

上海德门信息技术有限公司
SHANGHAI DEMAN INFORMATION TECHNOLOGY CO.,LTD.

产品规格书
PRODUCT SPECIFICATION

客户 Customer	
客户编码 Customer's part number	
产品料号 Product Material Code	TFPD05H09170011
发行日期 Issue Date	2022-12-07
发行版本 Release Version	B
作者 Author	汪龙

1 产品技术指标 (PRODUCT TECHNICAL SPECIFICATION)

电性能指标 Electrical Specifications	
频率范围 Frequency Range (MHz)	2400-2500
最大功率 Max power (W)	1
频带宽度 Band width (MHz)	100
输入阻抗 Input Impedence (Ω)	50
电压驻波比 VSWR	<2.0
增益 Gain (dBi)	>1.0
极化形式 Polarization Type	垂直极化 Vertical
方向性 Directionality	全向 Omnidirectional
机械指标 Mechanical Specifications	
外部尺寸 External Dimensions (L×W) (mm)	108×10
连接方式 Connection Mode	SMA 公针
工作温度 Operatin Temp ($^{\circ}\text{C}$)	-30~65
储存温度 Storing Temp($^{\circ}\text{C}$)	-30~65
外壳颜色 Radome Color	黑色 Black
天线类型 Antenna type	胶棒天线 Glue stick antenna

