

Antenna specification

Antenna specification for approval

The customer name: 英众

modeis:T17

Antenna types:WIFI antenna

Antenna band: 2.4G/5.85G

Material requirements: FPC

Color:green

Material no:F825A-1L11B-225-A

Production date: 2015-5-8

Version: A

Admit that signature			
Confirmation Signature		Customer Approved	
Responsible		Responsible	
QC		Chief	
Approve		Approve	
Date		Date	

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The first:an overview

- This approval sheet supports for MID project. FPC antennas include in this project. This report is for the performance of WLAN antenna.
- Antenna shape size: Meet the requirement of MID
- Antenna band: 2400MHz~2500MHz,5850MHz
- Antenna material: Antenna material meet the requirement of MID
- Adhesive performance: Adhesive performance meet the requirement of MID
- Antenna performance meet the spec below:

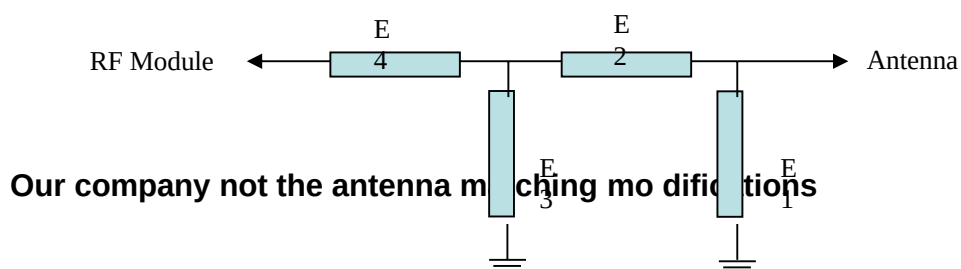
Description	2.4GHz~2.5GHz	5.8GHz	Units
VSWR	≤ 2.0		
Average Antenna Gain	≥ -4.5		dB
Antenna Efficiency	≥ 40		%
Feed Impedance	50 ohms		
Operating Temperature	-40 to +85 deg C		
Polarization / Azimuth	Linear / Omni-directional		

• Mechanical Information

Mechanical Dimension	
Cable Length	225mm/Black
Description	WLAN antenna
Material	FPC
Coaxial Cable	50Ohm/O.D.1.13mm
Environmental	
Operation Temperature	-40 to +85 deg C
Storage Temperature	-40 to +85 deg C

Second:matching circuitry,machine pictures,aerial images

2.1 Matching circuit diagram

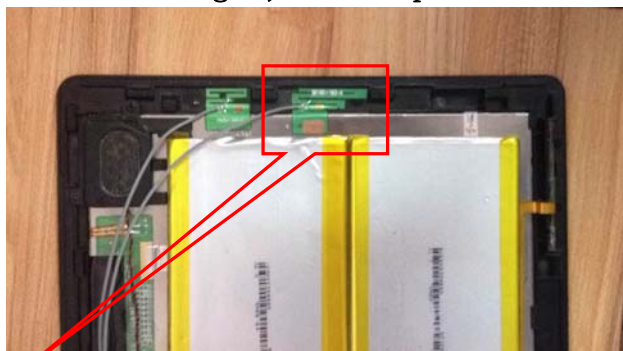


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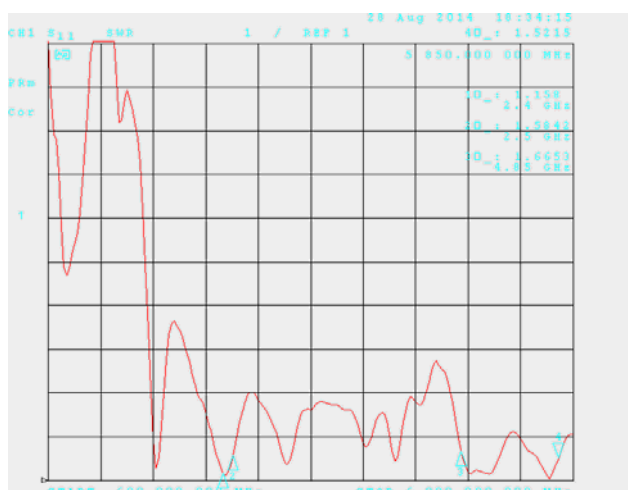
2.2 Machine images, aerial pictures



