



产品规格承认书

Specification For Approval

客户名称:
Customer

供 应 商: 广州市高科中实通信技术有限公司
Supplier

客户料号:
Customer P/N

产品名称: 2.4G 陶瓷体天线（贴片式）
Production Name

产品型号: GKZS-2.4G-TC0502-J
Production Number

供应商确认盖章 (Supplier Signature)		
工程师 Engineer	审核 Checked by	批准 Approved by
刘广金	谢倩菊	刘和明
2019 年 12 月 21 日	2019 年 12 月 21 日	2019 年 12 月 21 日

客户确认盖章 (Customer Signature)		
工程师 Engineer	审核 Checked by	批准 Approved by
年 月 日	年 月 日	年 月 日

注：客户确认盖章后，请将此承认书回传到我公司。

Gaoke Ant Co., Ltd.

No. 22, Guangcong South Road, Shengang, Conghua District, Guangzhou, Guangdong Province, China

Tel: 020-87080630/87080639/87080632

Fax: 020-87080731

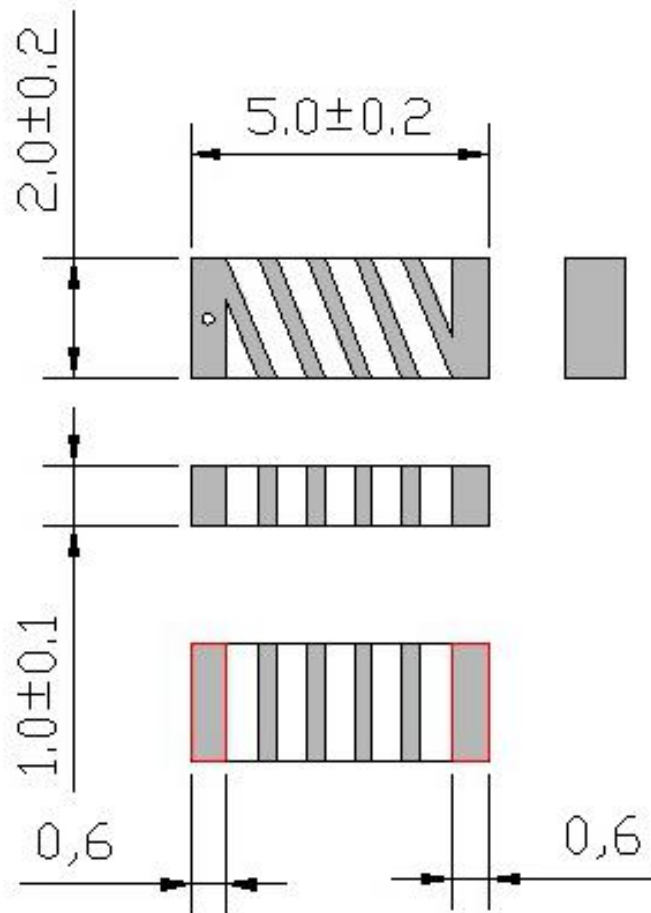
<http://www.gkzs.com.cn>



Description Record

第 2 页 共 9 页

1. Product structure (mm)



2. Scope of application

Bluetooth headset systems and handheld devices that require WiFi/Bluetooth functionality, such as smartphones. Wireless PCMCIA card or USB dongle

