



Shenzhen Yangyue Electronic Communication Technology Co., Ltd.

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Model: iDeal 20X20

RF Engineer: 李飞虎

Testing Date: 2025-3-31

FrequencyRange:WIFI/BT 2.4GHz



Revision History

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

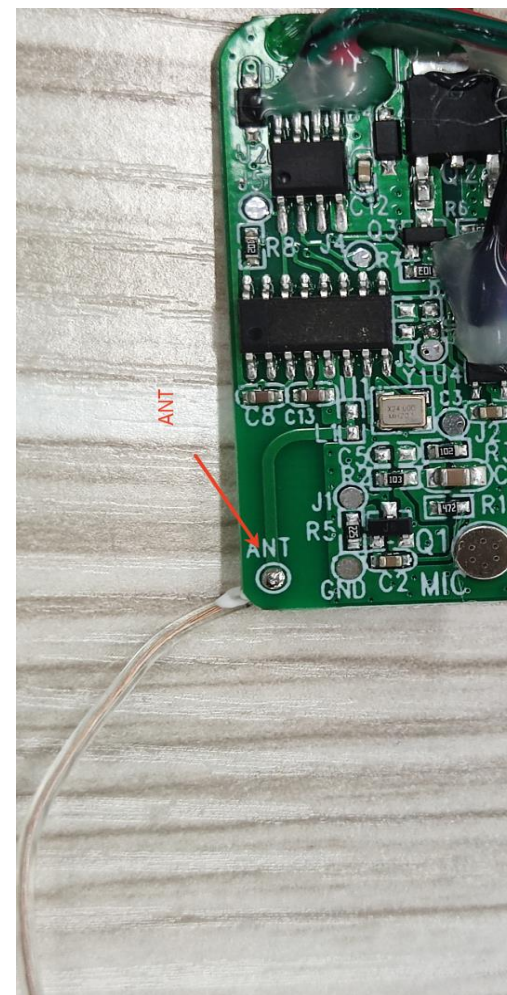
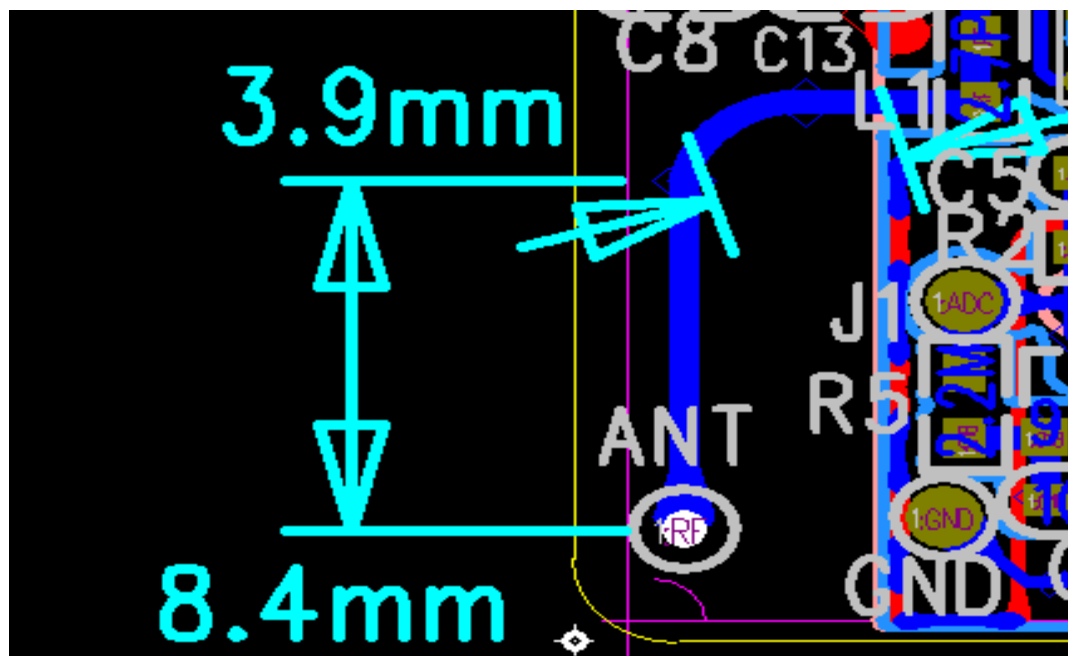


1. 基本信息

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	IFA	
4	天线材质及实现形式	PCB	
5	主板版本 The mainboardversion	TR2110H063-06	
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	极化方式 Polarization	垂直极化 +水平极化	
RF		李飞虎	
ME			



