



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 : wszkt0005

日期/Data:2025-07-08

版本/Ver.1.0

样机简介

客户名称		唯士达	项目名称	wszkt0005
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	2.4G内置天线（FPC）		
5	天线材质	PCB		
6	制造商	深圳自由行通信技术有限公司 Free walk Technology		
7	制造商地址	Room 301, Building 2, Hezhou West Industrial Park, Hezhou Community, Hangcheng Street, Bao'an District, Shenzhen		
8				
RF		李文科		
ME				

测试系统:

Test Equipment & Conditions

Network Analyzers :

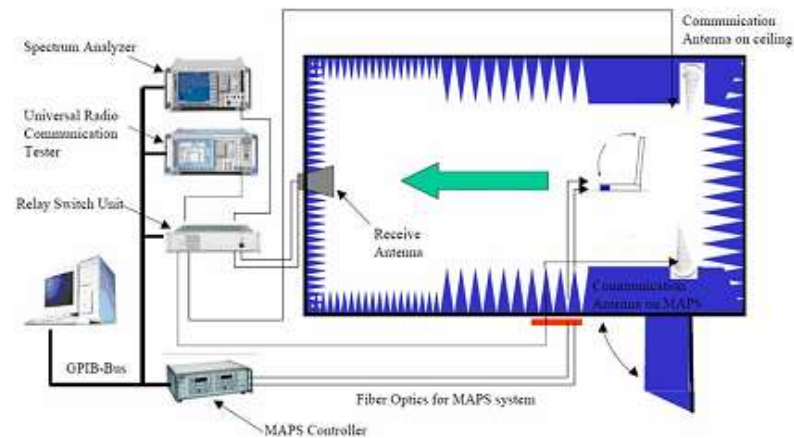
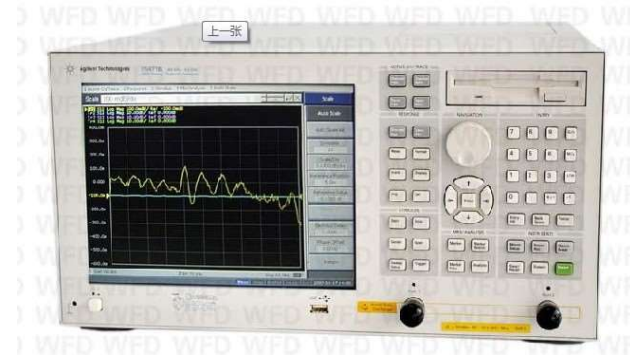
Agilent 5071C

Communications Test Set:

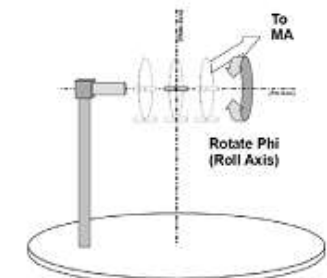
CMW500

3D Chamber Test System:

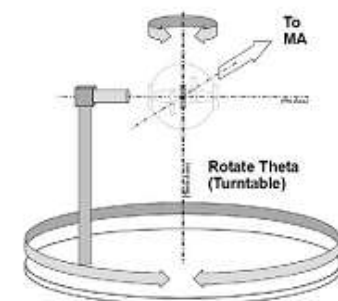
ETS



(Testing by 3D anechoic chamber)

