

1. Antenna Specification/天线标准

Antenna Specification/天线技术参数

Electrical Specification/电气特性

Item/目录	Specification/规格	Comment /备注
Freq. Range/频段范围	902MHz-928MHz	
Impedance/阻抗	50 (Ω)	
Directional/辐射方向	Omni Directional	
Polarization/极化形式	Vertical	
VSWR/驻波比	$\leq 2/\leq 4$	
Peak Gain/峰值增益	-0.22 dBi	
Total Efficiency/无源效率	33%/26%	
Test condition/测试条件	passive test (无源测试)	

Mechanical Specification/机械指标

Antenna type/天线类型	内置天线	
Connector Type/连接器类型	N/A	
RF Cable Type/射频线型号	N/A	
Salt Spray/盐雾测试	48(H)	

Environmental Specification /环境指标

Operating temp/工作温度	-40°C ~ +80°C	
Storage temp/存储温度	-40°C ~ +85°C	

Antenna Picture/天线图片



插入天线图片

此处

2. DWG/工程图纸



**ELECTRIC
CONNECTOR
TECHNOLOGY**

Product Specification

P/N:

81800VXX1

Rev.:

X1

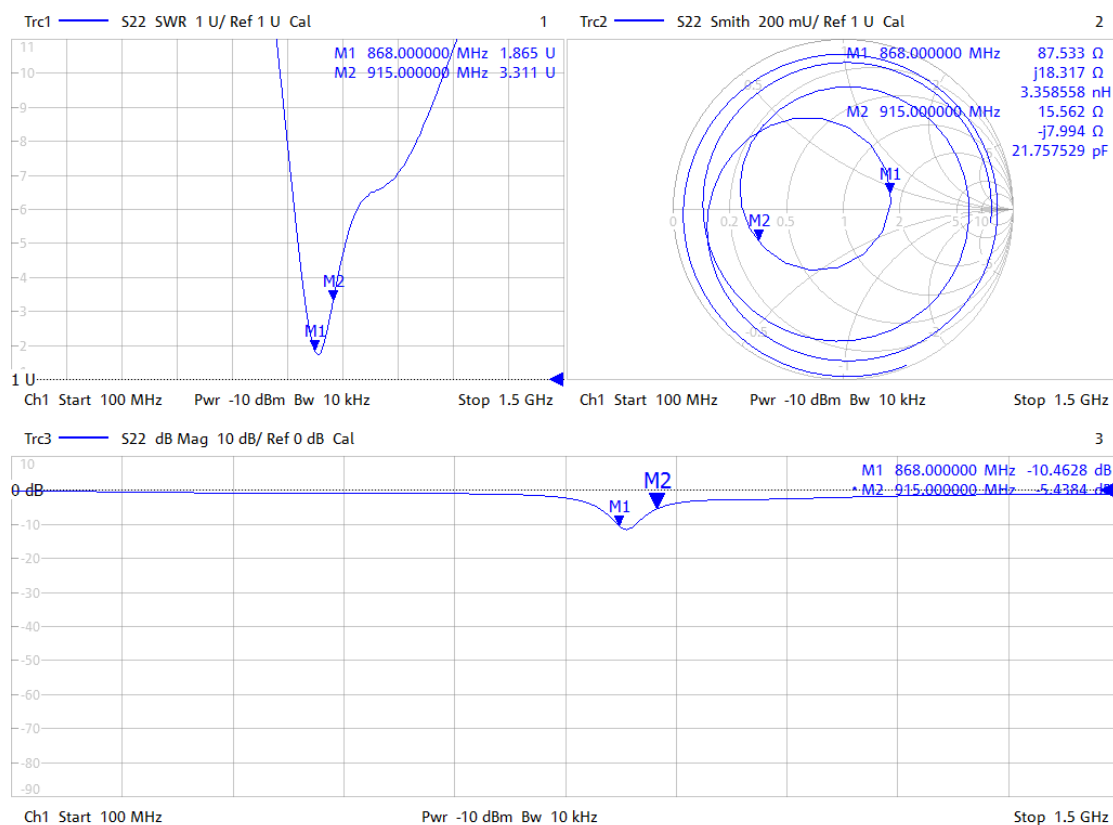
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海样规格书

