

国光电器股份有限公司  
Guoguang Electric Company., Ltd.

规格承认书  
SPECIFICATION APPROVAL

品名Part Name: Clip5 蓝牙板载天线

送样日期Date:2023-11-25

地址: 广州市花都区新雅街镜湖大道8号

Address:No.8 Jinghu Road, Xinya Street, Huadu Reg, Guangzhou, China

# 天线规格书

## antenna specification

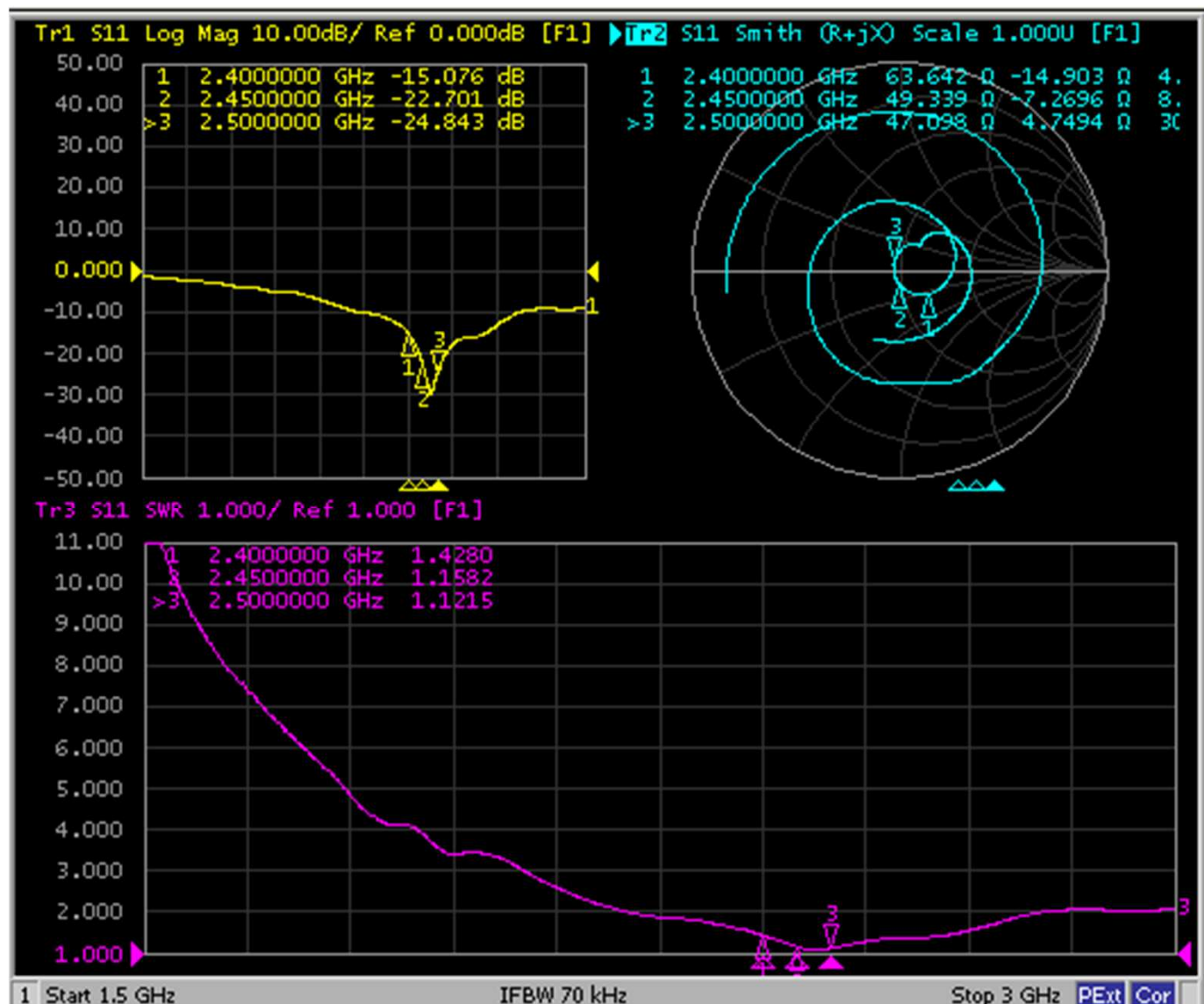
电性能Electrical properties	
频率范围frequency(MHz)	2400-2500MHz
阻抗Impedance( $\Omega$ )	50
电压驻波比VSWR	$\leq 2$
峰值增益Peak Gain (dBi)	$\leq 3.13$ dBi
辐射方向Radiation	全向天线Omni-directional
极化方式Polarization	线极化Linear
物理性能Physical properties	
天线类型Antenna type	板载天线printed antenna
工作温度Operating temp.	-40~+85 °C
存储温度/湿度Storage Temp/Humidity	25 $\pm$ 5 °C

