



Directory

Cover-----	1
Directory-----	2
Antenna Specification-----	3
Antenna Picture and Installation Instructions-----	4
Test Report-----	5
Finished Product Drawing-----	6
Package Drawing-----	7
ROHS Report-----	8



1. Antenna Specification

1.1: Electrical Specification	
Freq.Range (MHz)	2400-2500
Impedance (Ω)	50
Directional	Omni directional
Polarization	Linear
Gain (dBi)	2400-2500: 1
1.2: Mechanical Specification	
Material	FPC
RF Cable Type	RF1.13
Connector Type	First generation terminal
1.3: Environmental Specification	
Operation temp	-40℃~+85℃
Storage temp	+19℃~+23℃



2.Antenna Picture

2.1: Antenna Picture



2.2: Installation Instructions

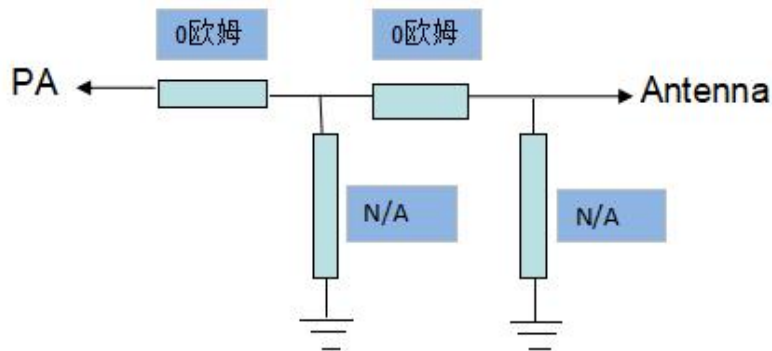


The conductive foam needs to be attached to the antenna and connected to the back of the motherboard.



