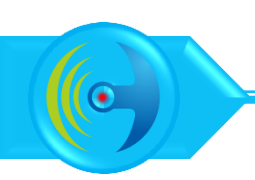


# 专业天线服务商

深圳市飞敏科技有限公司  
SHENZHEN FEIMIN TECHNOLOGY CO.,LTD.

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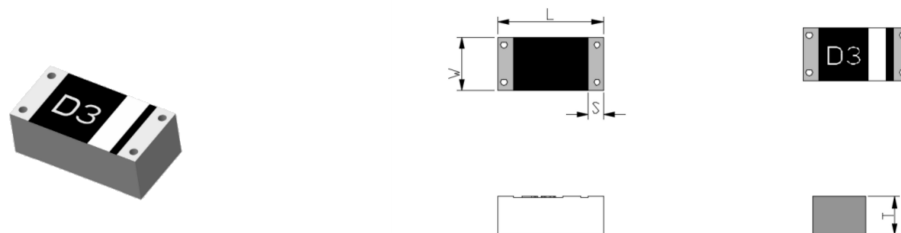
# 天线测试报告

Antenna test report

项目型号	Q08
天线型号	
测 试	许高富
审 核	夏兴喜
日 期	2023-8-19

# 1. 项目信息 Project Information

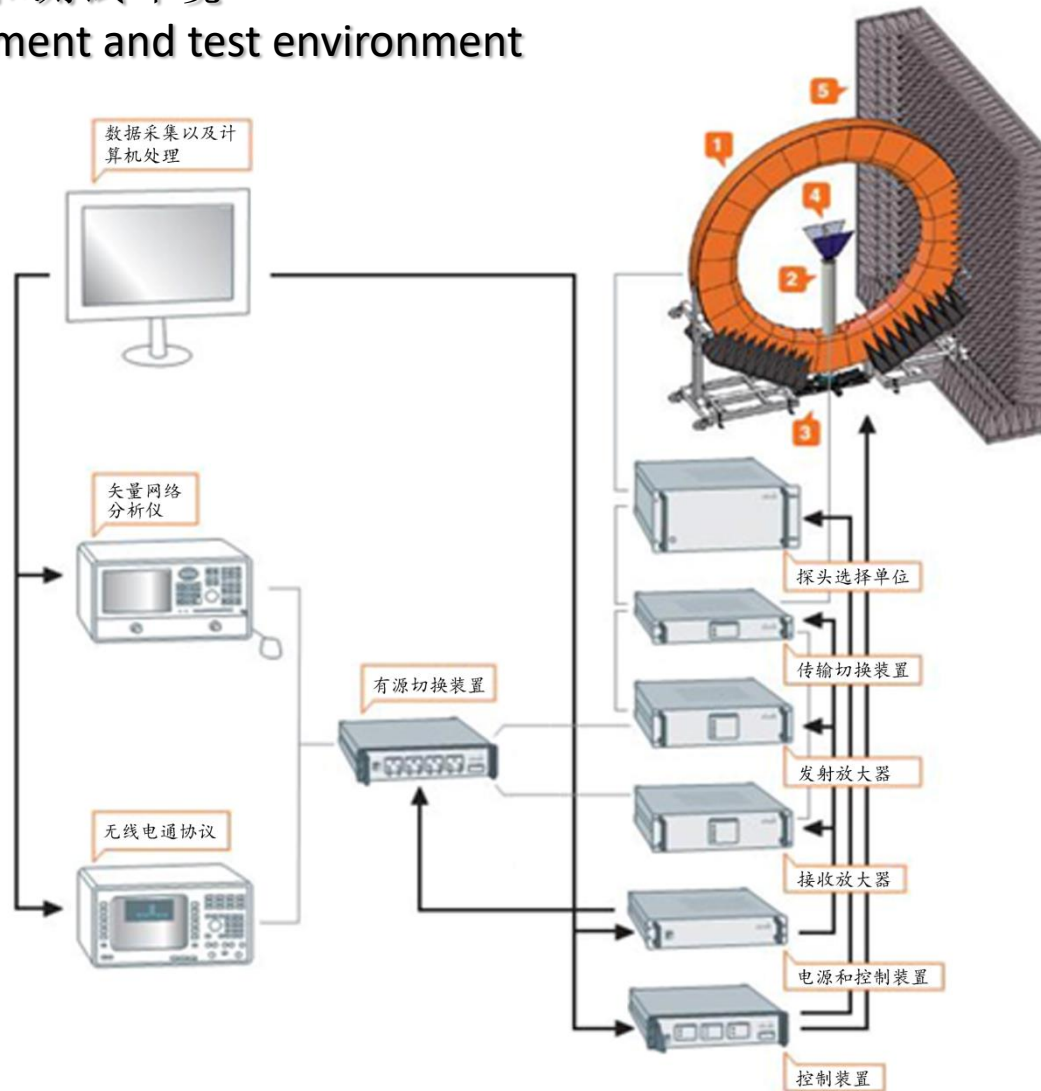
## 1.1. 外观尺寸 Appearance and Dimensions

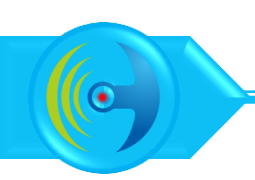


Symbol	Dimension (mm)
L (长度)	3.4± 0.20
W (宽度)	1.7± 0.20
T (厚度)	1.2± 0.20
S (电极宽度)	0.4± 0.20