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

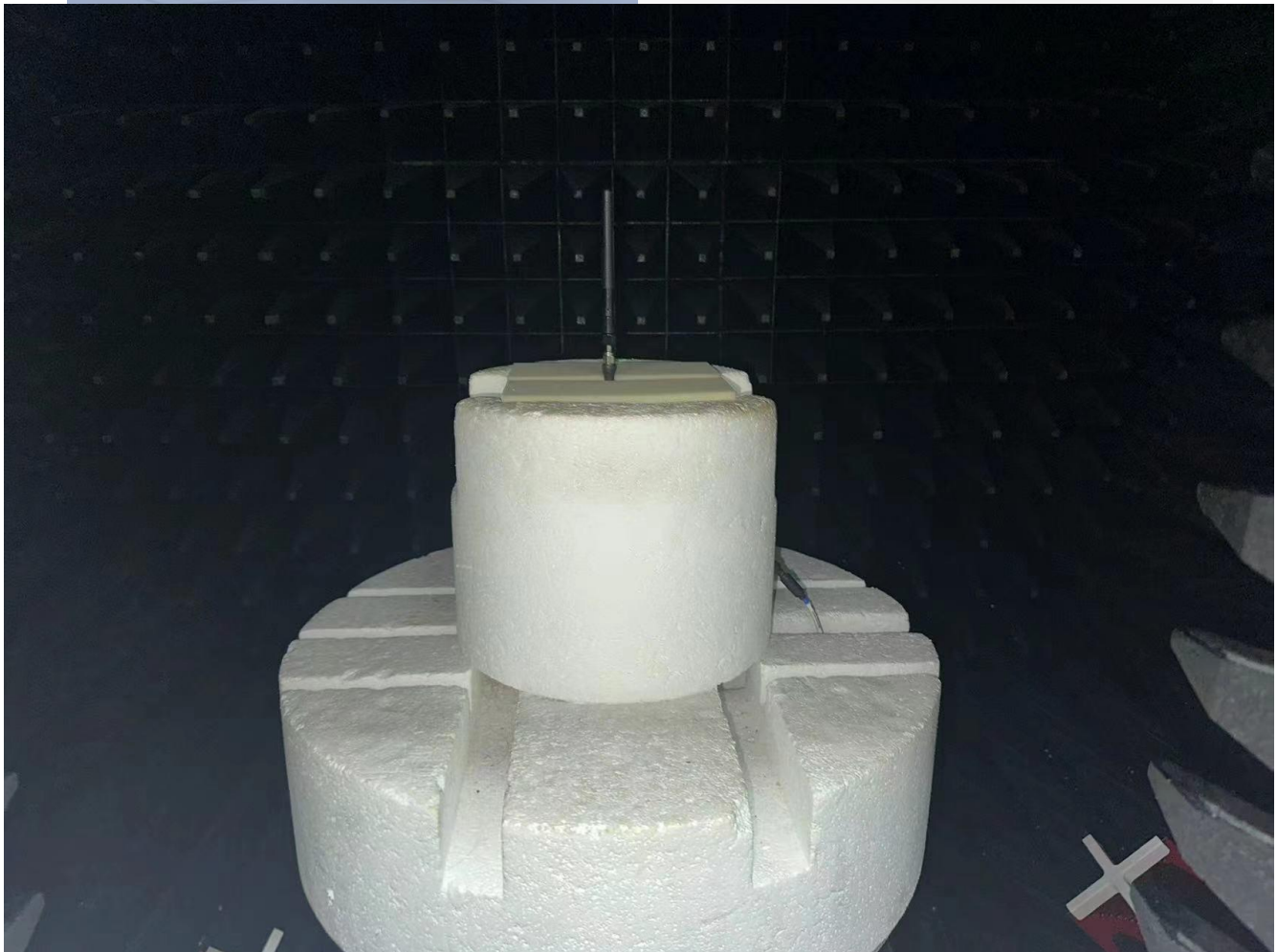
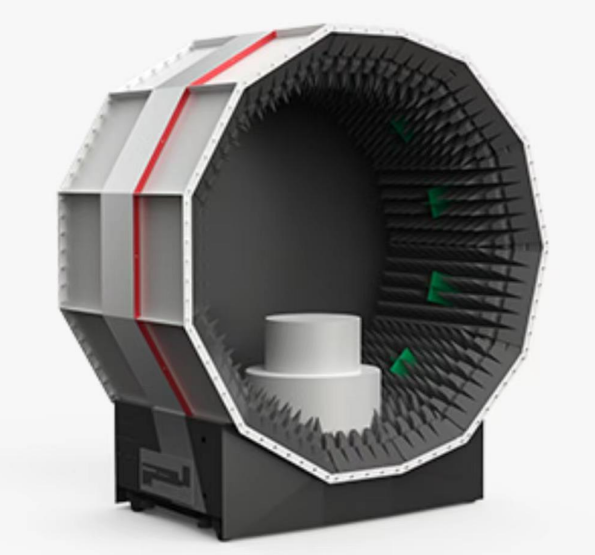
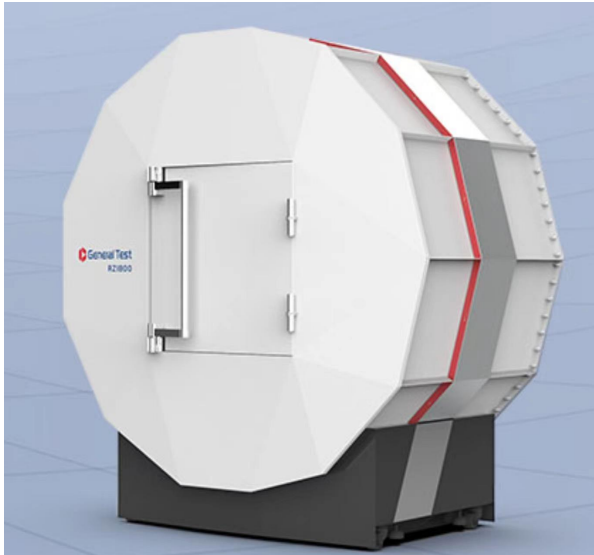
2.1 产品图片 (Product picture)