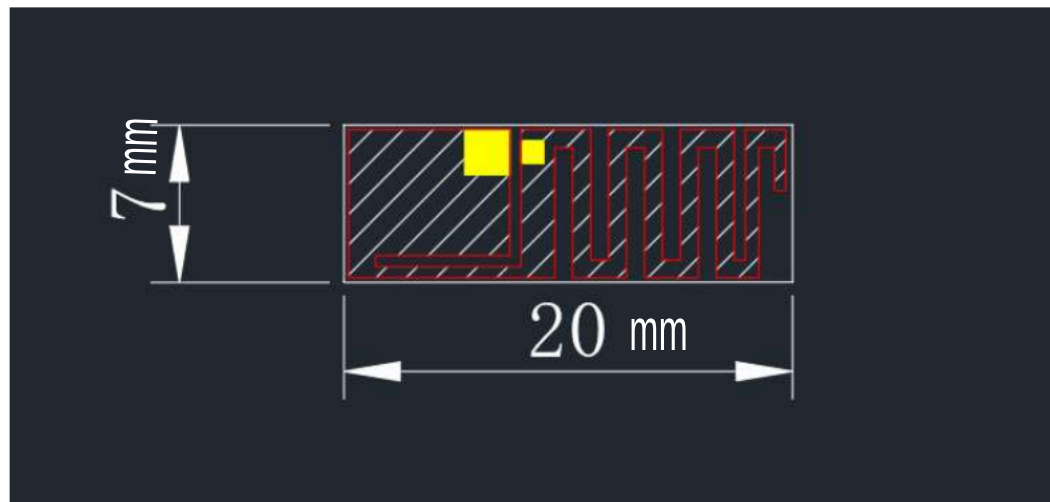
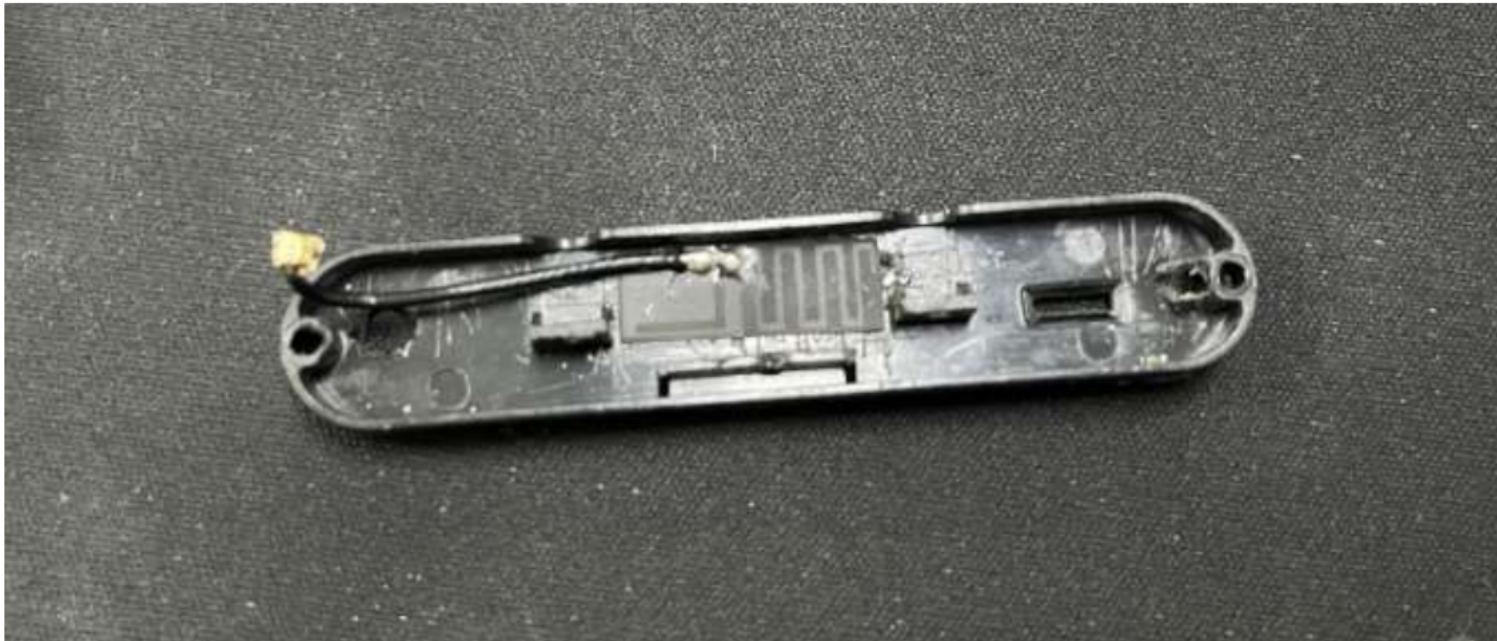