As shown in figure is WIFI antenna stick position

Pattem3:standing wave ratio(VSWR),efficiency

3.1 Standing wave ratio



3.2. efficiency

Frequency (MHz)	VSWR
2400	1.06
2450	1.28
2450	1.28
5000	1.56

Frequency	Efficiency (%)	Average GAIN(dB)	Peak GAIN (dBi)
2400	39.24	-4.06	1.22
2450	42.19	-3.75	1.14
2500	37.6	-4.25	1.20
5000	26.24	-5.81	1.02

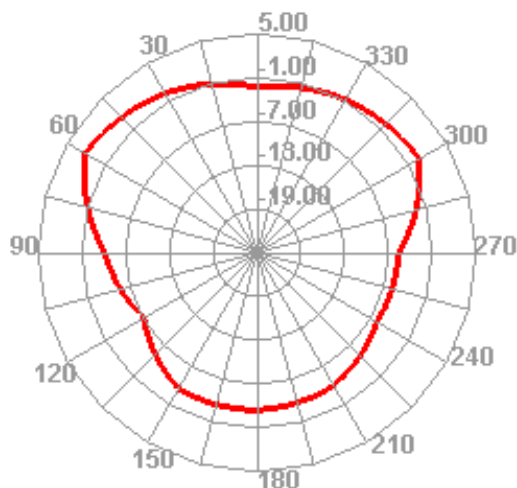
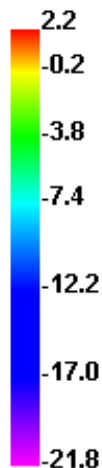
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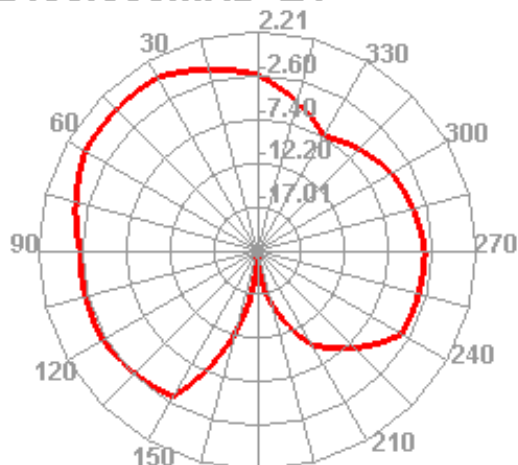
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四：3D pattern (WIFIbandintermediate frequency2450MHz)

