

天 线 规 格 书

Antenna specification for approval

客户名称: 希科普

机型: 1015A

天线类型: WIFI天线

天线频段: 2.4G/5.8G

材质要求: FPC

颜色: 黑色

料号: F1349A-1R24B-155-A

制作日期: 2024-11-11

Version: A

承 认 签 章 Admit that signature			
云 希 承 认 Confirmation Signature		客 户 承 认 Customer Approved	
承办人 Responsible		承办人 Responsible	
品质 QC		主管 Chief	
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一：概述

- This approval sheet supports for MID project. FPC antennas include in this project. This report is for the performance of WLAN+BT antenna.
- Antenna shape size: Meet the requirement of MID
- Antenna band: 2400MHz~2500MHz,4850MHz-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:

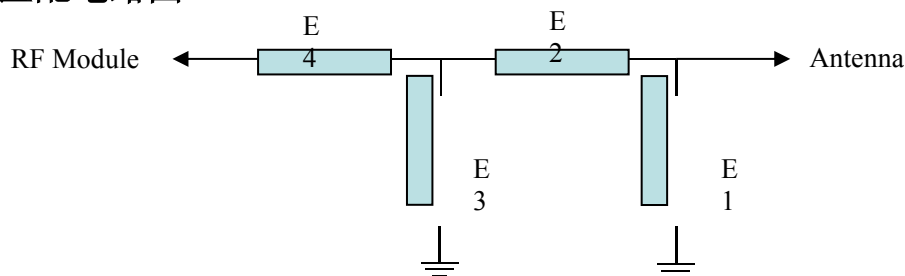
Description	2.4GHz~2.5GHz, 4.85G—5.85G	Units
VSWR	≤ 2.0	
Average Antenna Gain	≥ -4.5	dB
Antenna Efficiency	≥ 40	%
Feed Impedance	50 ohms	
Operating Temperature	-40 to +85 deg C	
Polarization / Azimuth	Linear / Omni-directional	

● Mechanical Information

Mechanical Dimension	
Cable Length	155mm/Black
Description	WLAN antenna
Material	FPC
Coaxial Cable	50Ohm/O.D.0.81mm
Environmental	
Operation Temperature	-40 to +85 deg C
Storage Temperature	-40 to +85 deg C

二：匹配电路图、机器图片、天线图片

2.1匹配电路图



我司未对天线匹配做修改

三：驻波比（VSWR）、效率

3.1 驻波比



3.2. 效率

Passive Test For WIFI				
Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)	
2400	48.7	-3.1	0.9	
2410	47.9	-3.2	1.0	
2420	48.6	-3.1	1.0	
2430	47.3	-3.3	1.1	
2440	48.1	-3.2	1.3	
2450	48.8	-3.1	1.4	
2460	47.3	-3.3	1.4	
2470	42.7	-3.7	1.3	
2480	41.2	-3.9	1.2	
2490	40.8	-3.9	1.1	
2500	39.8	-4.0	1.1	
5150	38.1	-4.2	0.8	
5200	33.7	-4.7	0.7	
5250	36.5	-4.4	1.0	
5300	47.9	-3.2	1.2	
5350	52.3	-2.8	1.7	
5400	57.3	-2.4	2.2	
5450	47.9	-3.2	0.9	
5500	48.2	-3.2	1.2	
5550	54.3	-2.7	1.7	
5600	54.4	-2.7	1.5	
5650	50.9	-2.9	1.3	
5700	49.1	-3.1	1.1	
5750	48.9	-3.1	0.9	
5800	52.6	-2.8	1.0	
5850	60.5	-2.2	1.5	

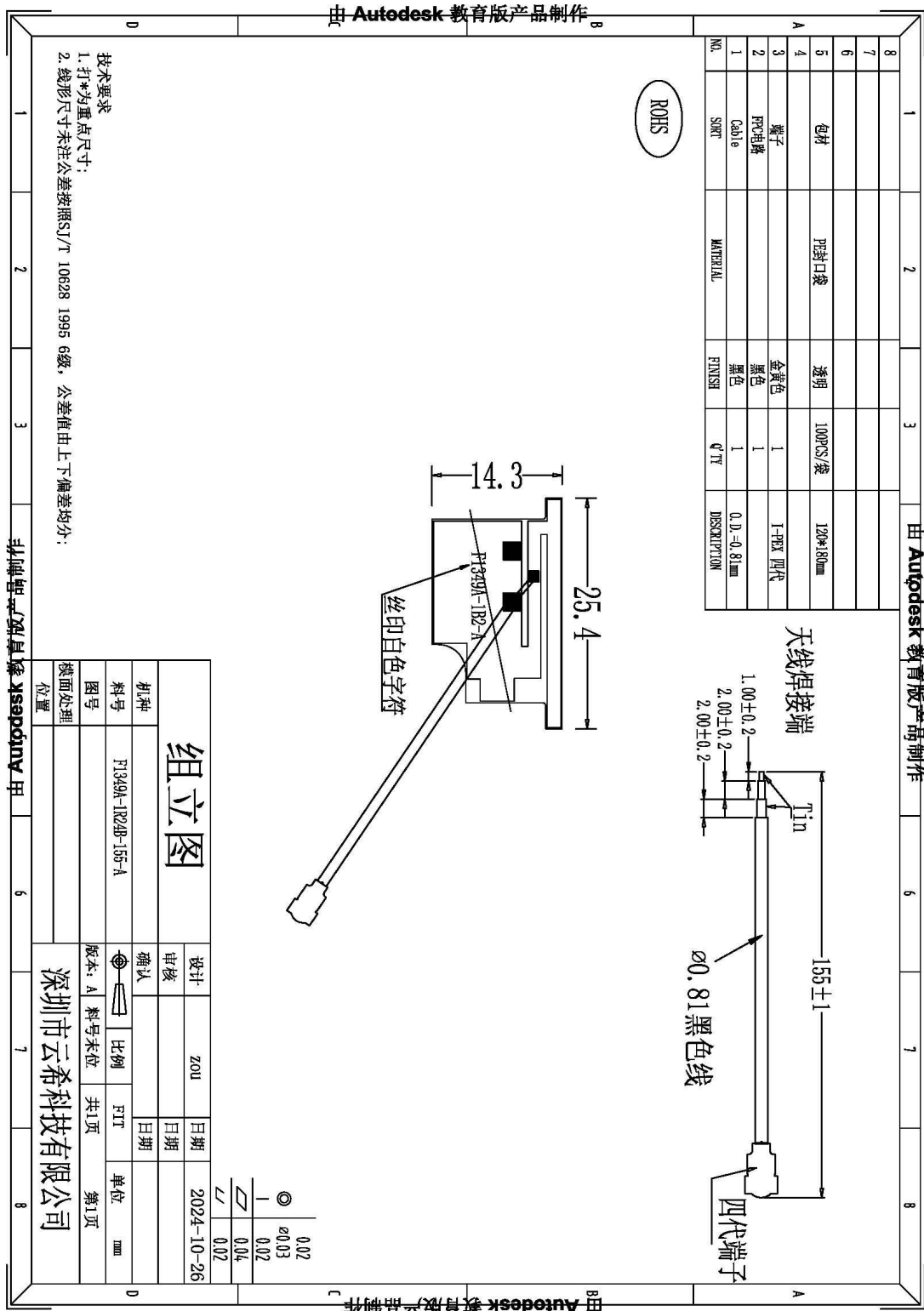
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四：结构图纸



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