

Shenzhen Dong Feng Chang technology Co., LTD

DFW909 Antenna specification

一、实物图 picture of real products



二、 天线 技术参数

Design Specifications Typical Units

天线形式 可折叠棒状天线

工作频率(working Frequency) 2400~2500MHz

增益 (Gain) 5.0dBi @2400MHz-2500MHz

天线效率 (Antenna efficiency) 70%

电压驻波比 (VSWR) ≤ 1.5

极化方式(Polarization) 线极化

辐射方向(Radiation pattern) 全向

馈电阻抗(impedance) 50Ω

功率容量(Power handling) 50dbm

天线接口(Interface) SMA (Male head female needle)

天线尺寸(Overall dimensions) $\Phi 13 \times 195\text{mm}$

重量(Weight) 14.6g

颜色及材质 (Color and material) **white**/ABS

盐雾等级 (Salt spray grade) 72H (**connector**)

工作温度(Operatin Temp) $-40^{\circ}\text{C} \sim 85^{\circ}\text{C}$

储存温度(Storing Temp) $-45^{\circ}\text{C} \sim 85^{\circ}\text{C}$

四 、 结构尺寸图 (Structural dimensional drawing / **mm**)

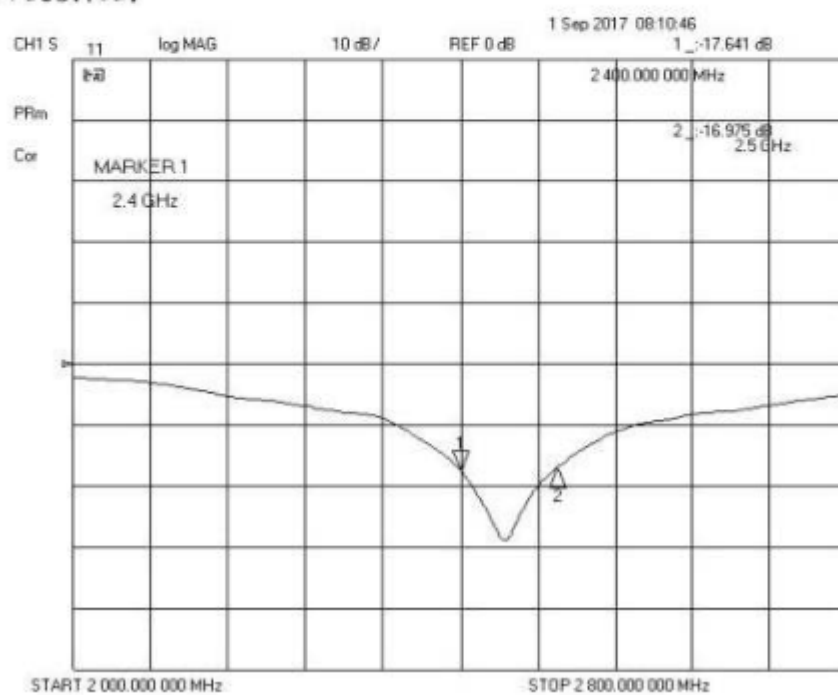


五、天线性能测试 (Antenna performance test)

