

深圳市鑫域达科技有限公司

移动通信终端天线

Mobile communication terminal antenna

产品设计与制造规格书

Product design and manufacturing specifications

◆ 客户名称/ Customer: 恒昌通

◆ 项目名称/Project: XYD-RK-TL004

◆ 物料名称/Name: 5GWIFI 天线

弹片

FPC

支架

漆包线

同轴线

◆ 物料编号/Part no:

◆ 设计/Designer:

◆ 审核/Check:

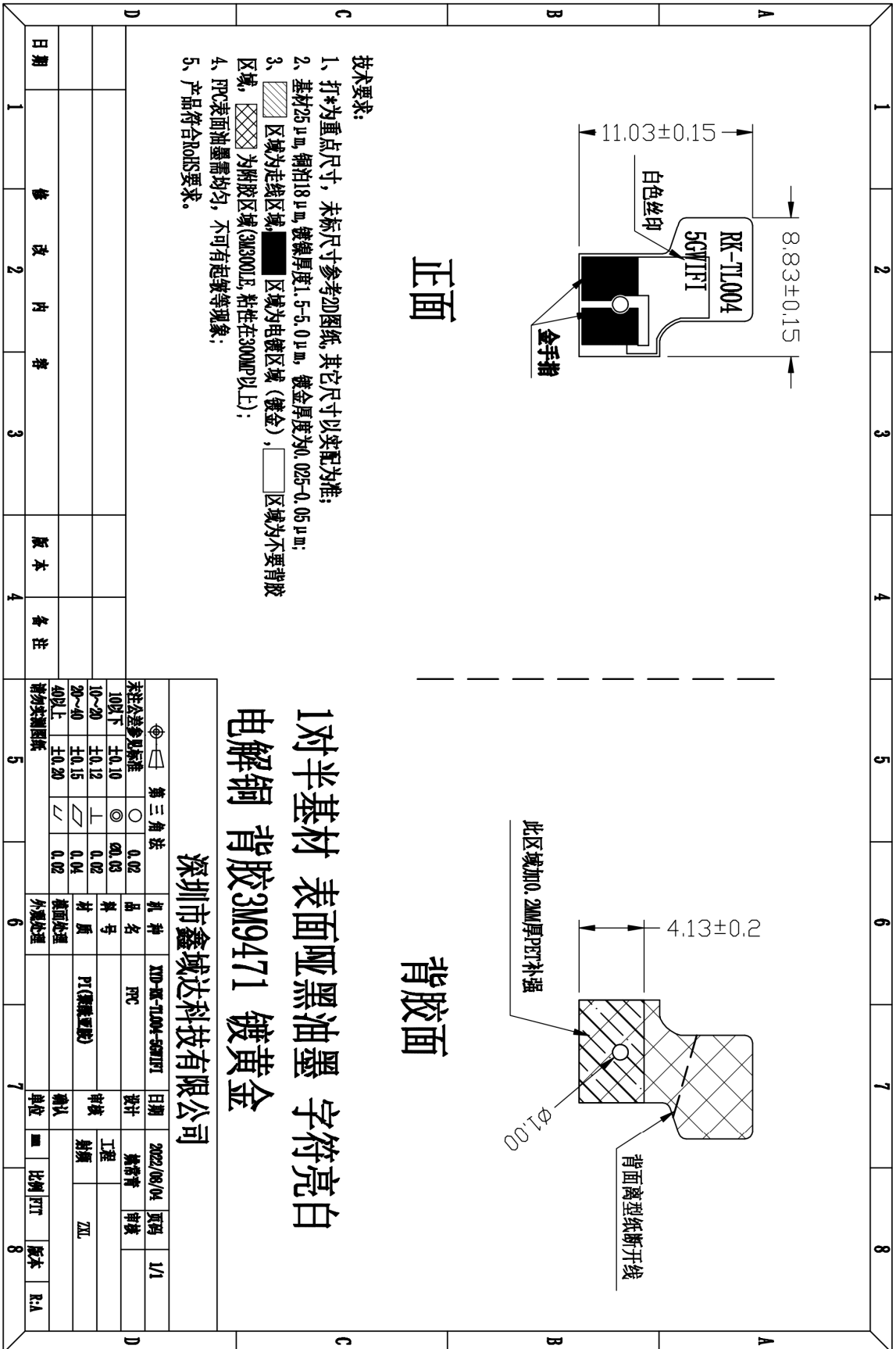
◆ 客户确认签章/Approved:

Manufacture's Name: Shenzhen Winmark Electronics Technology Co.,LTD.

