

深圳市瑞龙微科技有限公司
TG24180 铜管天线测试报告
ShenZhen RuiLongWei S&T Co.,Ltd
Test Report of
TG24180 Copper tube antenna

名称(model name):

2.4GWIFI 铜管天线
(2.4G WIFI Copper tube antenna)

频率(Freq):

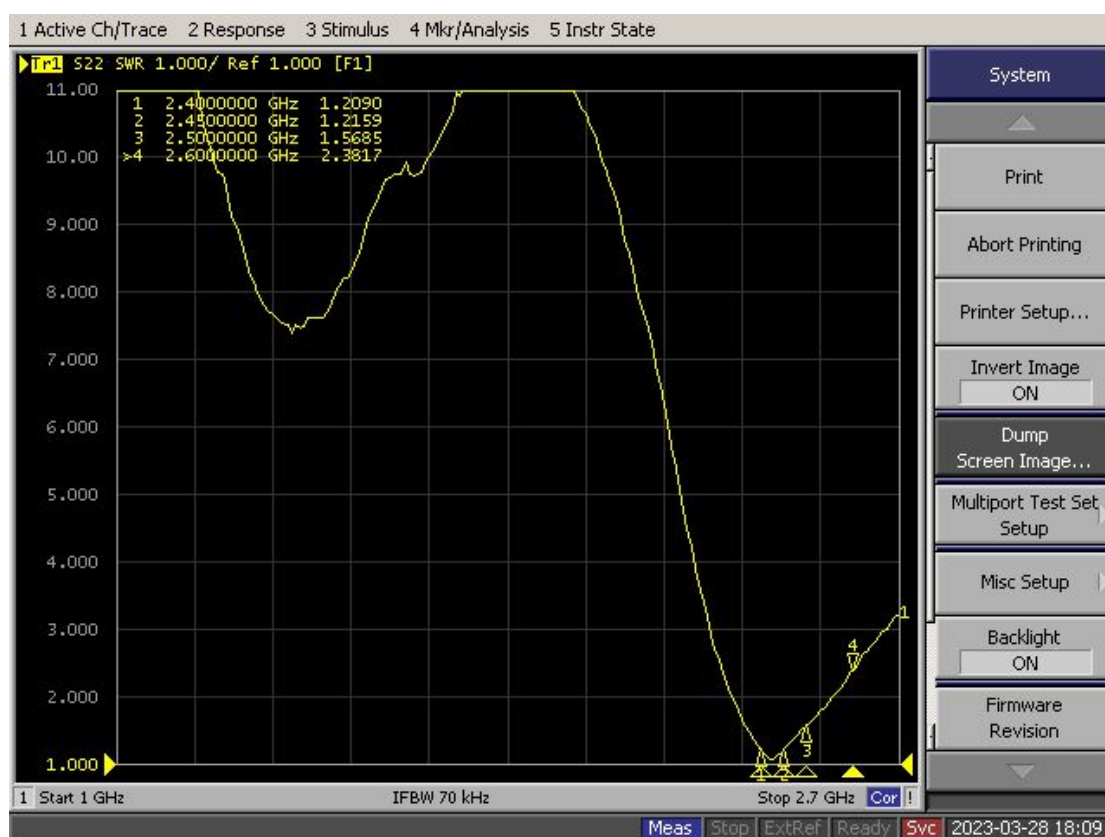
2.4G (WiFi)

一、产品实物图(Product image)



2.4GWIFI 铜管天线(2.4G WIFI Copper tube antenna)

二、VSWR（电压驻波比）/Return Loss（回波损耗）/Smith Chart（史密斯圆图）



2.4G（WiFi）

三、天线增益(Gain)

- 1、 [2.4G \(WiFi\) 天线](#)在 2400MHz-2500MHz 范围内增益达到 3.6dBi，
效率可达 70.39%

The Gain is upto 3.6dBi and efficiency is upto 70.39% in the frequency range between 2400MHz-2500MHz.

2400.0	2410.0	2420.0	2430.0	2440.0	2450.0	2460.0	2470.0	2480.0	2490.0	2500.0
-2.08	-1.98	-1.87	-1.76	-1.74	-1.67	-1.67	-1.57	-1.63	-1.52	-1.57
2.94	3.04	3.10	3.25	3.28	3.39	3.41	3.61	3.55	3.65	3.56
61.98	63.35	65.00	66.75	66.92	68.07	68.04	69.61	68.65	70.39	69.64

四、附件（天线增益、方向图）（the gain and directional pattern image of the antenna）：

[TG24180 铜管天线测试报告.et](#)

五、结论(conclusion)

此天线电参数和结构性能已达到技术要求，请确认！
The electrical parameters and structural performance of this antenna have met the technical requirements, please confirm!

天线参数

Design Specifications	Typical	Units
天线形式(antenna form Style)	铜管天线(Copper tube)	
工作频率 (working Frequency)	2400-2500	MHZ
增益(Gain)	3.65	DBi
天线效率 (Antenna efficiency)	35~85	%
电压驻波比 (VSWR)	<1.8	
极化方式 (Ploriaztion)	垂直极化	
辐射方向 (Radiation pattern)	全向	
馈电阻抗 (impedance)	50	ohm
功率容量 (Power handling)	33	dbm
天线接口 (Interface)	一代端子	TRS
天线尺寸 (Overall dimensions)	180	mm
重量 (Weight)	NA	
工作温度 (Operatin Temp)	-30-80	℃
储存温度 (Storing Temp)	-30-80	℃

note: This report is only responsible for testing the prototype, and there may be certain differences in testing methods and instruments between different enterprises.