

Free walk Technology

深圳自由行通信技术有限公司

天线测试报告

Antenna Test Report

项目名称/Project :SO288LB

日期/Data:2024-9-3

版本/Ver:1.0



样机简介

客户名称		迈科	项目名称	
NO.	ITEMS	DETAILS		
1	频段	WiFi （2.4GHz）		
2	机型			
3	天线类型	内置		
4	天线实现形式			
5	天线材质			
6				
7				
8				
RF				
ME				

测试系统:

Test Equipment & Conditions

Network Analyzers :

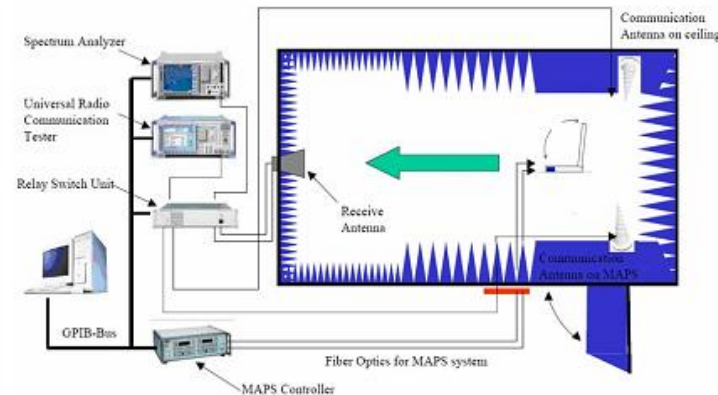
Agilent 5071C

Communications Test Set:

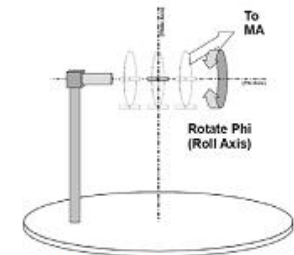
CMW500

3D Chamber Test System:

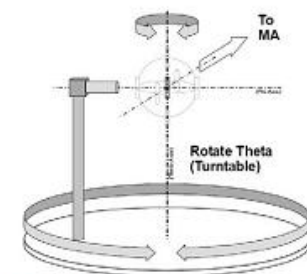
ETS



(Testing by 3D anechoic chamber)

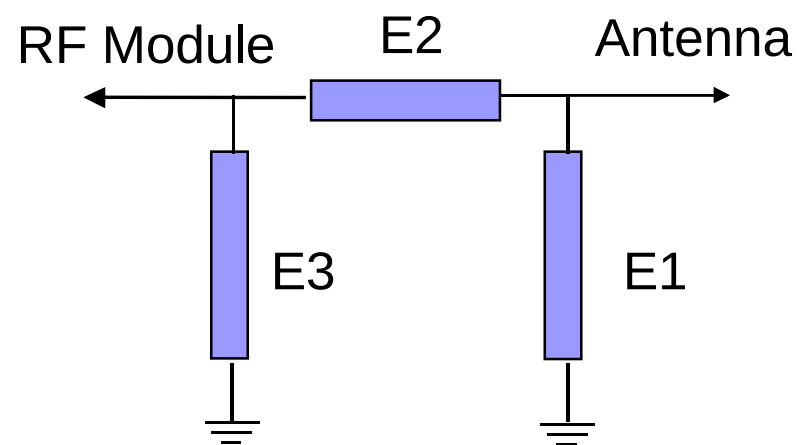
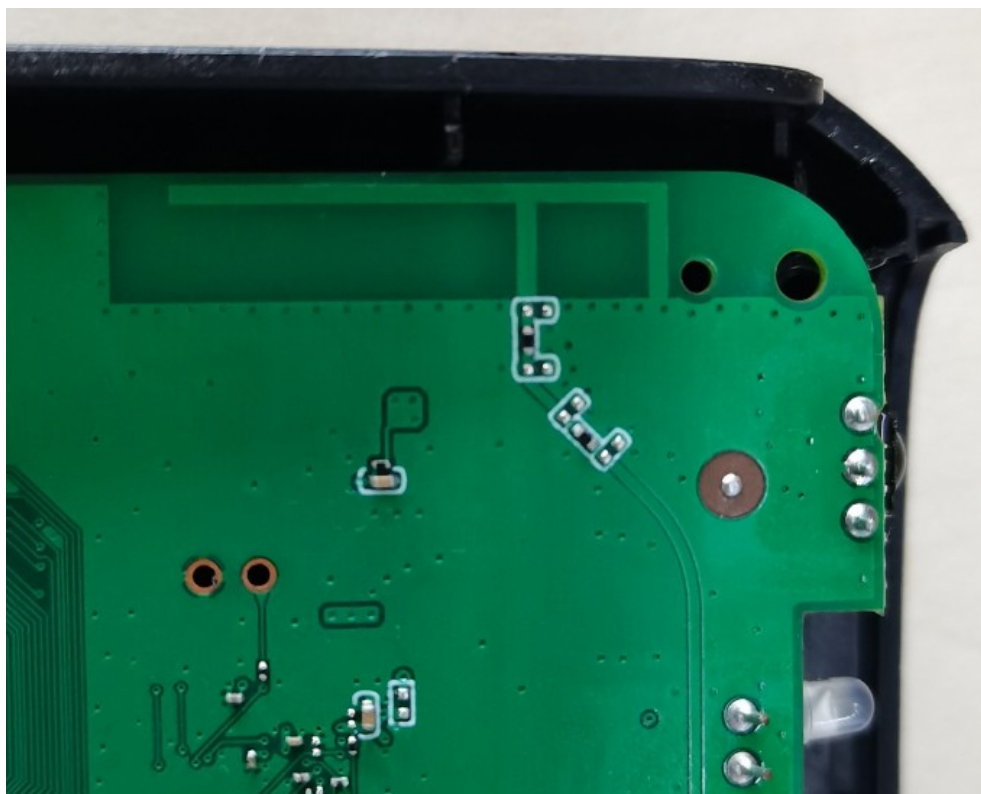


