

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: Grip 蓝牙板载天线

送样日期Date:2025-03-18

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(Ω)	50
电压驻波比VSWR	≤ 2
峰值增益Peak Gain (dBi)	≤ 2.25 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

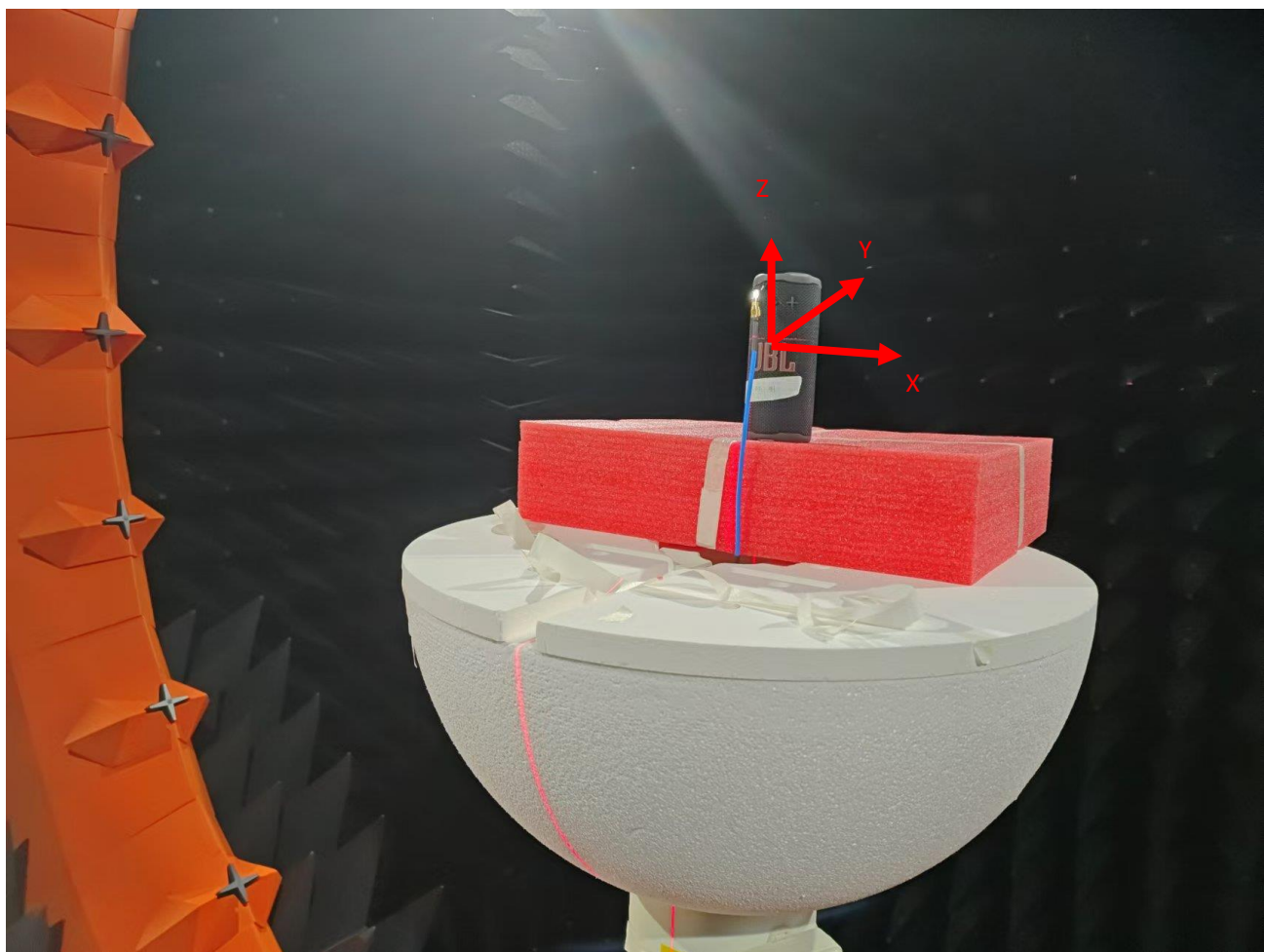
天线图纸Antenna drawings

[illegible]

