



河源市迅维通讯技术有限公司

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RE797

板载WiFi天线测试数据表

Onboard WiFi Antenna Datasheet

RF: Chen

测试日期date of observation : 2023.02.07

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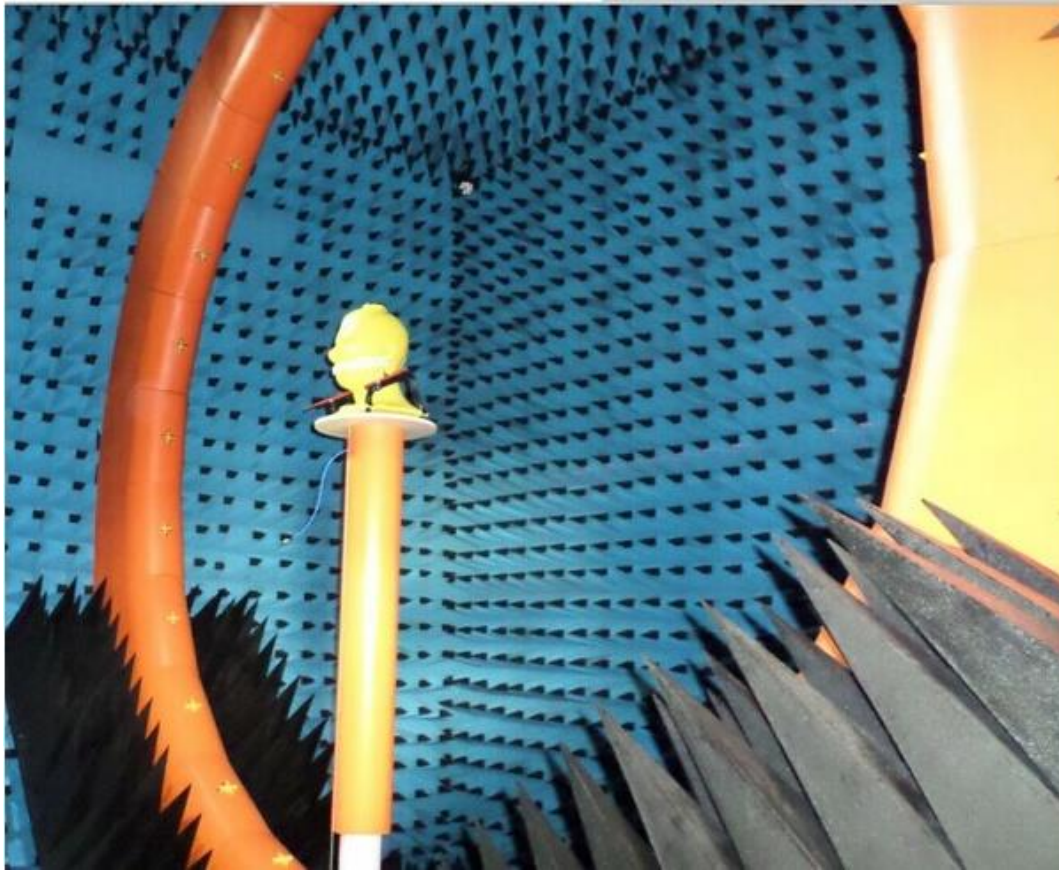
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1、测试设备 **Test equipment**

综测仪 **Integrated measuring instrument** : CMW500

网络分析仪 **network analyzer** : Agilent 5071B

3D暗室 **3D darkroom** : SATIMO SG24



2、项目基本信息Basic project information

客户名称Customer Name	Water world
项目名称entry name	RE797
机器类型Machine type	板载WIFI开关 Onboard WIFI switch
版本version	V1.2

3、项目变更记录表Project Change Record Form

[illegible]

4、天线匹配电路Antenna matching circuit

天线名称 Antenna name	匹配是否更改 Match whether to change	备注 notes
板载WIFI Onboard WIFI	否NO	