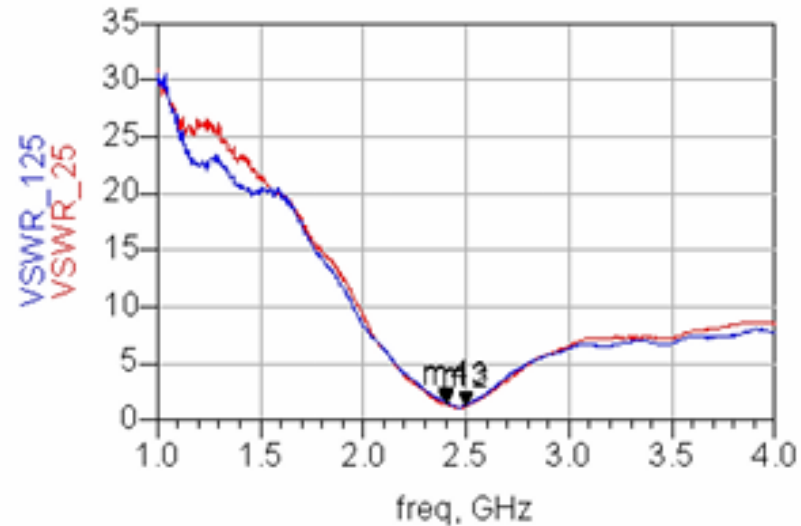
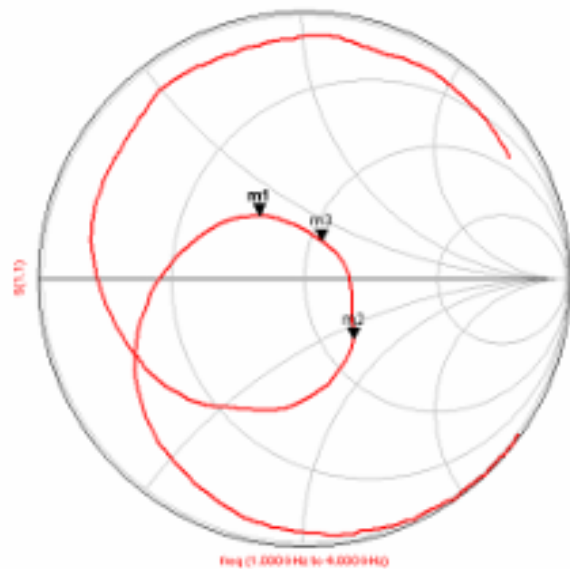
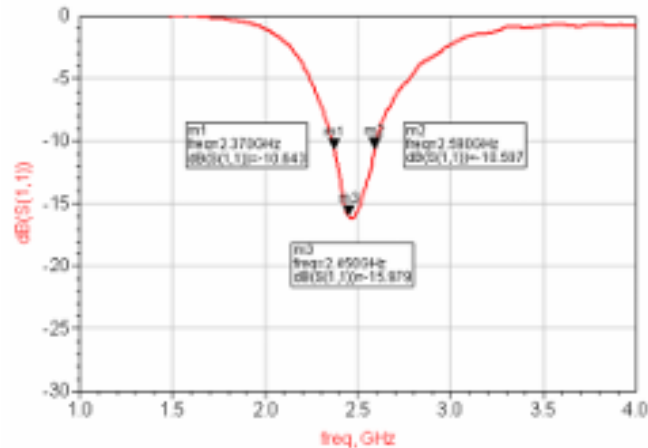
2. 天线实物及物理尺寸