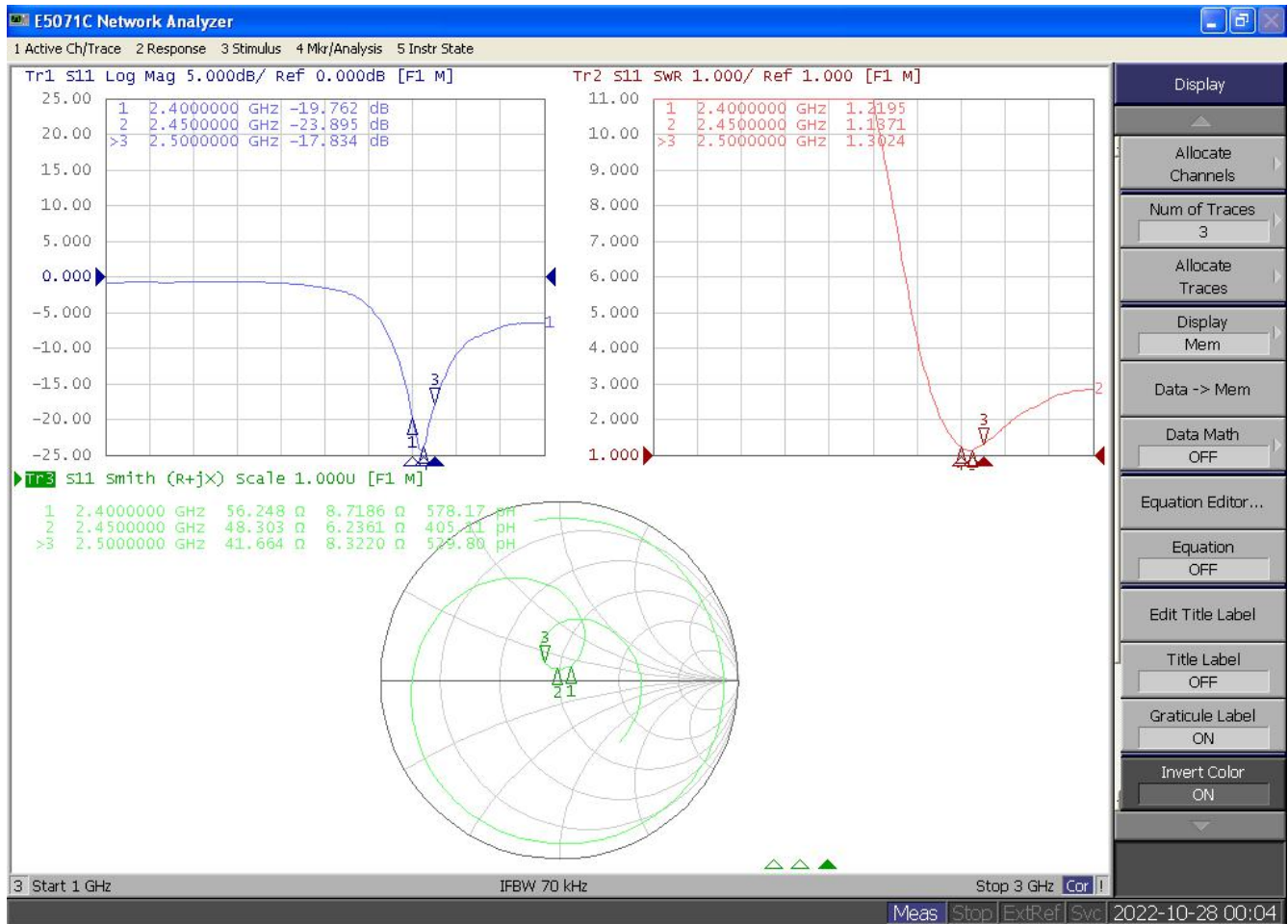
2.2 效率、增益 (Efficiency/Gain)

Freq. (MHz)	Effi (%)	Gain (dBi)
2400	63.15	0.71
2410	64.76	0.90
2420	65.89	1.15
2430	66.88	1.32
2440	67.47	1.40
2450	65.66	1.38
2460	65.13	1.37
2470	66.35	1.51
2480	66.76	1.57
2490	65.06	1.52
2500	64.88	1.51
Avg.	65.63	1.30