# 整机及天线位置 Assembly & Antenna location

天线位置



# 天线S参数 S11 parameters

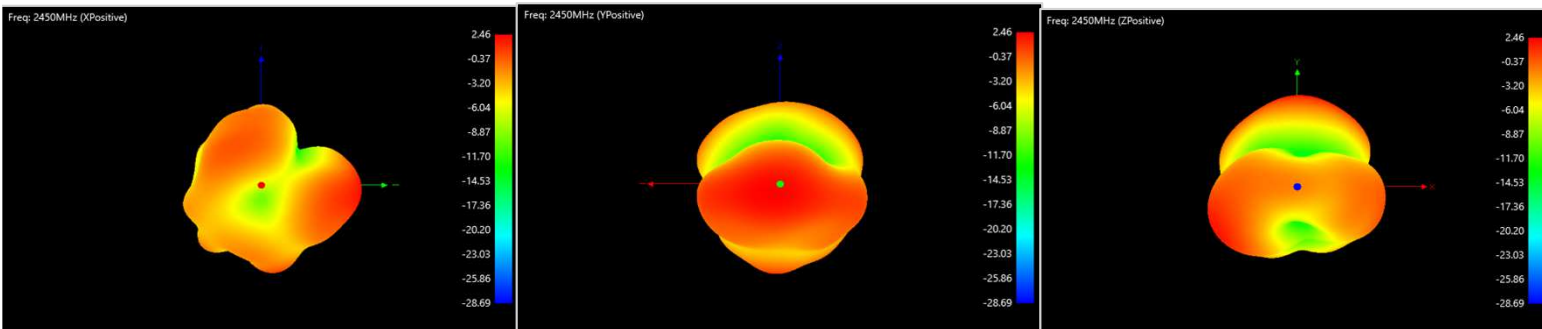
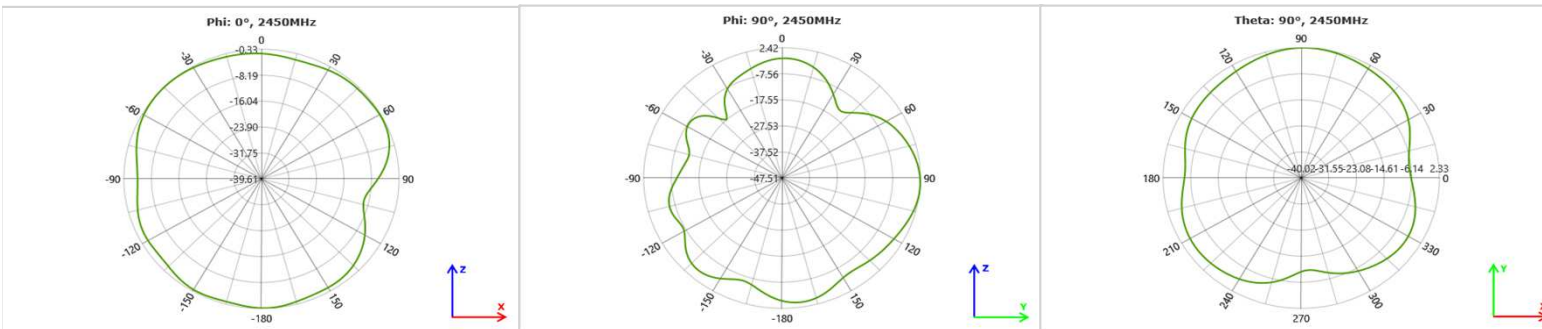
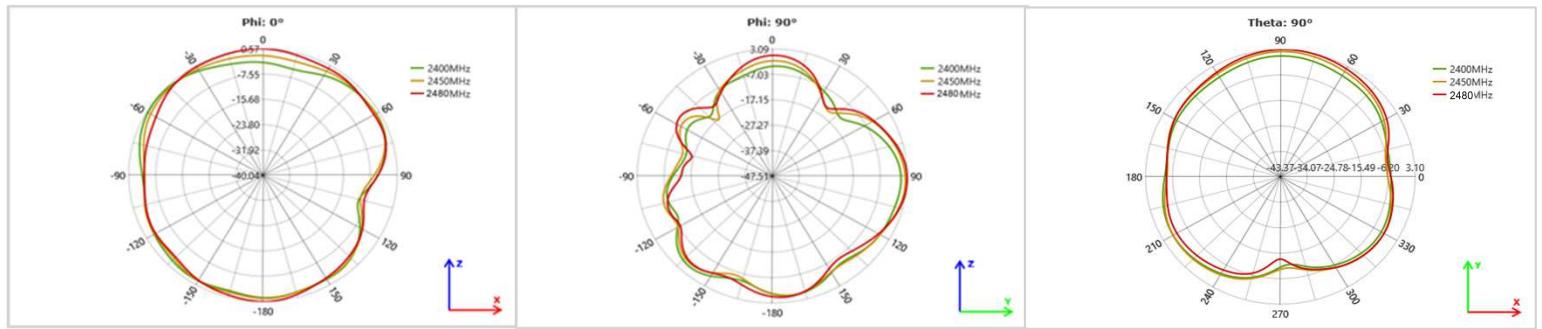


