



Shenzhen Yangyue Electronic Communication Technology Co., Ltd.

RF Engineer: 李飞虎

Testing Date: 2025-10-23

FrequencyRange:WIFI/BT 2.4GHz



Revision History

Date	Revision	Description of changes
2025-10-23	TA	UC

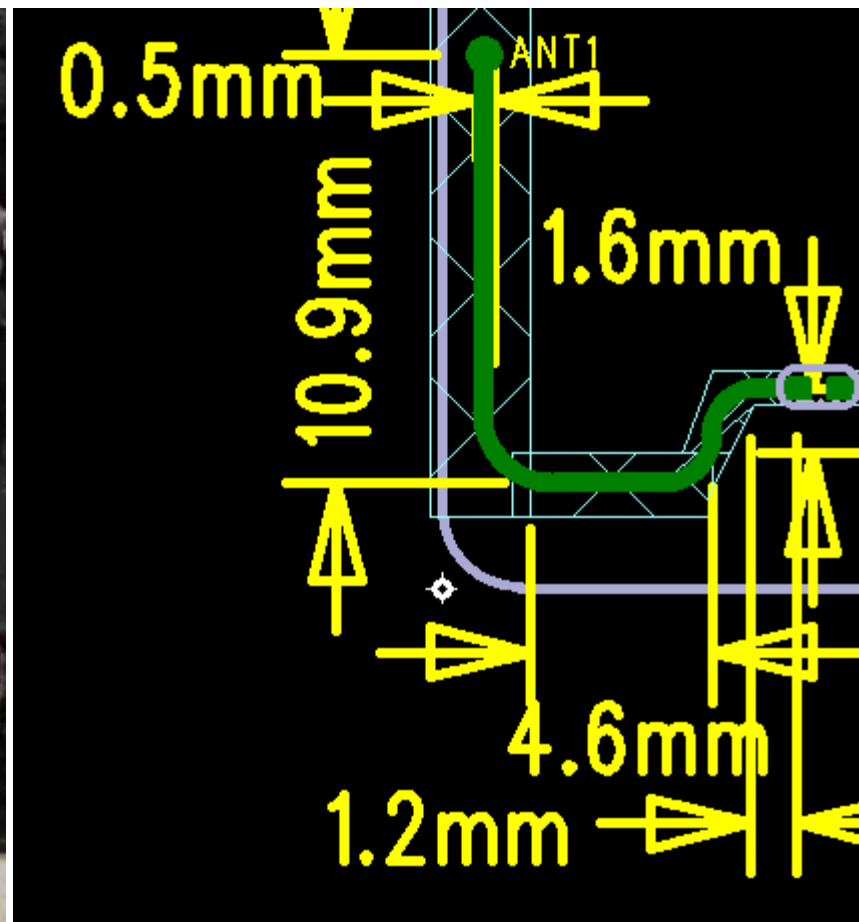
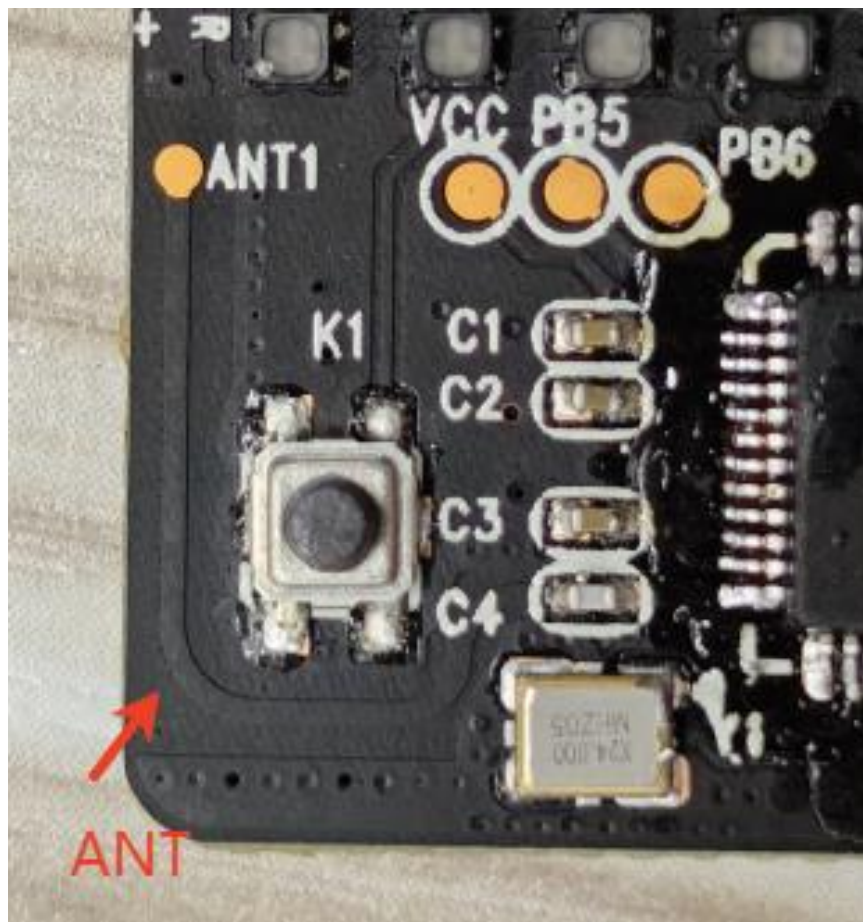
深圳市扬跃电子通信科技有限公司
Shenzhen Yangyue Electronic Communication Technology Co., Ltd.