Typical Electrical Characteristics

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



m1
freq=2.400GHz
VSWR_25=1.386

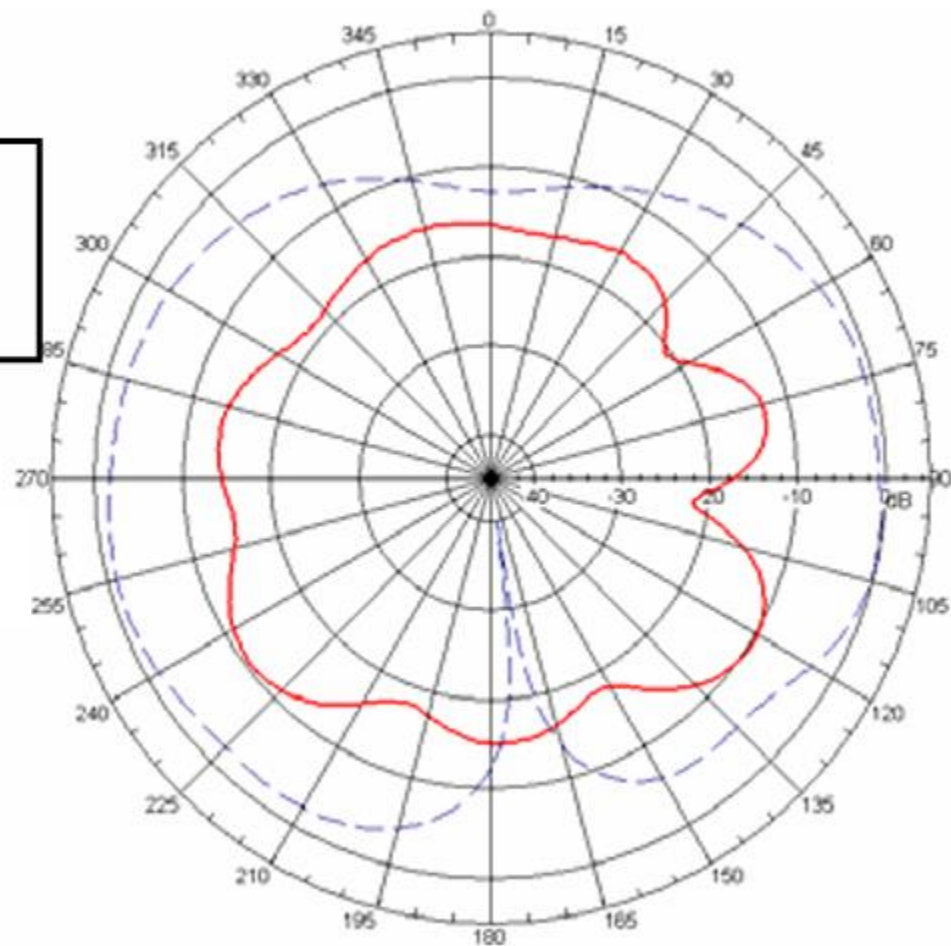
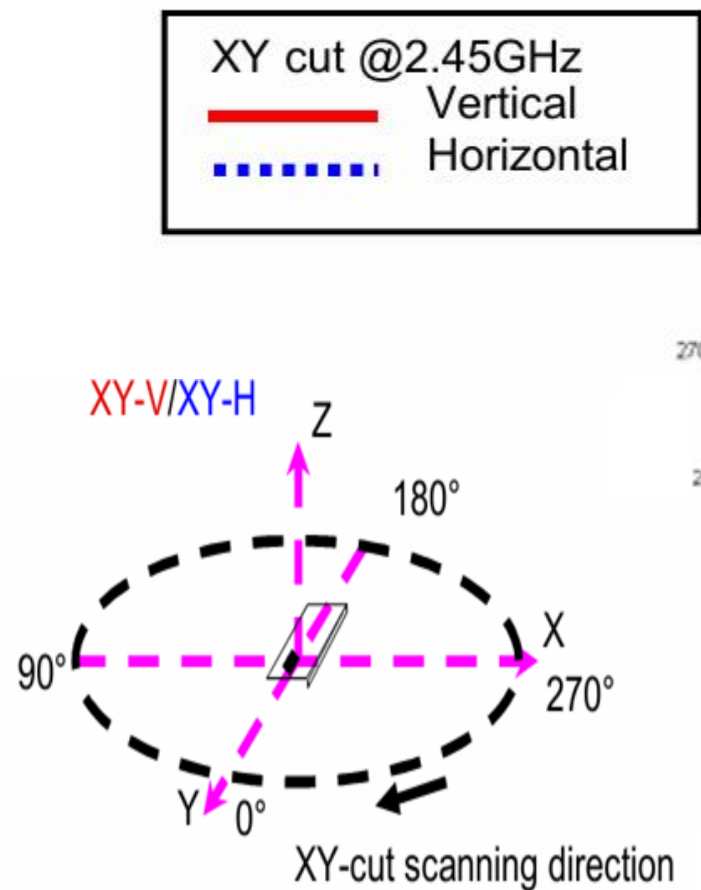
m2
freq=2.500GHz
VSWR_25=1.219

