

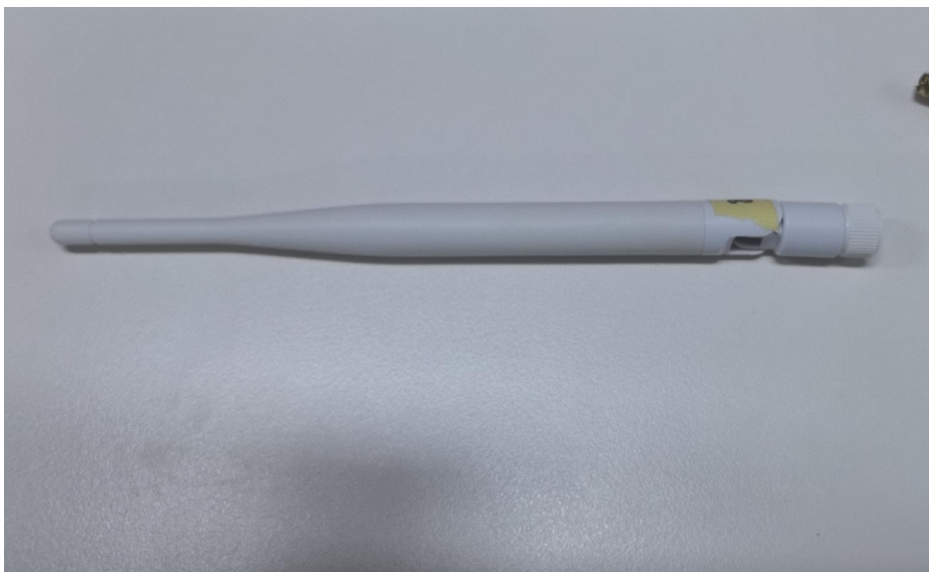


天线型号 (Antenna Version)： lora 胶棒天线
产品型号 (Model of the DUT)： ME25LS02
PCB 编号及版本 (PCB number and version)： ME25LS02_V1.0
责任硬件工程师 (Hardware Engineer)： 李金倍
测试日期 (Test Data)： 2025/08/13

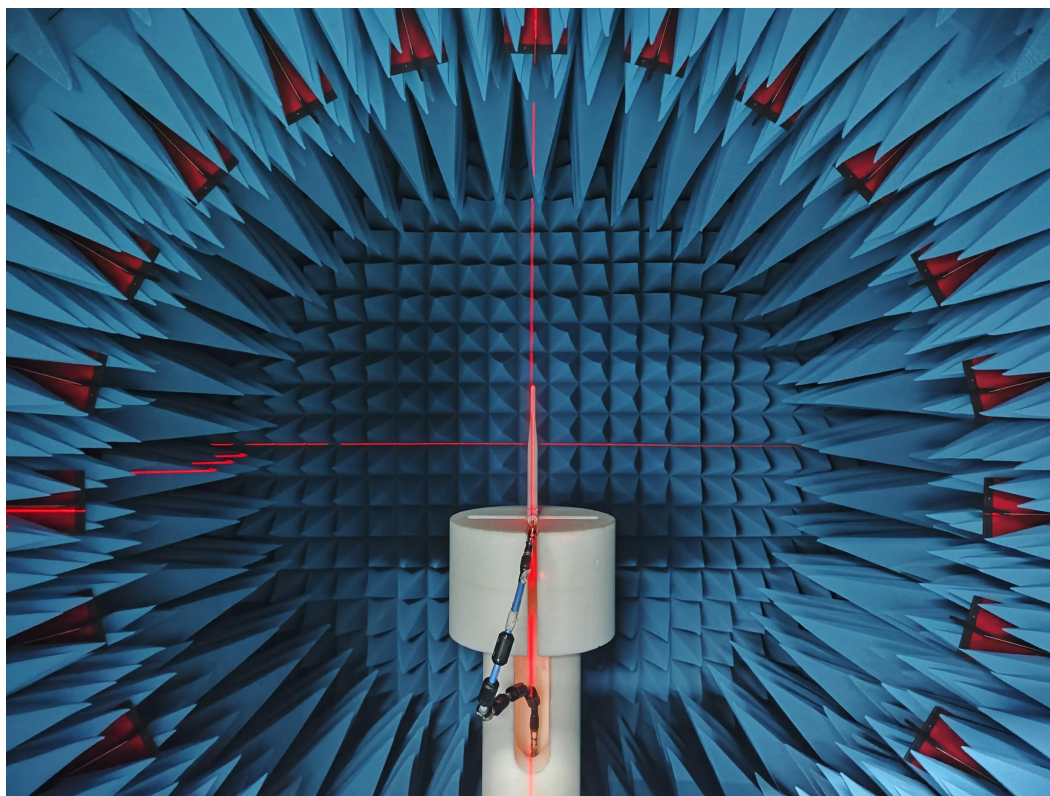
1、技术指标 (Technical Specification)