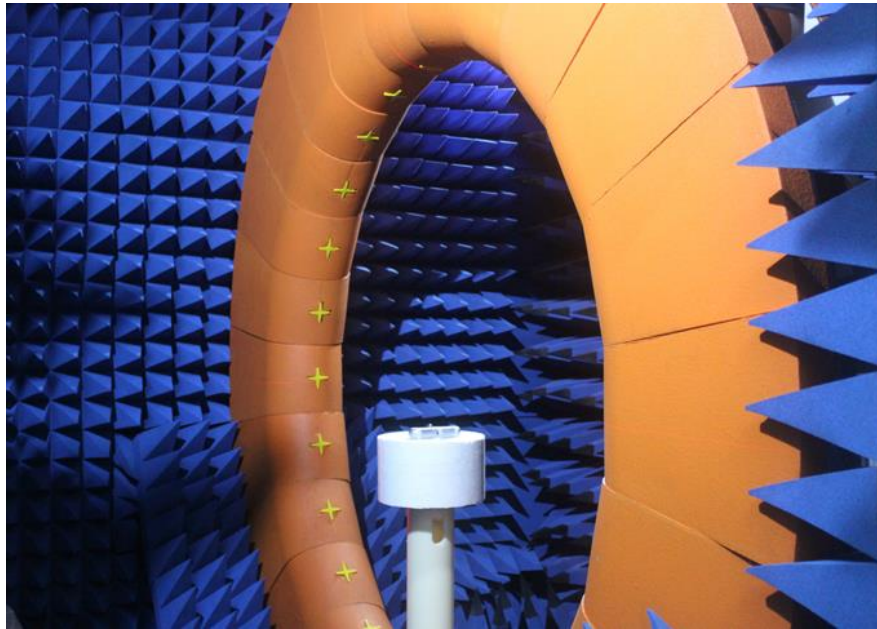


# 测试设备和测试环境 Test equipment and test environment





## 测试设备 Test equipment

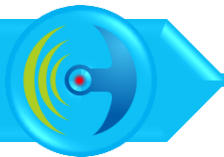


探头微波暗室

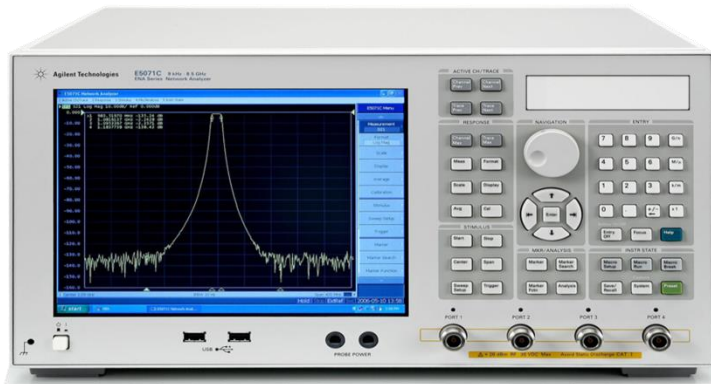
➤ 频率：0.4GHz至6GHz

## 主要测试指标

- ◆ 无源指标
- ◆ 增益
- ◆ 效率