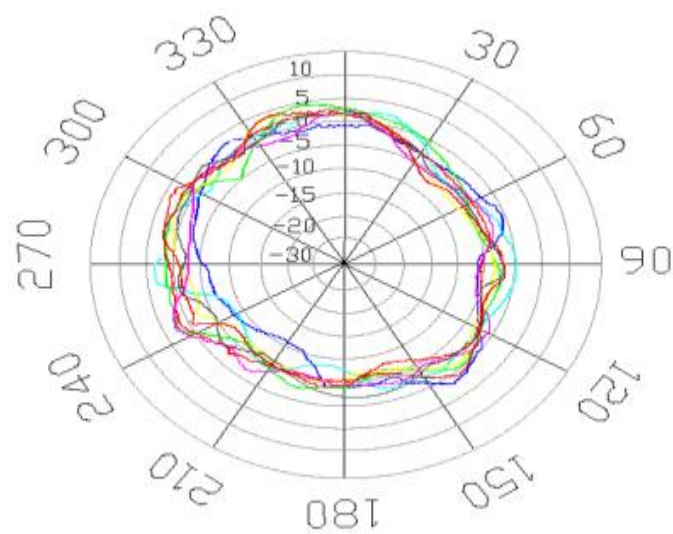
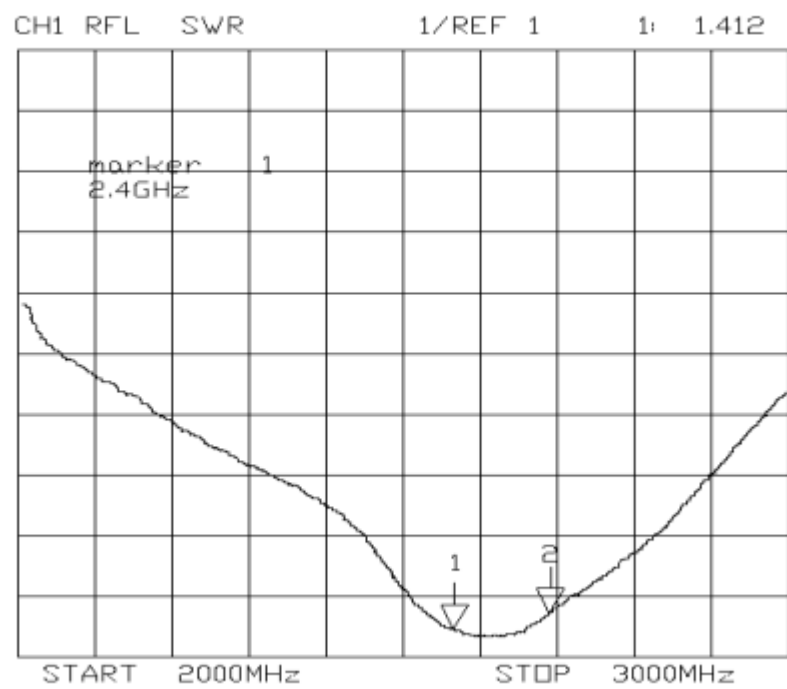
驻波比/回波损耗测试方法



