



GaoKe Ant Co., Ltd.

Specification For Approval

客户名称:

Customer

Supplier

GaoKe Ant Co., Ltd.

Customer P/N

Production Name

Patch

Production Number

GKZS-2.4G-TC0502-J

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

GaoKe Ant Co., Ltd

地址: Room 201, building 1, No. 2650 Guangcong

South Road, Taiping Town, Conghua District,

Guangzhou, Guangdong, China 510980 Tel: 020-

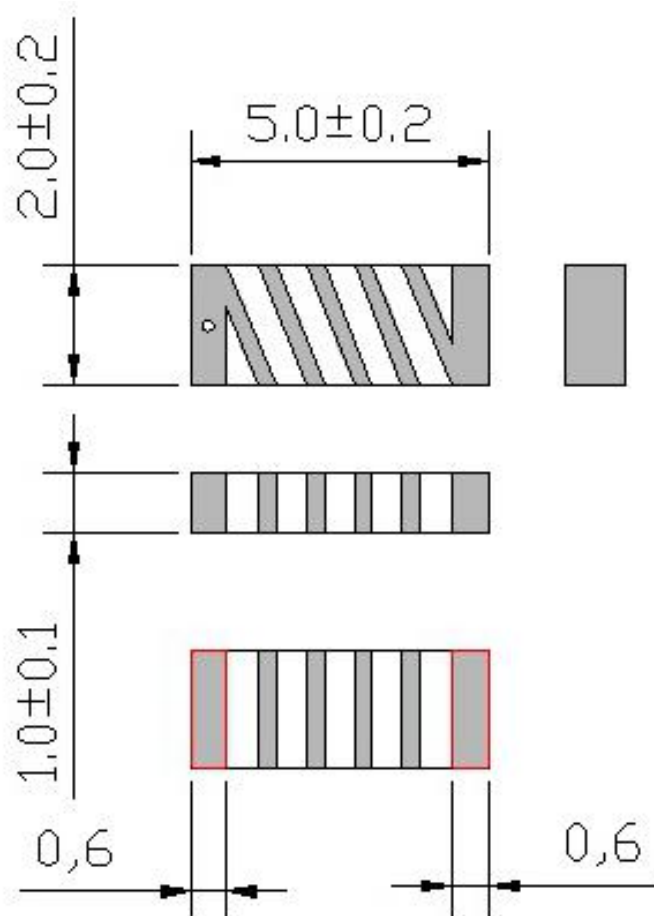
87080630/87080639/87080632

Fax: 020-87080731

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

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一、Product Structure Drawing (mm)





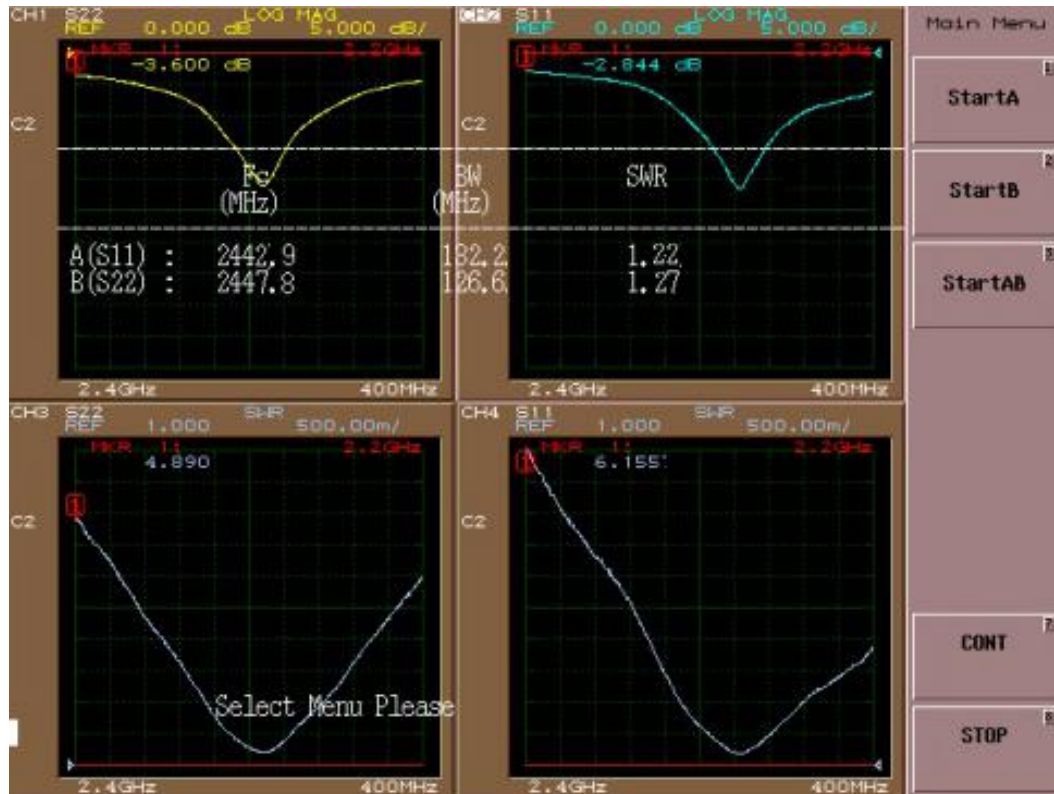
三、Basic Characteristics of Antenna

Design Specifications	Typical	Units
Antenna Types	Patch	
working Frequency	2400~2500 MHz	MHz
maximum Gain	2.29dBi	dBi
VSWR	≤ 2.0	
impedance	50 Ω	
Maximum Input Power	2W	
Overall dimensions	5.0x2.0x1.0mm	mm
Weight	0.05g	g
Operatin Temp	-40℃~85℃	℃
Storing Temp	-40℃~85℃	℃