- ◆ 3D方向图
  
- 有源指标
- TRP总辐射功率
- TIS总接收灵敏度



## 测试设备 Test equipment



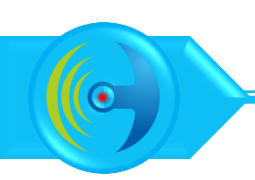
Agilent E5071C 矢量网络分析仪

- 频率：300 kHz至8.5GHz

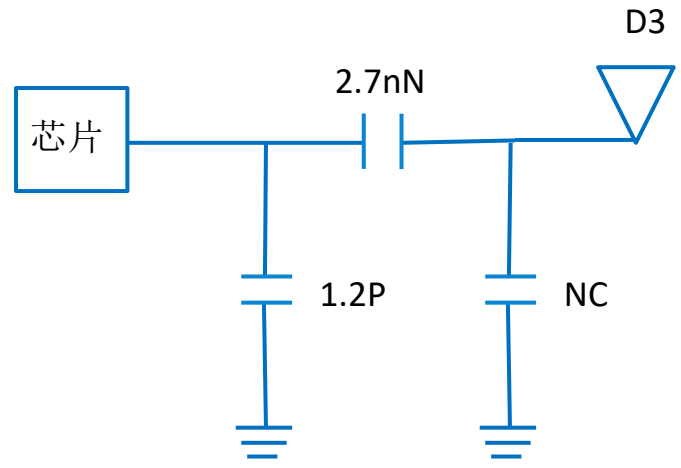


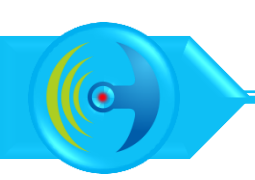
R&S CMW500 宽带无线通信测试仪