Phi axis test



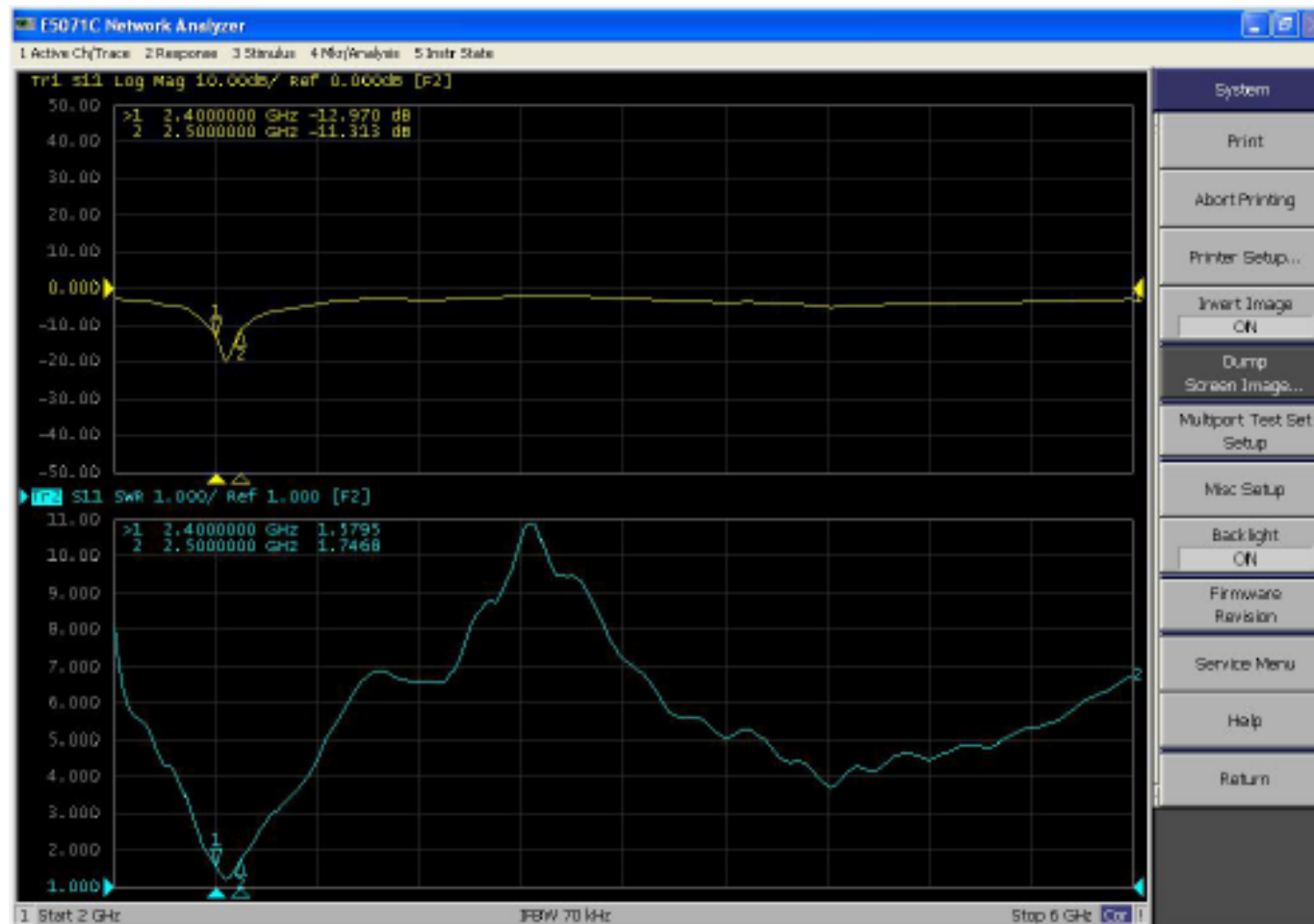
Theta axis test

匹配电路



原匹配电路不变

2.4g天线测试图



测试设备：Agilent E5071C

2.4G测试数据

2.4GHz

Passive Test For WIFI		
Freq (MHz)	Effi (%)	Gain (dBi)
2400	65.14	0.75
2410	70.73	1.25
2420	67.53	1.1
2430	76.09	1.63
2440	75.61	1.65
2450	82.38	2.06
2460	74.59	1.69
2470	73.2	1.66
2480	67.86	1.42
2490	69.63	1.61
2500	66.45	1.57

