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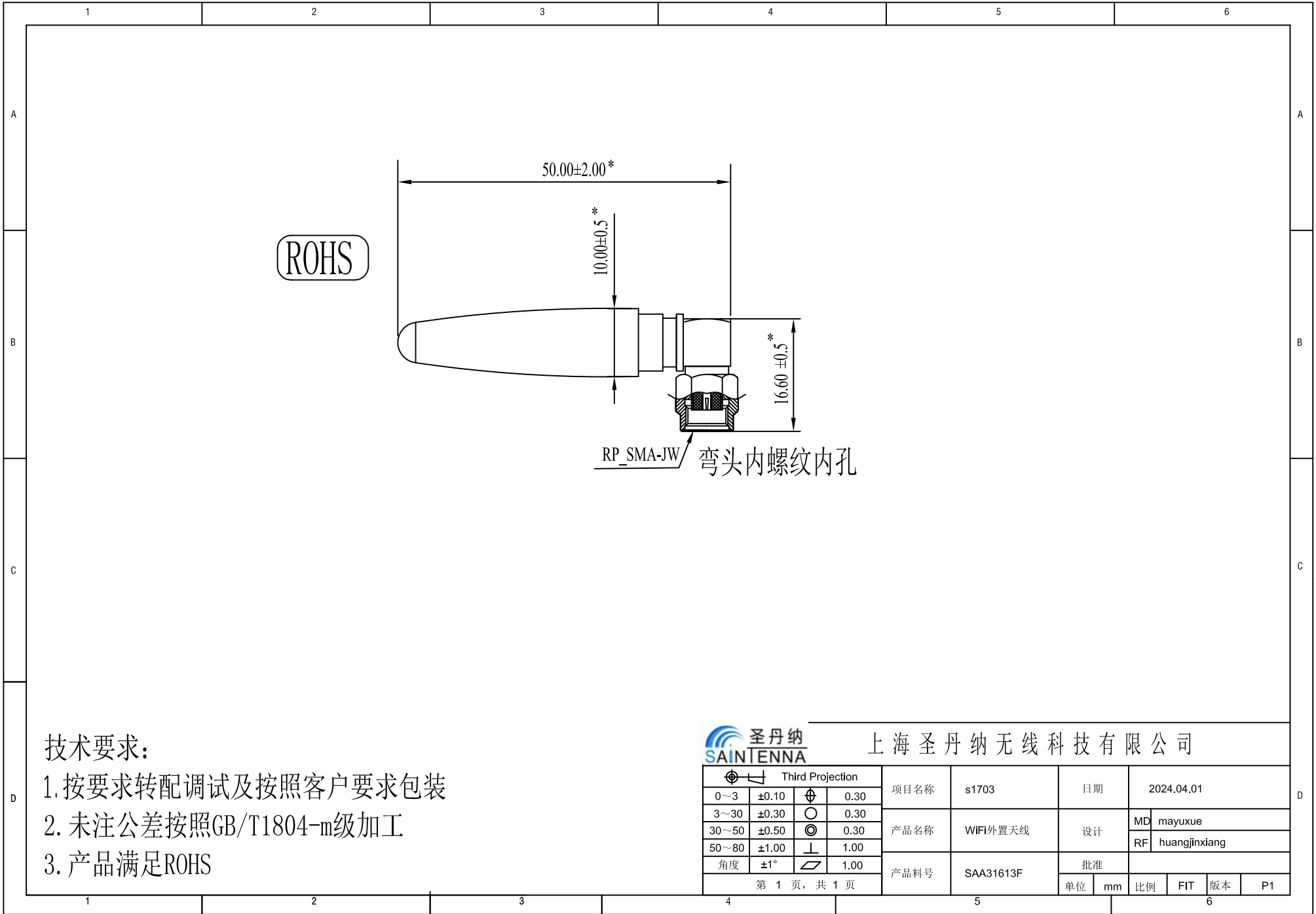
规格/Specification

1. 机械规格/Mechanical Specification

- 连接方式/Connect Type..... RP-SMA-JW
- 工作温度/Work Temperature..... -40~65℃
- 存储温度/Storage Temperature..... -40~65℃

2. 电性能参数/Electrical Specification

- 频段/Frequency Range..... 2400MHz~2500MHz
- 驻波比/VSWR..... <2
- 效率/Efficiency..... <46.81%
- 增益/Peak Gain..... 1.03dBi
- 极化/Polarization..... Linear
- 特性阻抗/Input Impedance..... 50Ω
- 最大承载功率/Max Input Power..... 5W





艾罗充电桩WIFI天线数据报告

上海圣丹纳无线科技有限公司
Shanghai Saintenna Wireless Technology Co., LTD.

