

	Date01/04/2026	Version No.V1.0
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深圳市榕盛源科技有限公司
Shenzhen Rongshengyuan Technology Co., Ltd

产品规格书
PRODUCT SPECIFICATION

客户 Customer	SVV
客户编码 Customer's part number	
产品料号 Product Material Code	RSY-HNKZY-BLE2025B01
工作频段 Working Band	2400-2500MHz;5000-6000MHz
发行日期 Issue Date	2026-01-04
发行版本 Release Version	V1.0
作者 Author	Yang Ye

	Date 01/04/2026	Version No. V1.0
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1 产品技术指标 (PRODUCT TECHNICAL SPECIFICATION)

电性能指标 Electrical Specifications	
频率范围 Frequency Range (MHz)	2400-2500MHz;5000-6000MHz
输入阻抗 Input Impedence (Ω)	50
电压驻波比 VSWR	<2.5
增益 Peak Gain (dBi)	≤ 3.61 dBi
极化形式 Polarization Type	垂直极化 Vertical
辐射方向 Radiaton	Omnidirectional

机械指标 Mechanical Specifications	
天线长度 Antenna Length (mm)	41.7mm*12mm
连接方式 Connection Mode	IPEX1+1.13 cable
工作温度 Operatin Temp ($^{\circ}\text{C}$)	-40 $^{\circ}\text{C}$ - +80 $^{\circ}\text{C}$
储存温度 Storing Temp($^{\circ}\text{C}$)	-40 $^{\circ}\text{C}$ - +80 $^{\circ}\text{C}$
天线颜色 ANT Color	Black
天线材料 ANT Material	Rolled Copper

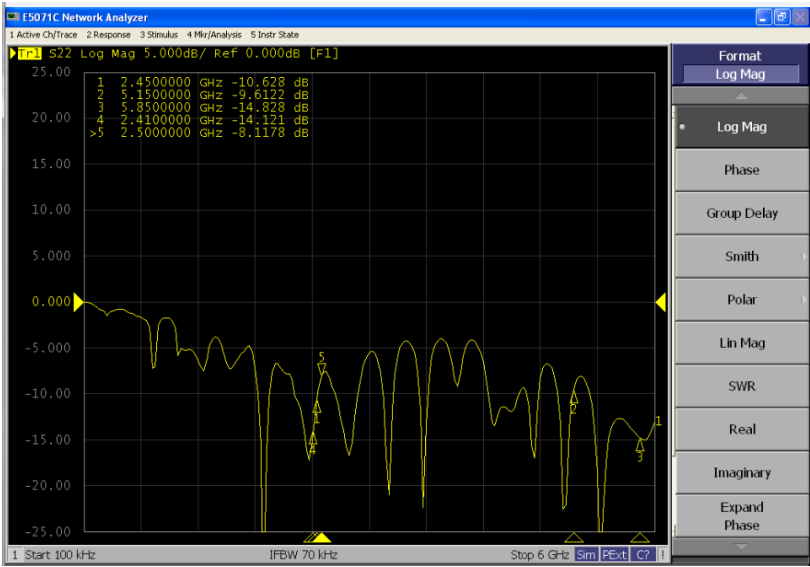
2 产品电性能参数 (PRODUCT ELECTRICAL PERFORMANCE PARAMETER)

1. 产品图片 (Product picture)

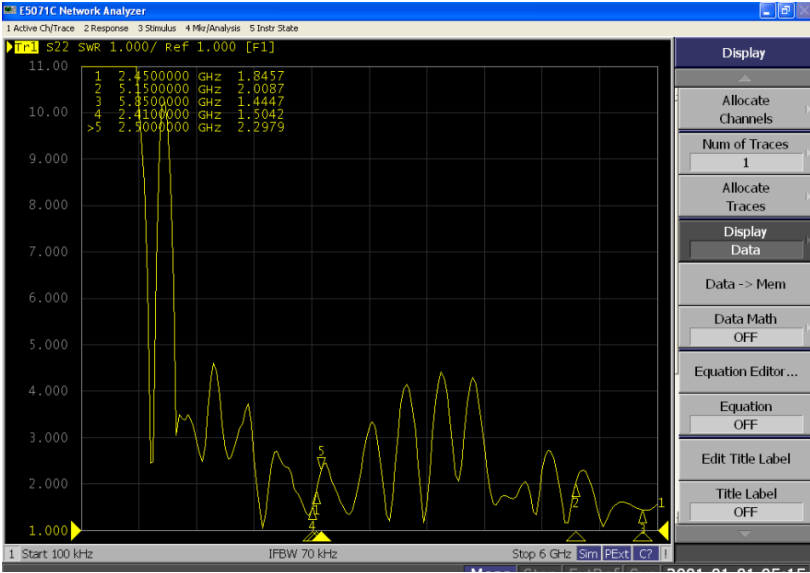


	Date01/04/2026	Version No.V1.0
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2.2 反射损耗（S11）



2.3 驻波比 (VSWR)