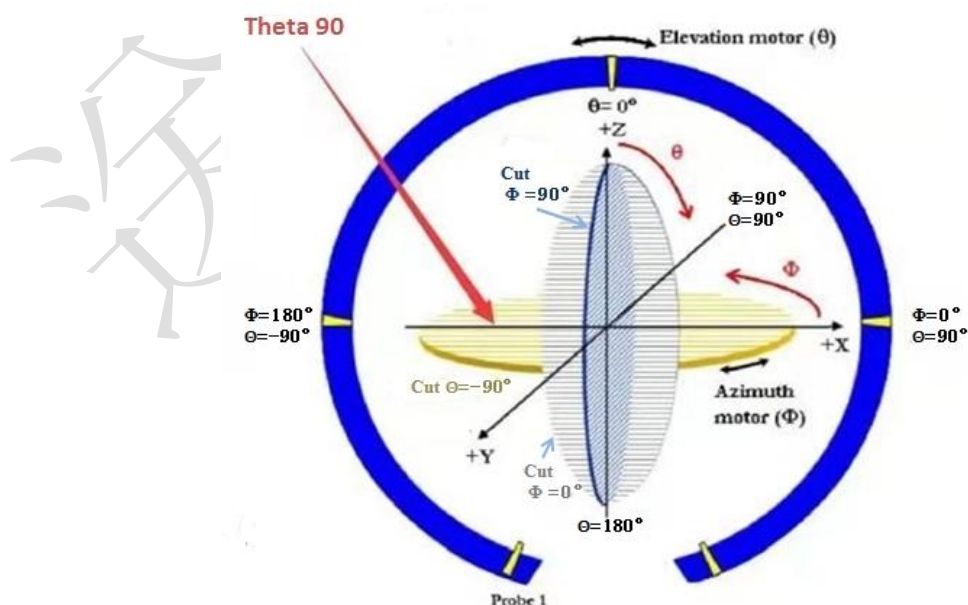
4. Antenna test result/测试结果

4.1 Isolation degree/ VSWR/驻波比

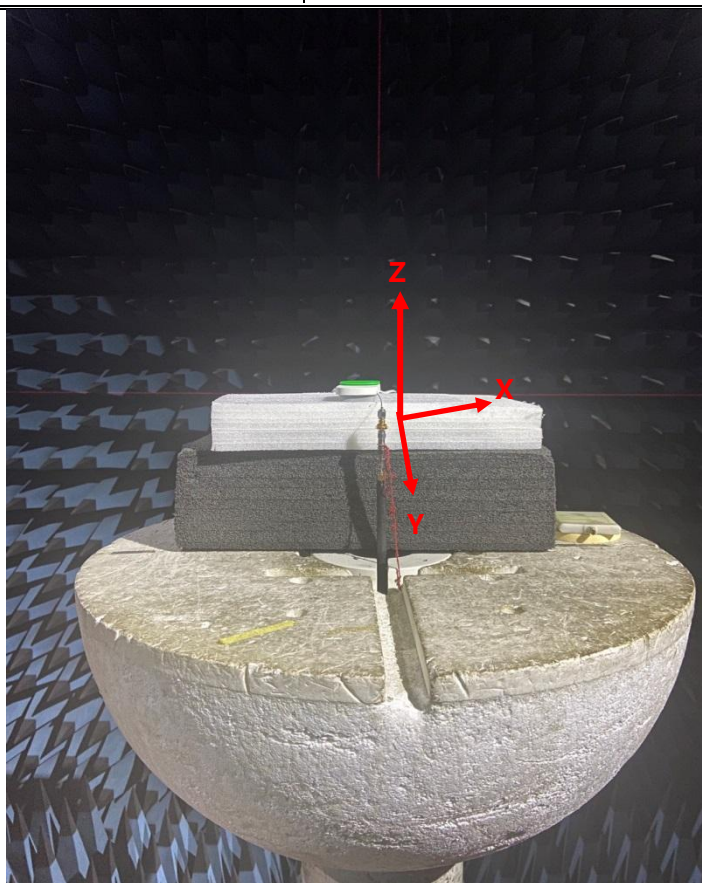


4.2 The gain and total efficiency test/增益和效率测试

4.2.1 The definition of coordinate system/坐标系定义-Satimo SG24



The coordinate system of Chamber/暗室坐标系



The production test position/天线测试放置位置

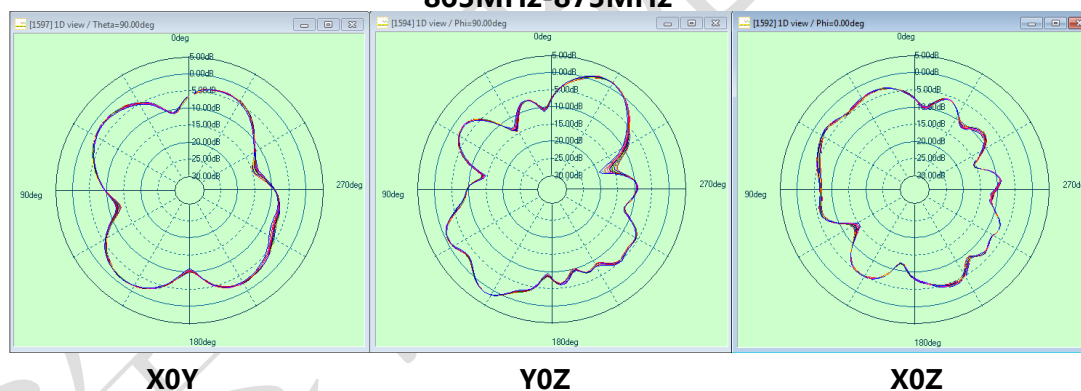
4.2.2 The test result of total efficiency and total gain/天线效率及增益测试结果