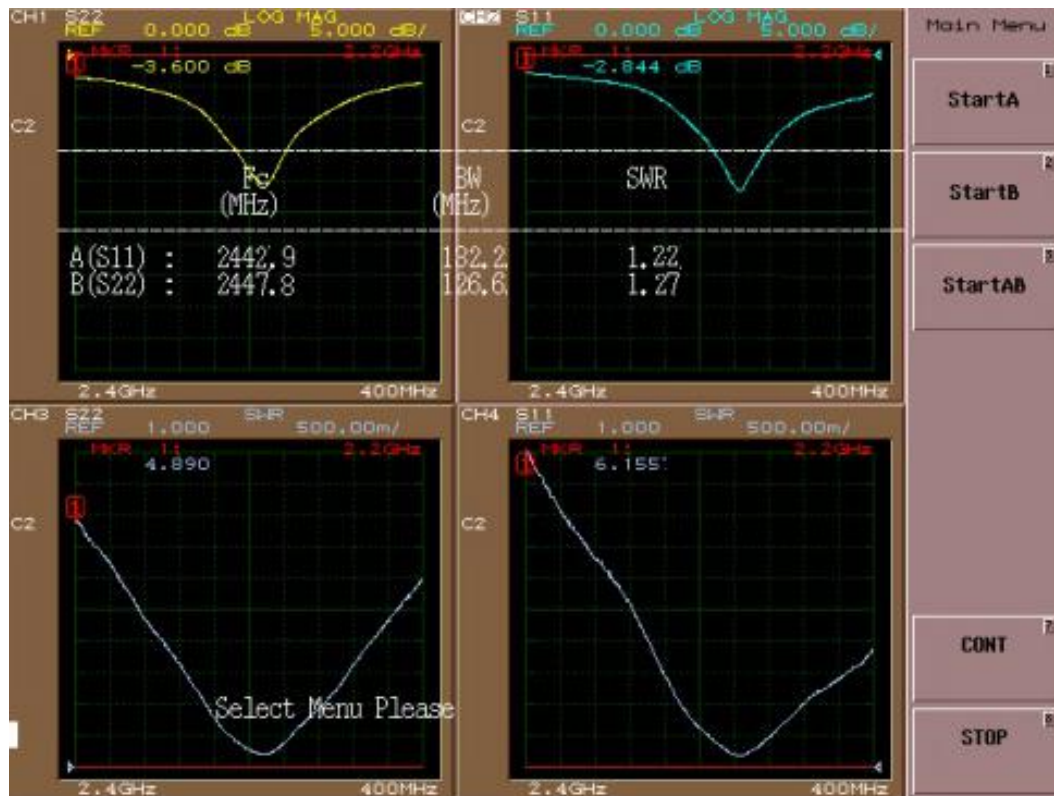


3. Basic characteristics of antennas

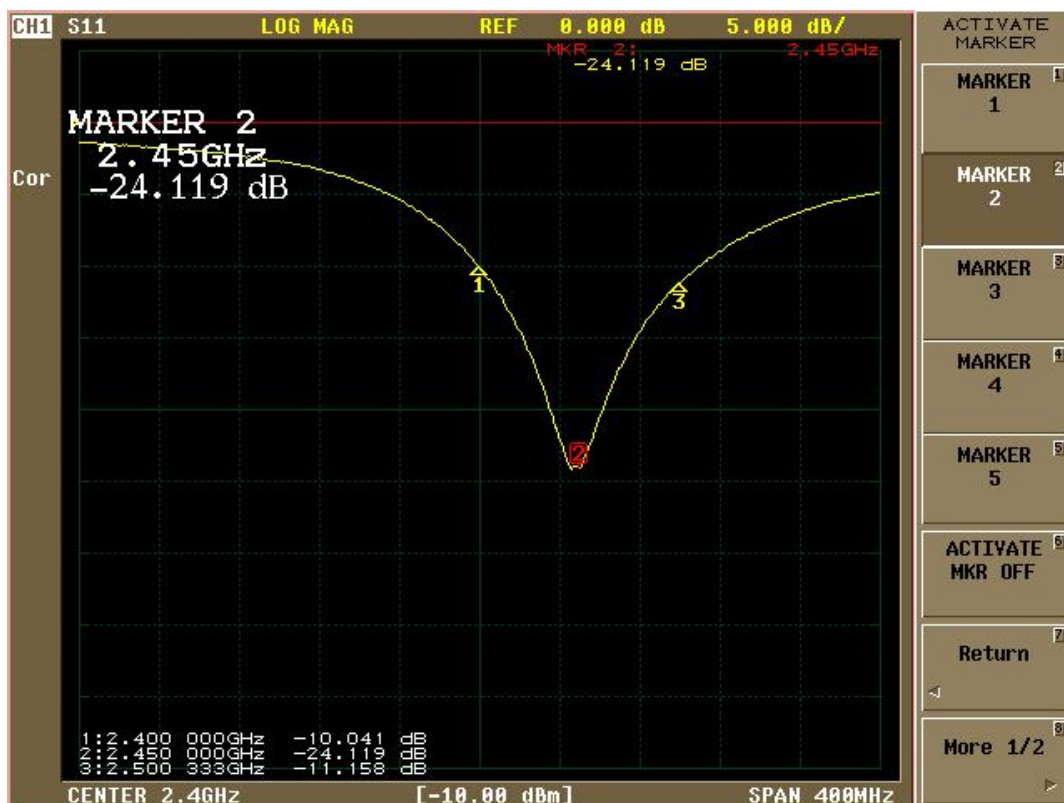
Design Specifications	Typical	Units
天线形式(Antenna Type)	FPC	
工作频率(working Frequency)	2400~2500 MHz	MHz
增益 (maximum Gain)	2.29dBi	dBi
电压驻波比 (VSWR)	≤ 2.0	
阻抗(impedance)	50 Ω	
最大输入功率 (Maximum Input Power)	2W	
天线尺寸(Overall dimensions)	5.0x2.0x1.0mm	mm
重量(Weight)	0.05g	g
工作温度(Operatin Temp)	-40°C~85°C	°C
储存温度(Storing Temp)	-40°C~85°C	°C