1、回波损耗图



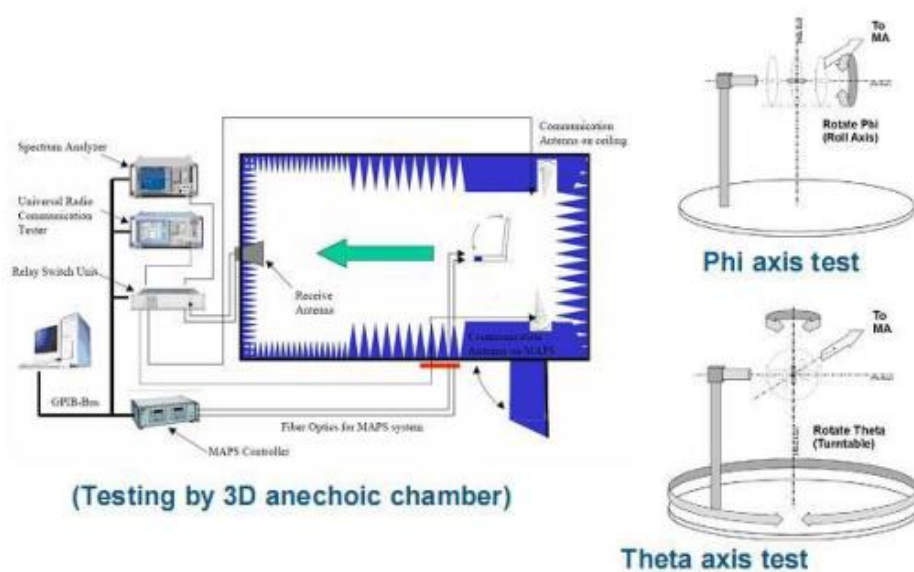
2.驻波比图



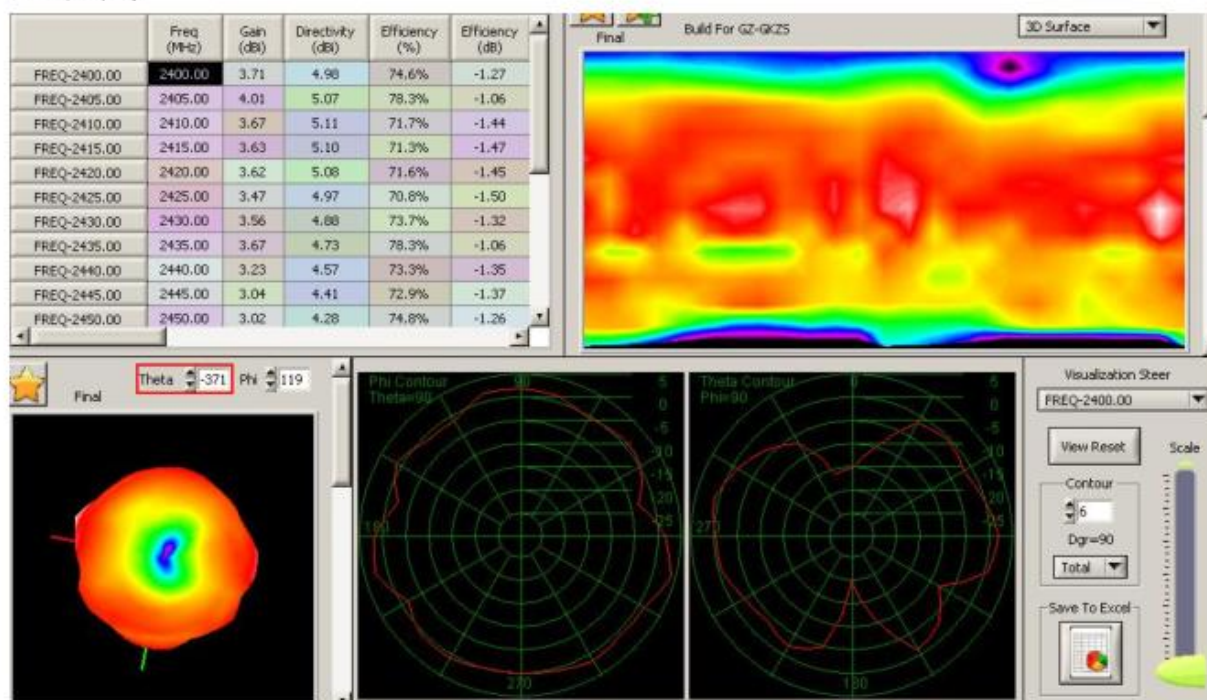
2400~2500MHz 天线方向图

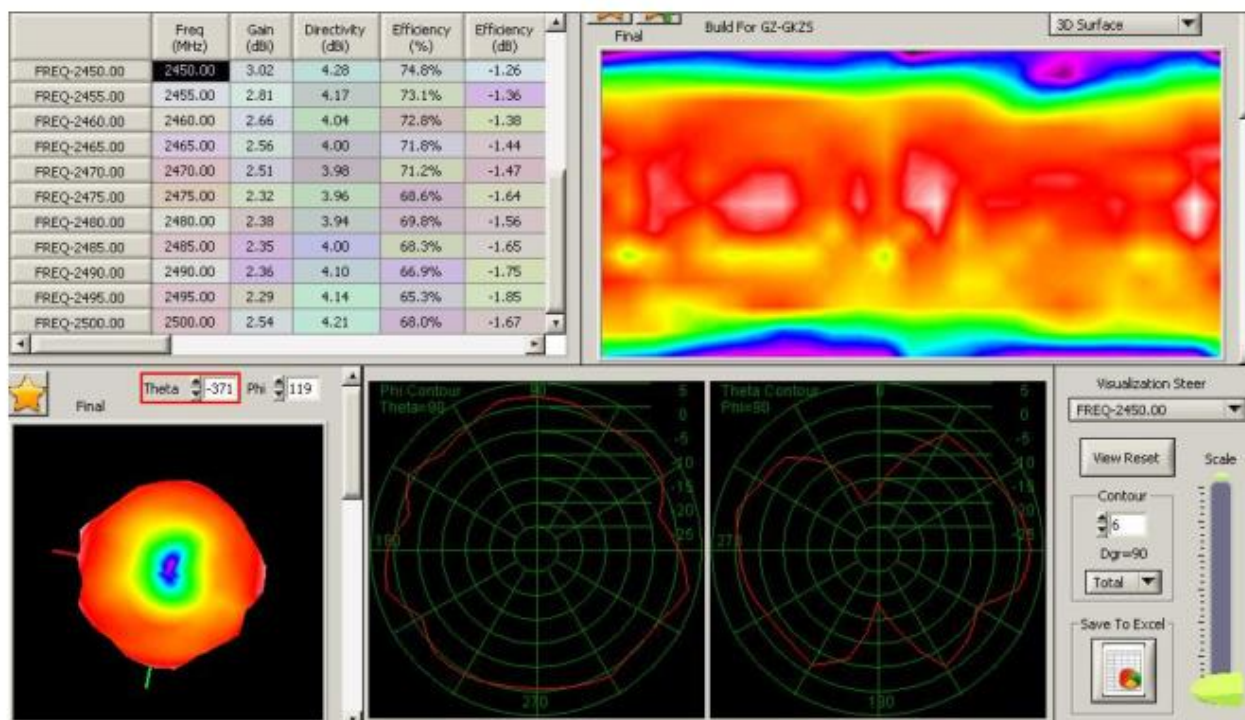
微波暗室检测