Room 25G, Block D, Huaqiang Square, No. 1019, Huaqiang North Road, Huahang
Community, Huaqiangbei Subdistrict, Futian District, Shenzhen City



1. 基本信息

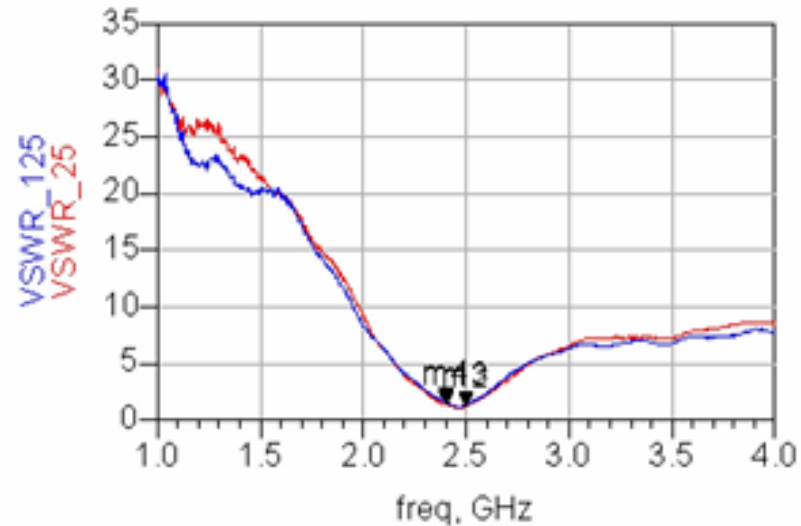
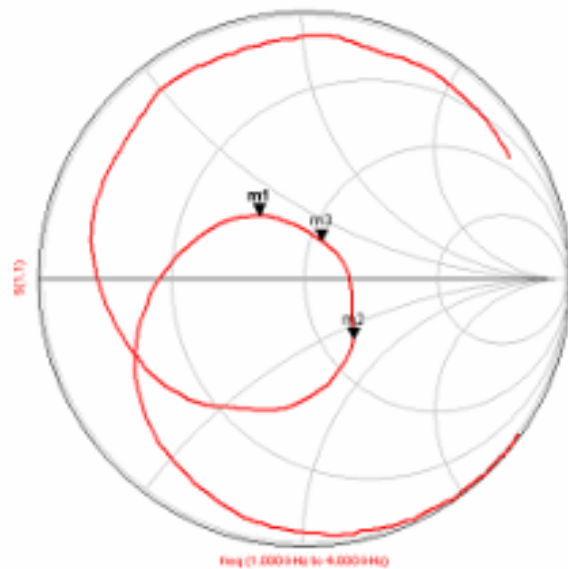
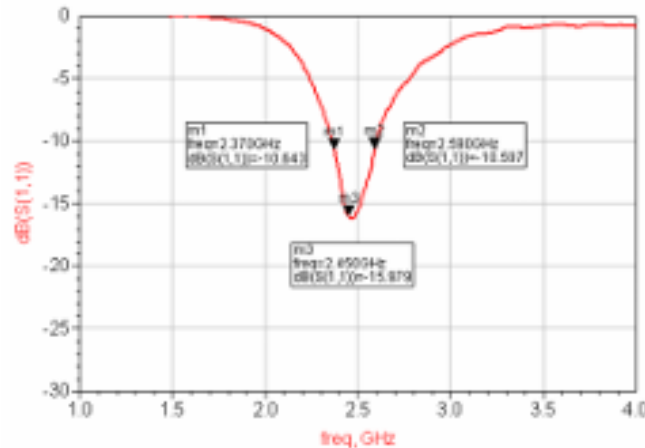
NO.	ITEMS	DETAILS	
1	工作频段 Operating band	BT 2.4GHz	
2	频率范围 Frequency range	BT 2400~2500(MHz)	
3	天线类型 Antenna Type	PCB ANT	
4			
5	主板版本 The mainboardversion	TR2507H106-02	
6	输入阻抗 InputImpedance	50 (Ω)	
7	增益 Gain	Peak Gain: 0.5dBi (YZ-V) Average Gain : -0.5 dBi (YZ-V)	
8			
RF		李飞虎	
ME			





