

产品规格说明书
PRODUCT SPECIFICATION

客户签名:
日期:

产品名称 Product Name::
GTW800 antenna

产品编码 Product Code:
GTW800 antenna

客户编码:
CUSTOMER NUMBER

编写Write by: 柳海威 Liu Haiwei

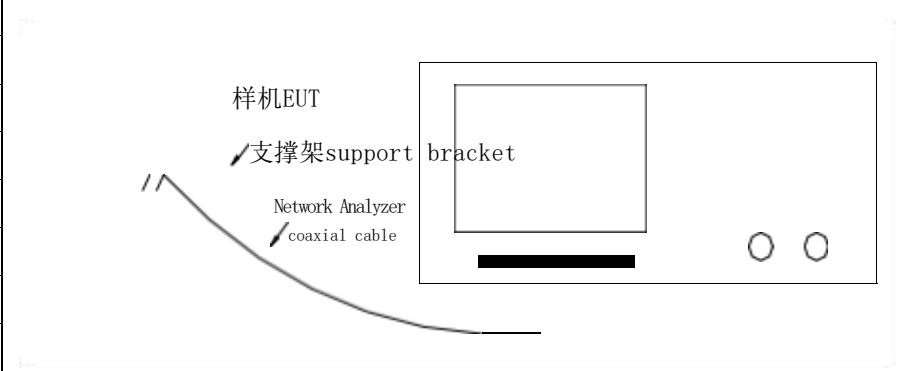
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日期Date: 2025.12.18

深圳偕创科技有限公司
Shenzhen Xiechuang Technology Co., Ltd

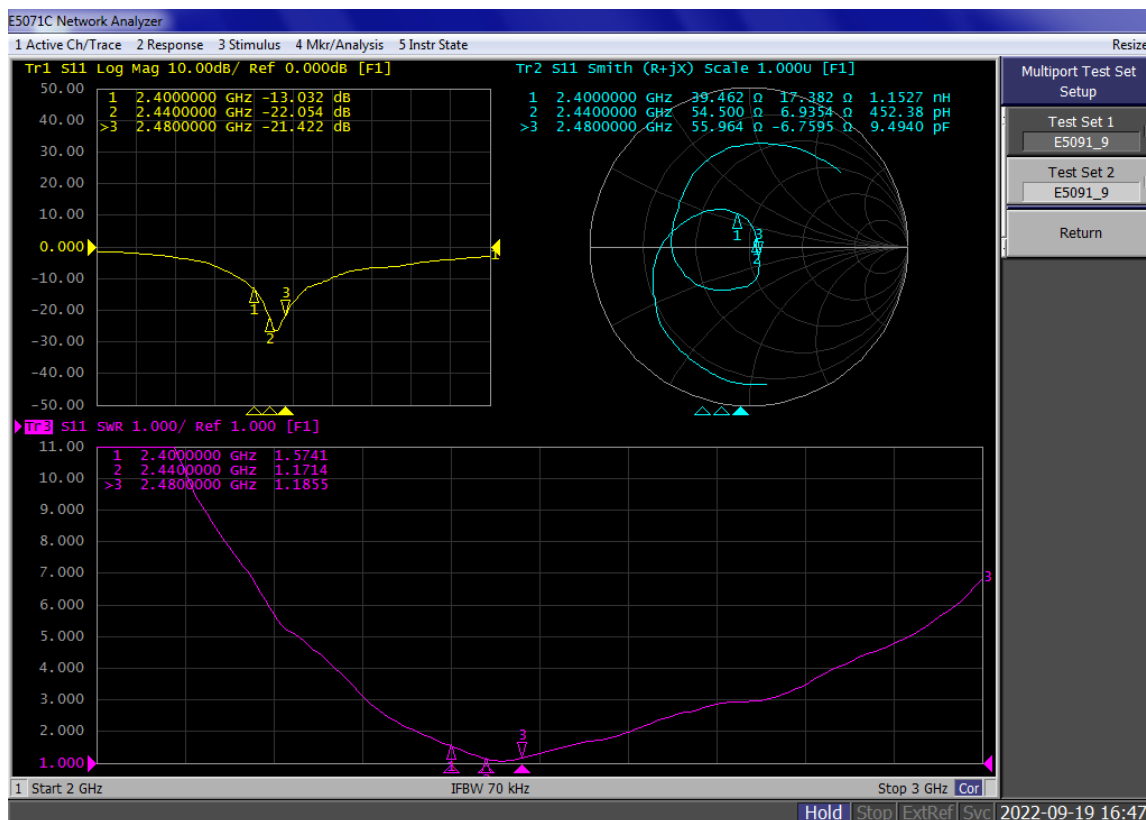
天 线 规 格 书		
Antenna specification sheet		
品 名 Product Name		GTW800 antenna
机 型 model		GTW800
电 气 性 能	1. 带宽 bandwidth	2.402GHz~2.480GHz
	2. 输入阻抗 input impedance	50 Ω
	3. VSWR	与指定的样机装配时，自然放置进行测定。When assembling with the designated prototype, place it naturally for measurement.
		2.402GHz~2.480GHz
		VSWR<1.6
	4. GAIN	Peak Gain (dBi) -2.693 Average Gain (dBi) >-7.339
	天线形态 Antenna form	Plannar Inverted F on board
		测试方法：Test method:
		1、 将待测天线(DUT)装配在指定的样机上。
		2、 用50 Ω 同轴电缆连接测试件上的测试点和网络分析仪，测试电
		缆上加装磁环， 以减少感应电流的影响。
		3、 将样机放在高度为20 cm的支架上 ， 测试OPEN或CLOSE时的VSWR。
		4、 按下图装设测试电路。
		5、 测试环境无特别规定。（周围无较大金属物，在常温常湿中进行）
		1. Assemble the DUT antenna onto the designated prototype.
		2. Connect the test point on the test piece to the network analyzer using a 50 Ω coaxial cable, and install a magnetic ring on the test cable to reduce the influence of induced current.
		3. Place the prototype on a bracket with a height of 20 cm and test the VSWR when OPEN or CLOSE.
		4. Install the test circuit according to the following diagram.
		5. There are no special regulations for the testing environment. (No large metal objects around, conducted at

