



河源市迅维微波通讯技术有限公司

沃特-RE740

WiFi天线测试报告

Wifi Antenna Test Report

射频工程师: 陈传名

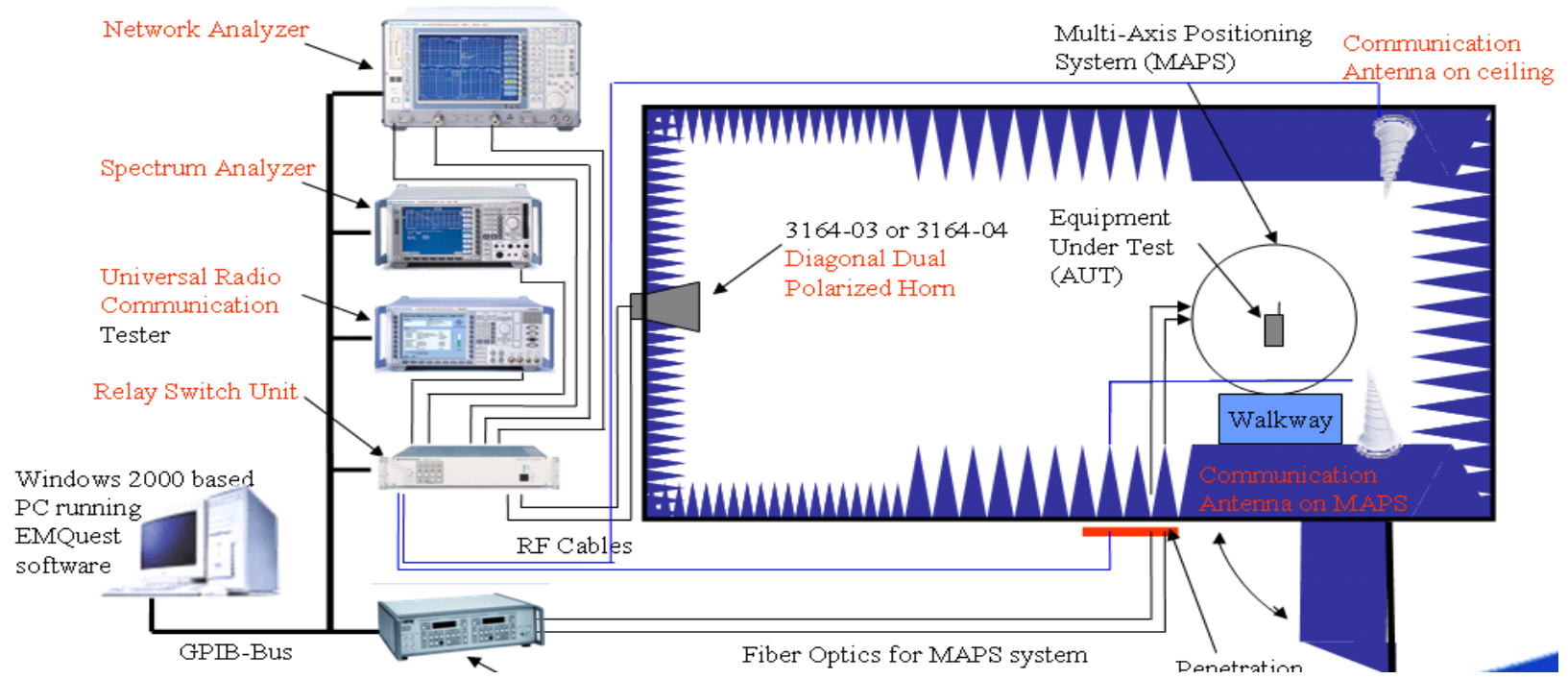
测试日期: 2022.10.14

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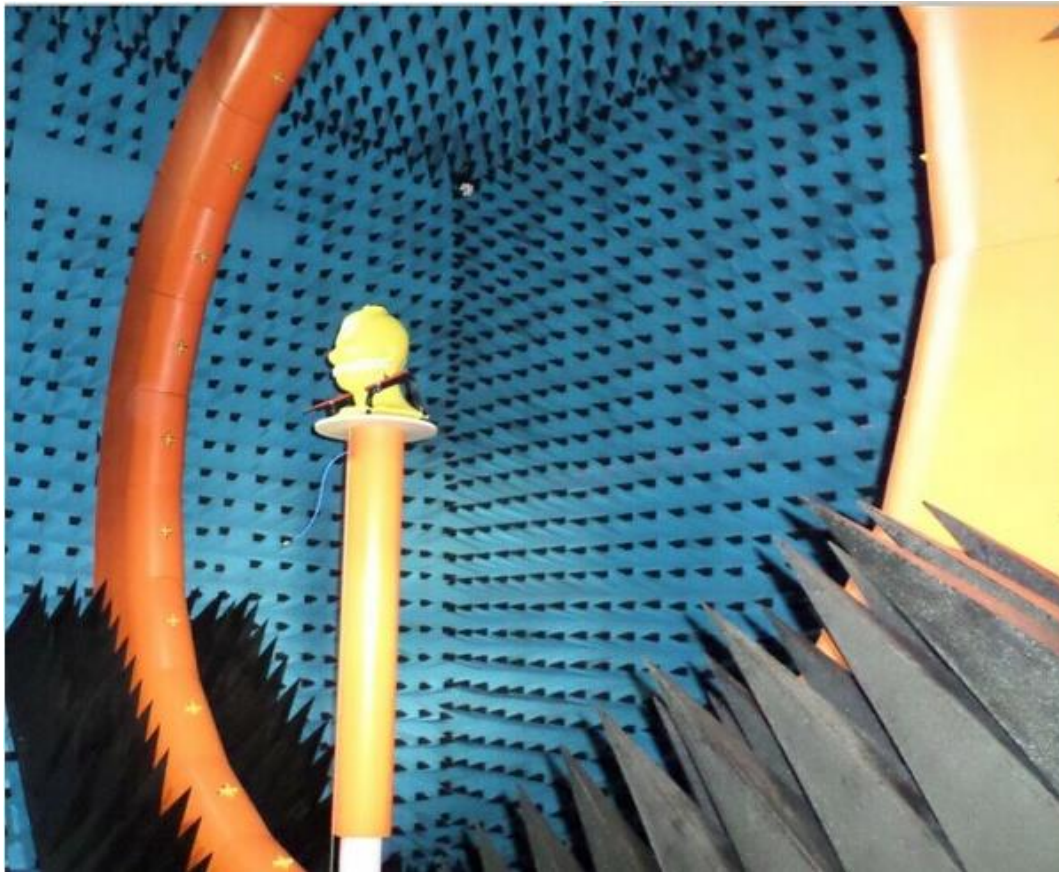
# 1、测试设备 test equipment

Equipment	Manufacturer	Model Number	Last Cal	Due Date
Network Analyzer	Agilent	5071C	2022.06.18	2022.12.18
Integrated test instrument	Rohde&Schwarz	CMW500	2022.07.22	2023.01.22