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1. 天线成品图/Finished antenna picture

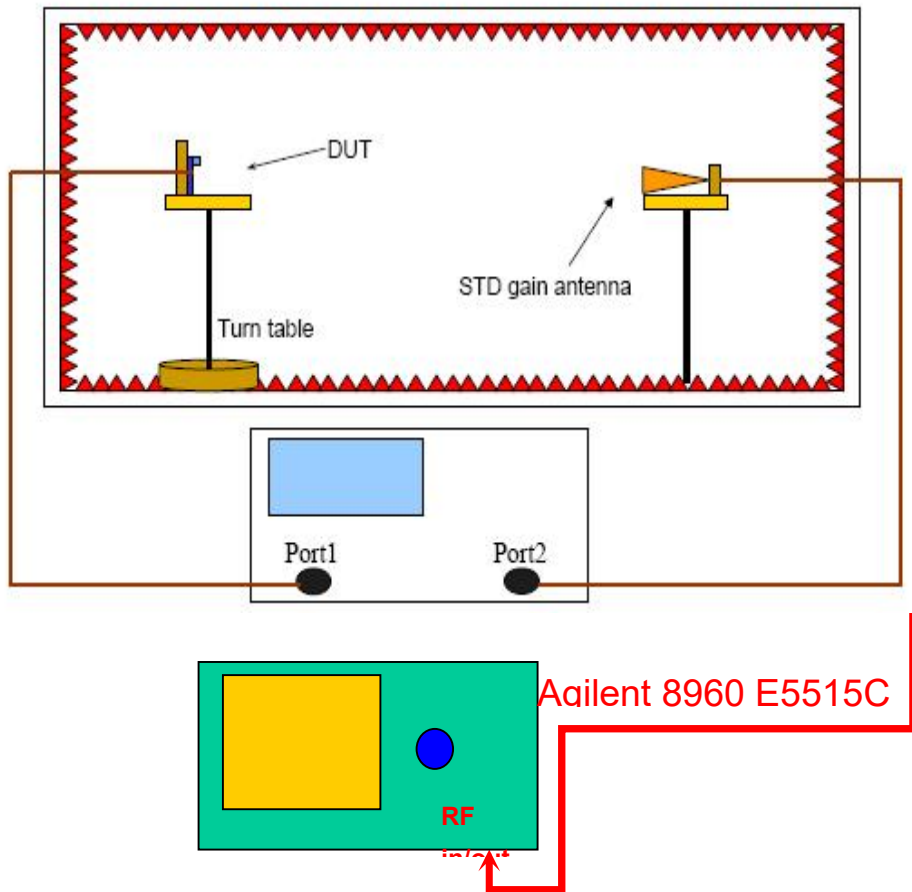


2.技术指标/Technical indicators

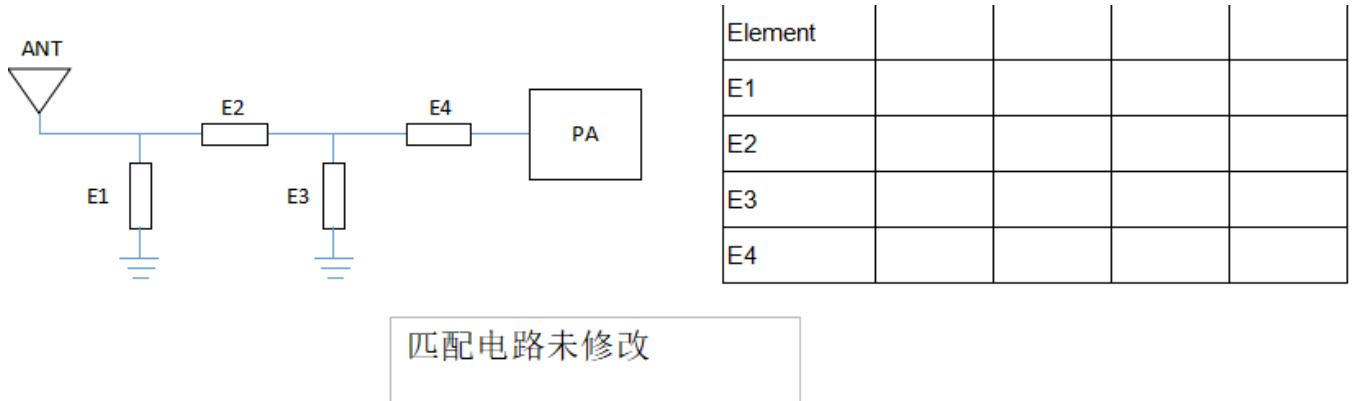
A. 电气性能/Electrical properties	
工作频率范围/Operating frequency range	5000 ~ 5850 MHz
驻波比/standing wave ratio	5000 ~ 5850 MHz: < 3.0
天线增益/Antenna gain	5000 ~ 5850 MHz: 2.62 dBi ± 0.5dBi
辐射效率/radiation efficiency	5000 ~ 5850 MHz: >45 %
阻抗/impedance	50 ohm
B. 材料/Material	
FPC	
C. 环境/environment	
工作温度/Operating temperature	- 30°C ~ + 85 °C
储藏温度/stored temperature	- 30°C ~ + 85 °C