	room temperature and humidity)
	
4.容许功率 power	1W
5.工作温度 Operating Temperature	-25~+65℃
6.保存温度 storage temperature	-40~+85℃

天线规格书

Antenna specification sheet

品名 Product Name	GTW800 antenna
机型 model	BLE RGB Bluetooth controller



RETURN LOSS

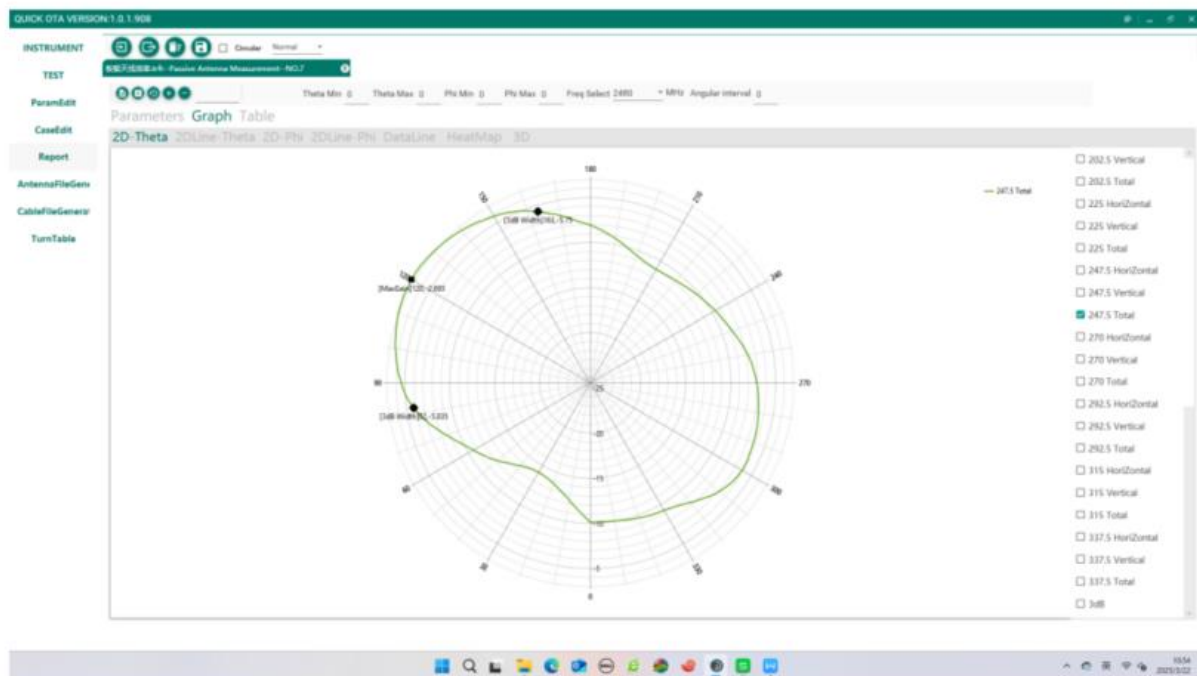
天线规格书

Antenna specification sheet

品名 Product Name	GTW800 antenna
机型 model	BLE RGB Bluetooth controller