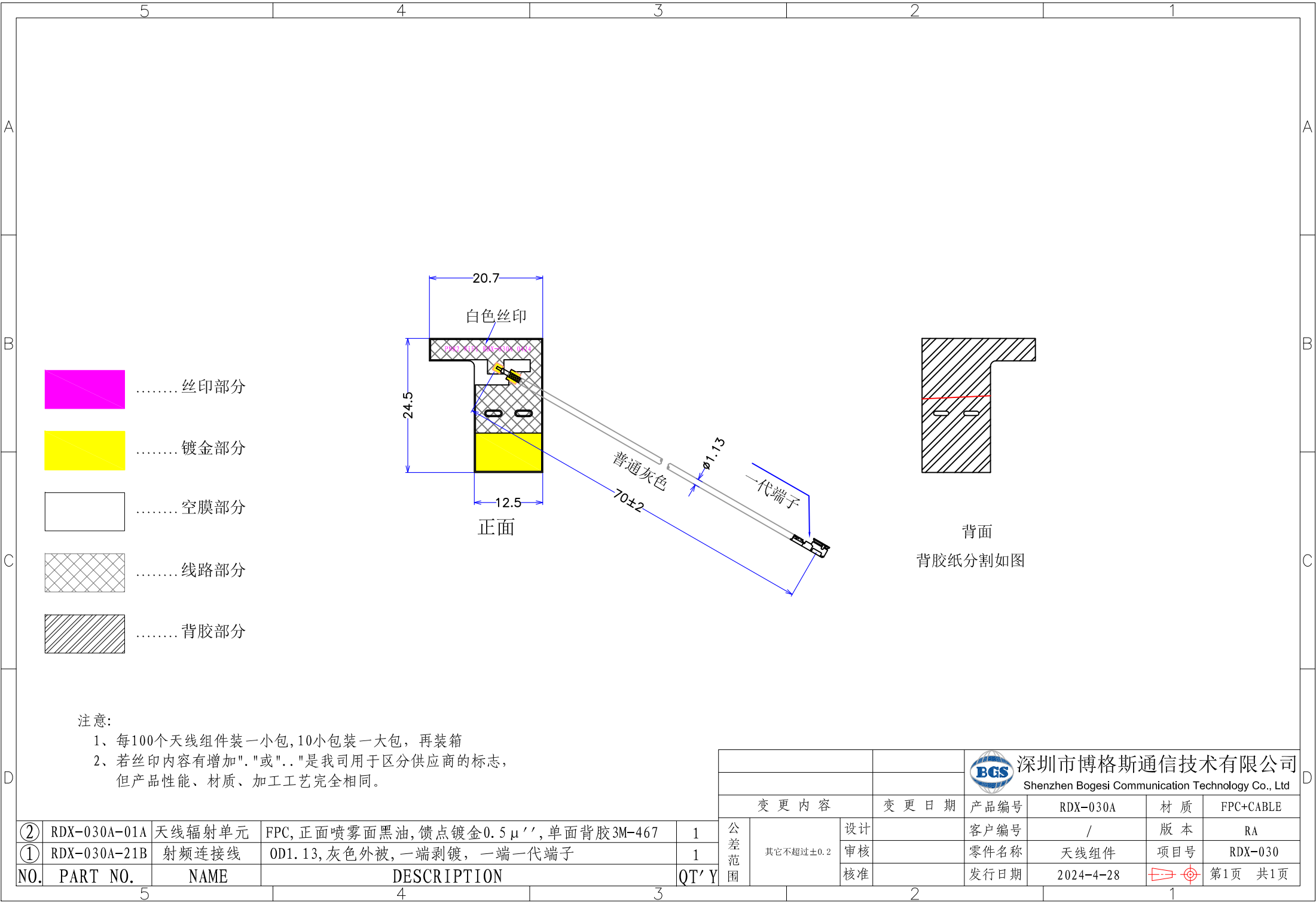
3.Test Report

3.1: The matching circuits



3.2: Active test data

WiFi天线有源测试数据:			
		TRP	TIS
Band	Channel	11b/1M	11b/11M
11b	Low	16.86	-86.35
	Mid	16.73	-86.63
	High	16.91	-86.34
		11g/6M	11g/54M
11g	Low	16.43	-71.37
	Mid	16.36	-71.72
	High	16.51	-71.88
		11n/MCS0	11n/MCS7
11n	Low	16.15	-68.15
	Mid	16.22	-68.6
	High	16.19	-68.27



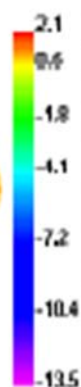
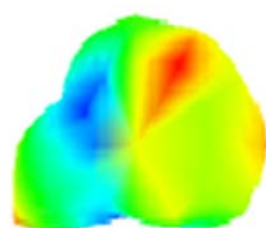
注意:

- 每100个天线组件装一小包, 10小包装一大包, 再装箱
- 若丝印内容有增加". "或".. "是我司用于区分供应商的标志, 但产品性能、材质、加工工艺完全相同。

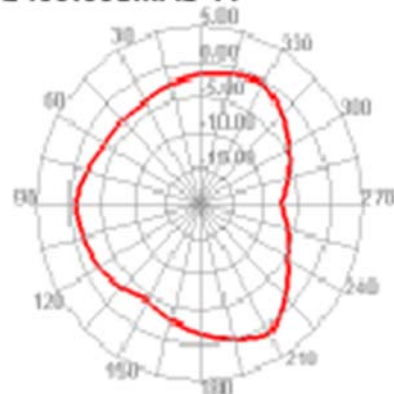
②	RDX-030A-01A	天线辐射单元	FPC, 正面喷雾面黑油, 馈点镀金 $0.5\mu''$, 单面背胶3M-467	1
①	RDX-030A-21B	射频连接线	OD1.13, 灰色外被, 一端剥镀, 一端一代端子	1
NO.	PART NO.	NAME	DESCRIPTION	QT'Y

				深圳市博格斯通信技术有限公司	
				Shenzhen Bogesi Communication Technology Co., Ltd	
变更内容		变更日期	产品编号	RDX-030A	材质
			客户编号	/	版本
			零件名称	天线组件	项目号
			发行日期	2024-4-28	第1页 共1页
公差范围	其它不超过 ± 0.2	设计			
		审核			
		核准			