4. Test data

1、驻波比图



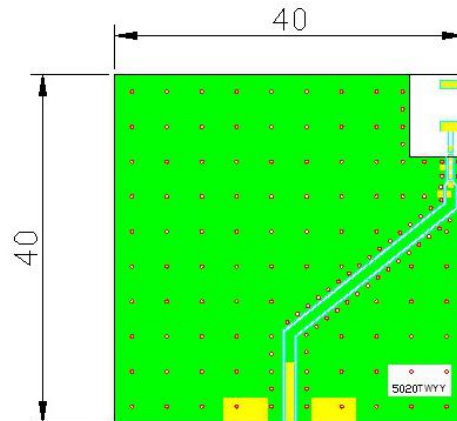
2、回波损耗图（测试板上的天线）



3、Experimental conditions

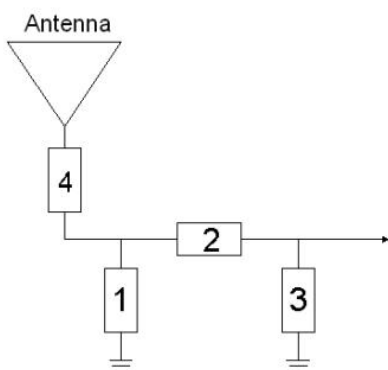
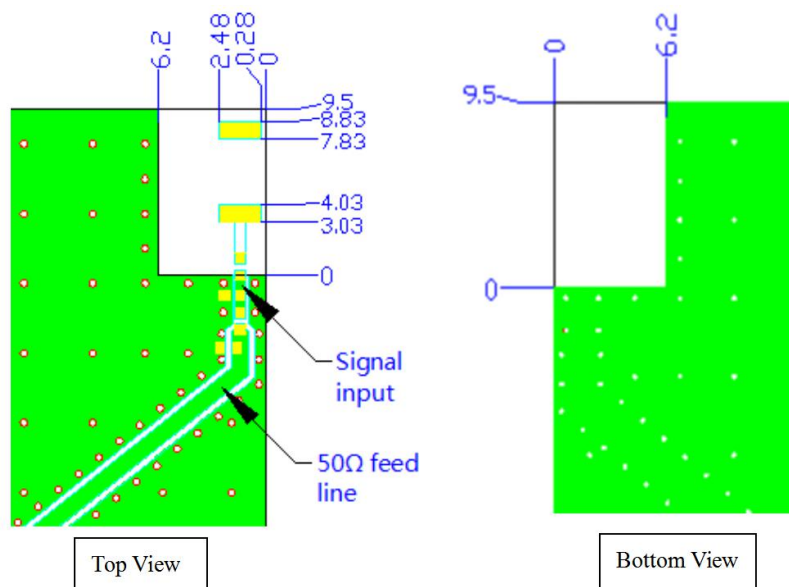
(Temperature $20^{\circ}\text{C} \pm 15^{\circ}\text{C}$, Humidity $65\% \pm 20\%\text{R.H.}$)。

