



Shenzhen Yangyue Electronic Communication Technology Co., Ltd.

Project Name:Helmet light

RF Engineer: Feihu Li

Testing Date: 2025-3-31

FrequencyRange:WIFI/BT 2.4GHz

深圳市扬跃电子通信科技有限公司

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Revision History

Date	Revision	Description of changes
2025-3-31	TA	UC

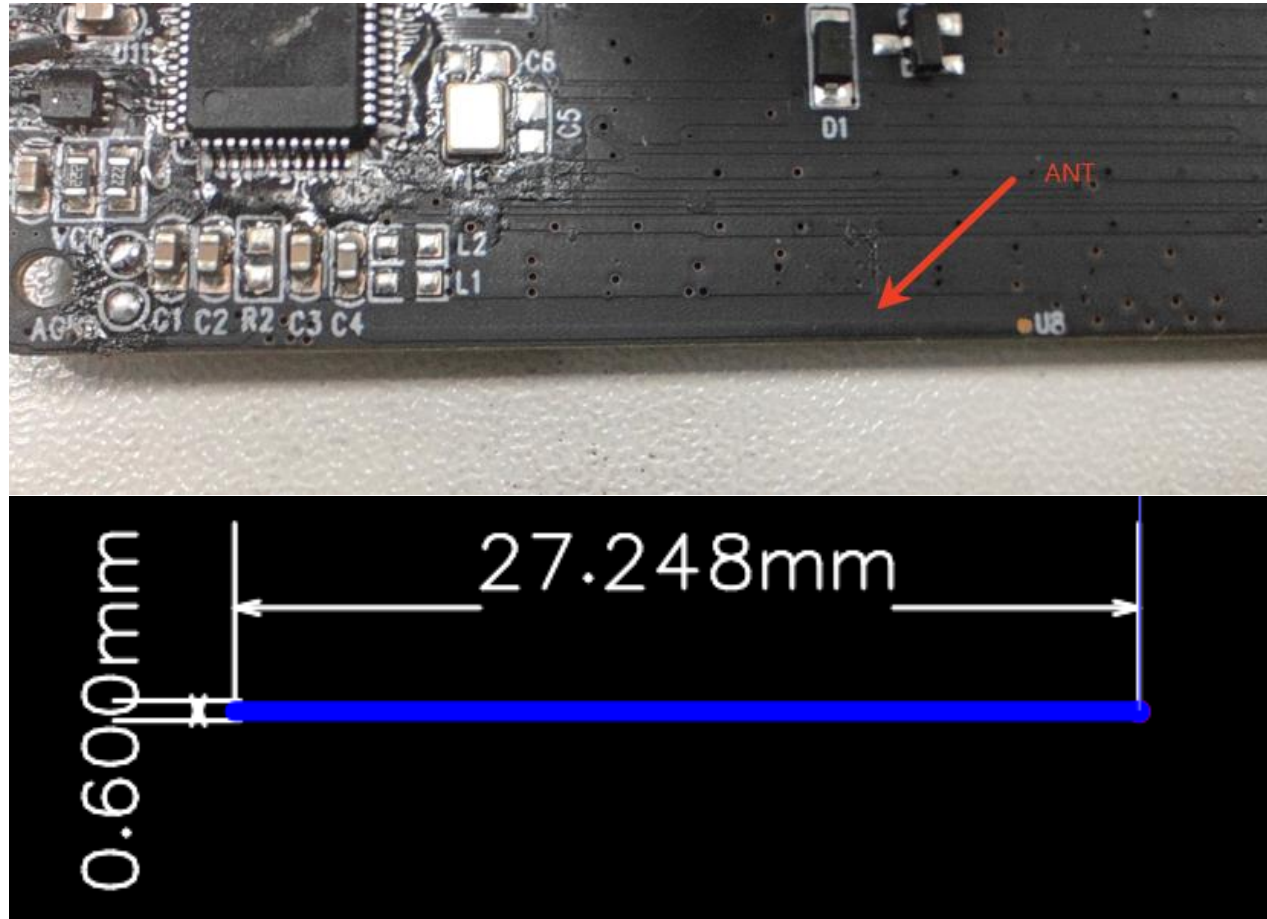


1. Basic Information

NO.	ITEMS	DETAILS	
1	工作频段 Operating band	WiFi/BT 2.4GHz	
2	频率范围 Frequency range	WiFi:2400~2500(MHz)	