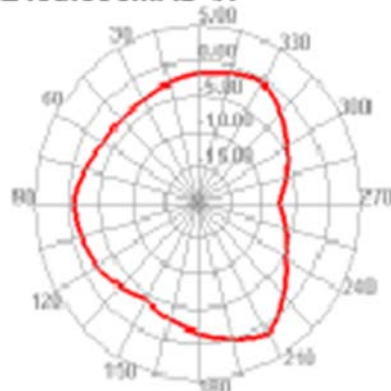
2400.000MHz



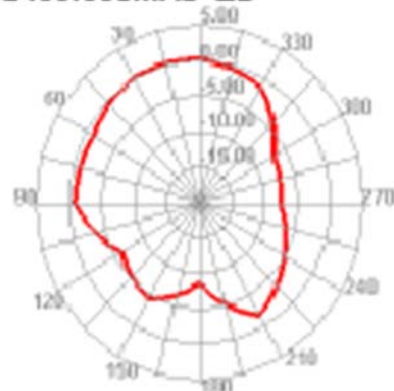
2400.000MHz H



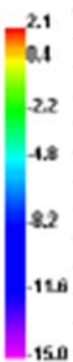
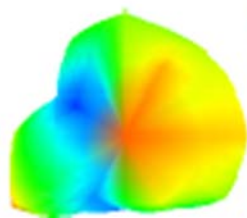
2400.000MHz H



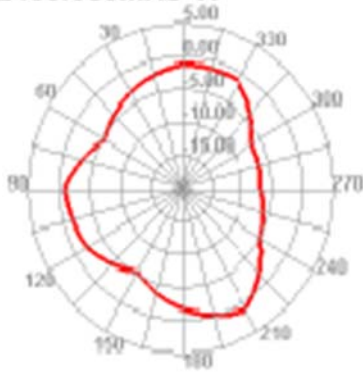
2400.000MHz E2



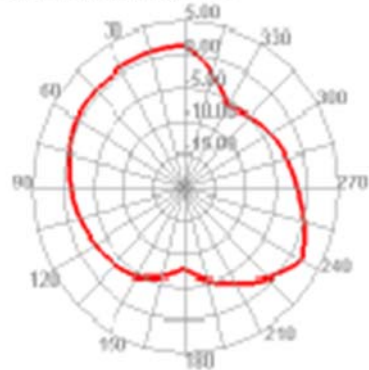
2450.000MHz



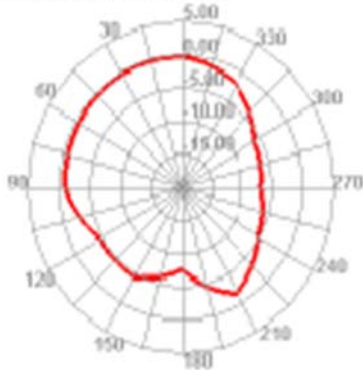
2450.000MHz H



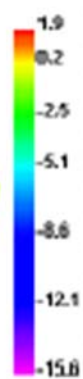
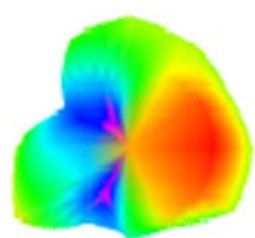
2450.000MHz E1



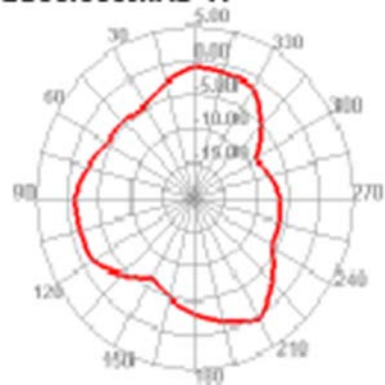
2450.000MHz E2



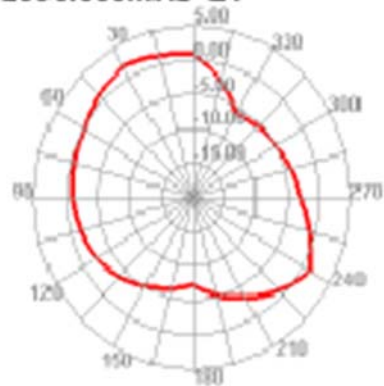
2500.000MHz



2500.000MHz H



2500.000MHz E1



2500.000MHz E2

