

	Date 02/01/2026	Version No. V2.0
--	-----------------	------------------

深圳市榕盛源科技有限公司
Shenzhen RSYElectronic Technology Co., Ltd

产品规格书
PRODUCTSPECIFICATION

客户 Customer	M5
客户编码 Customer's part number	
产品料号 Product Material Code	RSY-E5032
工作频段 Working Band	315MHz
发行日期 Issue Date	2026-02-01
发行版本 Release Version	V2.0
作者 Author	Yang Ye

	Date 02/01/2026	Version No. V2.0
--	-----------------	------------------

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	315MHZ	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	≥ -3.01	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℃

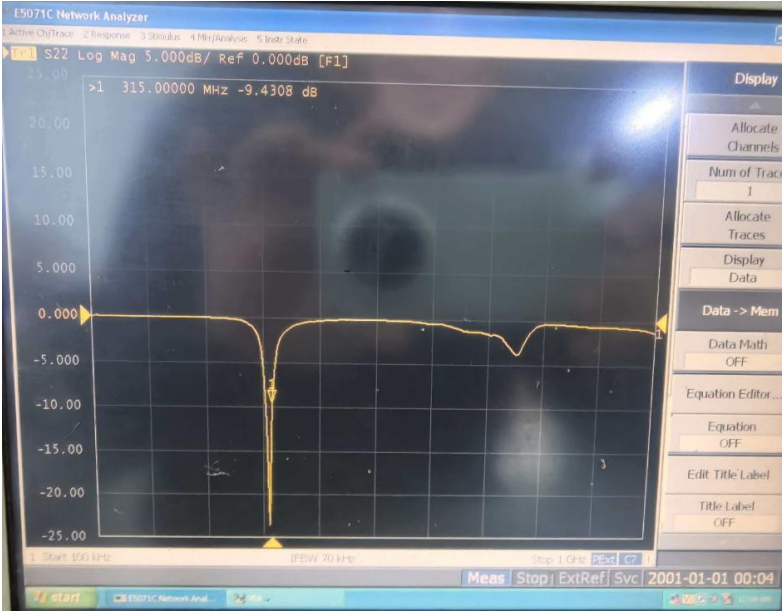
2 产品电性能参数 (PRODUCT ELECTRICAL PERFORMANCE PARAMETER)

1. 产品图片 (Product picture)

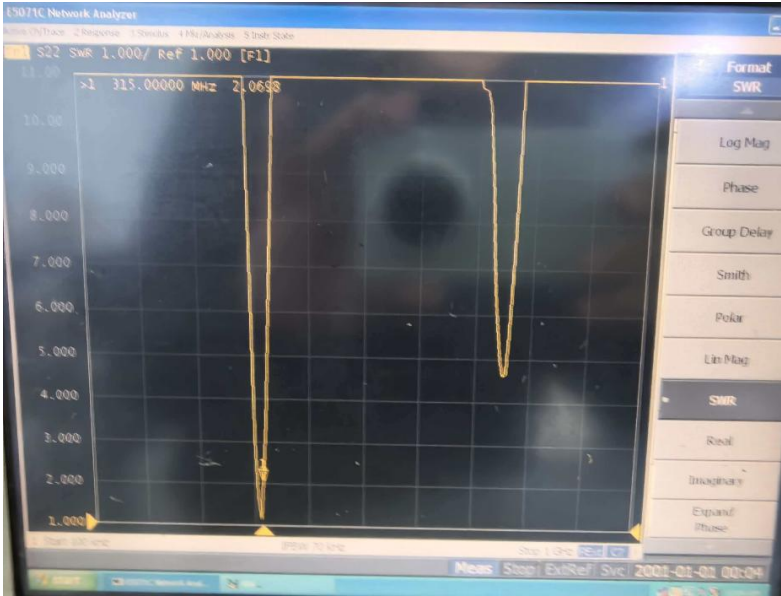


	Date 02/01/2026	Version No. V2.0
--	-----------------	------------------

2.2 反射损耗 (S11)



2.3 驻波比 (VSWR)