3	天线类型 Antenna Type	PCB	
4	天线材质及实现形式 Antenna material and implementation form	PCB	
5	主板版本 The mainboardversion	TR2601H119-05	
6	输入阻抗 InputImpedance	50 (Ω)	
7	增益 Gain	Peak Gain: 2.0dBi (XZ-V) Average Gain : 0.5 dBi (XZ-V)	
8	极化方式 Polarization	Vertical polarization + Horizontal polarization	
RF		Feihu Li	
ME			



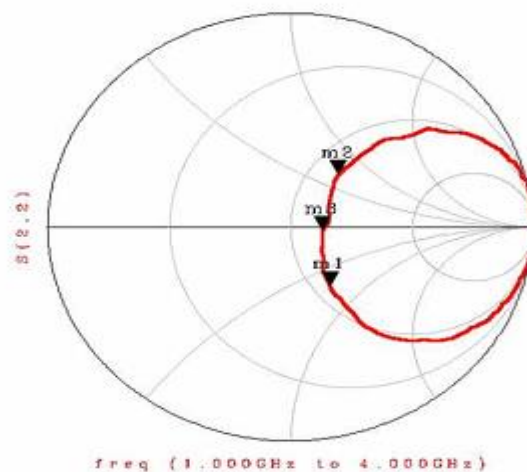
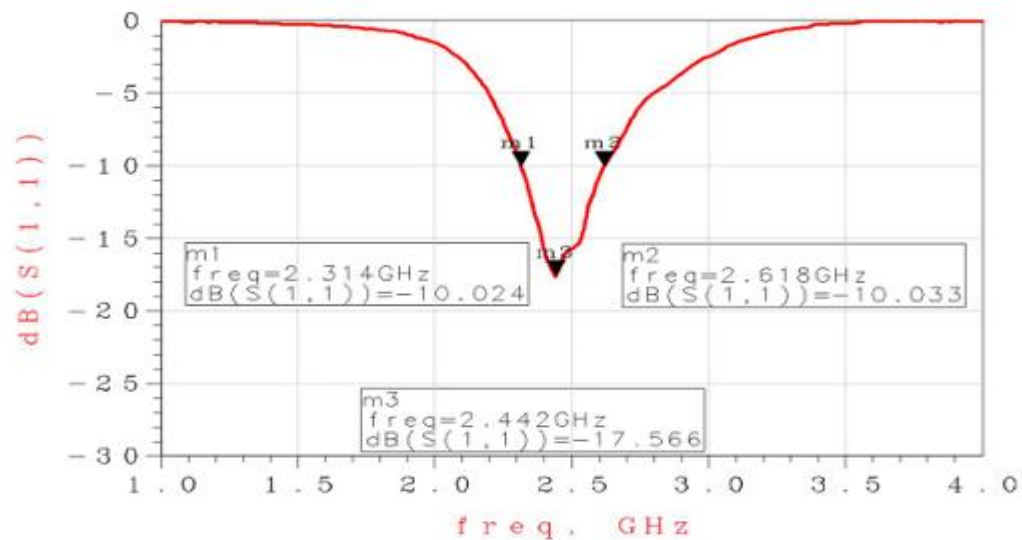
2. Antenna physical object and physical dimensions