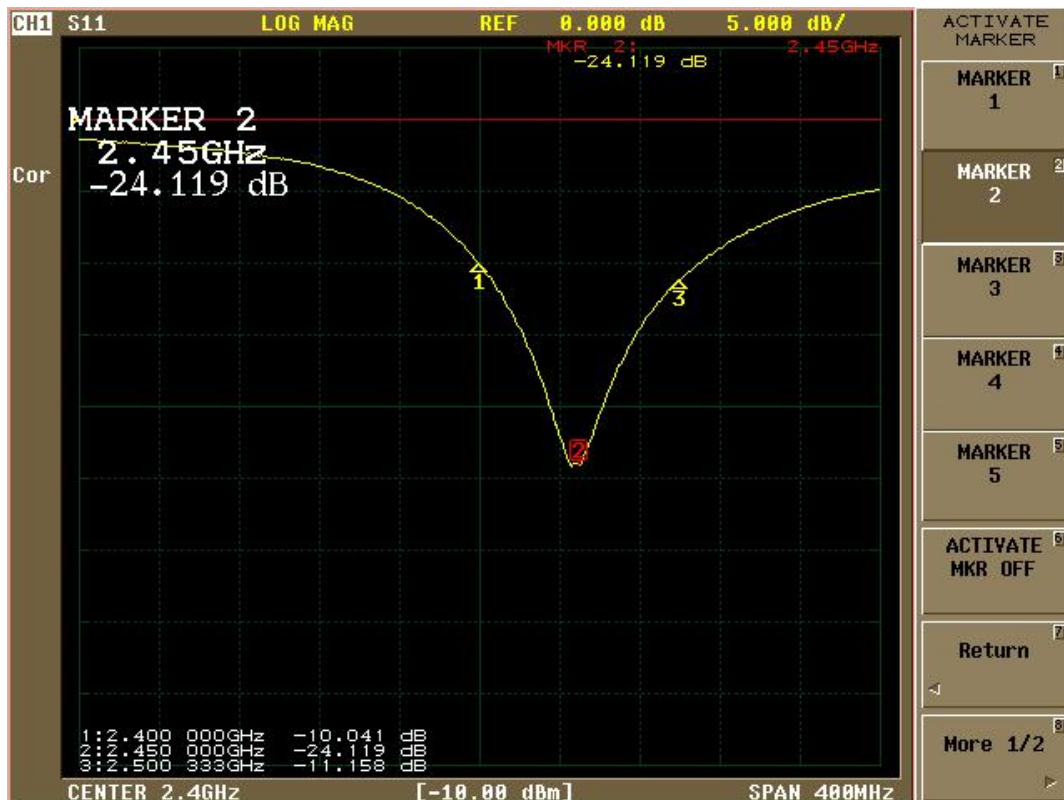


四、Antenna Testing

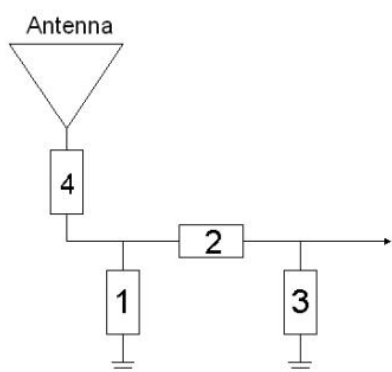
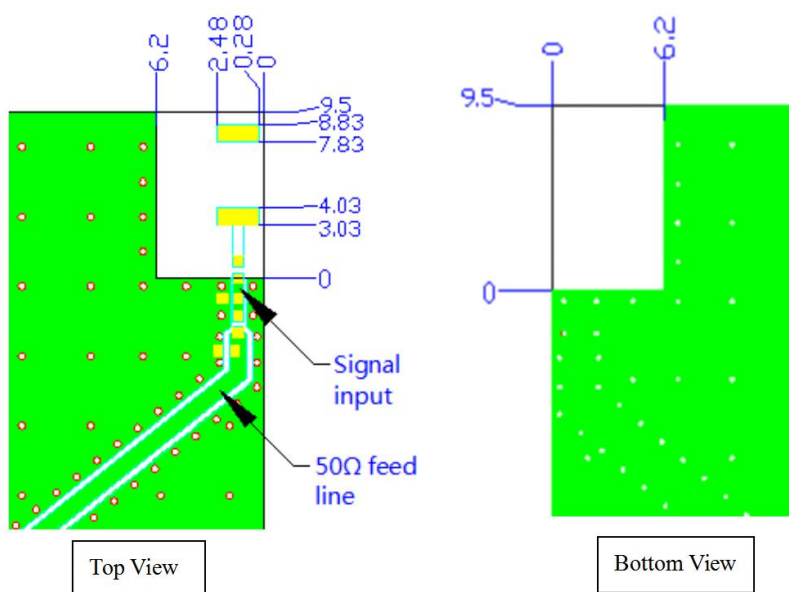
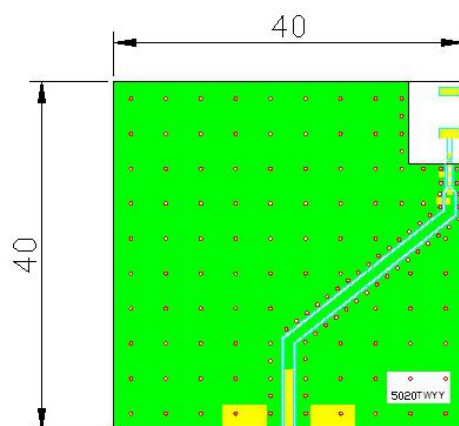
1、VSWR Plot