- GSM/3G/4G
- WIFI/ Bluetooth
- NB-IoT

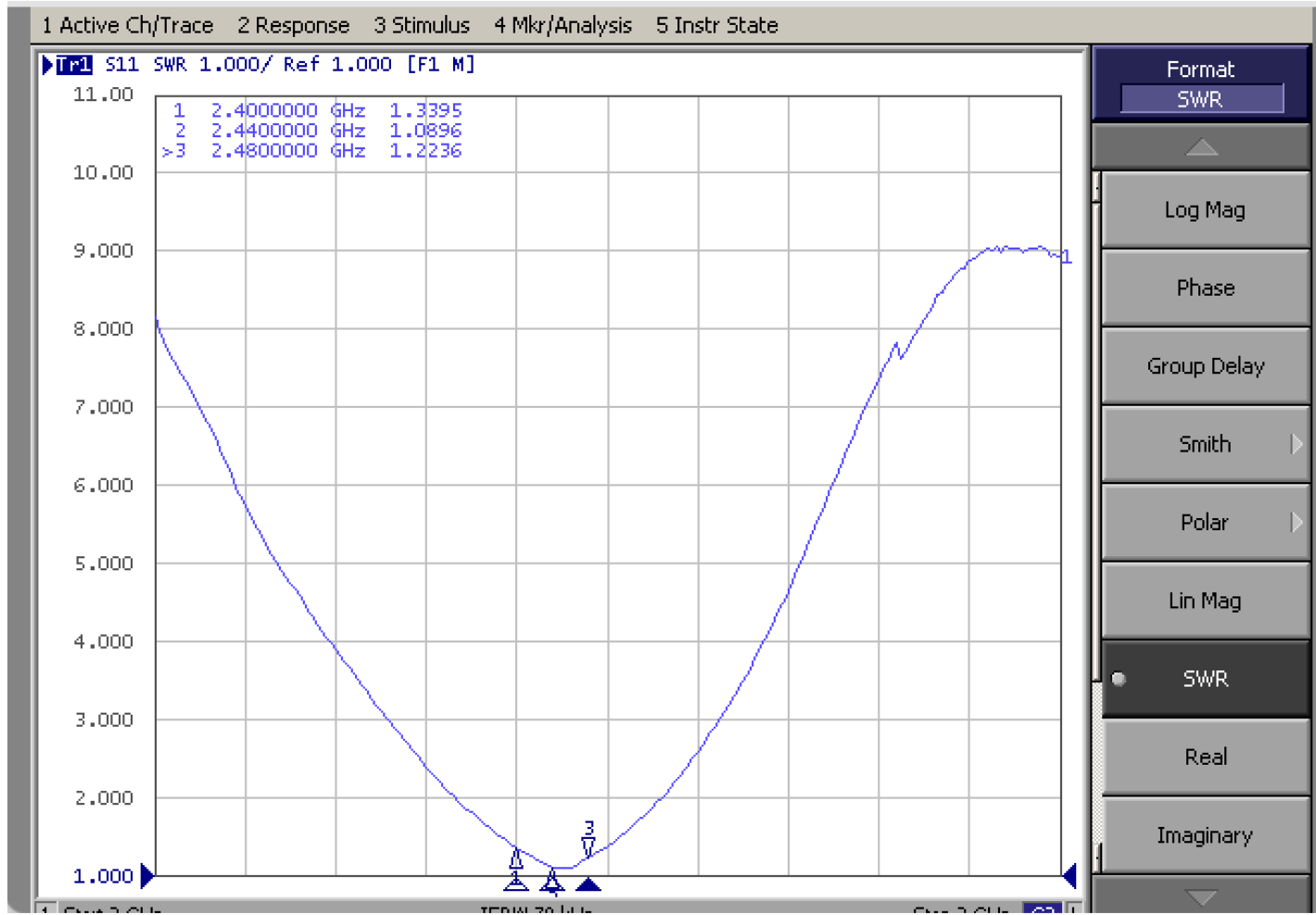


# 天线匹配

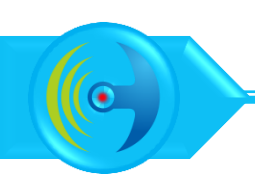




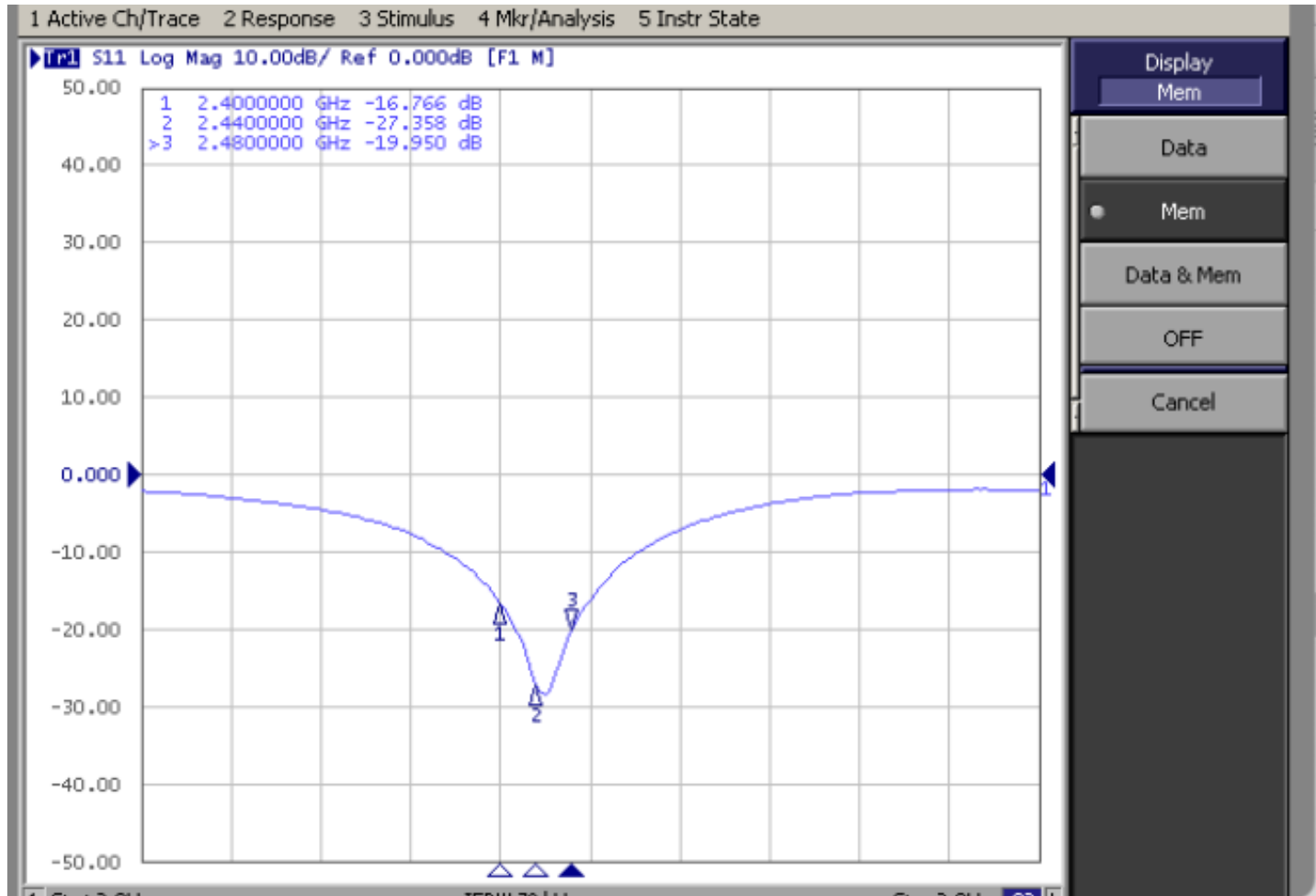
# 天线驻波比 Antenna SWR

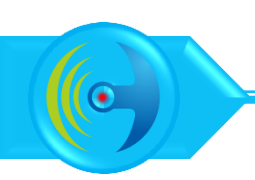






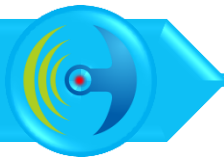