5、有源测试数据Active test data

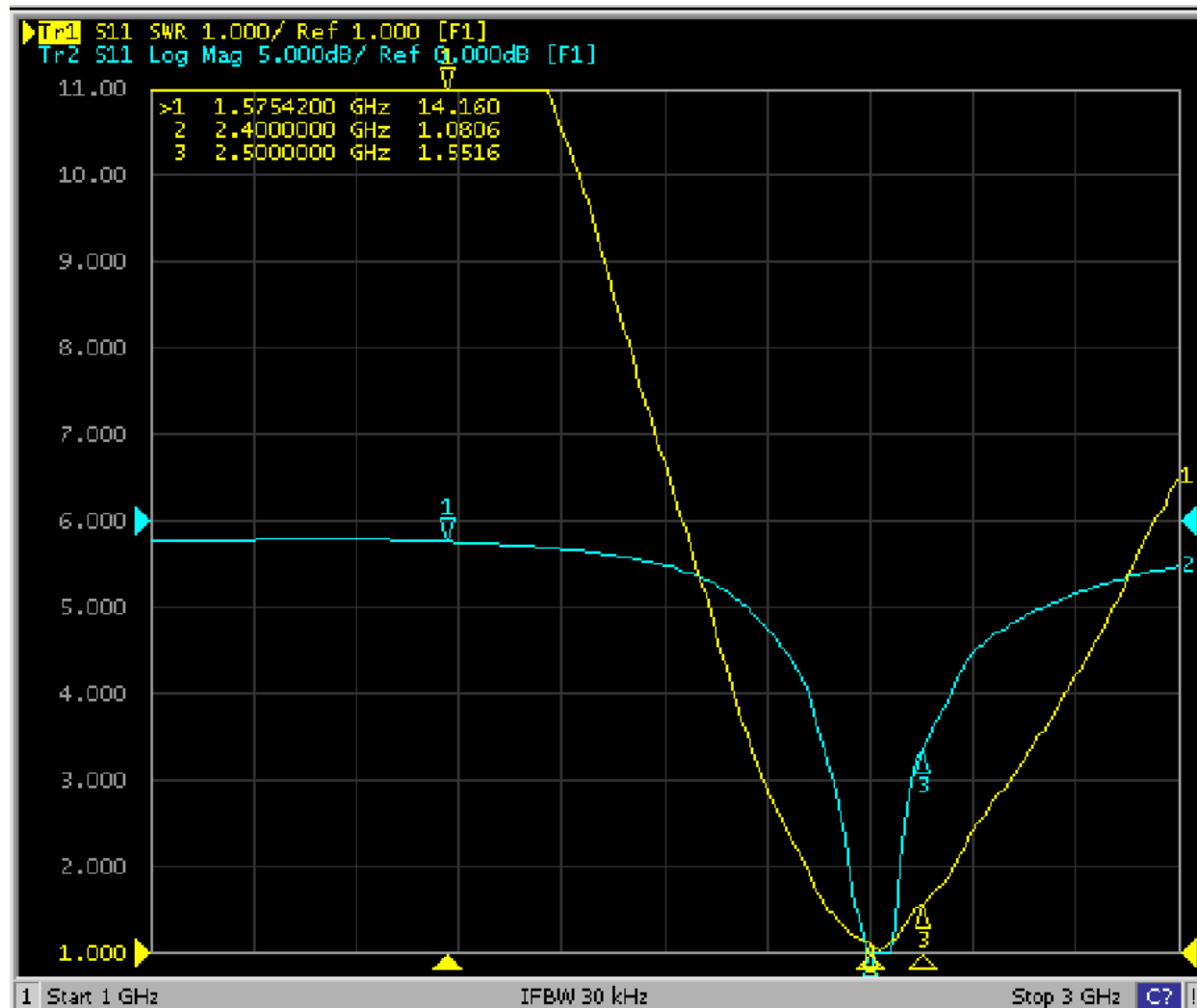
Band	Channel	TRP	TIS
WIFI-B	1	16.31	-84.48
	7	16.35	-84.51
	13	16.65	-84.81
WIFI-G	1	15.70	-72.11
	7	15.73	-72.19
	13	15.81	-72.88