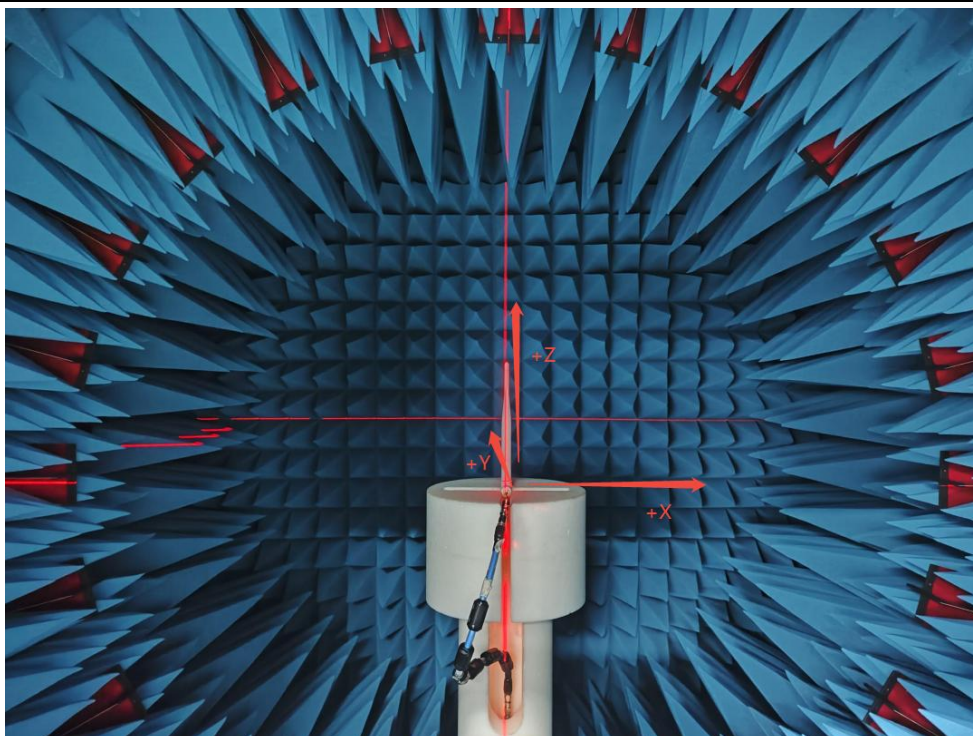
电性能指标 Electrical Specifications	
频率范围 Frequency Range （MHz）	902-928
频带宽度 Bandwidth (-10dB) （MHz）	7.57
输入阻抗 Input Impedance （Ω）	50
回波损耗 Return Loss （dB）	<-20
电压驻波比 VSWR	<1.5
增益 Gain (@915MHz) （dBi）	1.52
峰值增益 Peak Gain （dBi）	1.56
极化形式 Polarization Type	线极化
雷电保护 Lightning Protection	直流接地 （DC grounding）
功率容量 Power Capacity （mW）	1000
机械指标 Mechanical Specifications	
天线尺寸 Antenna Size (mm)	196*13mm
辐射体 Radiator	铜 Cuprum
连接器型号 Connect Type	无
工作温度 Working Temperature （℃）	/
存储温度 Storage Temperature （℃）	/

2、天线外形和尺寸 (the shape and size of the antenna)