m4
freq=2.400GHz
VSWR_125=1.606

m3
freq=2.500GHz
VSWR_125=1.332

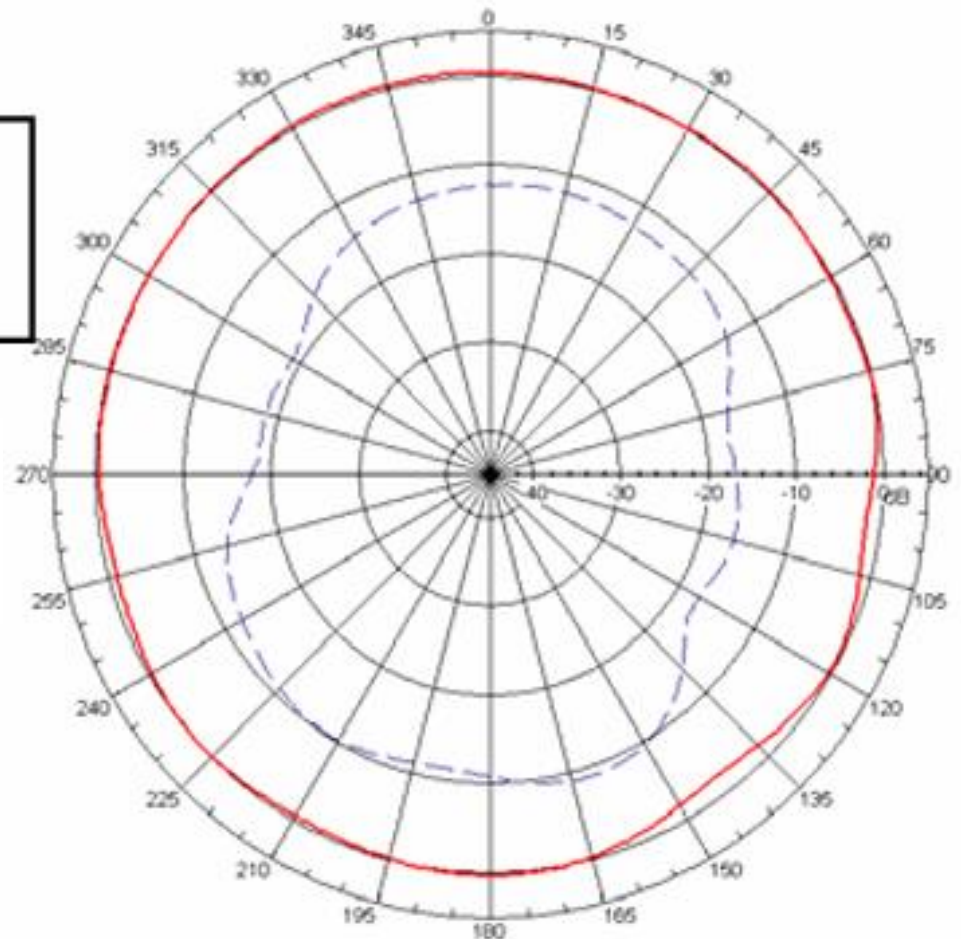
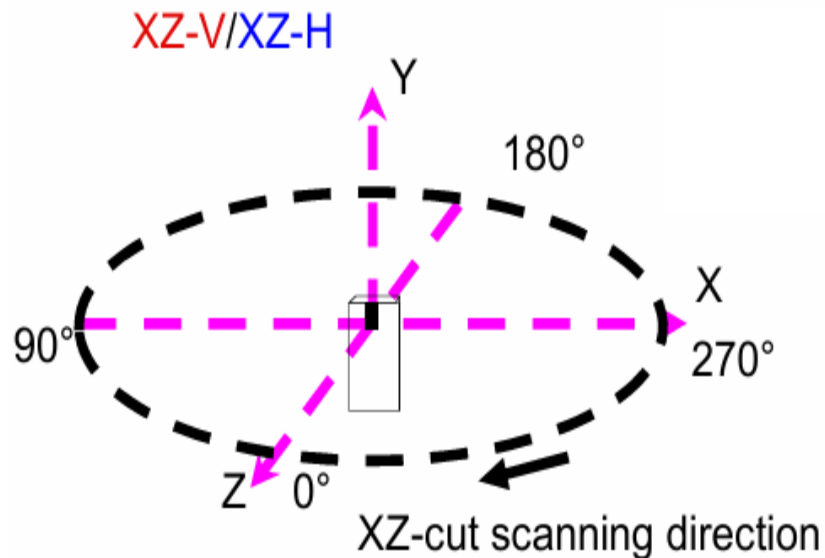
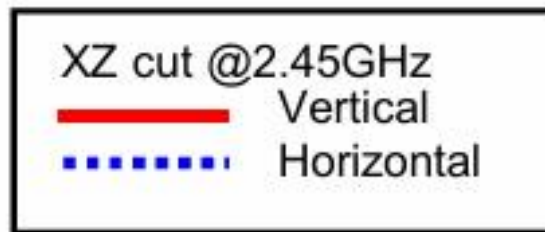