6、无源测试数据Passive test data

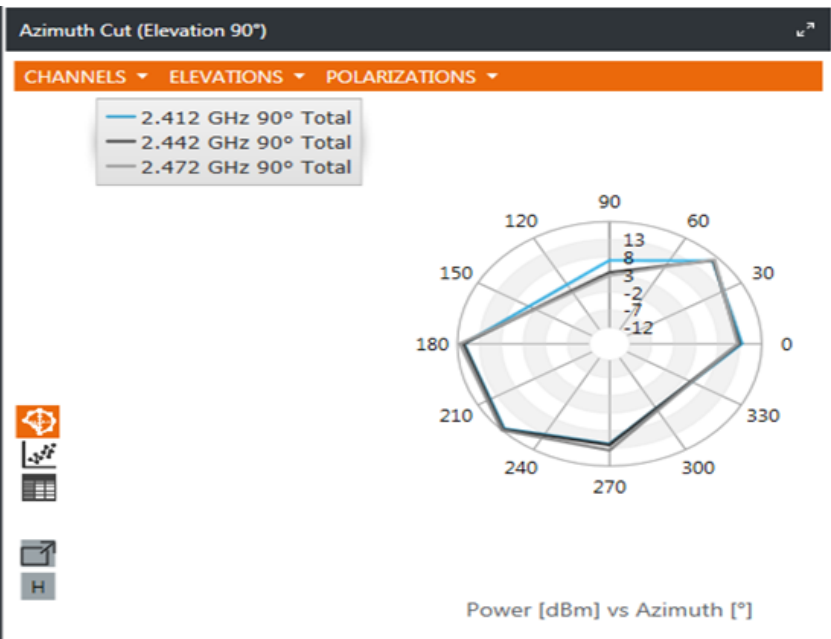
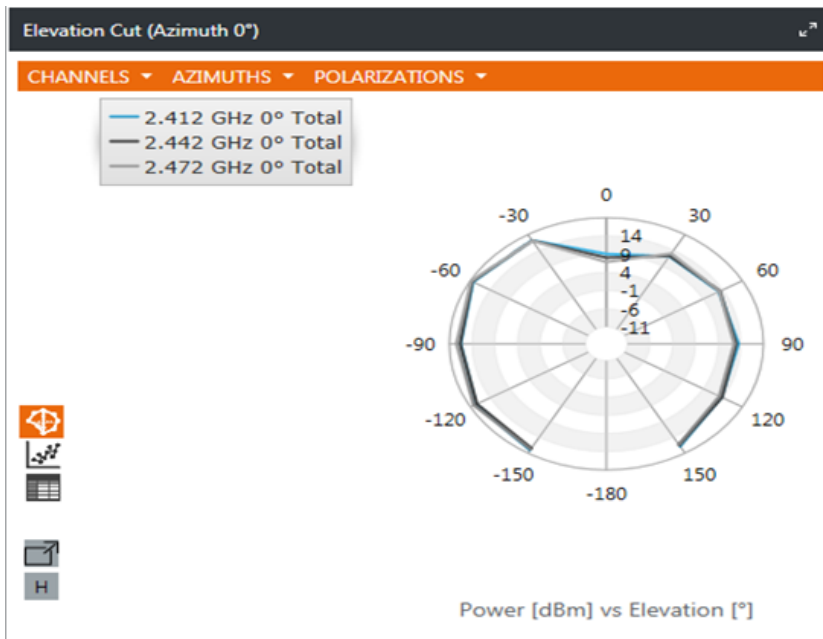
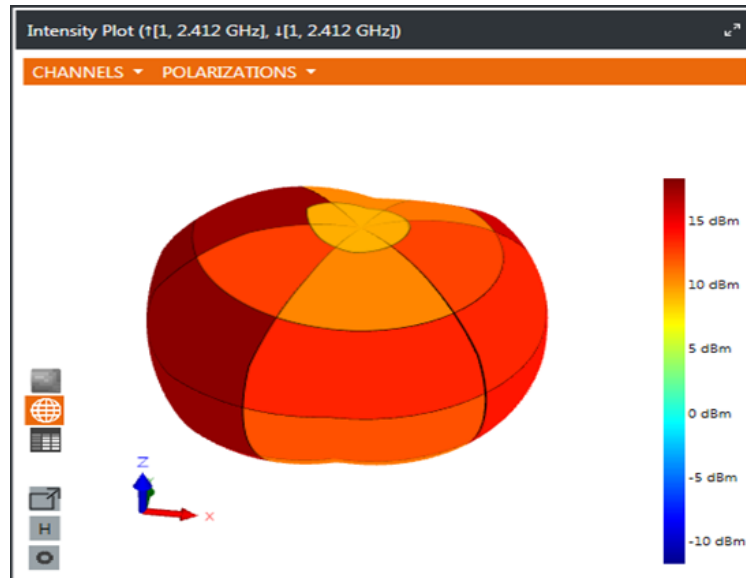
Passive Test For 2.4G效率/增益Efficiency/Gain		
Frequency(MHZ)	Efficiency (%)	Gain(dBi)
2400	46	1.1
2410	47	1.2
2420	49	1.4
2430	50	1.4
2440	51	1.6
2450	52	1.8
2460	53	1.9
2470	51	1.6
2480	52	1.6
2490	50	1.4
2500	48	1.3