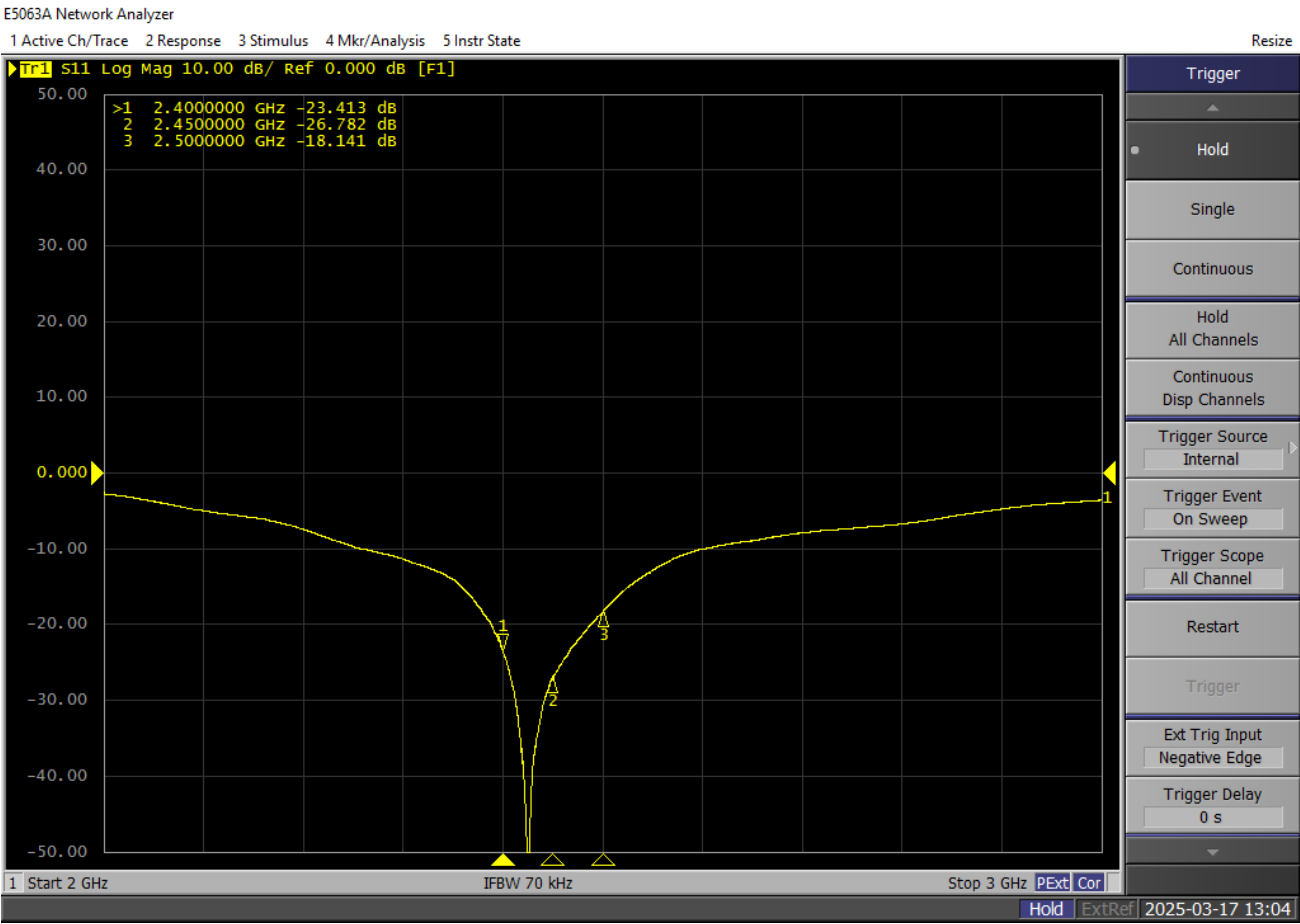
整机及天线位置Assembly& Antenna location



暗室及坐标Chamber & Coordinates



天线S参数 S11 parameters

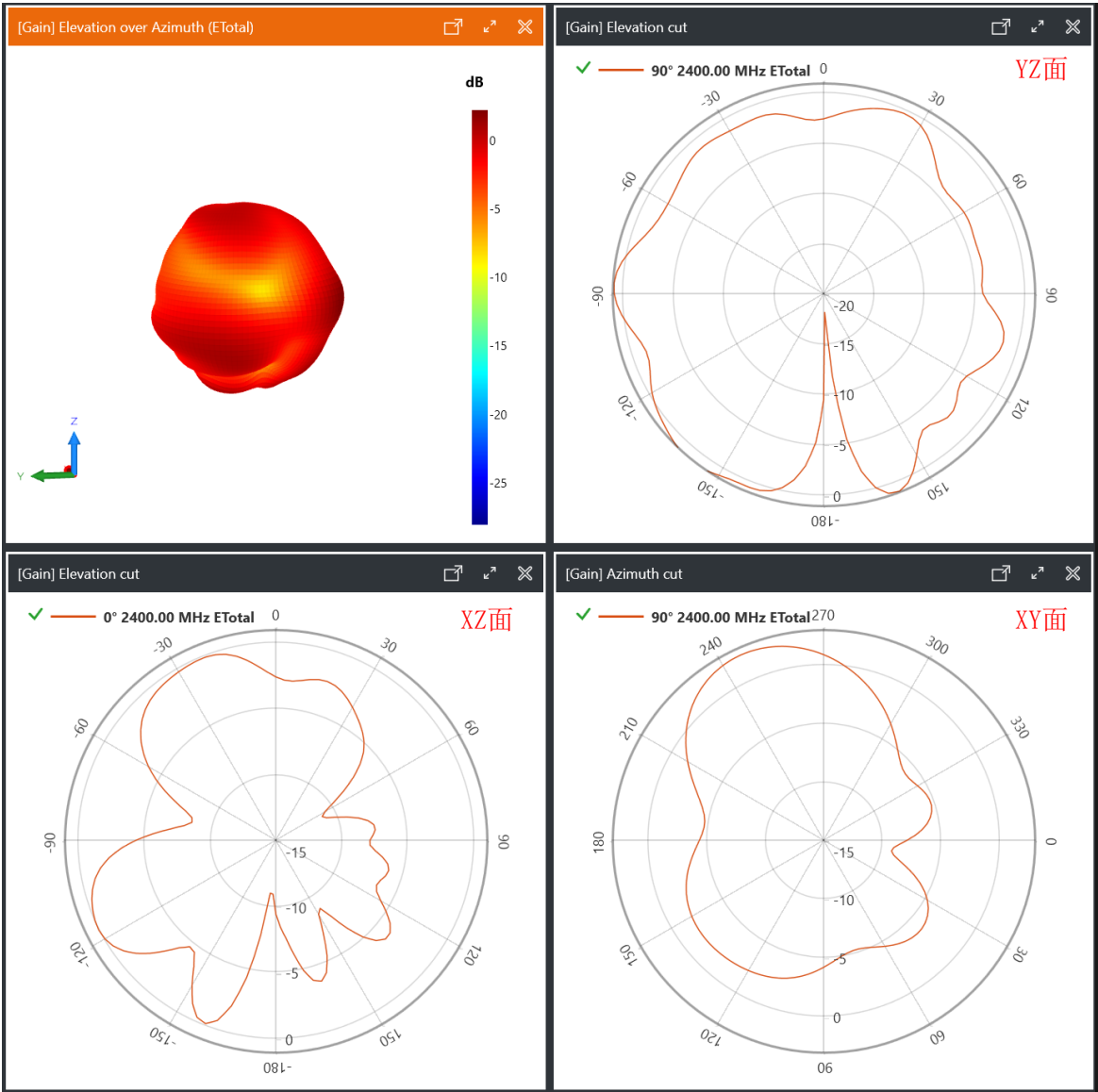


天线效率及增益 Efficiency & Peak Gain

Frequency (MHz)	Efficiency (%)	Efficiency (dB)	Gain(dBi)
2400	59%	-2.26	2.25
2410	60%	-2.19	2.25
2420	60%	-2.2	2.14
2430	62%	-2.1	2.18
2440	62%	-2.07	2.11
2450	64%	-1.92	2.2
2460	63%	-2.01	2.17
2470	63%	-2	2.21
2480	62%	-2.09	2.05
2490	61%	-2.16	2
2500	59%	-2.32	1.92