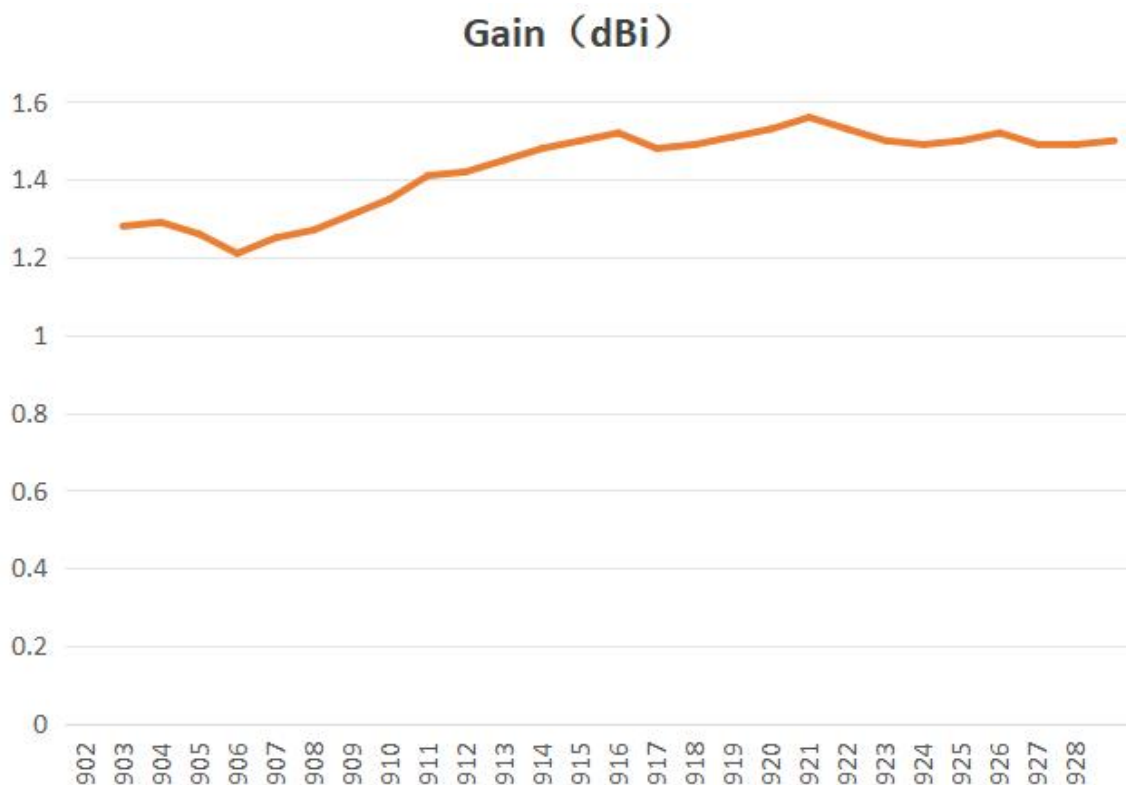


3、测试结果 (The result of the test)

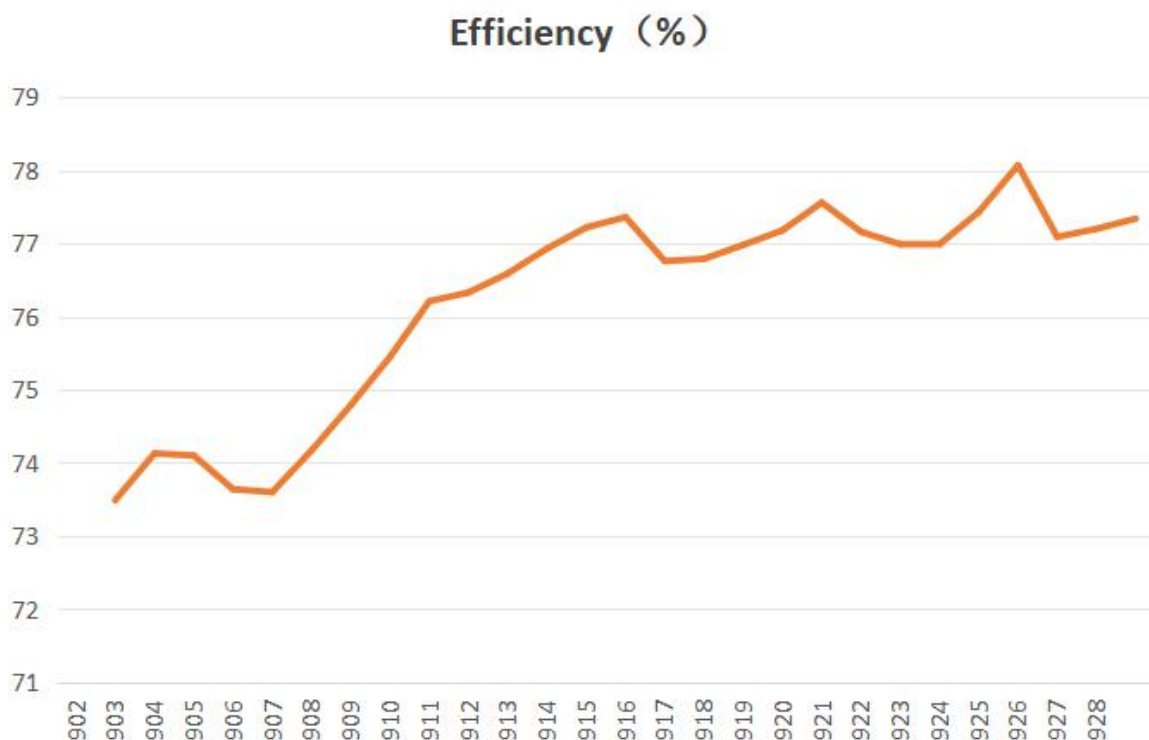




3.1 增益 (Gain)