2、Return Loss Plot



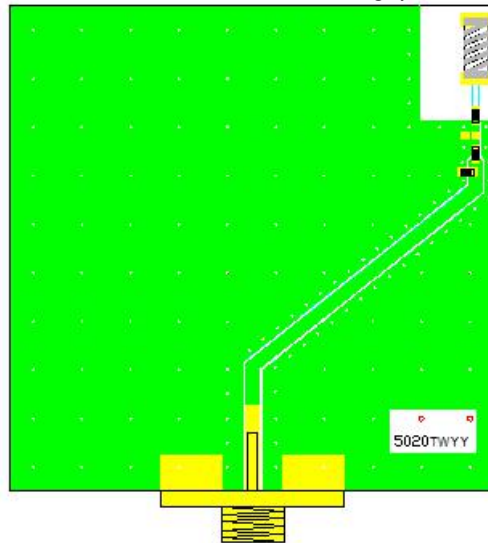
3. Test Conditions:

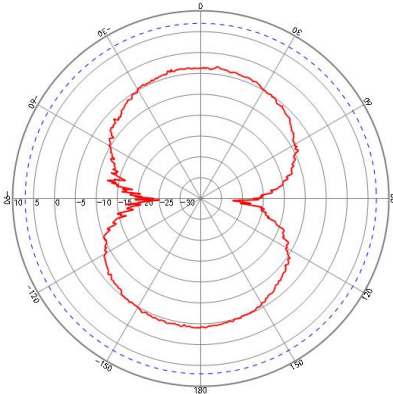
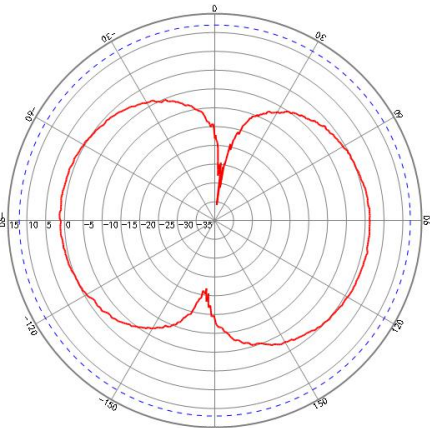
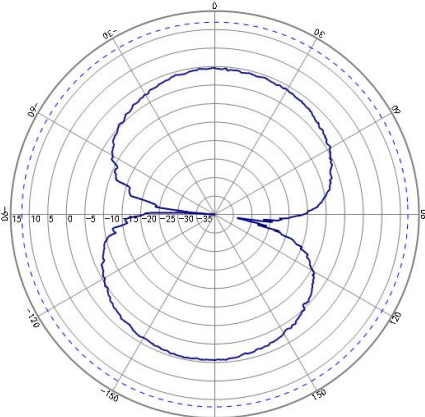
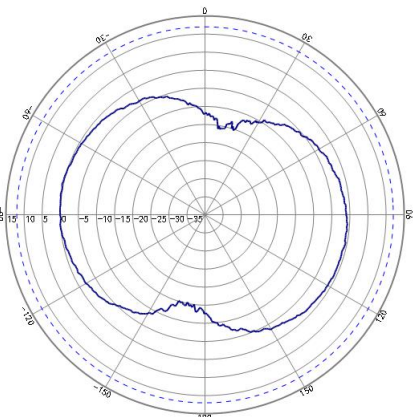


Location	Description	size	Tolerance
1	N/A	--	--
2	2.2nH	0402	0.1nH
3	1.5 pF	0402	0.1 pF
4	0 Ω		

5.2 Radiation Pattern

The radiation pattern and gain depend on the design of the measurement board. The antenna is measured according to the PCB size and mounting position, as shown in the test board figure below.



	Vertical polarization	Horizontal polarization
XY	 Gain -3.16 dBi	 Gain 2.29dBi
YZ	 Gain -0.36dBi	 Gain 0.45dBi

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