Typical Electrical Characteristics

Return Loss

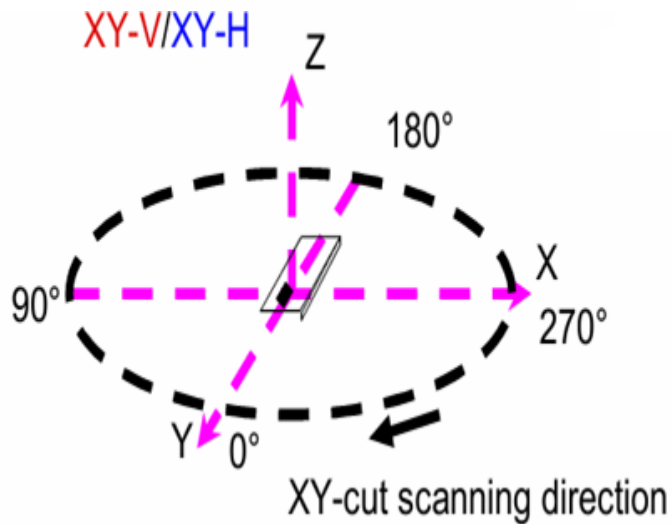
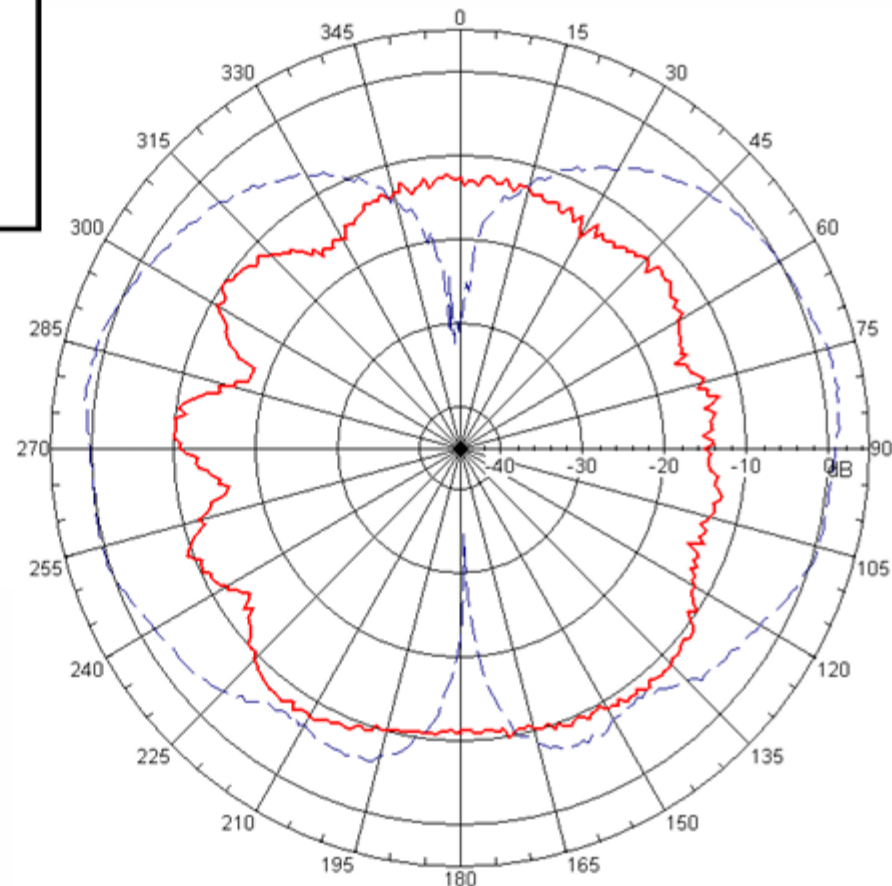