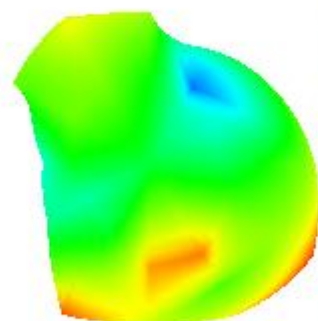
测试设备：Agilent E5071C+ ETS 3D 暗室

方向图

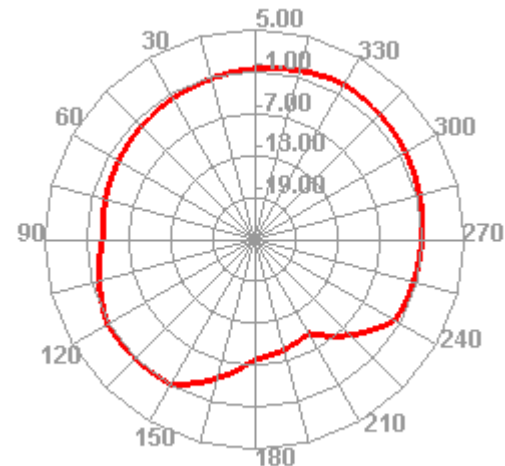
2400MHz

XOY面

2400.000MHz

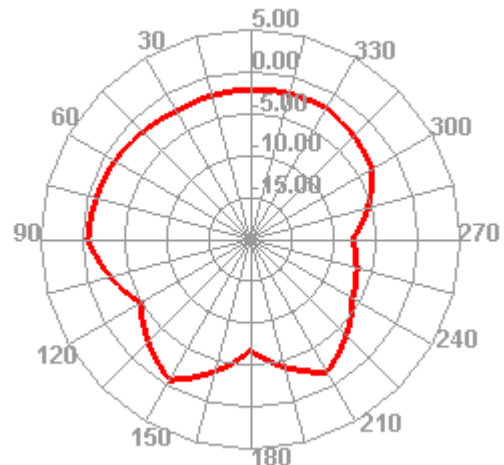


2400.000MHz H



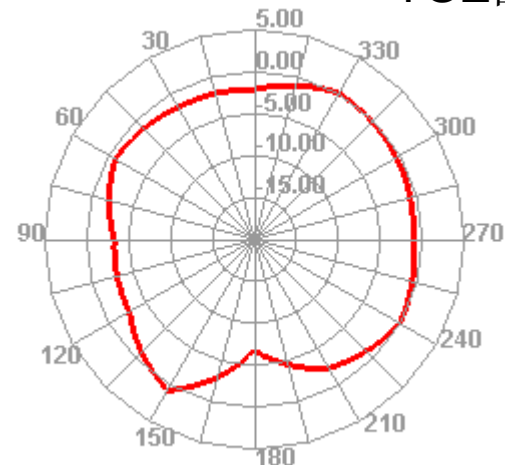
2400.000MHz E1

XOZ面



2400.000MHz E2

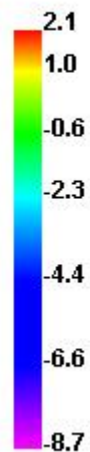
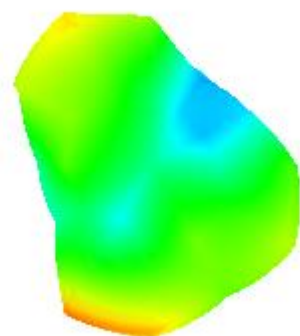
YOZ面