## 天线效率及增益 Efficiency & Peak Gain

Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)
2400	53.7	-2.7	1.55
2410	57.06	-2.44	2.06
2420	53.78	-2.69	1.5
2430	56.55	-2.48	1.88
2440	55.23	-2.58	2.26
2450	58.94	-2.3	2.46
2460	56.2	-2.5	2.66
2470	60.36	-2.19	2.75
2480	59.19	-2.28	3.13
2490	62.18	-2.06	2.98
2500	59.17	-2.28	3.14

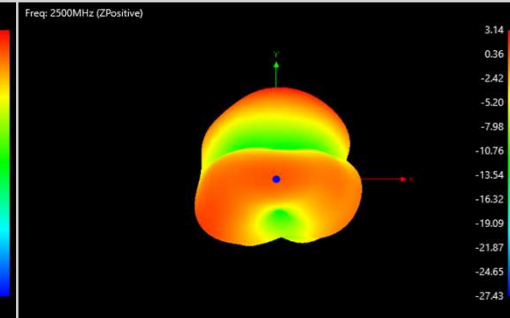
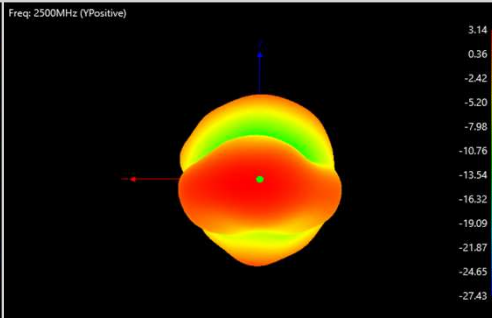