Typical Electrical Characteristics

Return Loss with matching circuit @ +25C VSWR with matching circuit @ +25C and +125C



m1
freq=2.400GHz
VSWR_25=1.386

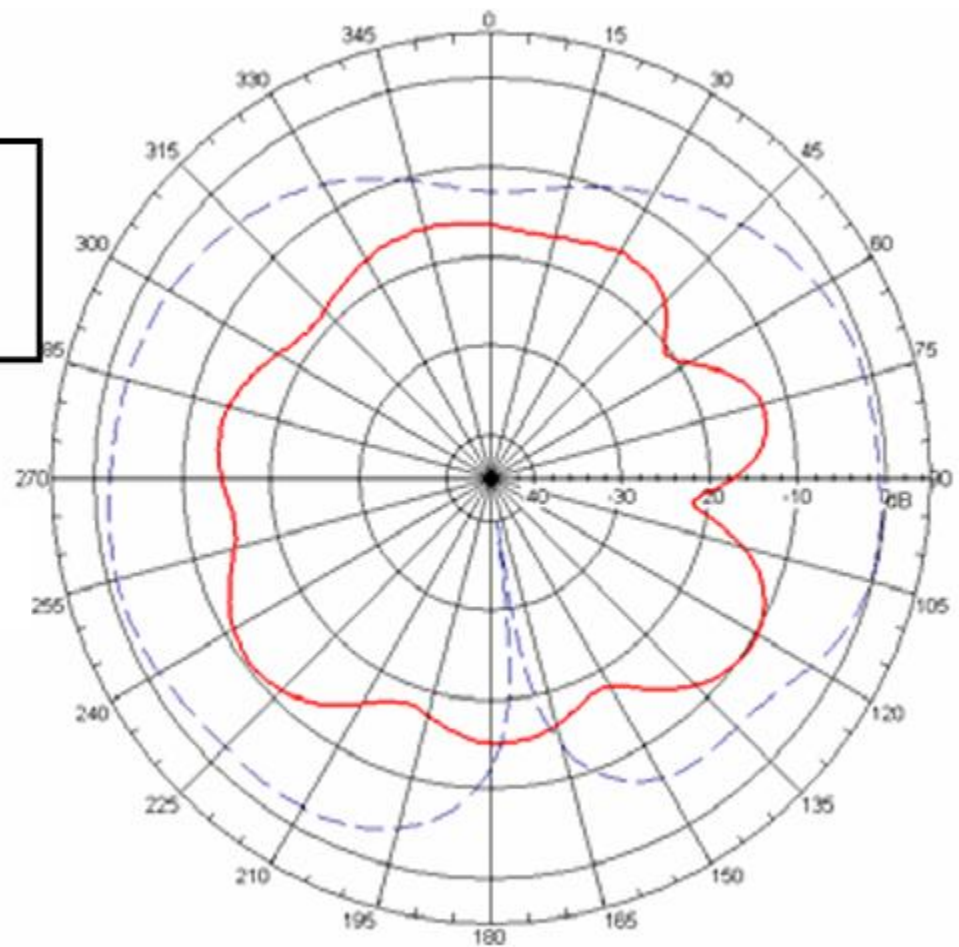
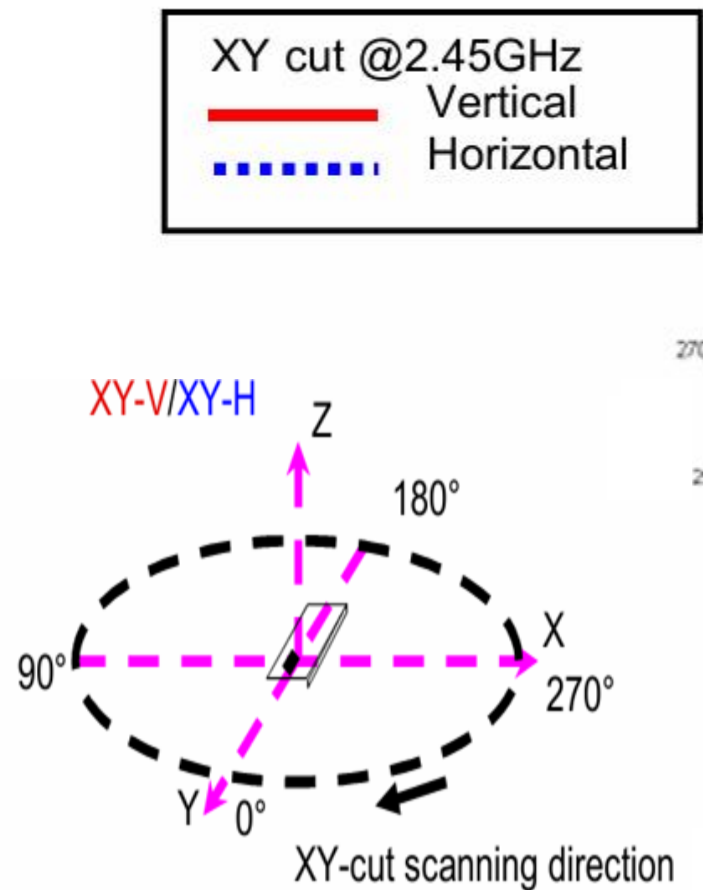
m2
freq=2.500GHz
VSWR_25=1.219