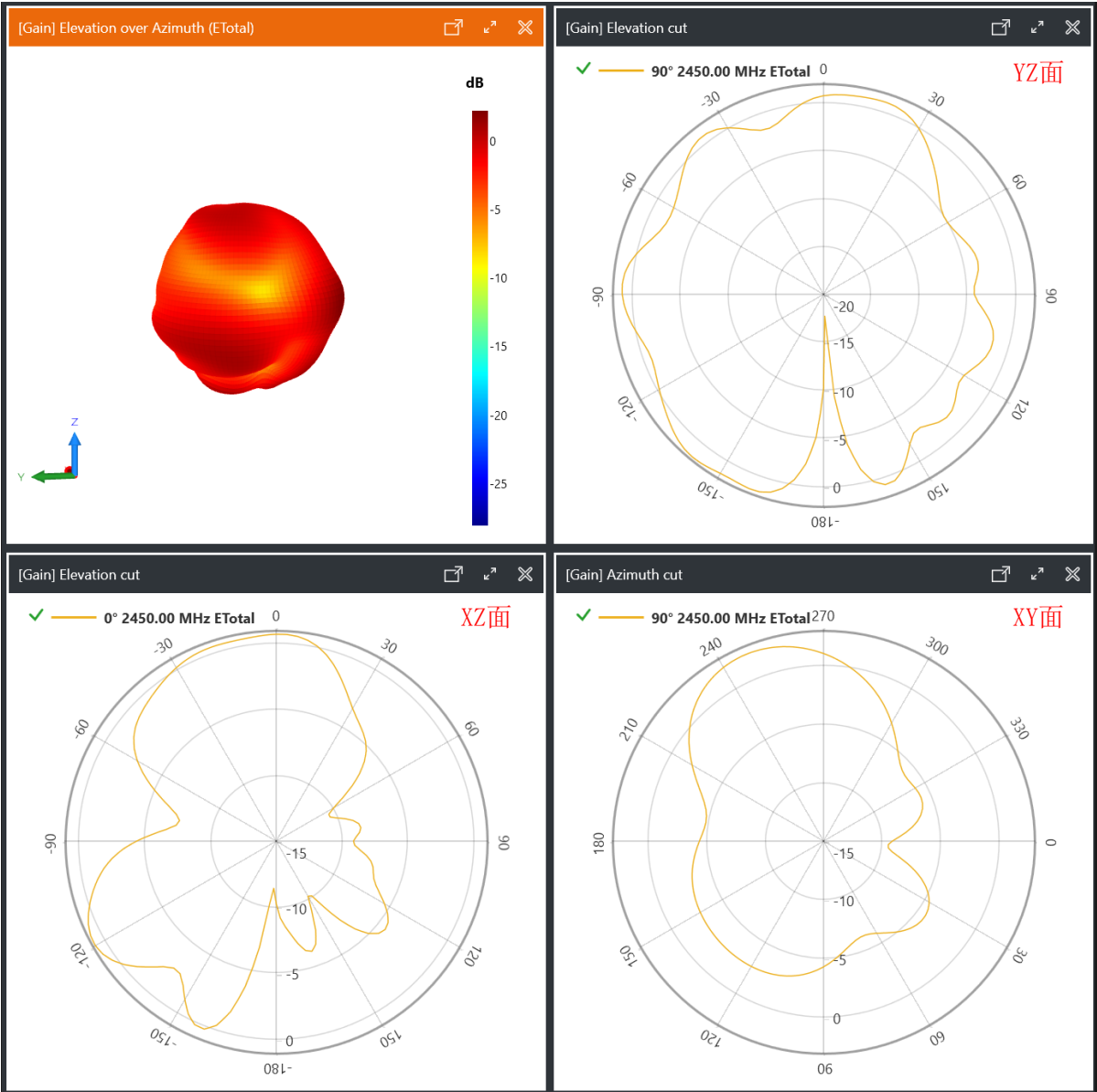
天线辐射方向图Radiation pattern

2400MHz



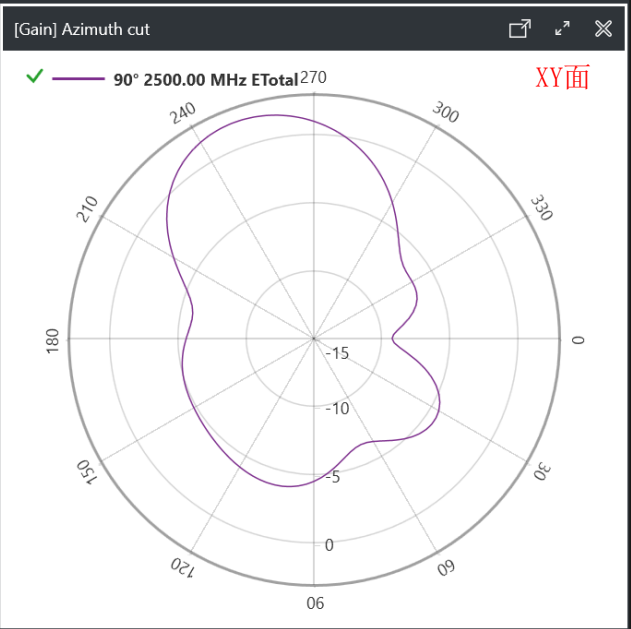
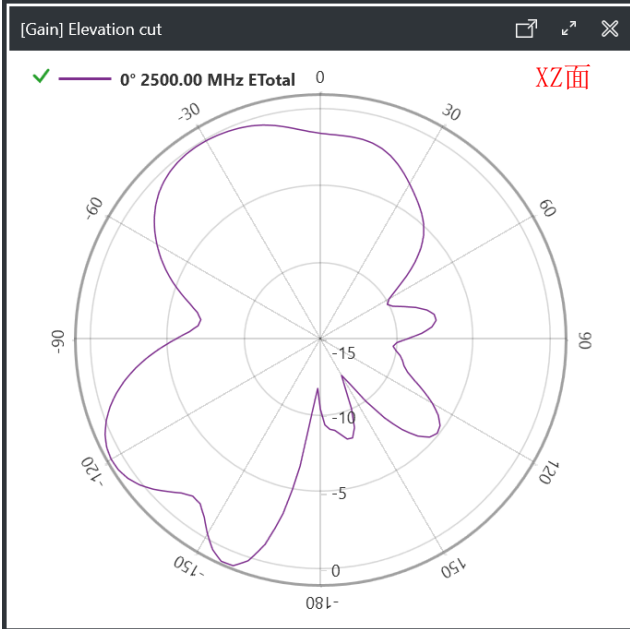