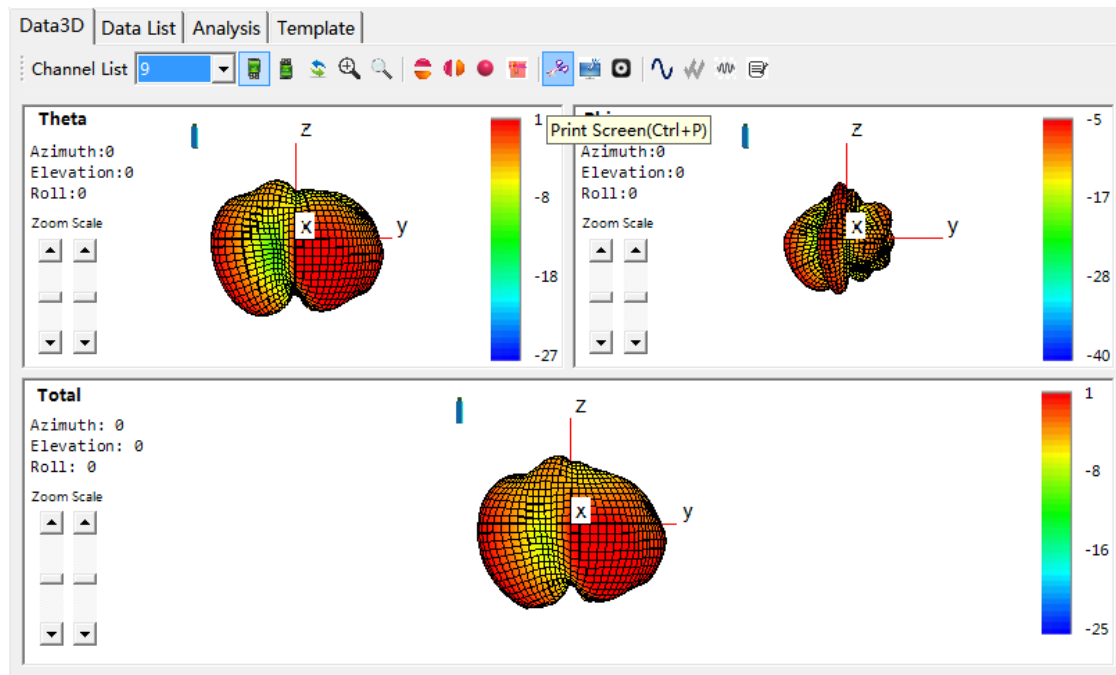
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	Date01/04/2026	Version No.	V1.0
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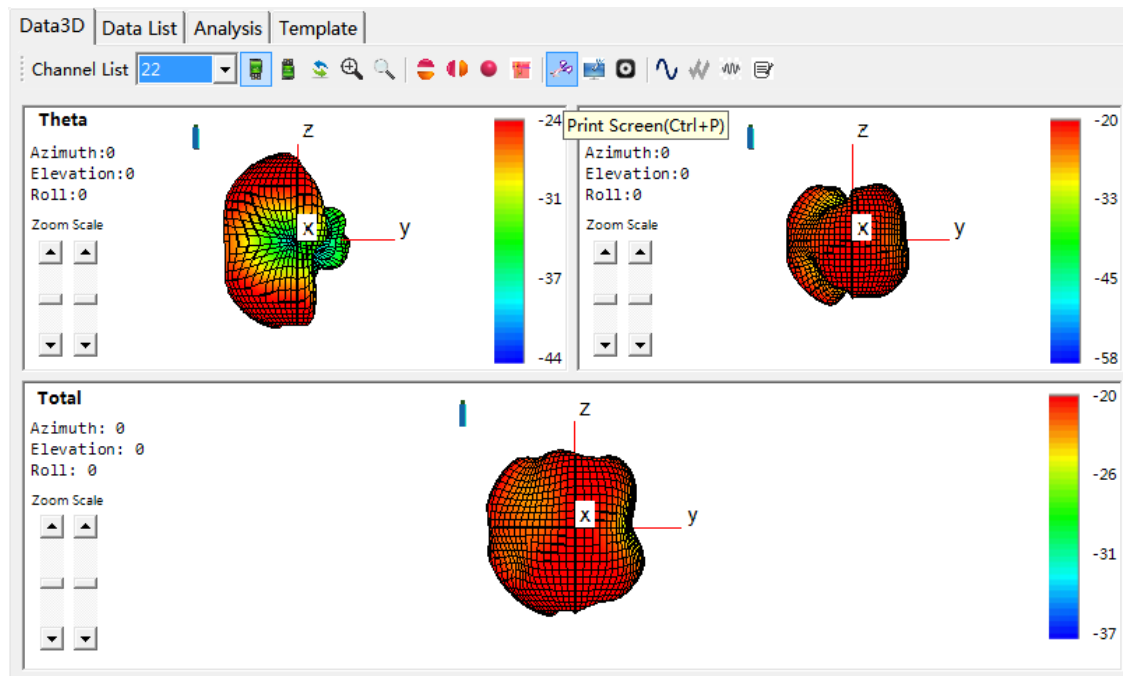
2.4 效率、增益 (Efficiency/Gain)

Freq (MHz)	Gain (dBi)	Efficiency_dB	Efficiency_Pcent
2400	3.55	-3.48	44.85
2410	3.61	-3.04	49.61
2420	3.03	-3.54	44.21
2430	2.36	-3.86	41.11
2440	2.48	-3.60	43.65
2450	2.64	-3.27	47.14
2460	2.53	-3.24	47.45
2470	2.23	-3.39	45.81
2480	1.95	-3.28	47.03
2490	2.03	-3.18	48.08
2500	2.21	-3.27	47.10
5150	2.87	-3.27	47.12
5250	3.05	-3.16	48.27
5350	3.29	-2.96	50.63
5450	2.91	-3.27	47.07
5550	2.97	-3.21	47.76
5650	3.46	-3.14	48.52
5750	3.08	-3.23	47.50
5850	2.58	-3.13	48.59
5950	3.15	-2.84	52.04
6050	3.46	-2.86	51.80

2.5 方向图 (Radiation)



2.4 GHz



5 GHz