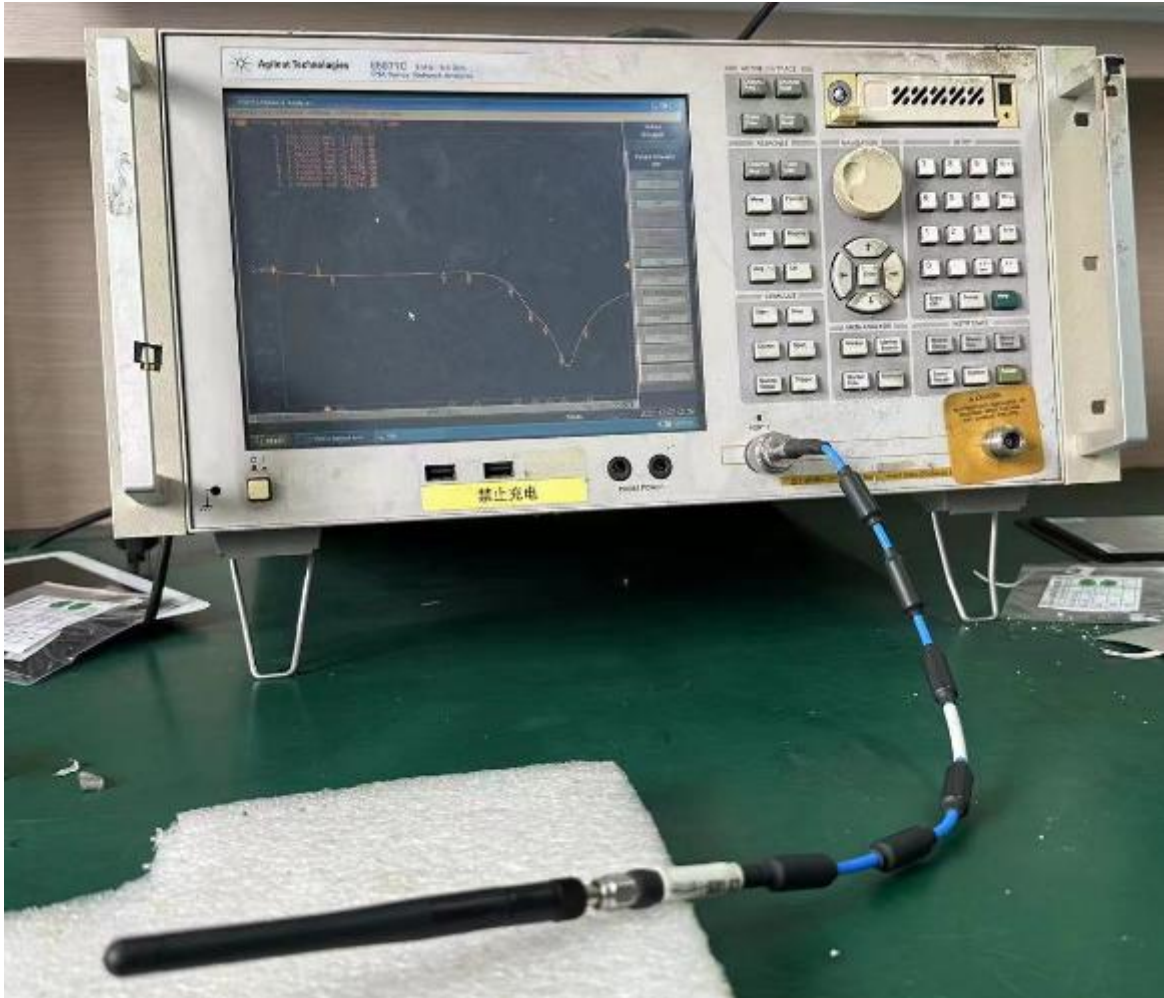
Test instruments: General Test RZ1800
Calibration date:2022.11.21



