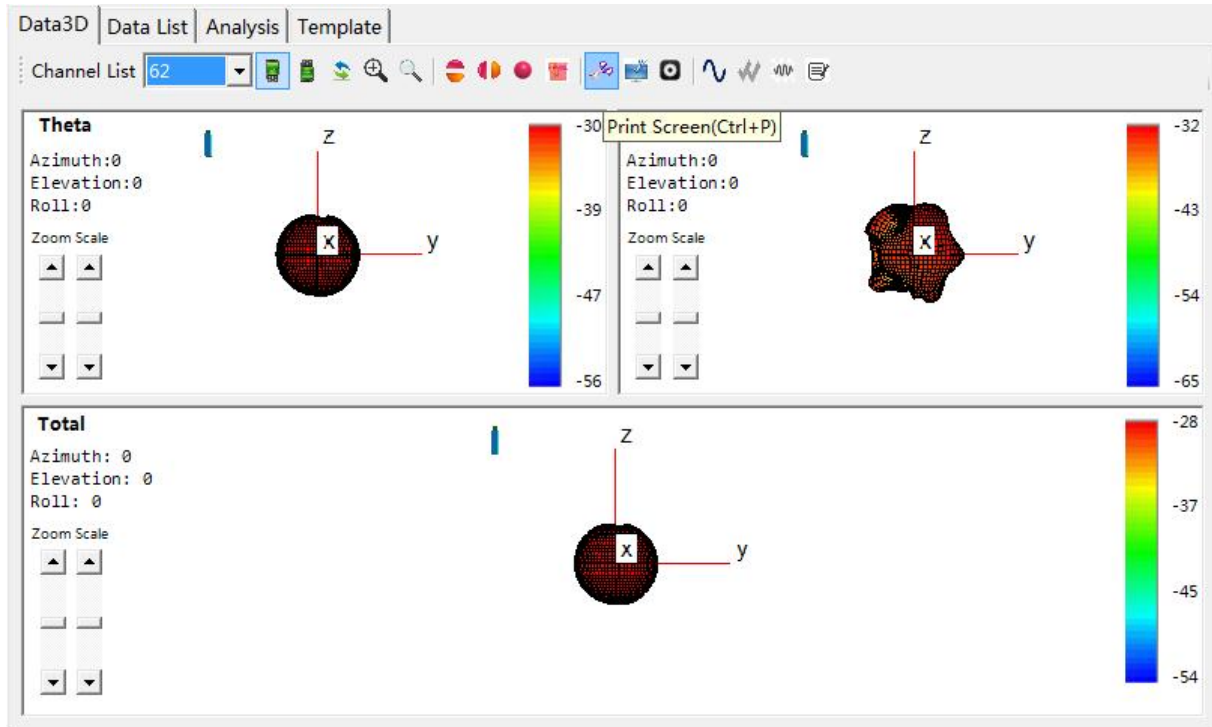


2.5 效率、增益 (Efficiency/Gain)

