

天线规格书

Antenna specification sheet

版本edition: V2.0

更新日期Update Date: 2020 年 07 月 20 日

工厂地址: 东莞市大岭山镇马蹄岗湖畔富宝工业园**B2栋2楼**

Factory

Add.:2 floor, B2 building, Fu Bao Industrial Park, Dongguan.

TEL: 0769-82868788 0755-27830355/56

29685630/31/32

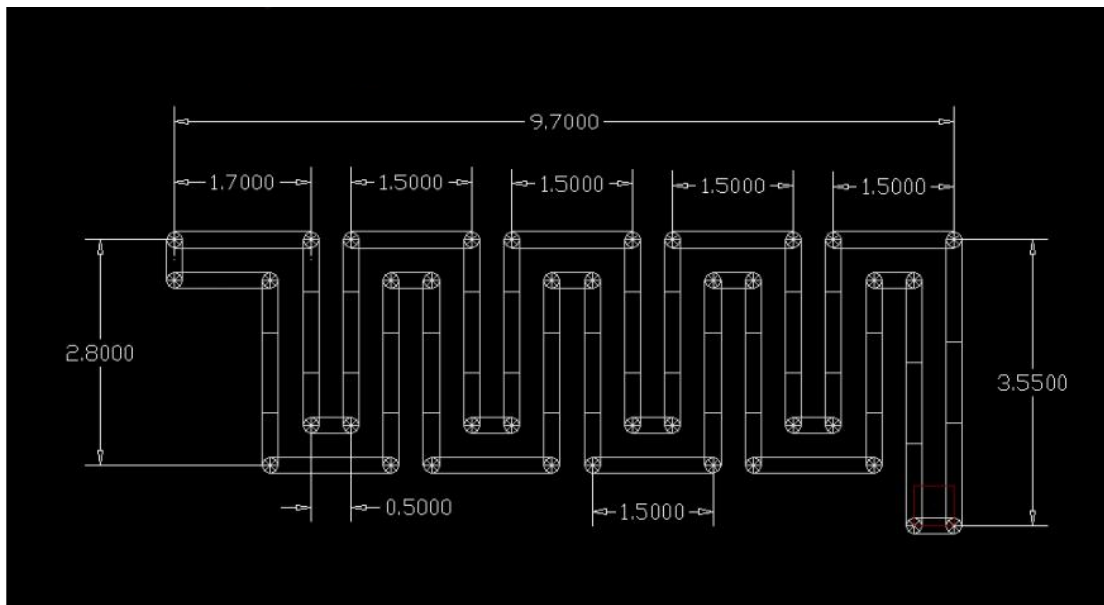
FAX: 0755-27830359

Web: www.top-tek.cn

目录catalogue

- 1 、 天线尺寸Antenna size (size: mm)
- 2 、 天线规格参数Antenna specifications and parameters
- 3 、 天线网分调试频率Antenna network debugging frequency
- 4 、 天线测试效率Antenna testing efficiency
- 5 、 2D 图 chart
- 6 、 3D 图 chart