Phi axis test

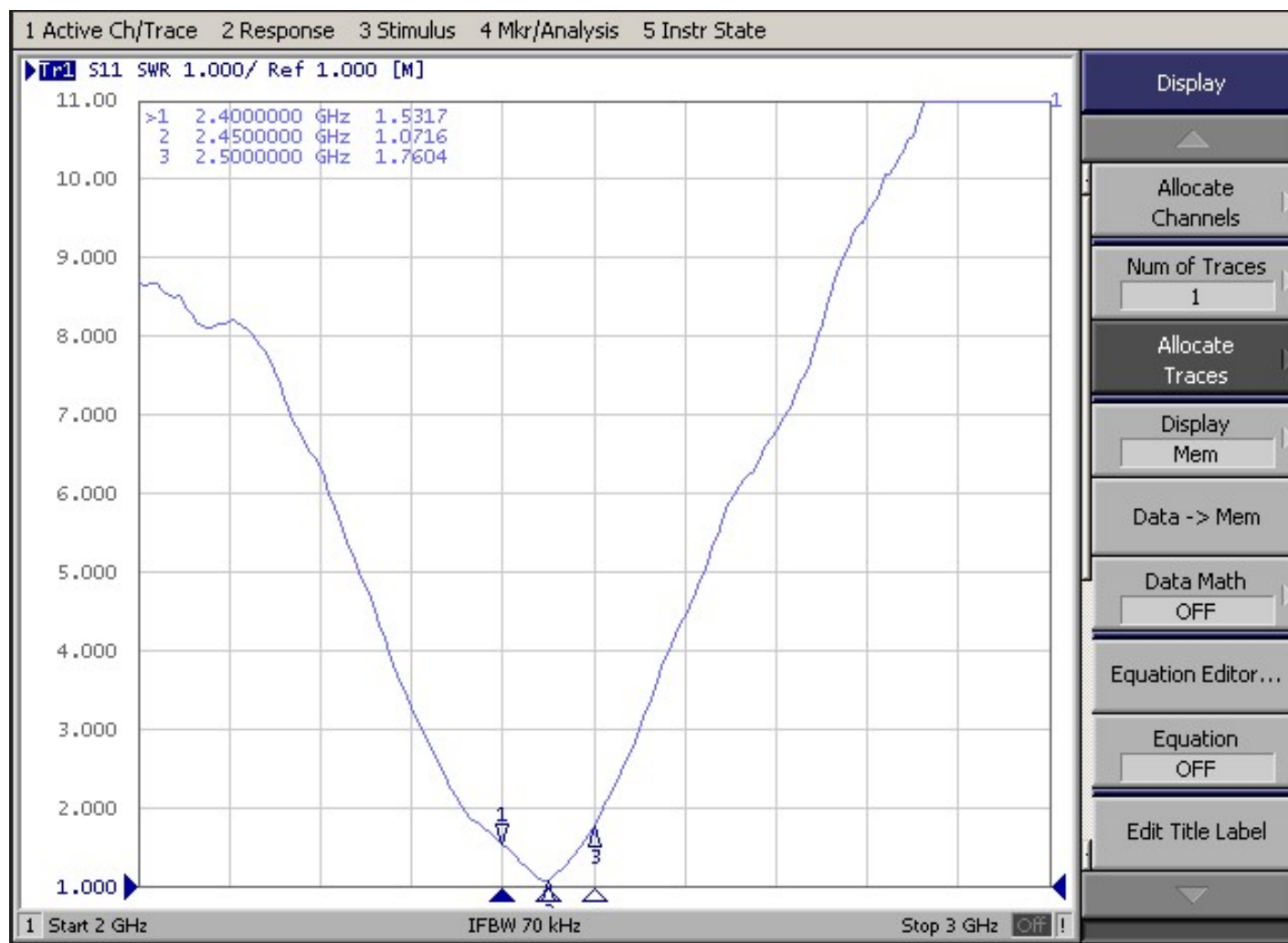


Theta axis test

天线图片



2.4G天线驻波图

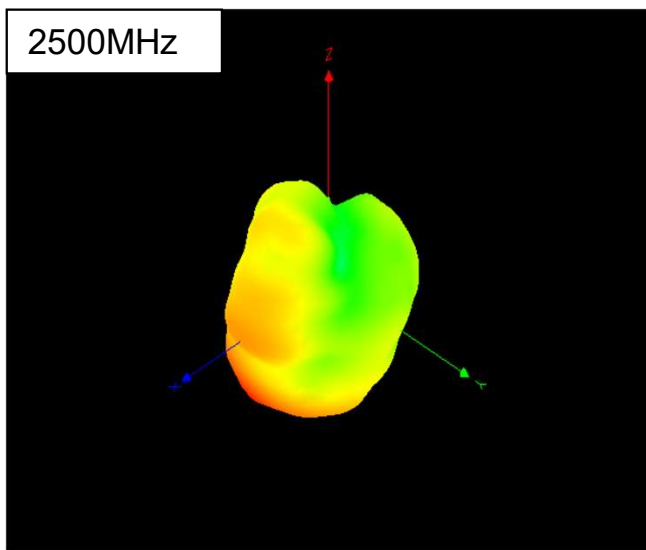
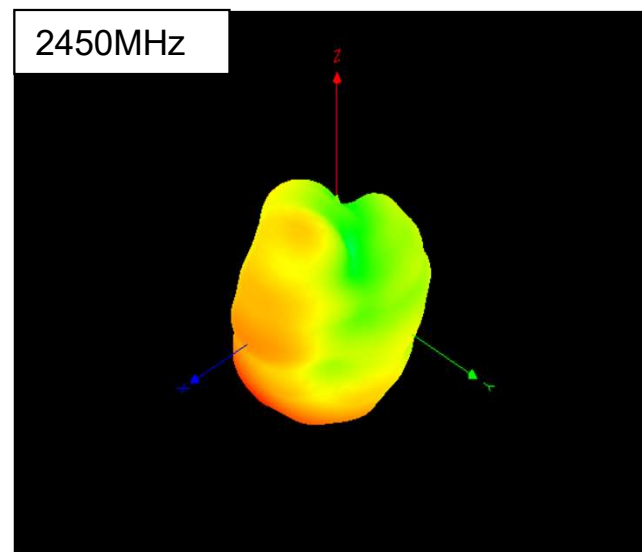
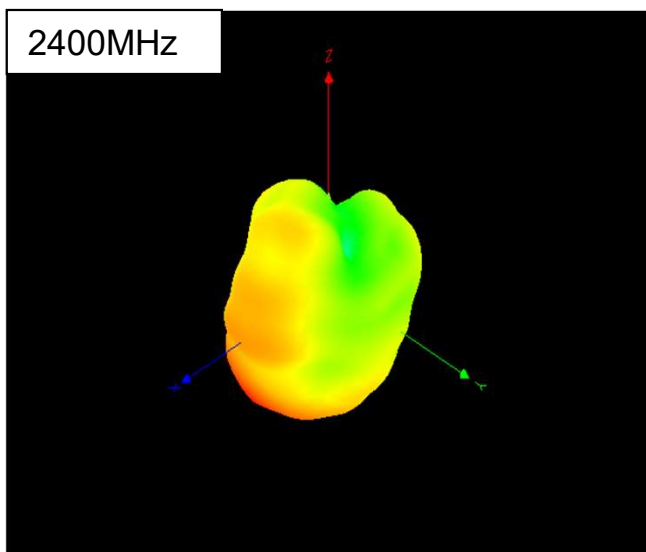


测试设备: Agilent E5071B

2.4G 测试数据

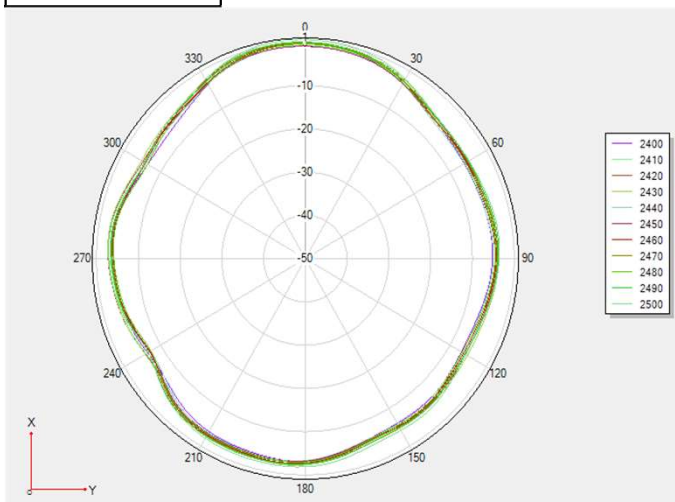