Project Information

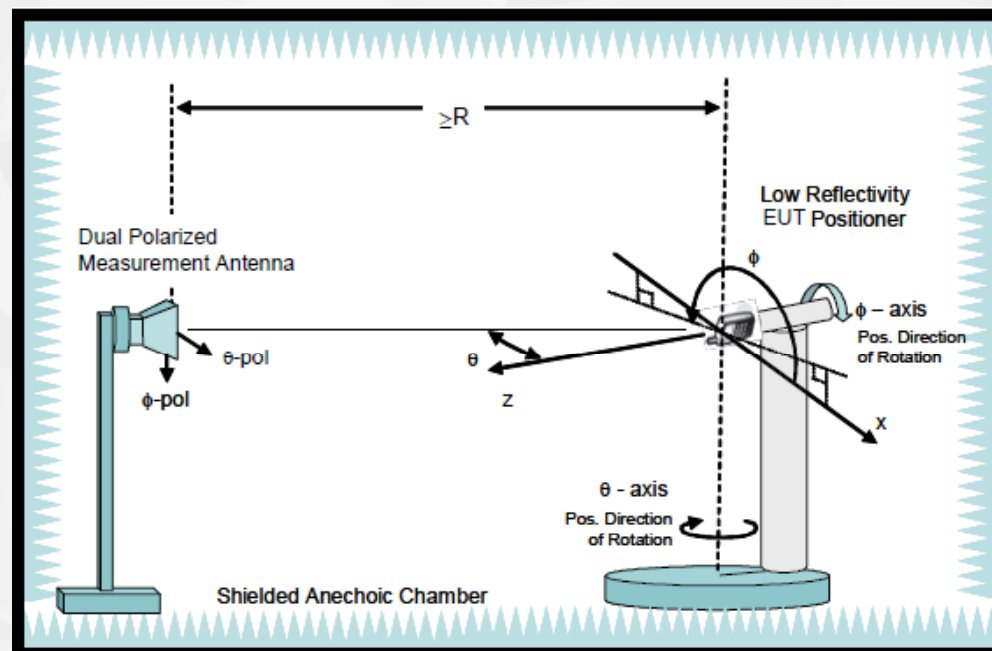
客户名称 Customer Name	艾罗
项目名称 Project Name	充电桩
工作频段 Working Band	WiFi 天线频段：2.4~2.5GHz
规格 Description	PCB + Cable + Ipex
撰写 Author	黄金祥
日期 Date	2024-04-15

Tuning Instrument

Network Analyzer	Agilent E5071C
Frequency Range	100KHz ~ 8.5GHz
Test Item	Return Loss/VSWR/Smith Chart /Isolation