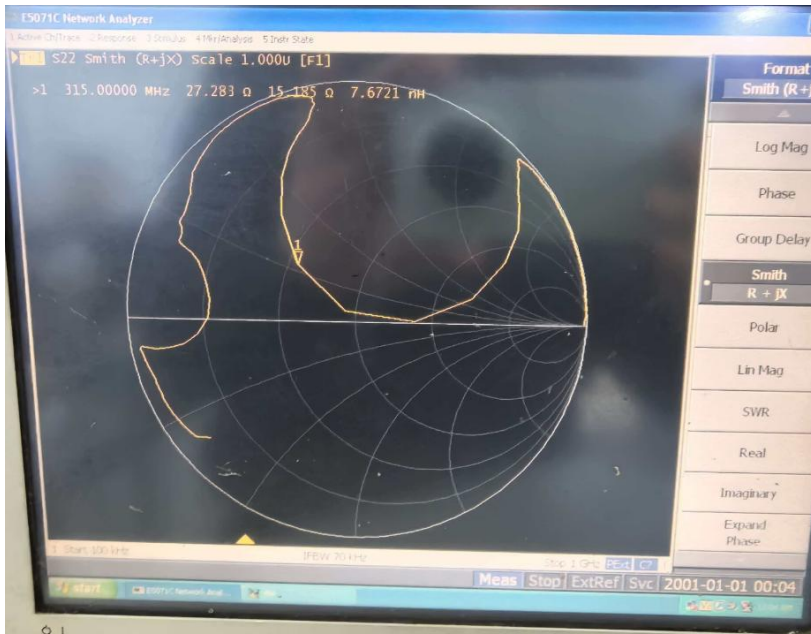


Fre. (MHz)	VSWR
315	2.06

*

	Date 02/01/2026	Version No. V2.0
--	-----------------	------------------

2.4 史密斯图 (Smith Chart)

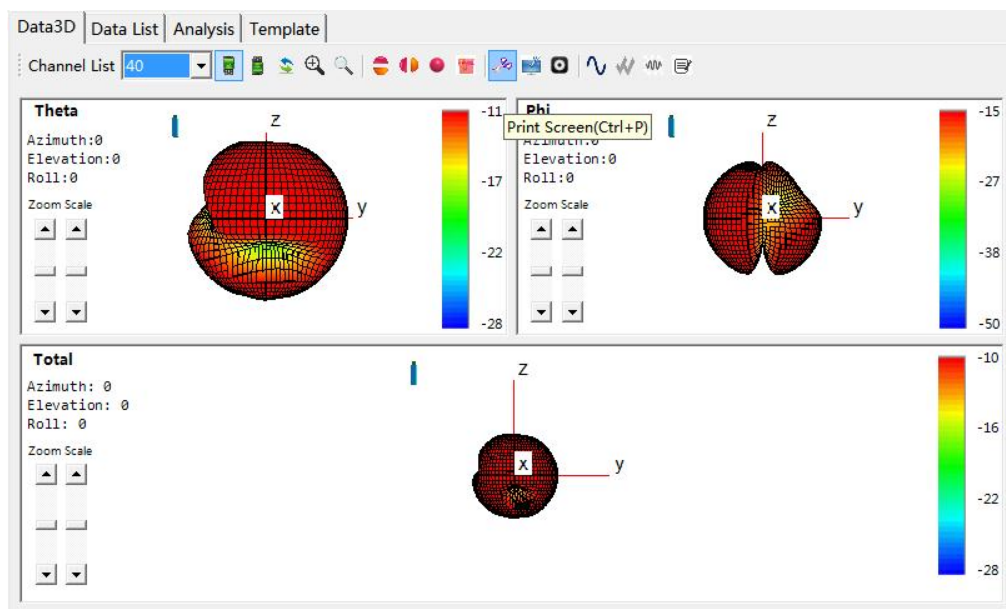


2.5 效率、增益 (Efficiency/Gain)

Freq	Avg (Gain)	VSWR	Efficiency_Pcent
310	-2.93	1.871369	20.15
315	-3.13	1.143755	21.37
320	-2.86	2.412261	18.92

	Date 02/01/2026	Version No. V2.0
--	-----------------	------------------

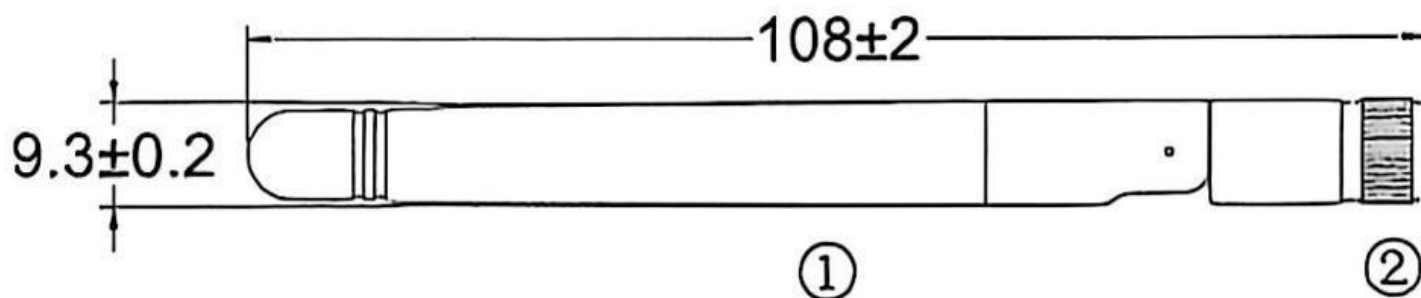
2.6 辐射方向图 (Radiation Pattern)



315MHz

	Date 02/01/2026	Version No. V2.0
--	-----------------	------------------

3 产品尺寸 (Product **dimensions**)



Unit: mm