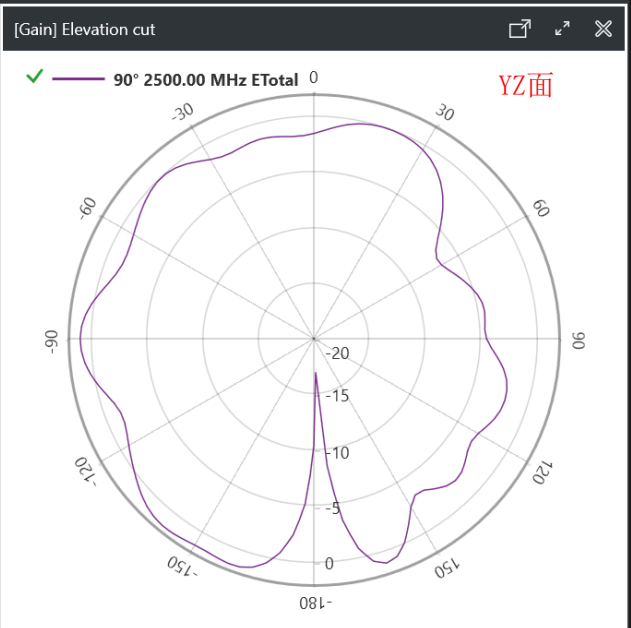
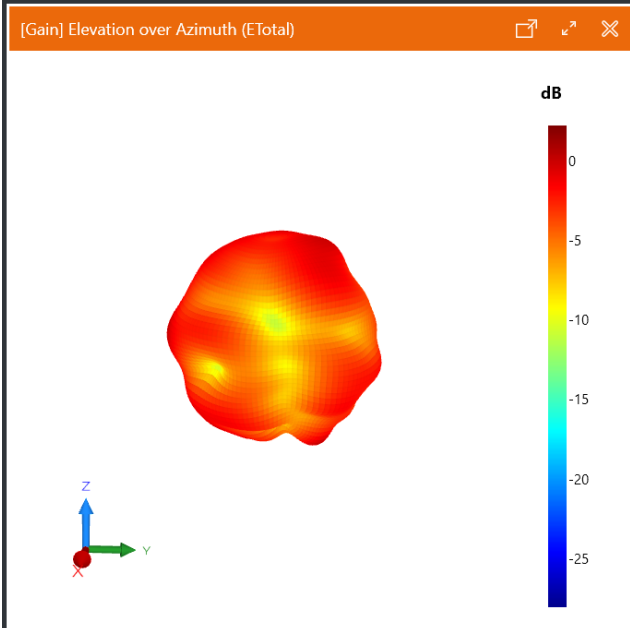
天线辐射方向图Radiation pattern

2450MHz



天线辐射方向图Radiation pattern

2500MHz



谢谢

thanks