Microwave anechoic chamber	SATIMO	SG24	2022.06.18	2022.12.18



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# 1. 测试方法 test method

Test standard & procedure:

Antenna performance	Radiation efficiency	IEEE Standard Test Procedures for Antennas	ANSI/IEEE Std 149- 2021
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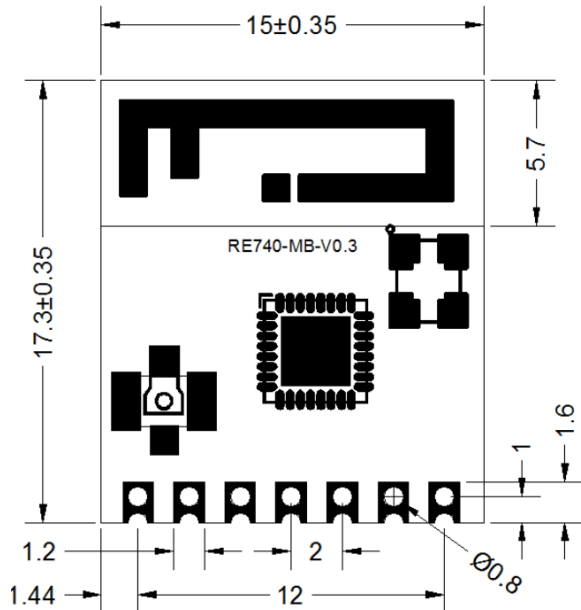
## 2、项目基本信息 Basic information of the project