Typical Radiation Patterns @ 2.45GHz XY-plane



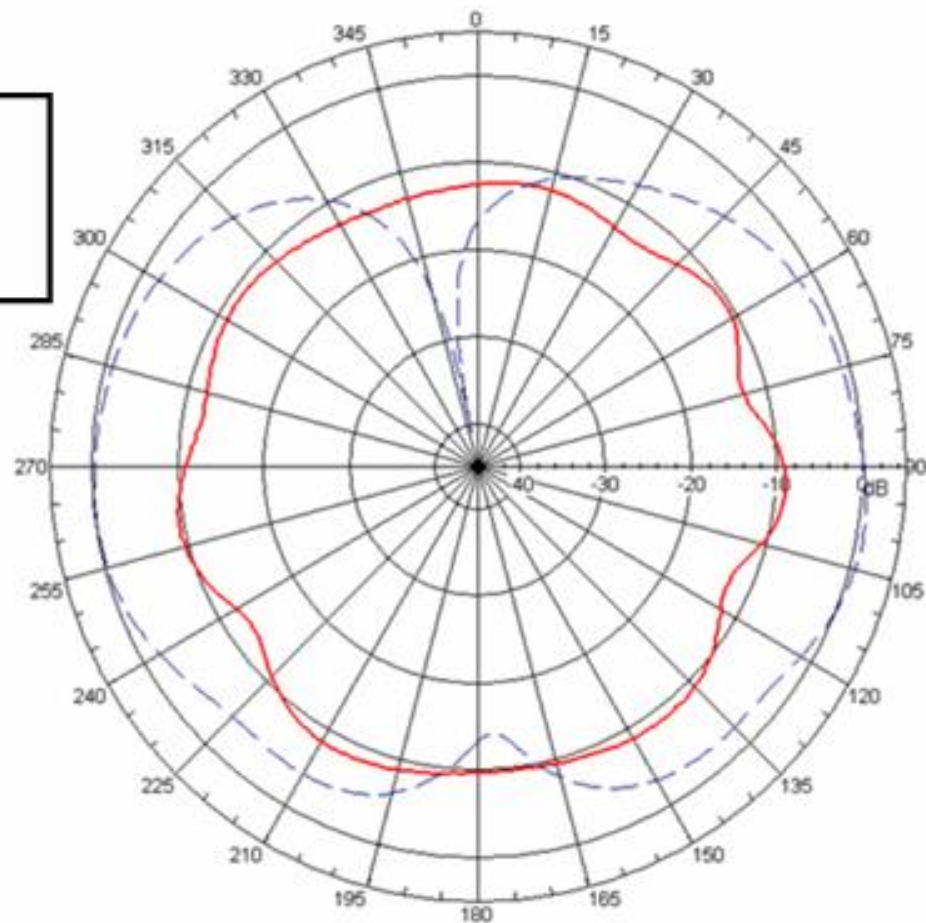
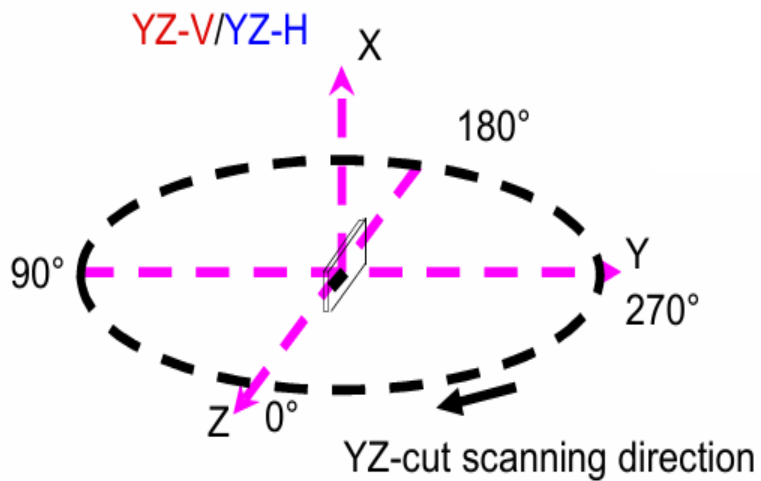
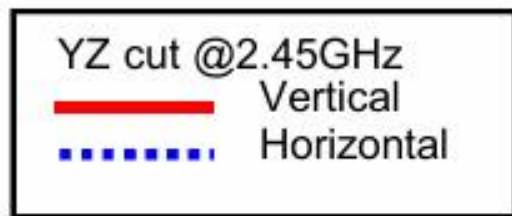


Typical Radiation Patterns @ 2.45GHz XZ-plane





Typical Radiation Patterns @ 2.45GHz YZ-plane





The end , thanks!