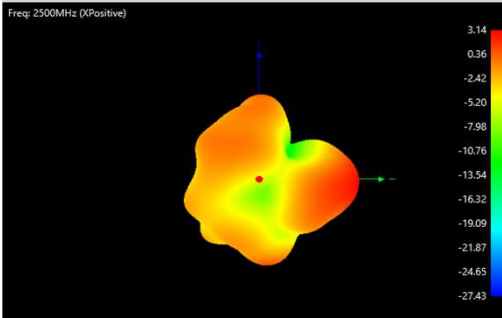
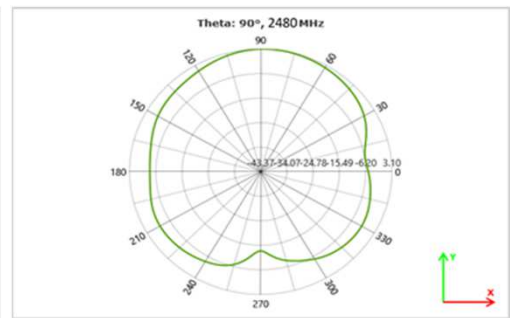
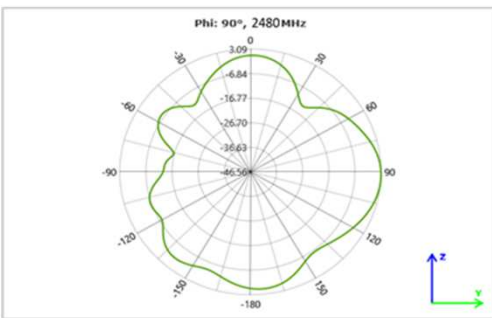
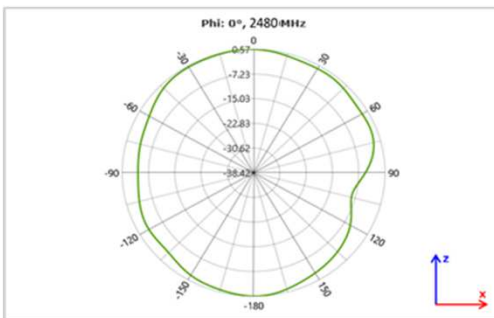
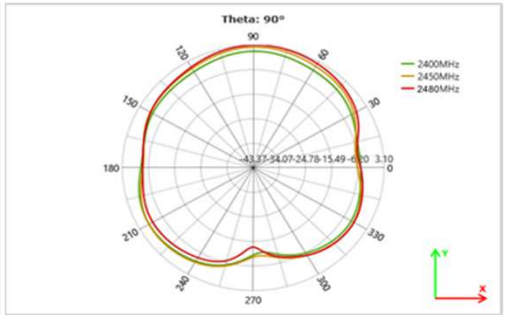
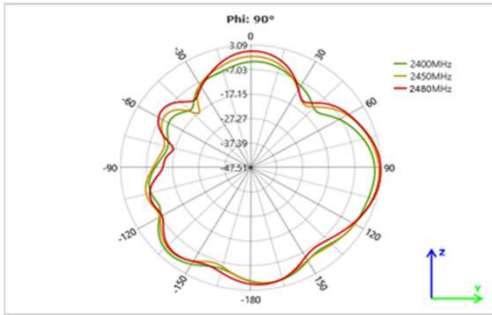
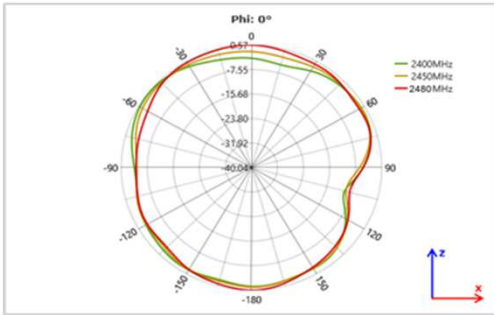
# 天线辐射方向图 Radiation pattern

# 2450MHz



# 天线辐射方向图 Radiation pattern

# 2480MHz



*谢谢*

*thanks*