4、



5、Layout guide

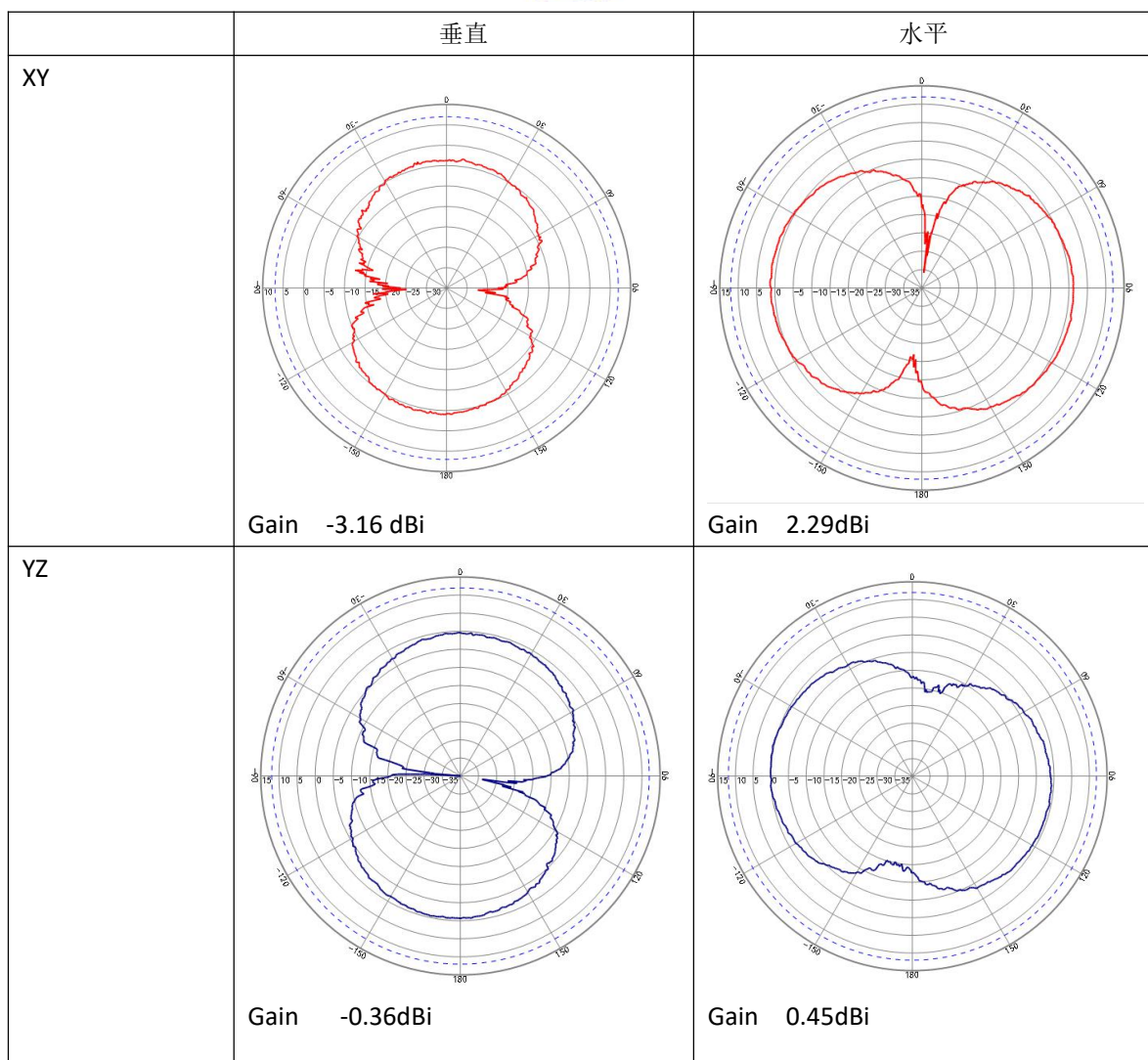
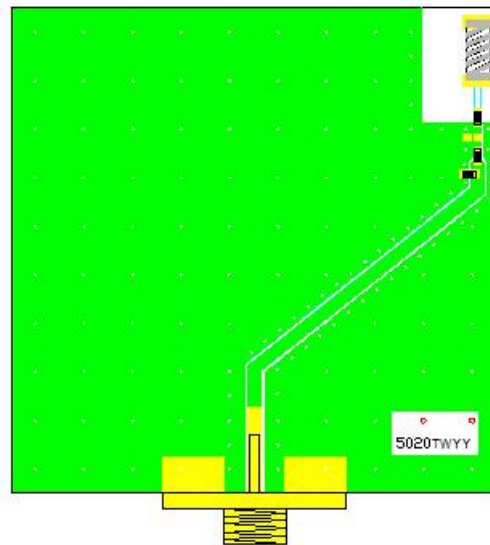
5.1 Welding ring pattern



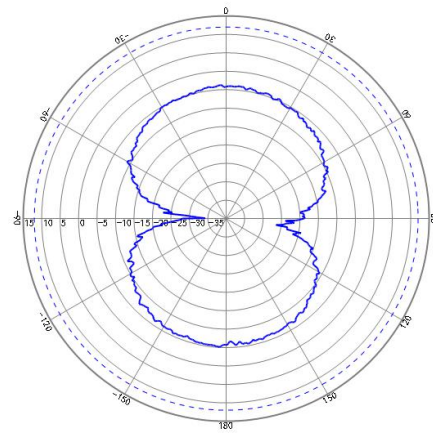
系统匹配电路元件

Location	Description	size	Tolerance
1	N/A	--	--
2	2.2nH	0402	0.1nH
3	1.5 pF	0402	0.1 pF
4	0 Ω		

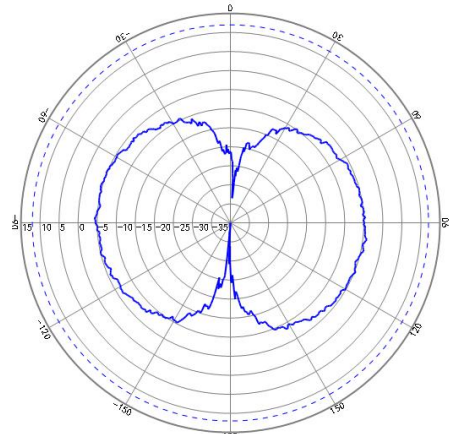
5.2 Radiation mode



ZX



Gain -3.31dBi



Gain -3.73dBi