7、驻波图（回波损耗及电压驻波比）

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

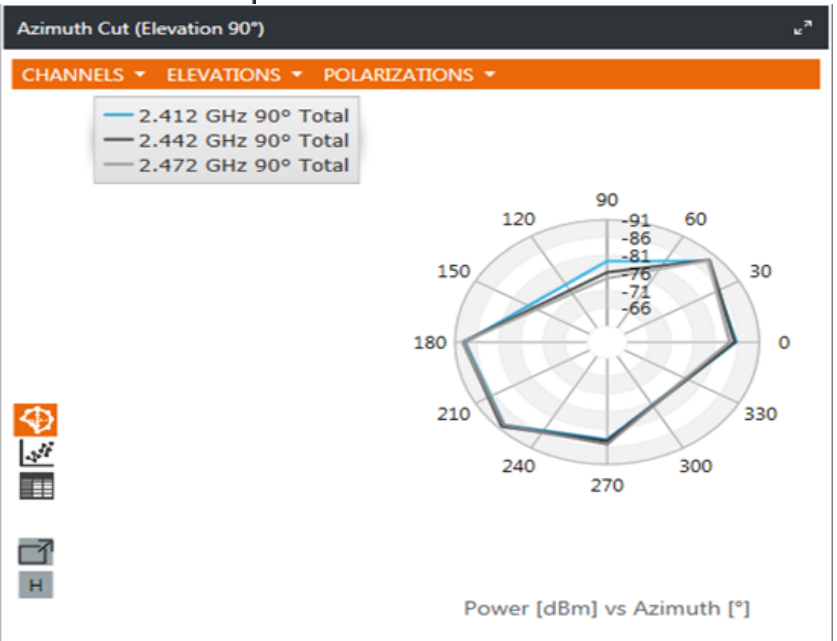
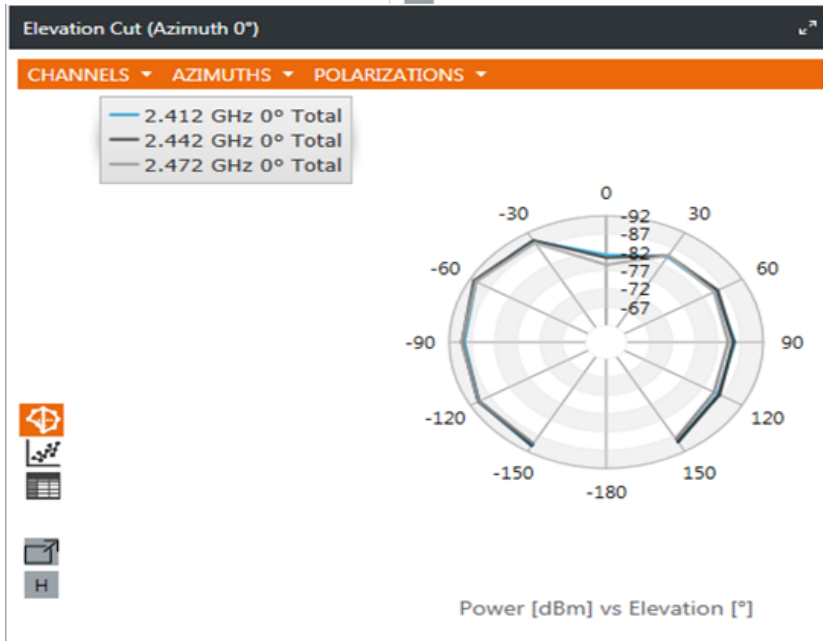
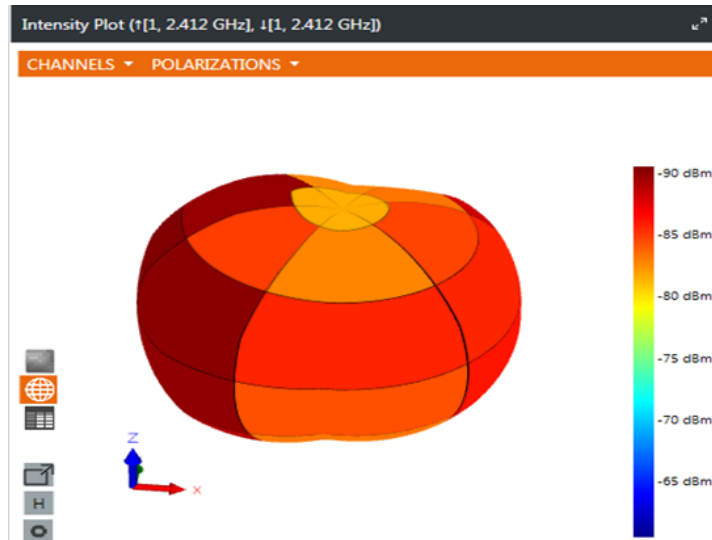


8、苹果图/方向图 (TRP) Apple Diagram/Directional Diagram (TRP)



8、苹果图/方向图 (TIS)

Apple Image/Directional Image (TIS)





Thanks and best regards!

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Zone, Heyuan City (5th Floor, Building C, Huahui Zhigu Factory)