Typical Radiation Patterns @ 2.45GHz XY-plane

XY cut @2.45GHz

— Vertical
- - - Horizontal

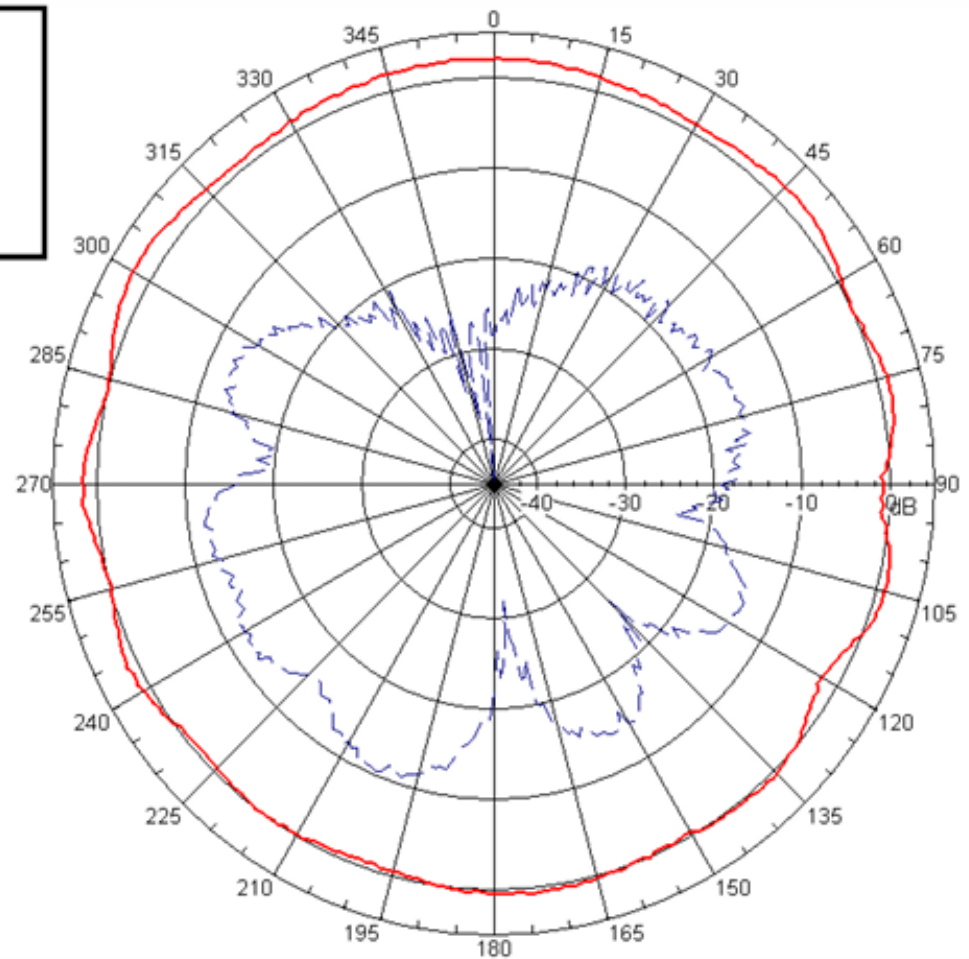
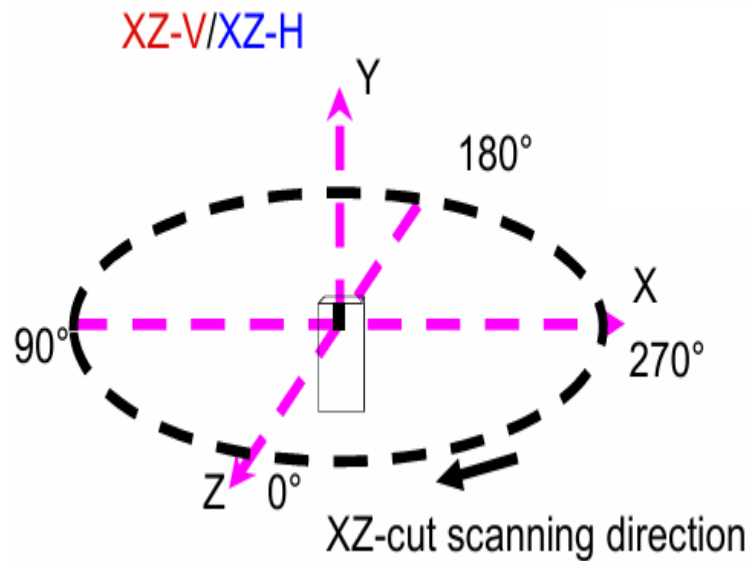