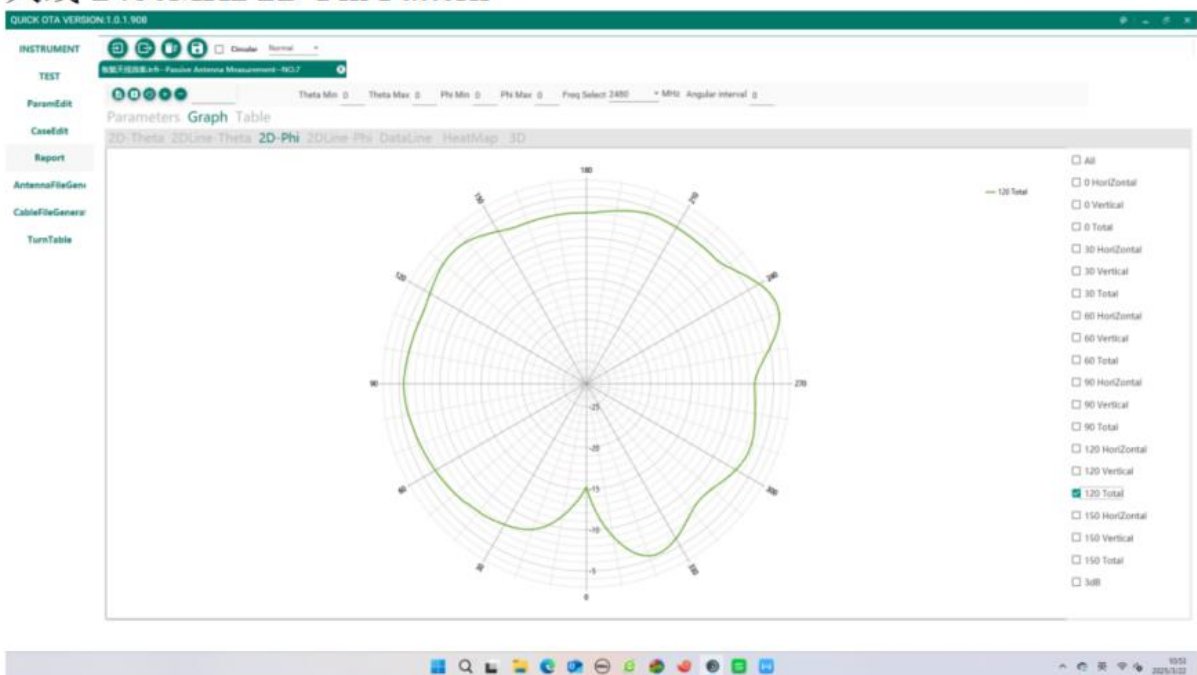
天线Antenna 2480MHz 2D-Theta Pattern

天线 2480MHz 2D-Theta Pattern



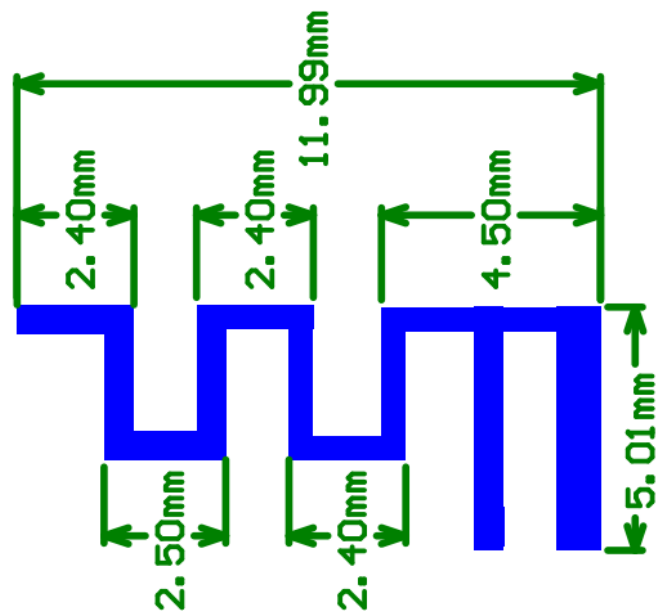
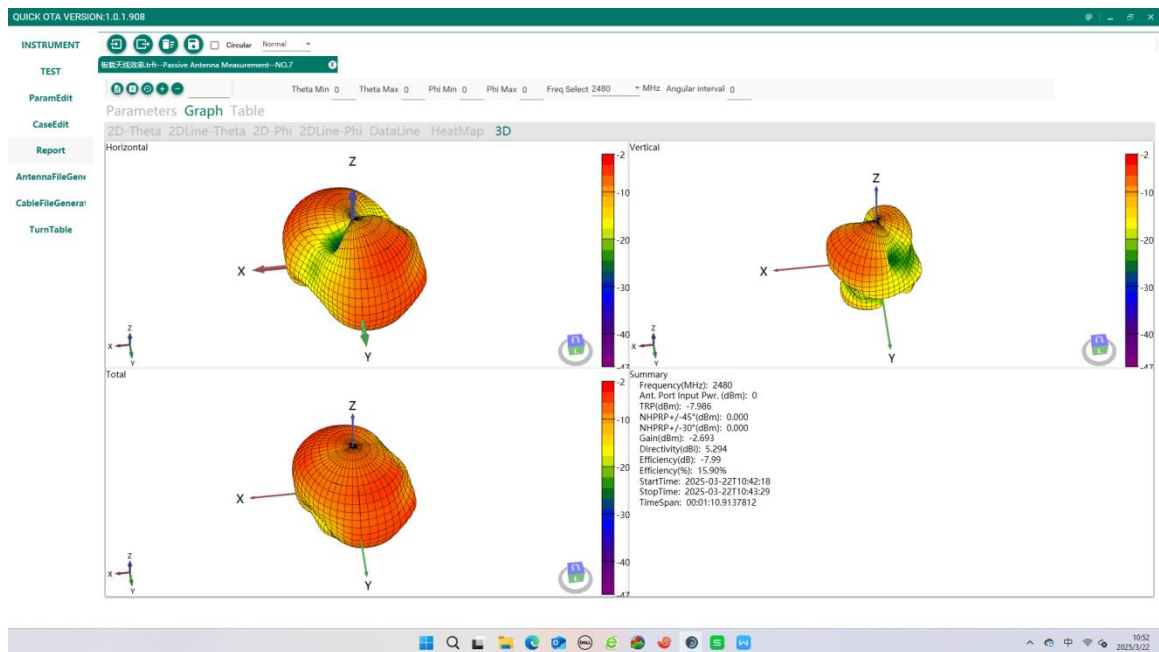
天线Antenna 2480MHz 2D-Phi Pattern

天线 2480MHz 2D-Phi Pattern



天线Antenna 2480MHz 3D Pattern

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天线尺寸图Antenna size diagram