m4
freq=2.400GHz
VSWR_125=1.606

m3
freq=2.500GHz
VSWR_125=1.332

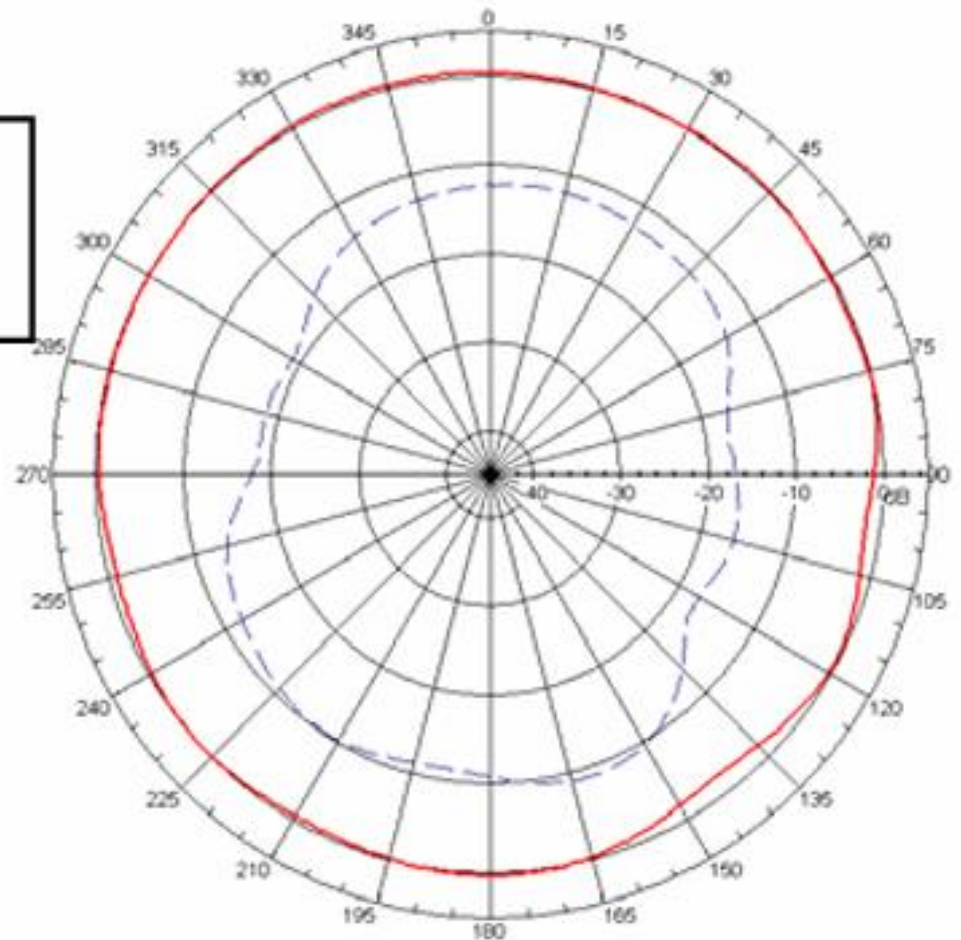
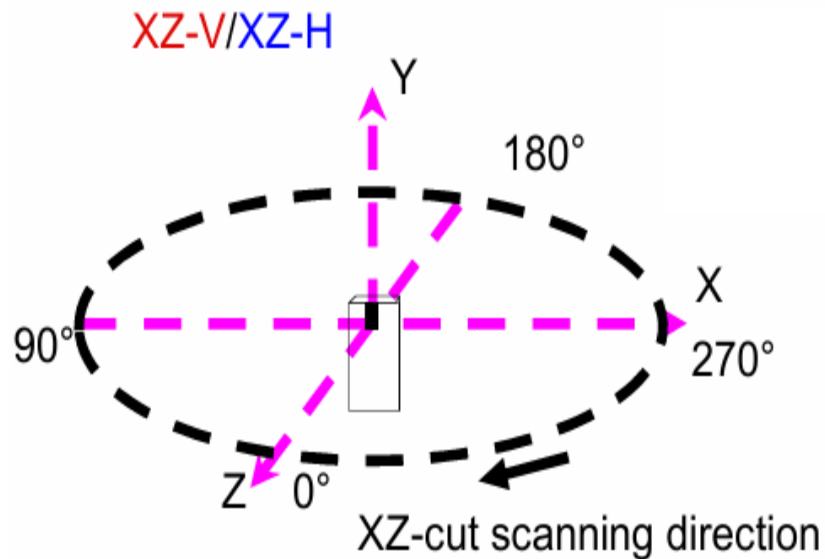
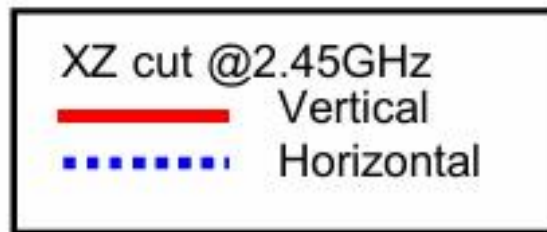