Typical Radiation Patterns @ 2.45GHz XZ-plane

XZ cut @2.45GHz

— Vertical
- - - Horizontal

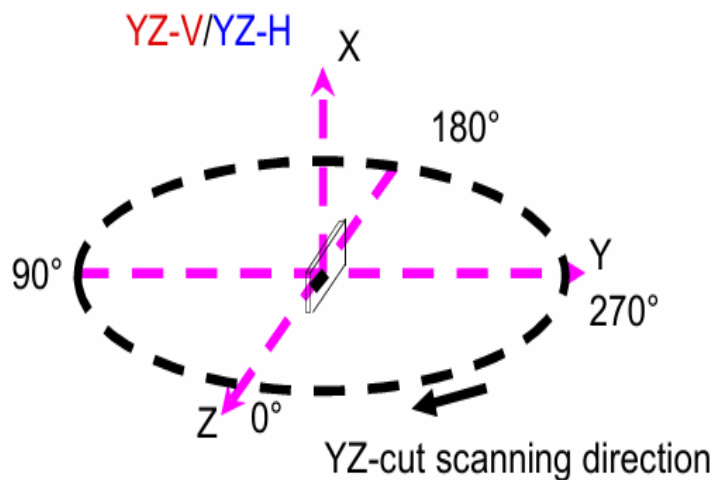
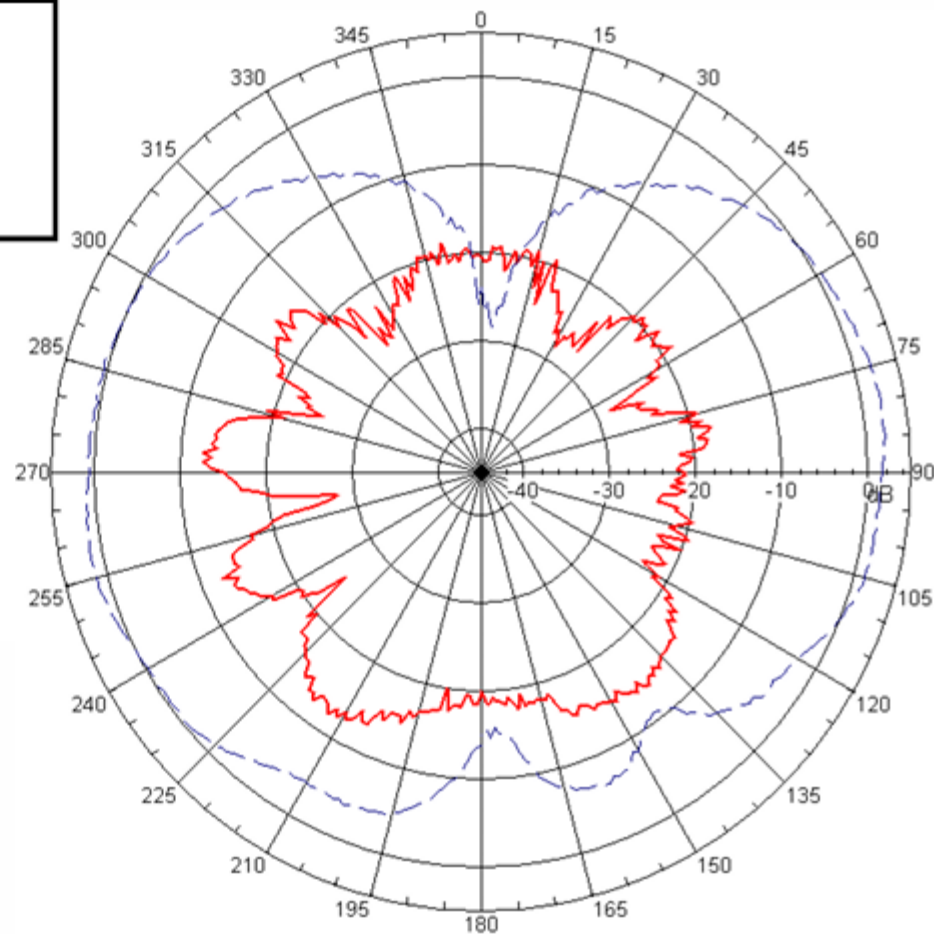




Typical Radiation Patterns @ 2.45GHz YZ-plane

YZ cut @2.45GHz

— Vertical
- - - Horizontal





The end , thanks!