Frequency / MHz	Efficiency / %	Gain/ dBi
2400	35.32	2.54
2410	34.59	2.92
2420	38.02	2.54
2430	37.84	2.44
2440	32.51	2.56
2450	32.21	2.25
2460	38.37	2.94
2470	36.39	2.73
2480	32.06	2.83
2490	33.65	2.95
2500	38.28	2.77

方向图 3D图

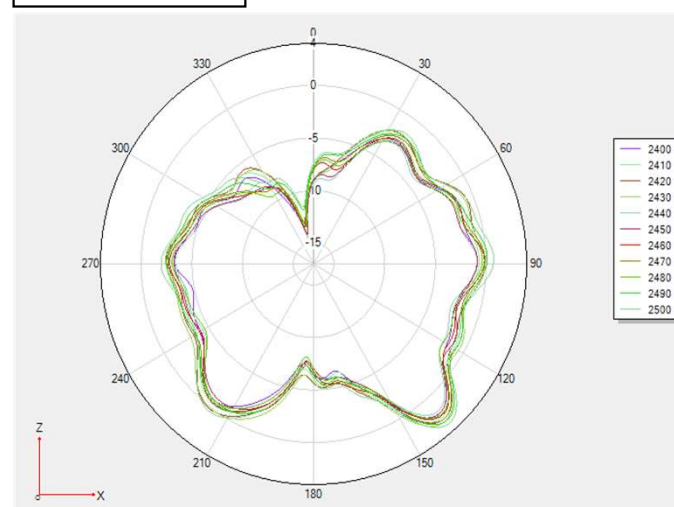


方向图 2D图

XOY面



ZOX面



ZOY面