# 天线回波损耗 Antenna Return loss



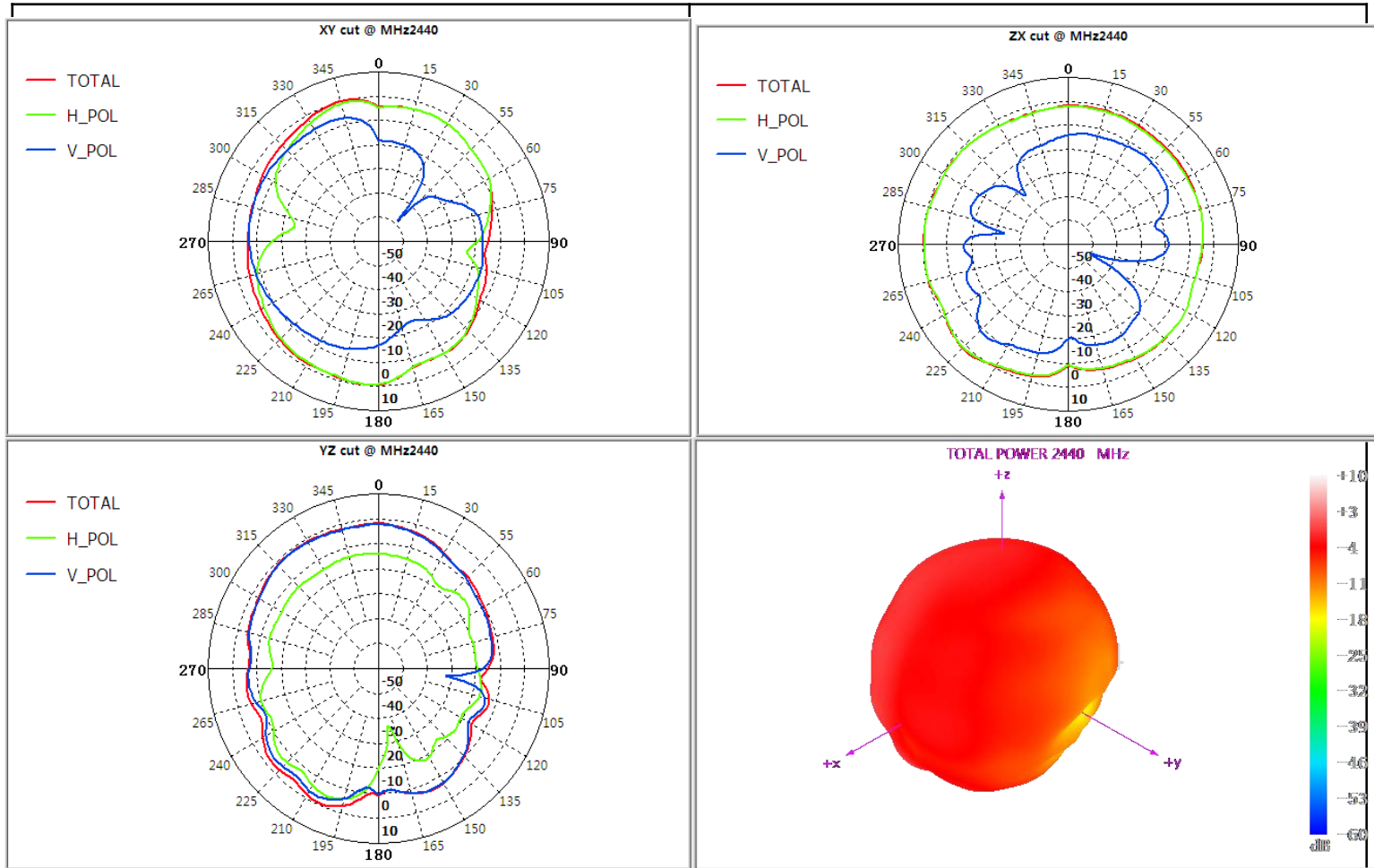


## 天线增益与效率 Antenna gain and efficiency

Frequency (MHz)	Gain (dBi)	Efficiency (%)
2400 MHz	1.73	44.07
2410 MHz	1.42	46.87
2420 MHz	1.62	45.74
2430 MHz	1.60	43.41
2440 MHz	1.83	47.21
2450 MHz	2.04	46.87
2460 MHz	1.67	48.91
2470 MHz	1.51	45.95
2480 MHz	1.54	44.81
2490 MHz	1.39	46.34
2500 MHz	1.31	45.99



# 天线辐射方向图 Antenna Radiation Pattern



**Thanks for your support!**  
**感谢您的支持!**

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