客户名称	沃特
项目名称	RE740
手机类型	板载WiFi Onboard Antenna
主板型号	
小板型号	
版本	V1.1



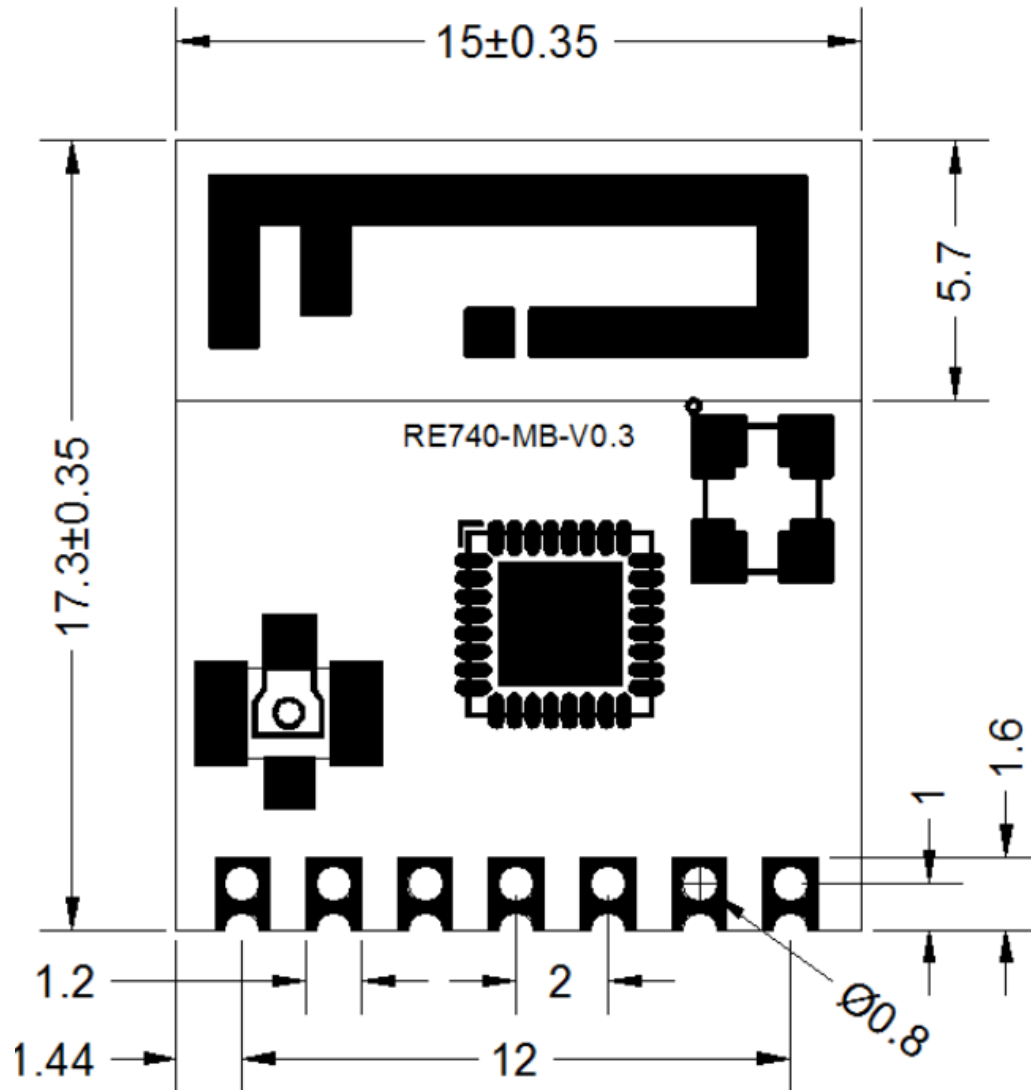
# 4、天线匹配电路Antenna matching circuit

天线名称	匹配是否更改	备注
WiFi	否	





# 5、天线图片 Antenna Photo

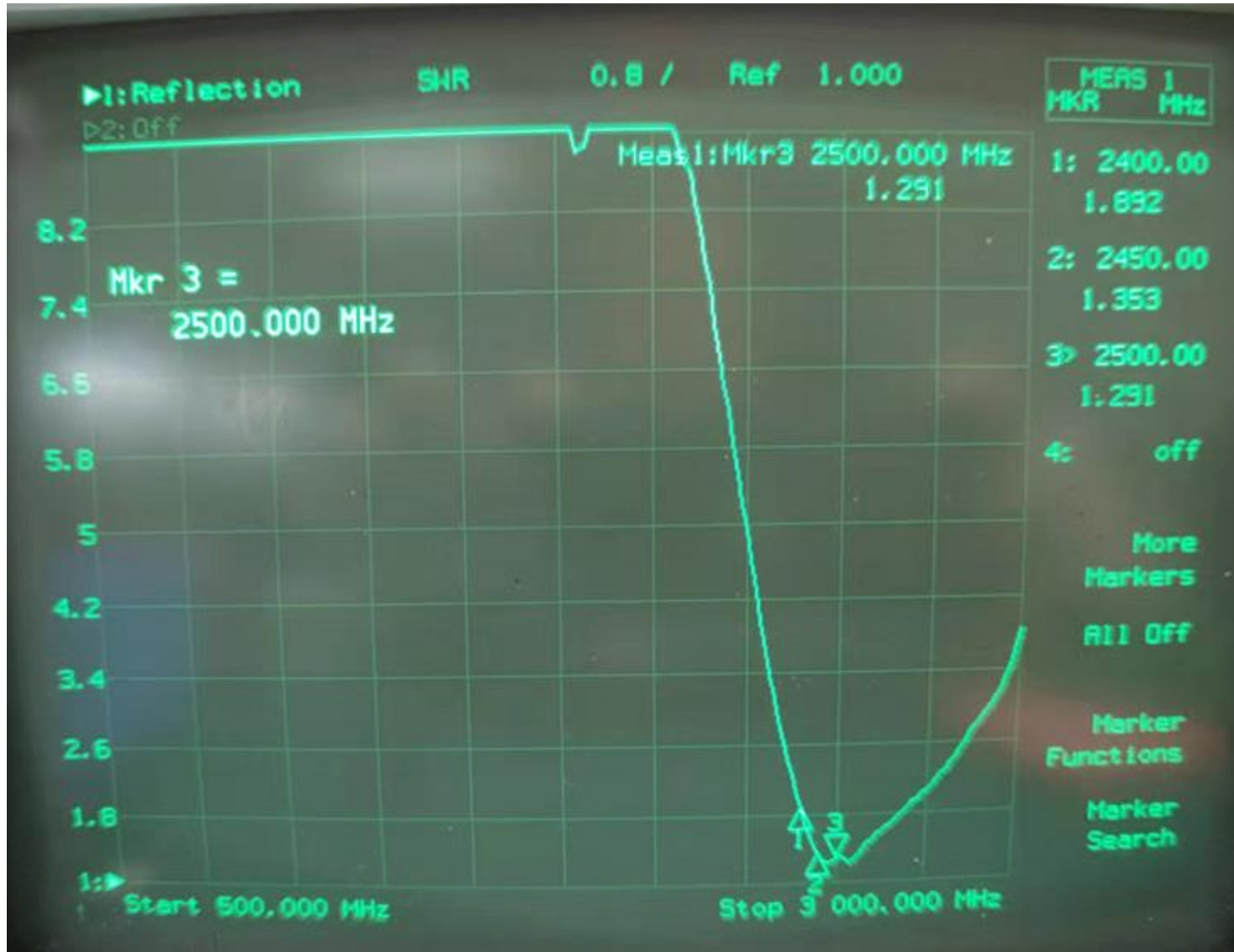


## 6、WIFI有源测试数据 WIFI active test data

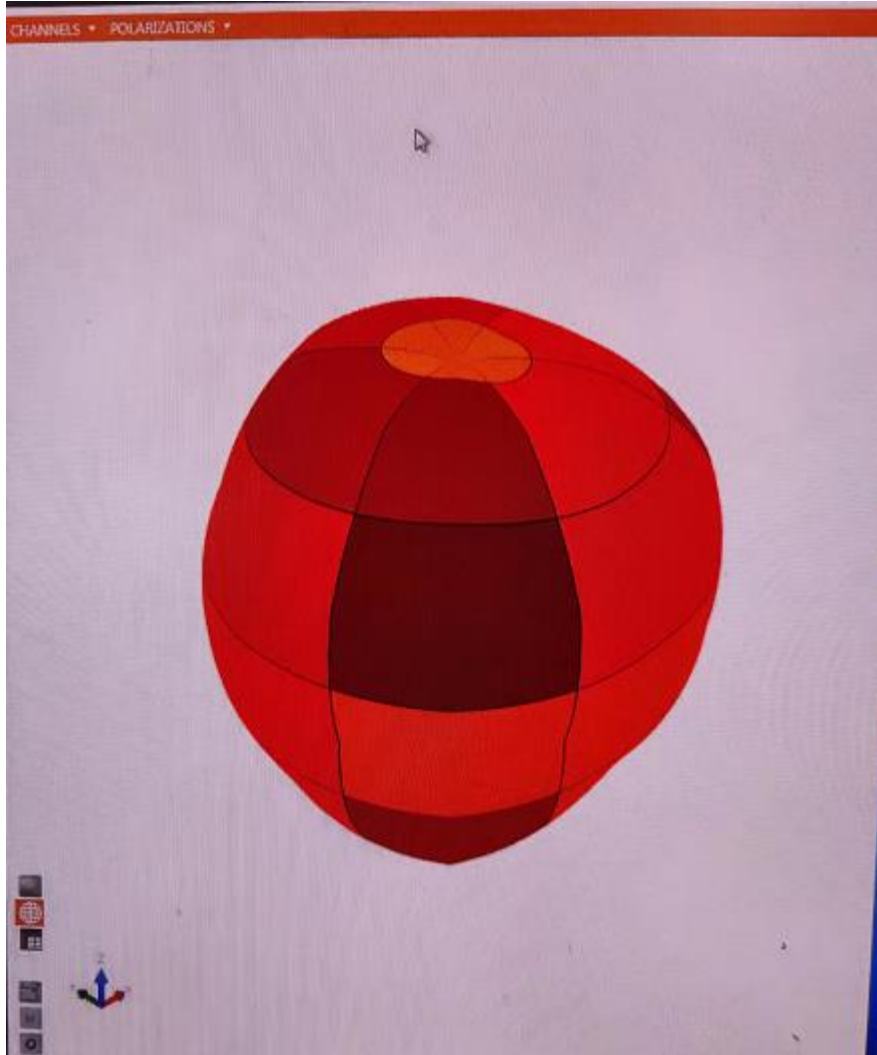
### 3D测试数据 3D test data

Band	Channel	TRP	TIS
WIFI-B (11M)	1	14.03	-84.64
	7	14.15	-82.76
	13	14.31	-85.59
WIFI-G (54M)	1	11.57	-70.58
	7	11.61	-65.62
	13	11.72	-64.98
WIFI-N (65M)	1	11.19	-67.62
	7	11.21	-61.65
	13	11.58	-60.52

# 7、无源驻波图 Passive VSWR diagram



# 7.1、苹果图



## 7.2、无源效率测试 Passive efficiency test

<b>Freq (MHz)</b>	<b>EFFI% (%)</b>	<b>Gain (dBi)</b>
<b>2390</b>	40	1.85
<b>2410</b>	39	1.72
<b>2430</b>	38	1.51
<b>2450</b>	37	1.35
<b>2470</b>	35	1.30
<b>2490</b>	32	1.26
<b>2510</b>	31	1.37

# 8、联系我们

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Thanks and best regards!

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