



河源市迅维通讯技术有限公司
Heyuan Xunwei Communication Technology Co., Ltd

RE853

WiFi天线测试报告

WiFi Antenna Test Report

RF: Liwenbo

测试日期date of observation : 2025.08.12

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1、测试设备 **Test equipment**

综测仪 **Integrated measuring instrument** : CMW500

Software version: R&D V3.58

3D暗室 **3D darkroom** : SATIMO SG24

Software version: WAVESTUDIO V1.69



设备列表device list

Equipment	Manufacturer	Model Number	Last Cal	Due Date
Network Analyzer	Agilent	5071C	2025. 06. 18	2026. 06. 18
Integrated test instrument	Rohde&Schwarz	CMW500	2025. 07. 22	2026. 07. 22
Microwave anechoicchamber	SATIMO	SG24	2025. 06. 18	2026. 06. 18

2、项目基本信息Basic project information

客户名称Customer Name	Water world
项目名称entry name	RE853
机器类型Machine type	WIFI
版本version	V1.1

3、有源测试数据Active test data

Band	Channel	TRP	TIS
WIFI-B (11M)	1	15.27	-82.87
	7	14.43	-82.27
	13	15.05	-81.1

4、无源测试数据Passive test data

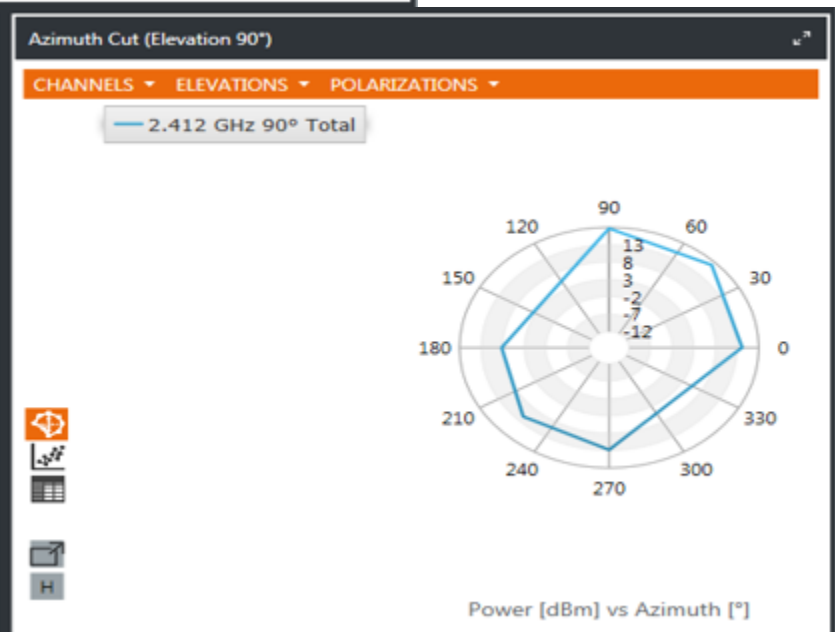
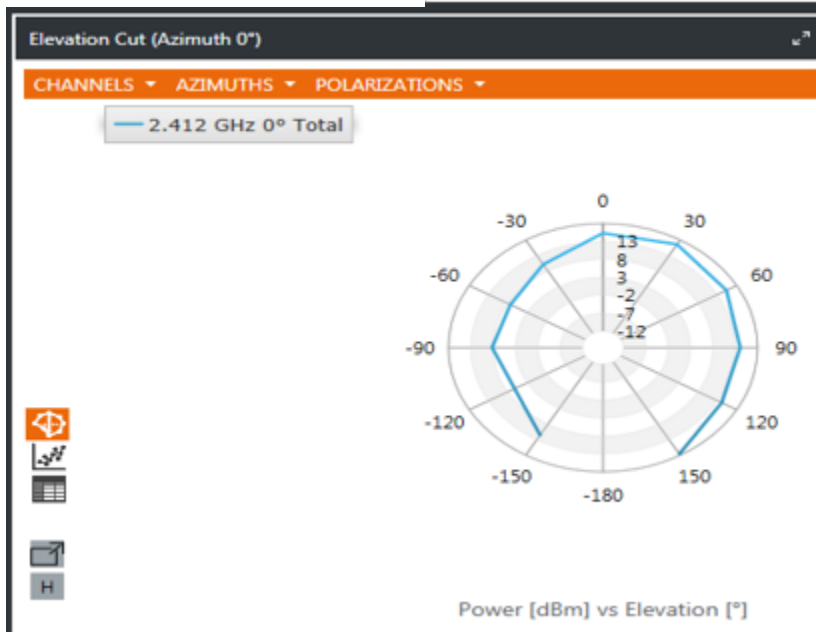
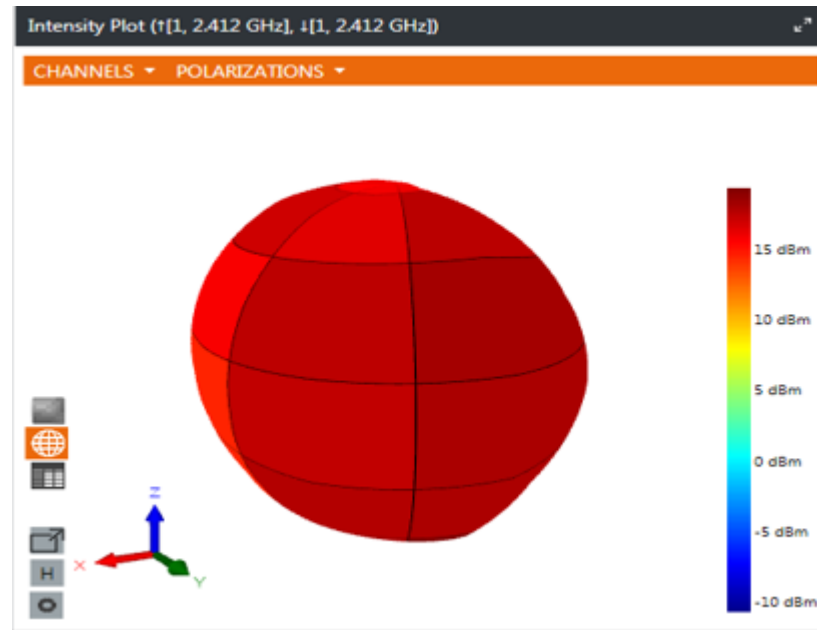
Passive Test For 2.4G效率/增益		
Frequency(MHZ)	Gain(dBi)	Efficiency (%)
2400	2.05	41.07
2410	2.11	40.85
2420	2.33	40.79
2430	2.84	43.81
2440	2.81	44.11
2450	2.82	42.83
2460	2.81	42.74
2470	2.82	43.91
2480	2.83	43.94
2490	2.84	42.6
2500	2.81	42.43