3.动态测试数据/Dynamic test data

测试仪器: Agilent 8960 E5515B+ Chamber



4.天线匹配电路图/Antenna matching circuit

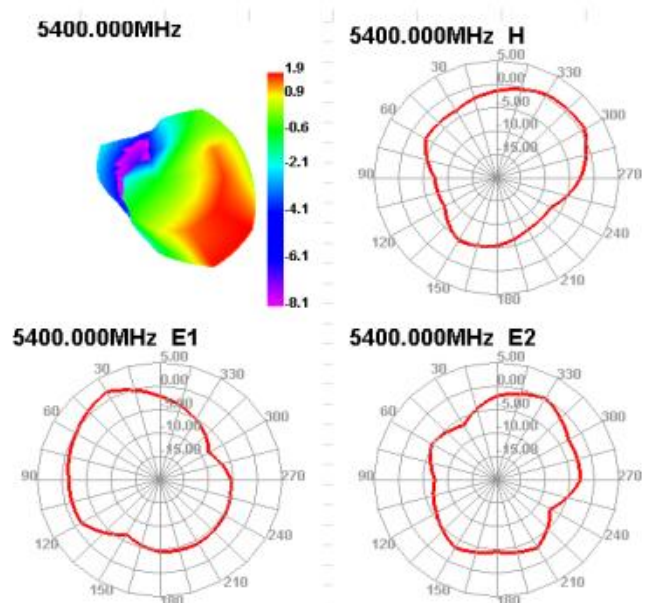


5. 天线粘贴图示/Antenna pasting diagram

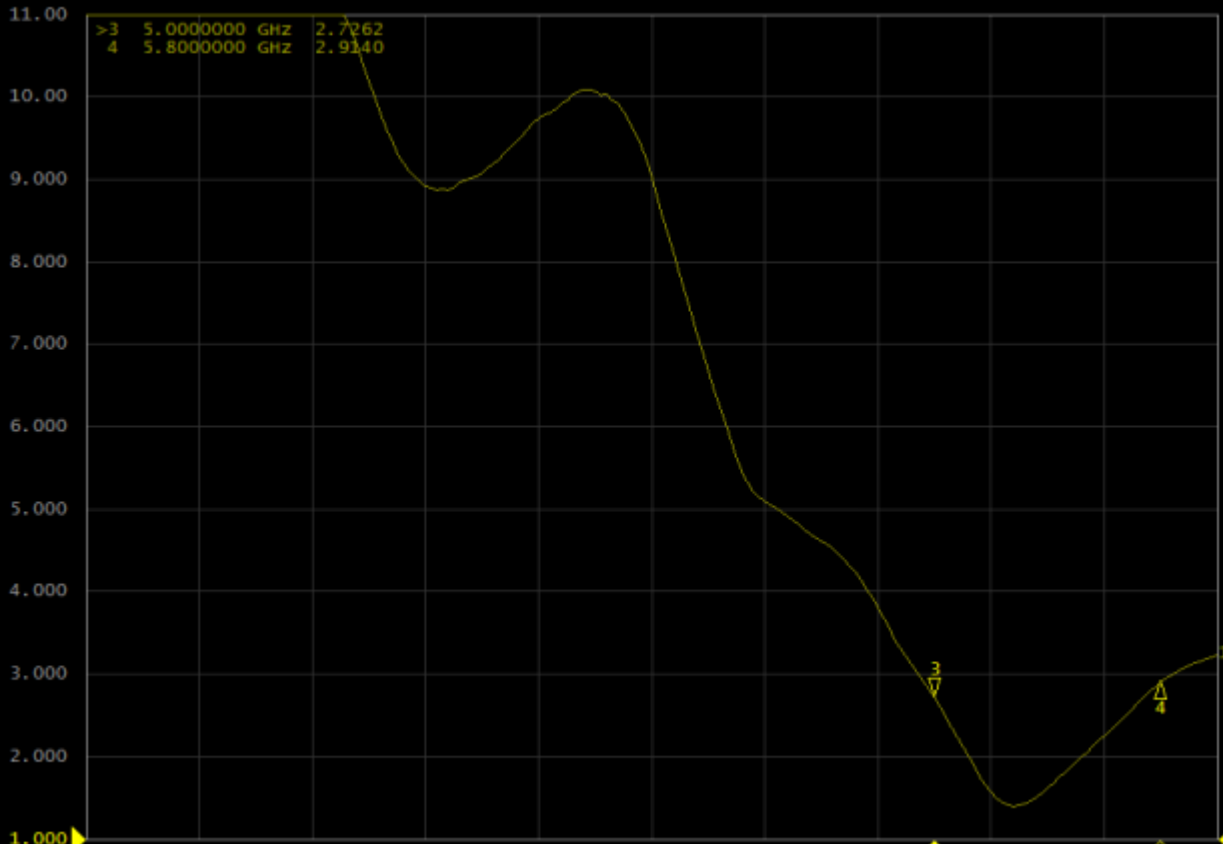


6. 天线实际测试数据/Antenna actual test data

Freq (MHz)	Effi (%)	Gain (dBi)
5000	46.82	1.77
5100	53.2	2.02
5200	57.4	2.54
5300	56.22	2.62
5400	51.95	1.91
5500	49.88	2.36
5600	50.51	2.27
5700	49.02	1.87
5800	45.67	1.62



▶ **[F1]** S11 SWR 1.000/ Ref 1.000 [F1 M]



1 Start 2 GHz

IFBW 70 kHz

Stop 6 GHz Sim PExt Cor I

Meas Stop ExtRef Svc