910MHz-920MHz

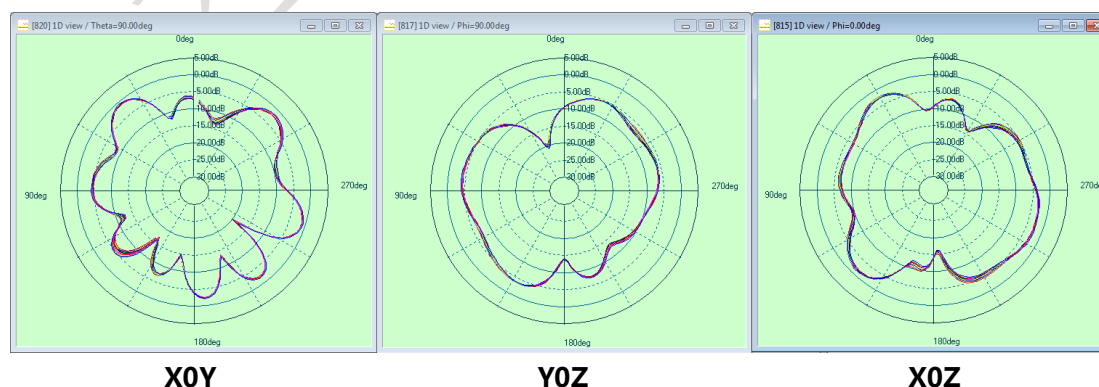
Frequency	Gain (dBi)	Efficiency(%)
910MHz	-0.09	28%
911MHz	-0.03	28%
912MHz	-0.05	27%
913MHz	-0.16	26%
914MHz	-0.29	26%
915MHz	-0.39	25%
916MHz	-0.43	25%
917MHz	-0.41	26%
918MHz	-0.33	26%
919MHz	-0.20	27%
920MHz	-0.06	27%
AVG	-0.22	26%

4.2.3 The antenna radiation pattern(1D View)/天线辐射方向图 (1D View)

863MHz-873MHz

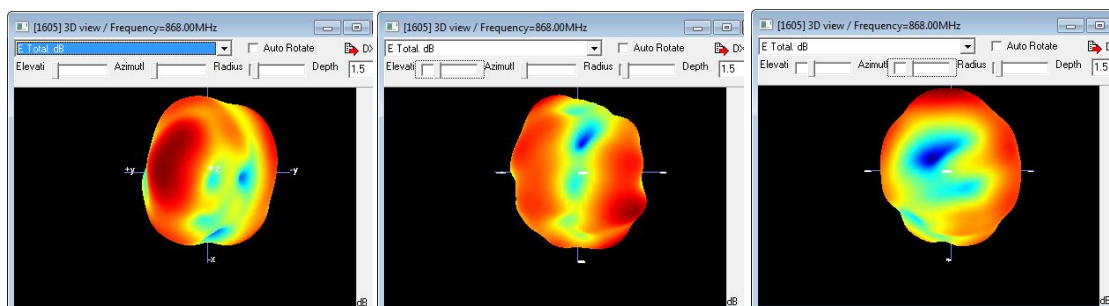


910MHz-920MHz



4.2.4 The antenna radiation pattern(3D View)/天线辐射方向图 (3D View)

868MHz

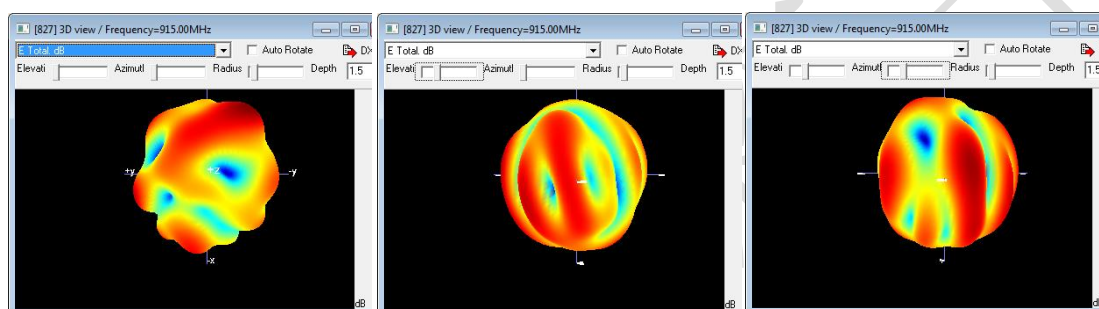


X0Y

Y0Z

X0Z

915MHz



X0Y

Y0Z

X0Z