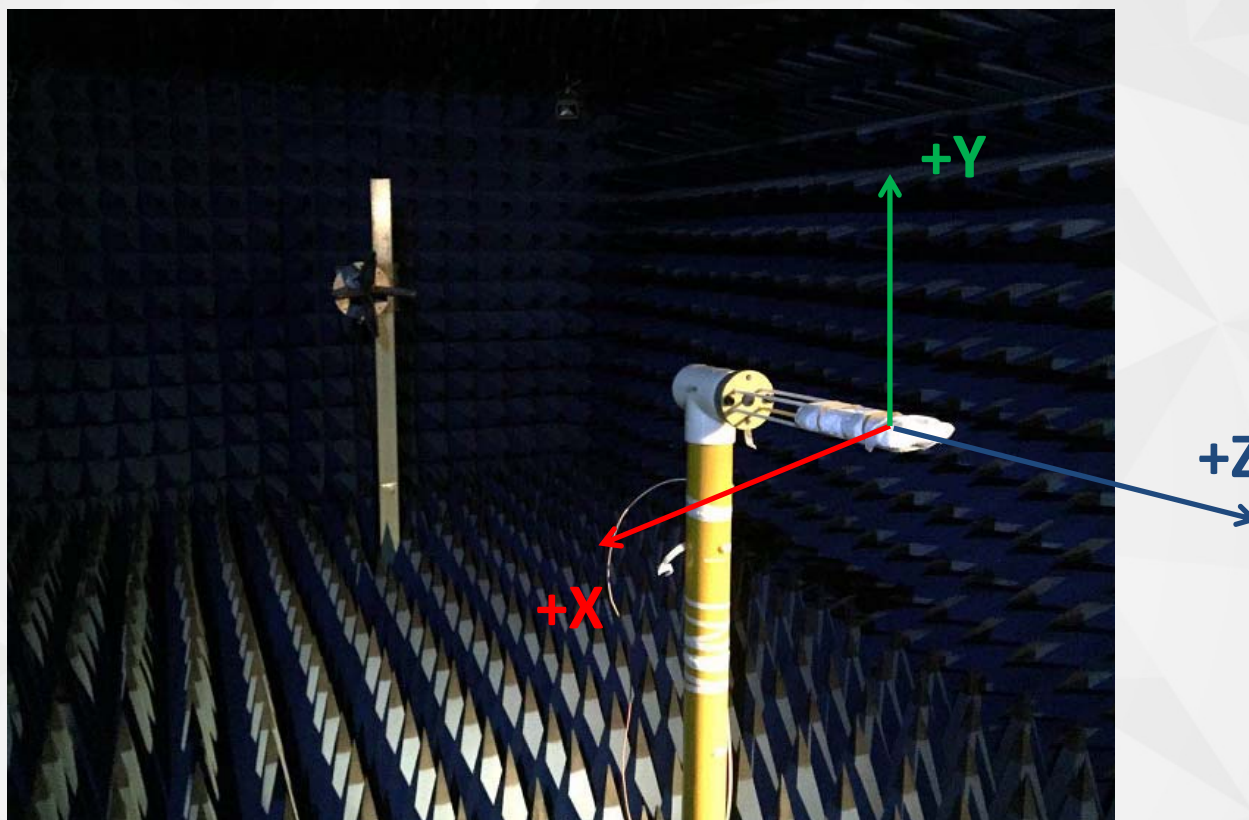


Typical Setup for Test System



Combined-Axes System

Anechoic Chamber



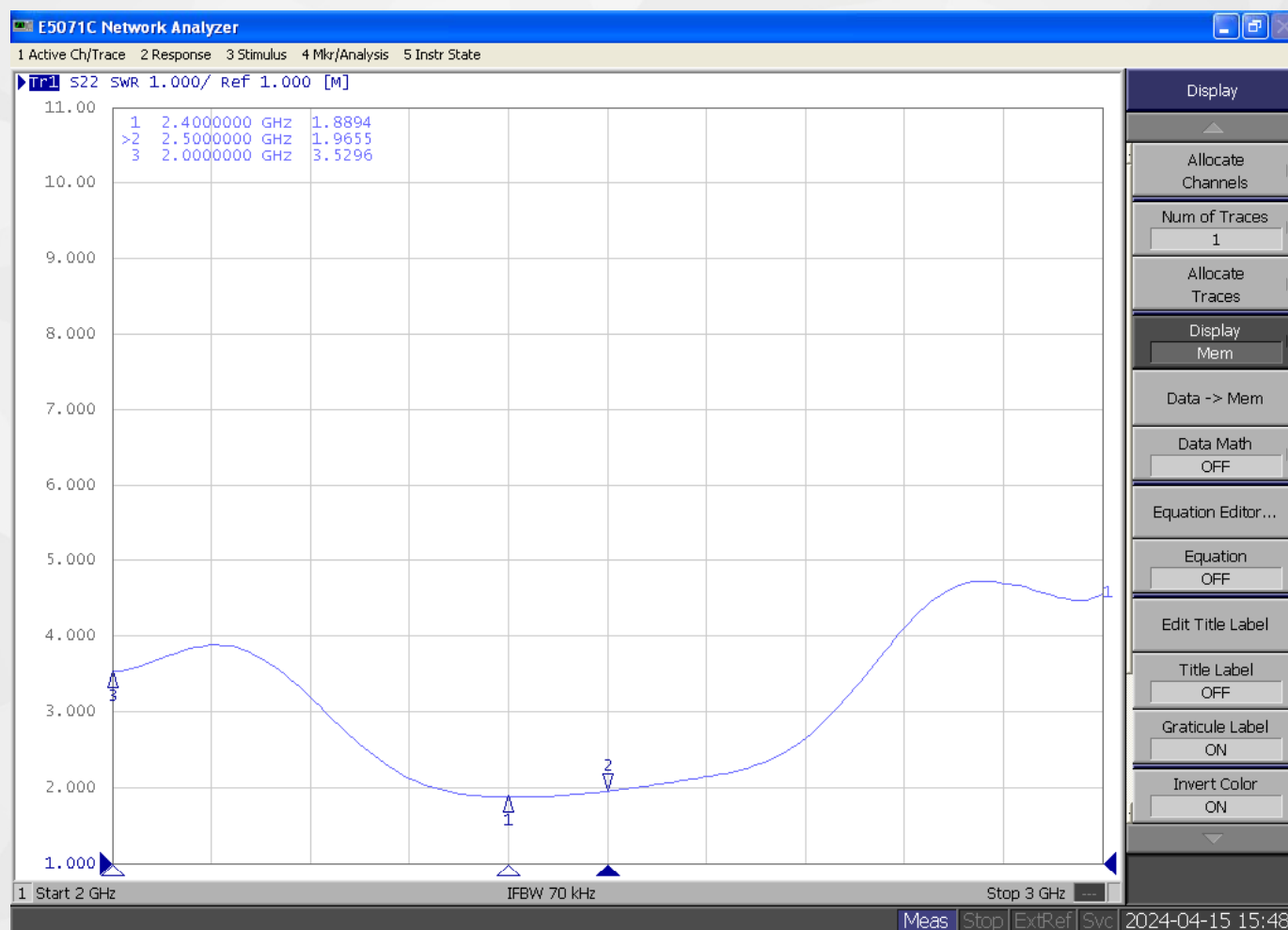
Combined-Axes System

Comment: E1 plane means XZ section, E2 plane means YZ section, H plane means XY section.

Antenna Sample Description



VSWR



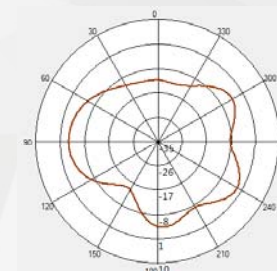
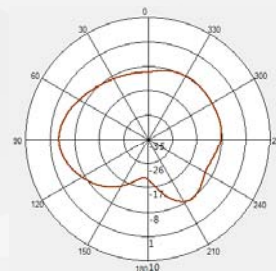
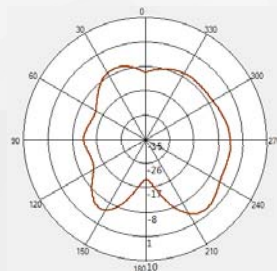
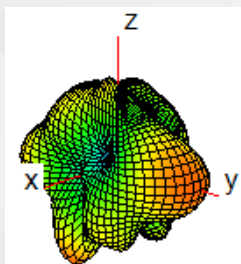
Passive Test Result

Frequency (MHz)	Gain (dBi)	Efficiency (%)
2400	-0.97	41.1
2410	-0.52	42.4
2420	-0.2	43.25
2430	0.07	43.59
2440	0.4	45.04
2450	0.38	45.63
2460	0.45	45.58
2470	0.8	46.81
2480	0.8	44.84
2490	0.81	44.41
2500	1.03	42.42