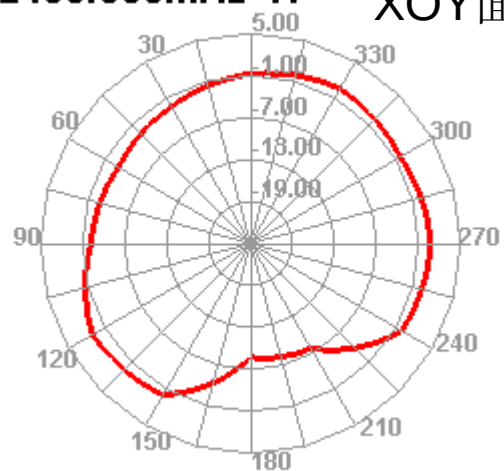
方向图

2450MHz

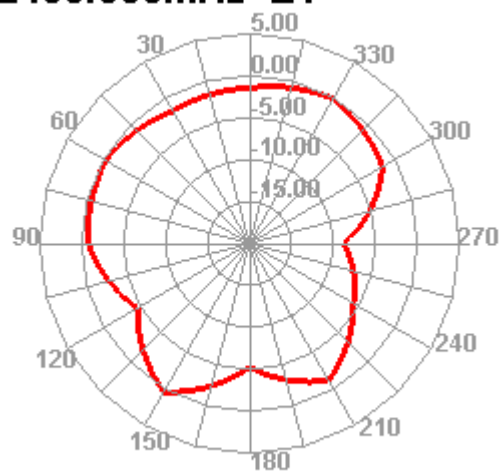
2450.000MHz



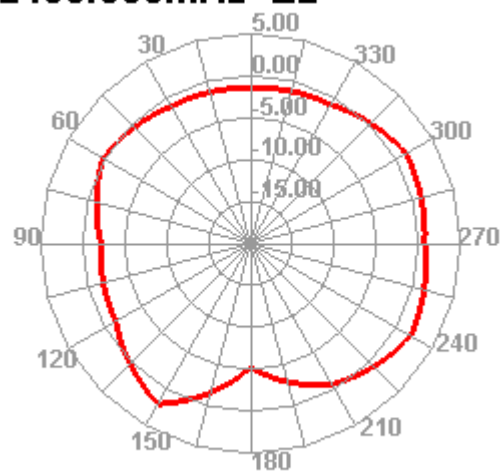
2450.000MHz H XOY面



2450.000MHz E1 XOZ面



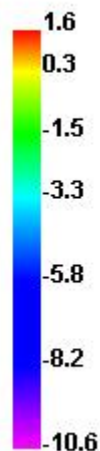
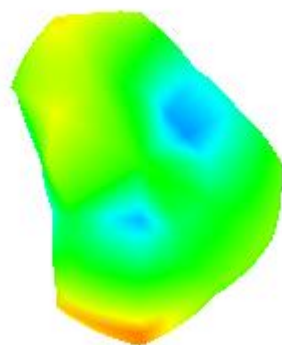
2450.000MHz E2 YOZ面



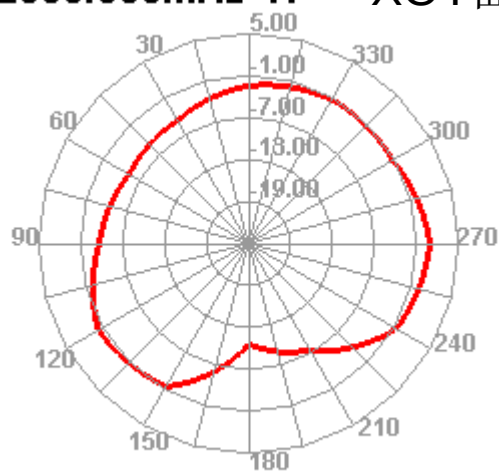
方向图

2500MHz

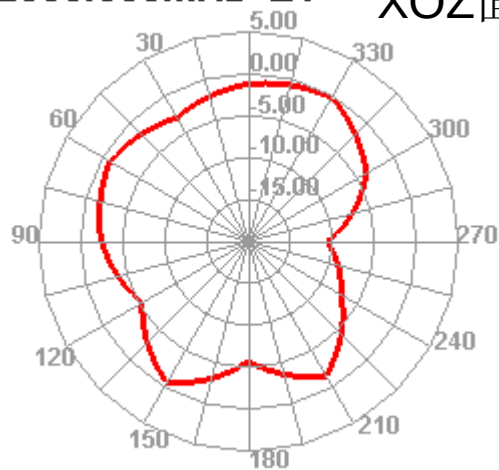
2500.000MHz



2500.000MHz H XOY面



2500.000MHz E1 XOZ面



2500.000MHz E2 YOZ面