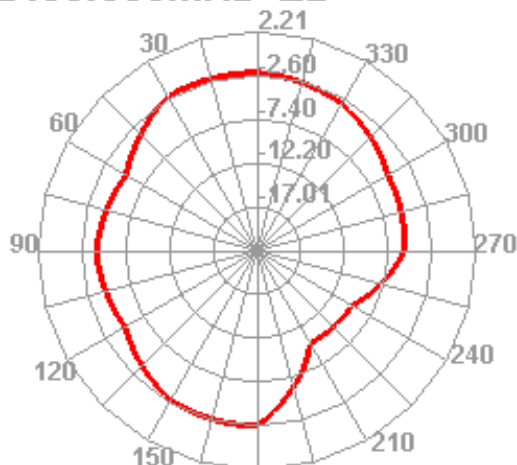
2450.000MHz



2450.000MHz E1



2450.000MHz E2

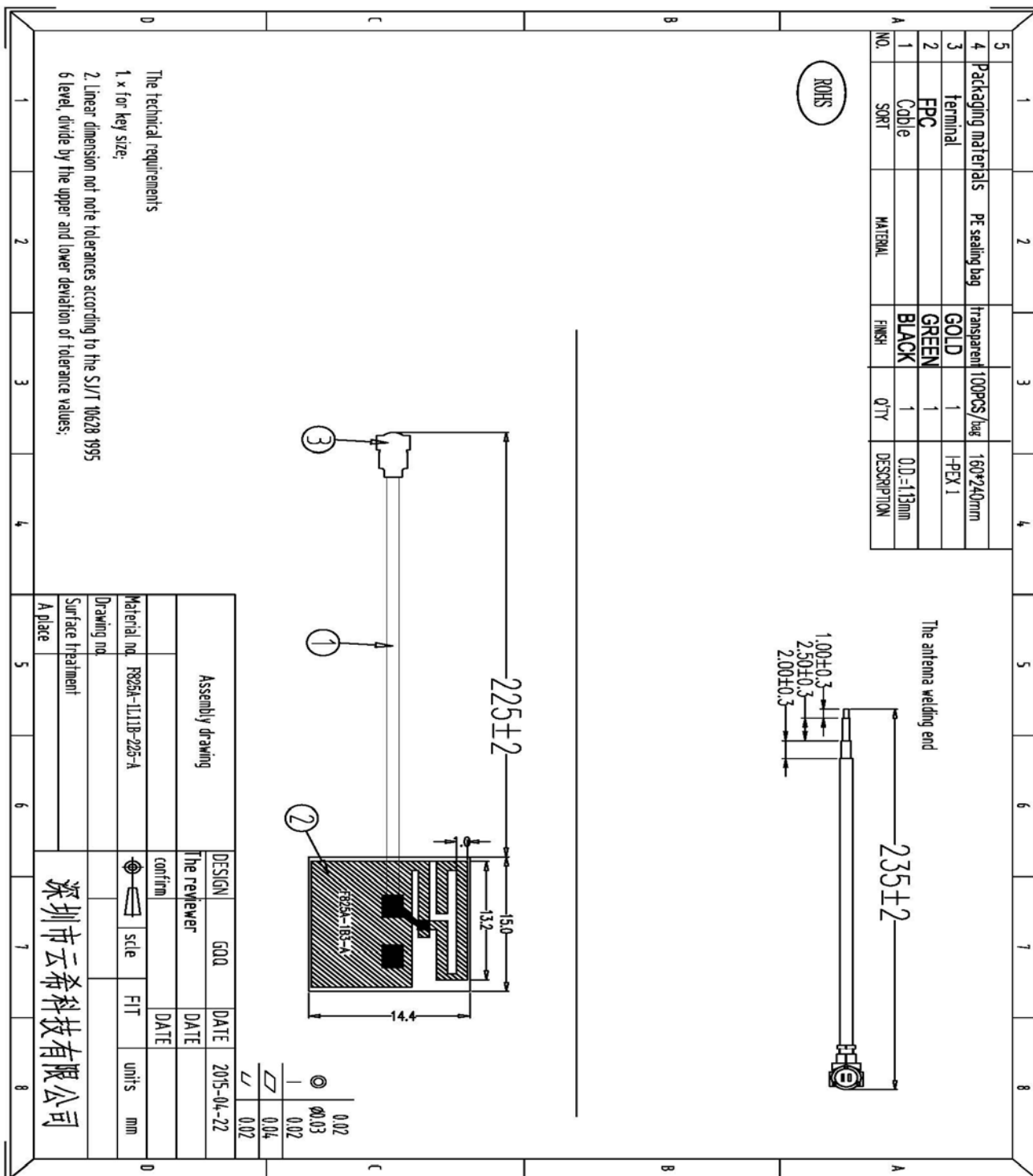


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5: Structural drawings



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