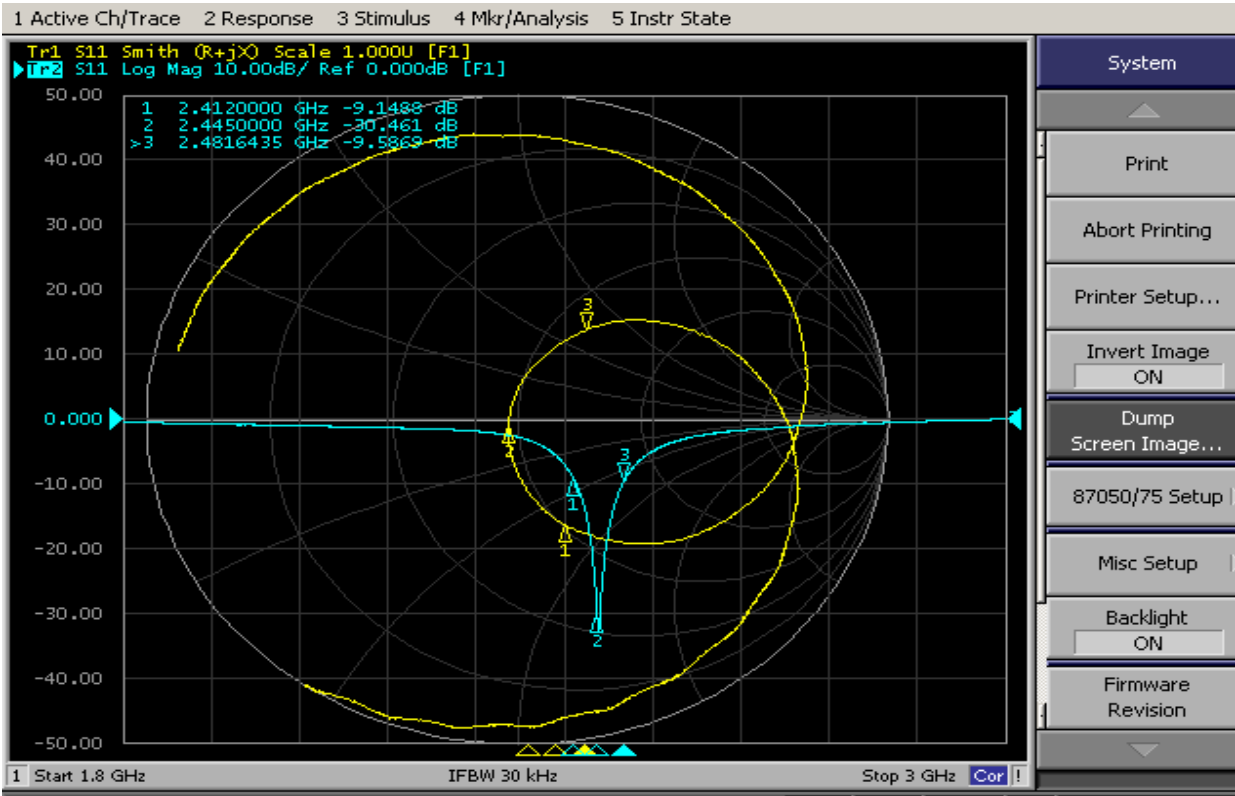
1 、天线尺寸Antenna size (size: MM)



2 、 天线规格参数Antenna specifications and parameters

序号Serial number	参数项Parameter items	详细说明detailed description
1	中心工作频率Central operating freq	2441MHz
2	工作带宽Working bandwidth	2408---2480MHz
3	数据传输速率Data transmission rate	1Mbps, 2Mbps
4	天线类型 Antenna type	板载 PCB 天线 (默认)Onboard PCB antenna (default)
5	天线增益Antenna gain	-3.0dBi
6	阻抗impedance	50ohm
7	调制类型modulation type	GFSK

3 、 天线网分调试频率Antenna network debugging frequency



天线频率在 2.445GHz 的回波损耗为-30dB，阻抗在 50 左右。带宽 80m

序号 参数项 详细说明 The return loss of the antenna frequency at 2.445GHz is -30dB, and the impedance is around 50. Bandwidth 80m