检测图如下所示：

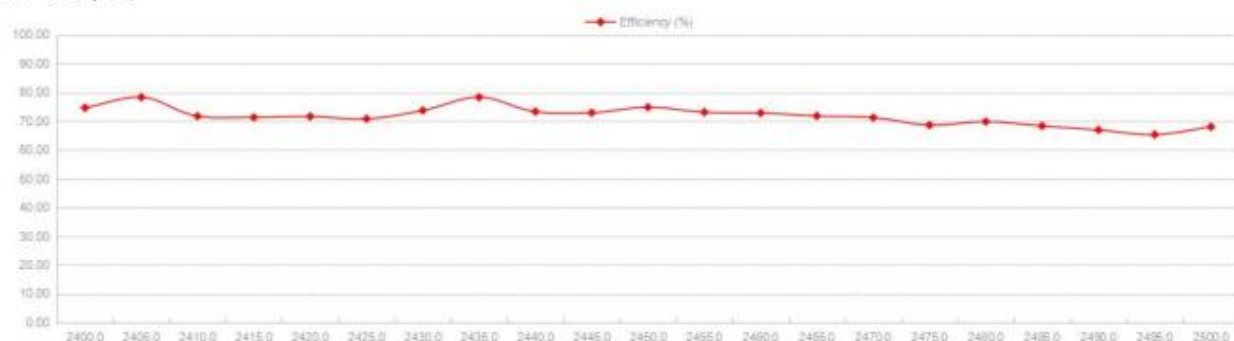


3、方向图

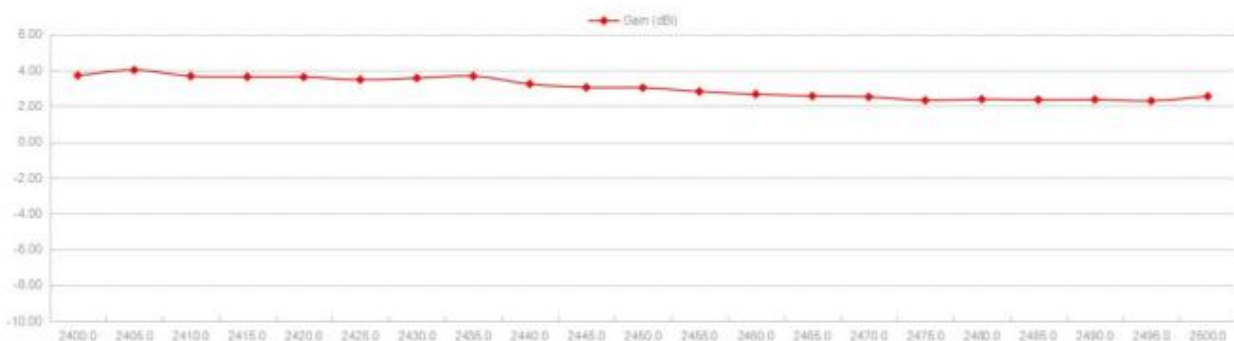




4、效率图



5、增益图



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