Typical Radiation Patterns @ 2.45GHz XY-plane



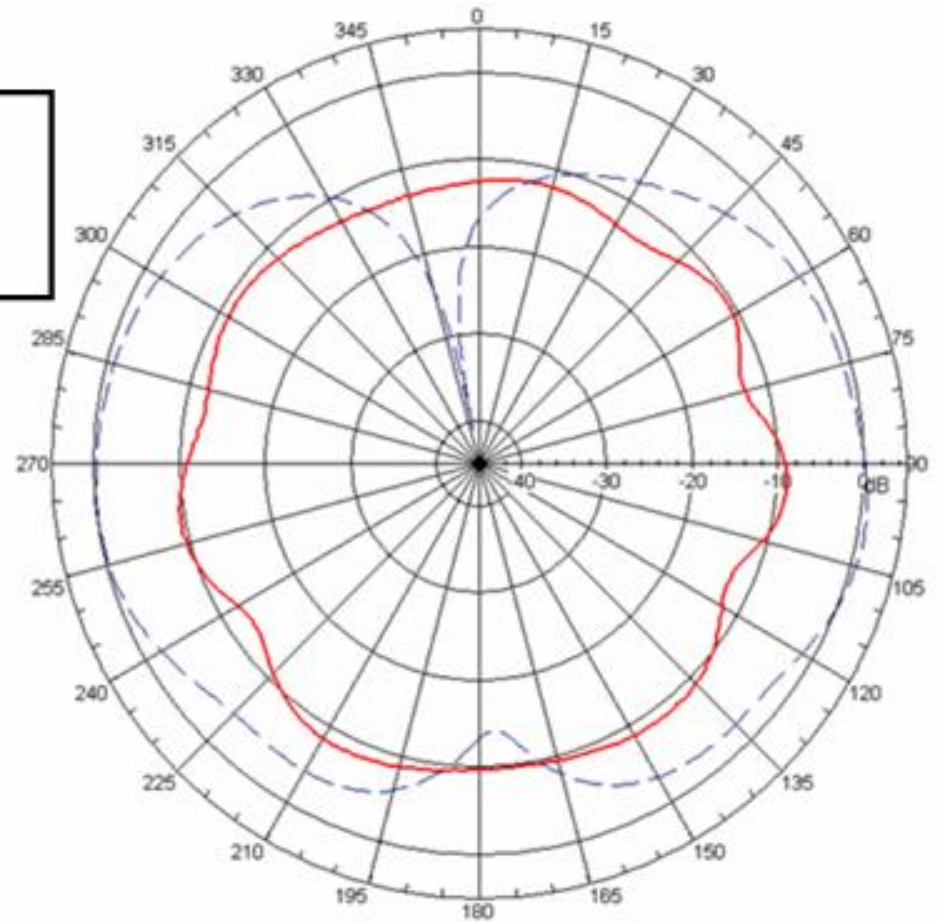
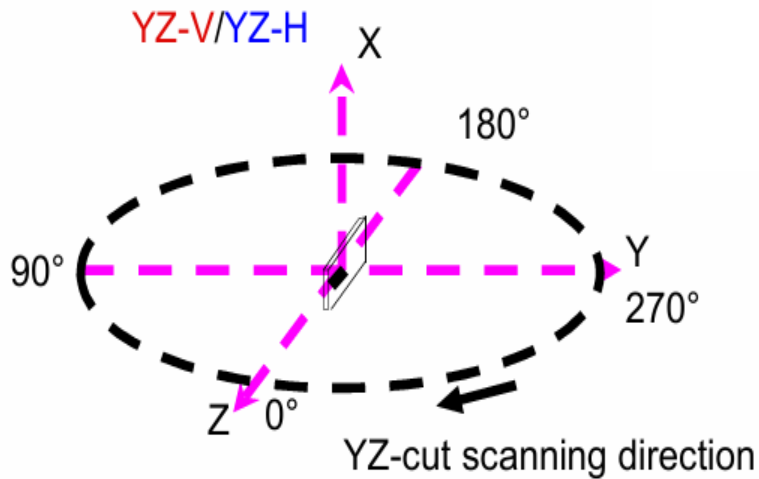
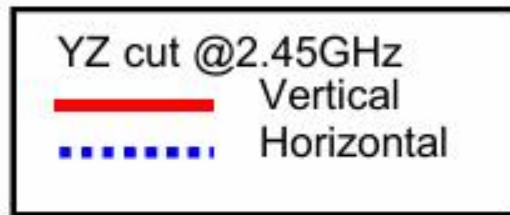


Typical Radiation Patterns @ 2.45GHz XZ-plane





Typical Radiation Patterns @ 2.45GHz YZ-plane





The end , thanks!