Detailed description of serial number parameter items

4 、 天线测试效率 Antenna testing efficiency

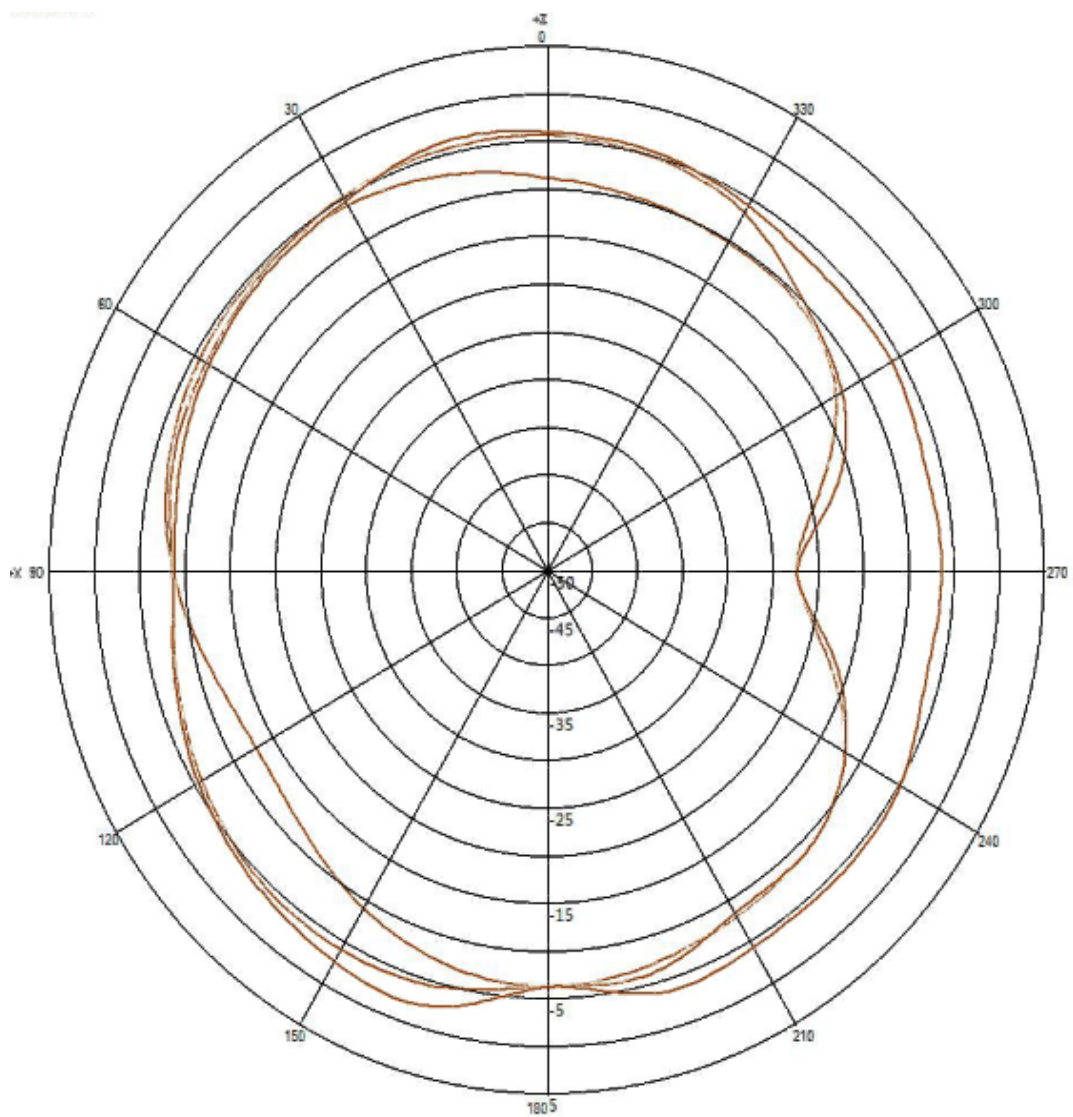
passive test for 2.4g			
Freq (MHz)	Gain(dB)	Efficiency(dB)	Efficiency(%)
2400	-4.125670268	-6.512982178	22.32039018
2410	-3.839793728	-6.350555158	23.17098436
2420	-3.64029678	-6.246810655	23.7311582
2430	-3.328848956	-5.925152964	25.5555189
2440	-3.132319256	-5.799553085	26.30538676
2450	-3.087960046	-5.849299265	26.00579133
2460	-3.316358881	-6.006721723	25.08001707
2470	-3.579335991	-6.245067499	23.74068524
2480	-3.962892418	-6.454212193	22.62448909
2490	-3.50538583	-6.753449407	21.11811056
2500	-3.000000000	-7.252236224	18.8267943

5、2D图 2D chart

(1) XY-Plane

(2) ZY-Plane

(3) ZX-Plane



6、3D图 3D chart