5、驻波图（回波损耗及电压驻波比）

Standing wave diagram (return loss and voltage standing wave ratio)



6、苹果图/方向图 Apple Diagram/Directional Diagram

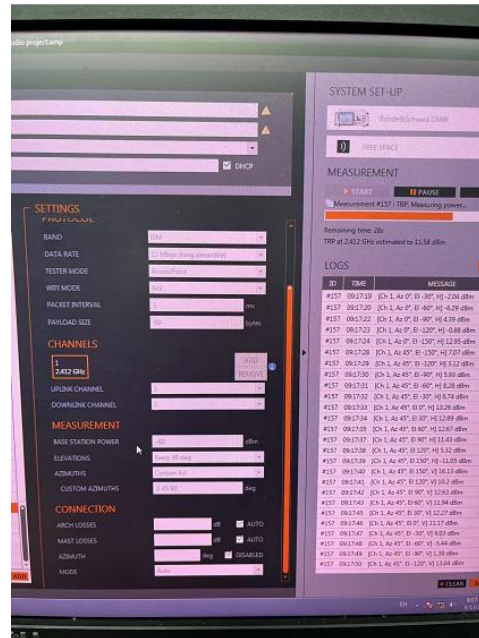
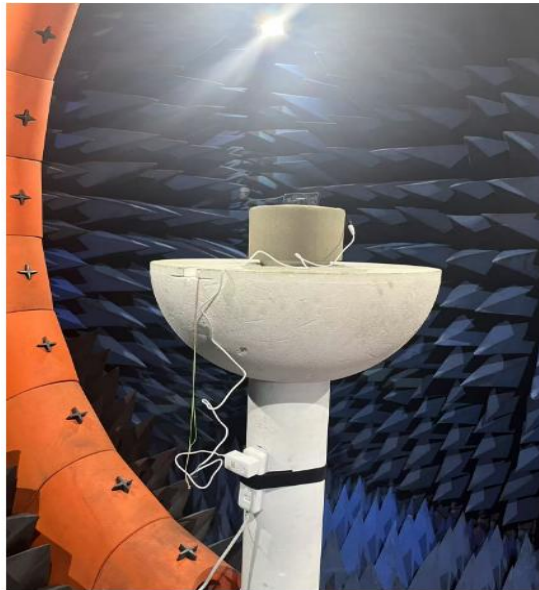


7、天线测试Antenna test



测试标准：被测物竖直左右居中对称
摆放在海绵夹具内。

Test standard: The tested object is vertically,
horizontally, and symmetrically centered
Placed inside the sponge fixture.



测试设置图片Test Settings
image

8、天线外观图片及摆放位置

Antenna appearance picture and placement position



天线单体 Antenna monomer



天线装配位置 Antenna assembly position



Thanks and best regards!

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