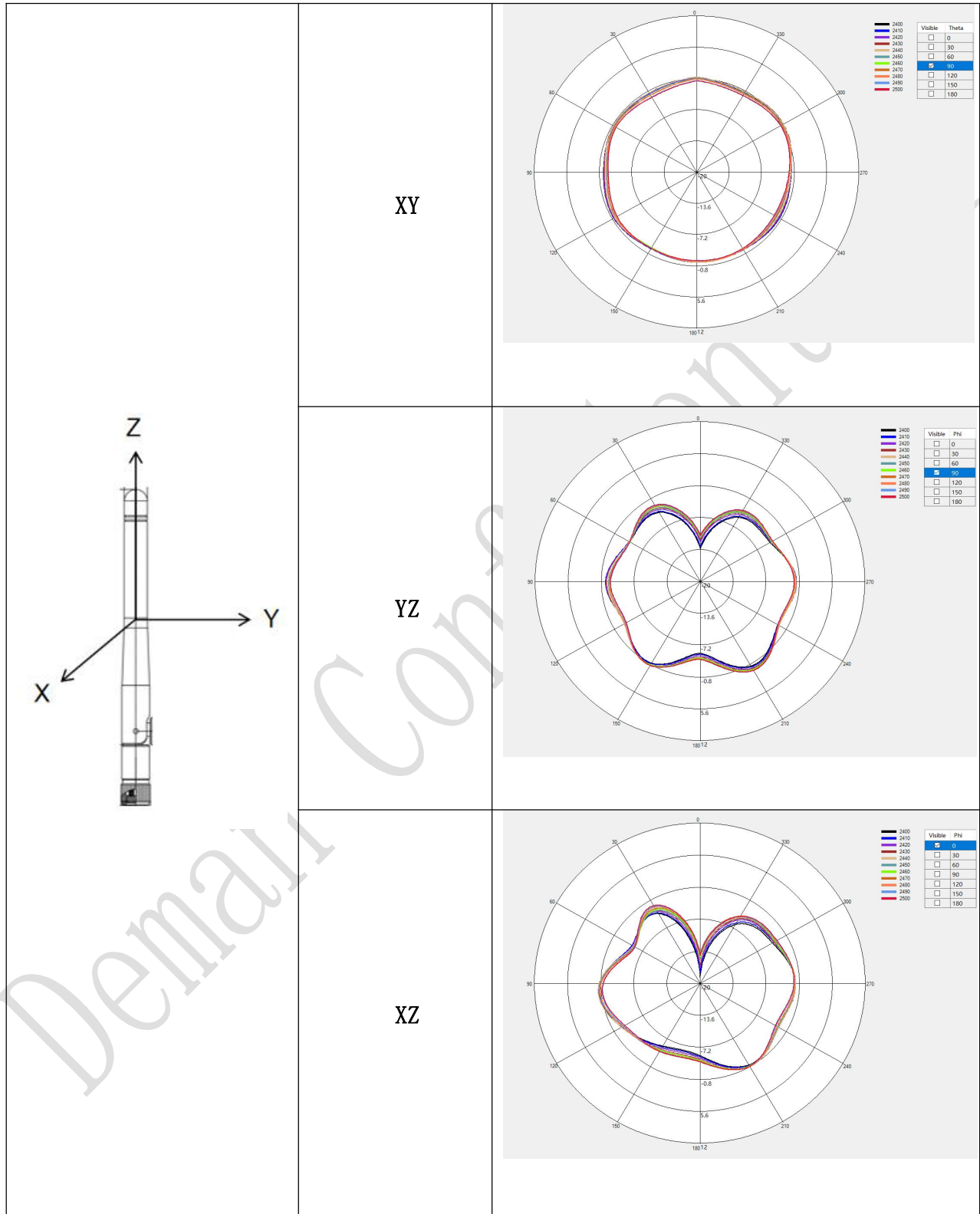
2.3 驻波比 (VSWR) & 反射损耗 (Return Loss) & 史密斯图 (Smith Chart)



Test instruments: Agilent E5071C
Calibration date:2022.8.12



2.4 方向性图 (Directivity Diagram)



Test instruments: General Test RZ1800

Calibration date:2022.11.21