3.2 效率 (Efficiency)

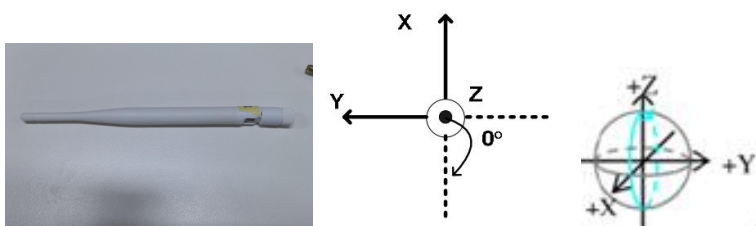


备注: 效率两种表达方式之间的关系: 效率 (dB) = 10lg(效率的百分比)

Note: the relationship between the two expressions of efficiency: efficiency (DB) = 10lg (percentage of efficiency)

4、辐射方向图 (Radiation Pattern)

(1) E1, XZ 面, phi=0; (E1, XZ plane, phi=0°)

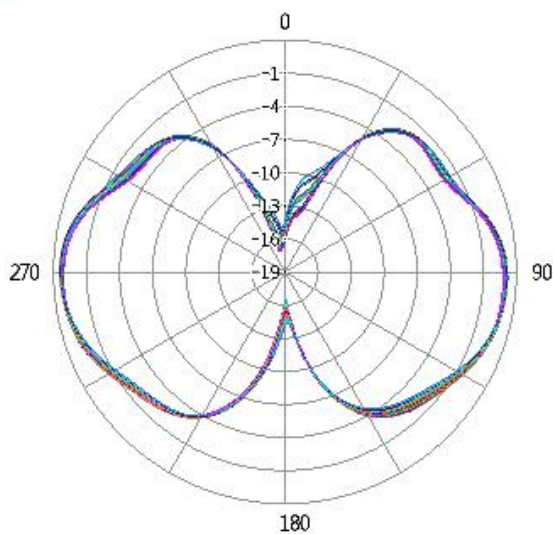


Y-YB-CR-115

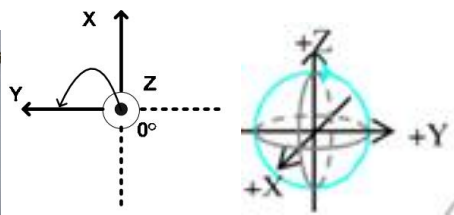
V001

密级: 绝密 /confidentiality

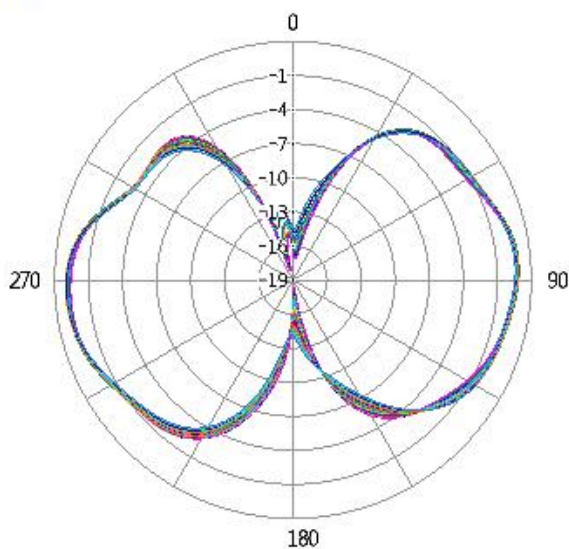
Angle: 75.12
Power: 15.09



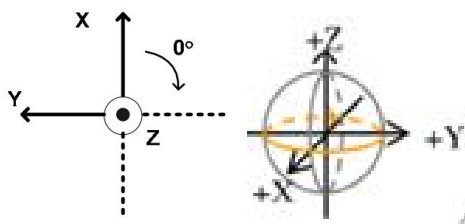
(2) E2, YZ 面, $\phi=90^\circ$; (E2, YZ 面, $\phi=90^\circ$)



Angle: 175.77
Power: 11.18



(3) H, XY 面, $\theta=90^\circ$; (H, XY plane, $\theta=90^\circ$)



Angle: 215.88
Power: 14.93