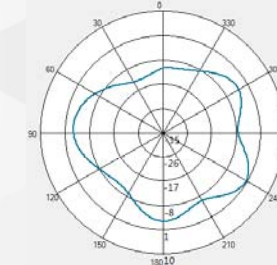
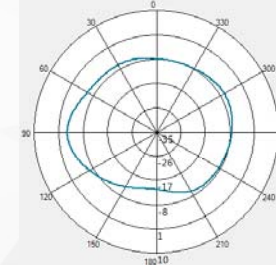
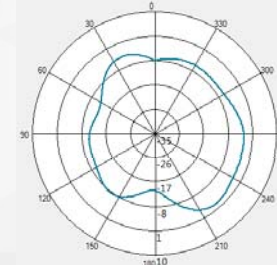
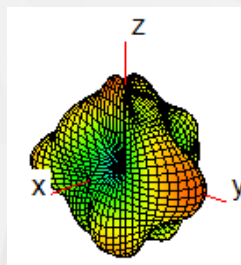
	信道	TRP	信道	TIS
WIFI_B(1M)	2412	16.19	2412	-93.05
WIFI_B(1M)	2437	16.66	2437	-93.99
WIFI_B(1M)	2462	16.59	2462	-93.15
WIFI_B(11M)	2412	16.26	2412	-85.04
WIFI_B(11M)	2437	16.72	2437	-86.29
WIFI_B(11M)	2462	16.57	2462	-85.31
WIFI_G (6M)	2412	15.68	2412	-87.73
WIFI_G (6M)	2437	16.17	2437	-89.25
WIFI_G (6M)	2462	16.04	2462	-88.67
WIFI_G (54M)	2412	14.03	2412	-72.01
WIFI_G (54M)	2437	15.1	2437	-73.27
WIFI_G (54M)	2462	15.17	2462	-72.32
WIFI_N ISM	2412	14.26	2412	-68.34
WIFI_N ISM	2437	15.09	2437	-70.9
WIFI_N ISM	2462	15.12	2462	-67.91

Radiation Pattern

2400MHz



2440MHz



2480MHz