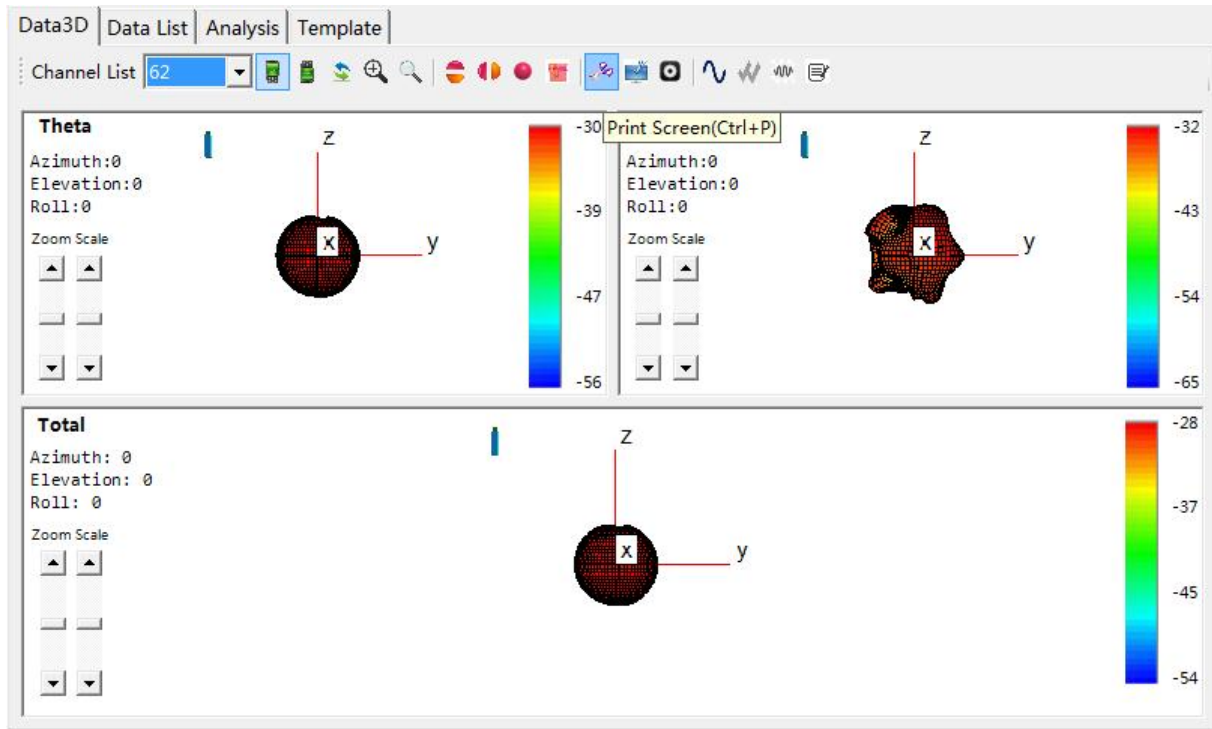
Fre. (MHz)	Gain. (dBi)	Eff. (%)
860	2.89	51.38
870	3.54	55.72
880	3.38	72.75
890	2.8	66.13
900	3.06	62.17
910	3.08	61.9
920	2.14	61.09

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2.6 辐射方向图 (Radiation Pattern)



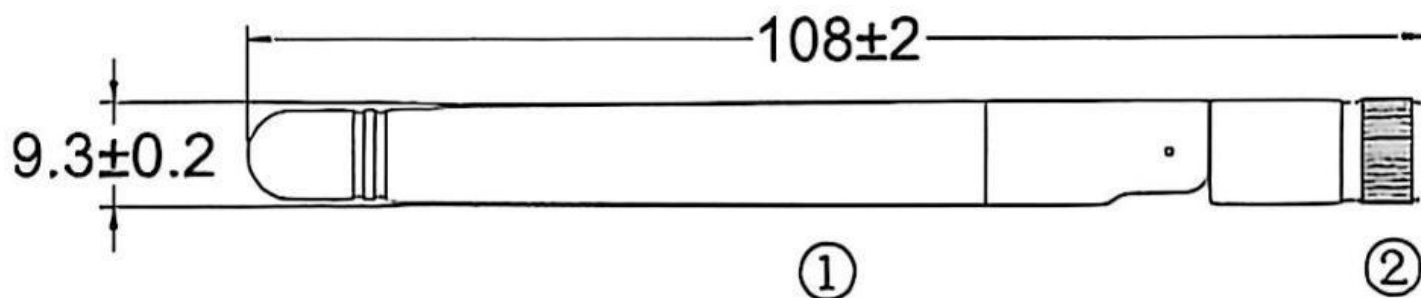
868MHz



915MHz

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3 产品尺寸 (Product dimensions)



Unit: mm