

Antena Test Report



专业的4G/3G/GPS/WIFI等天线方案设计及供应商

Customer Name: Yeston

Project Name: IPC230

Frequency band: WIFI2.4G/5.8G/BT

Version: A

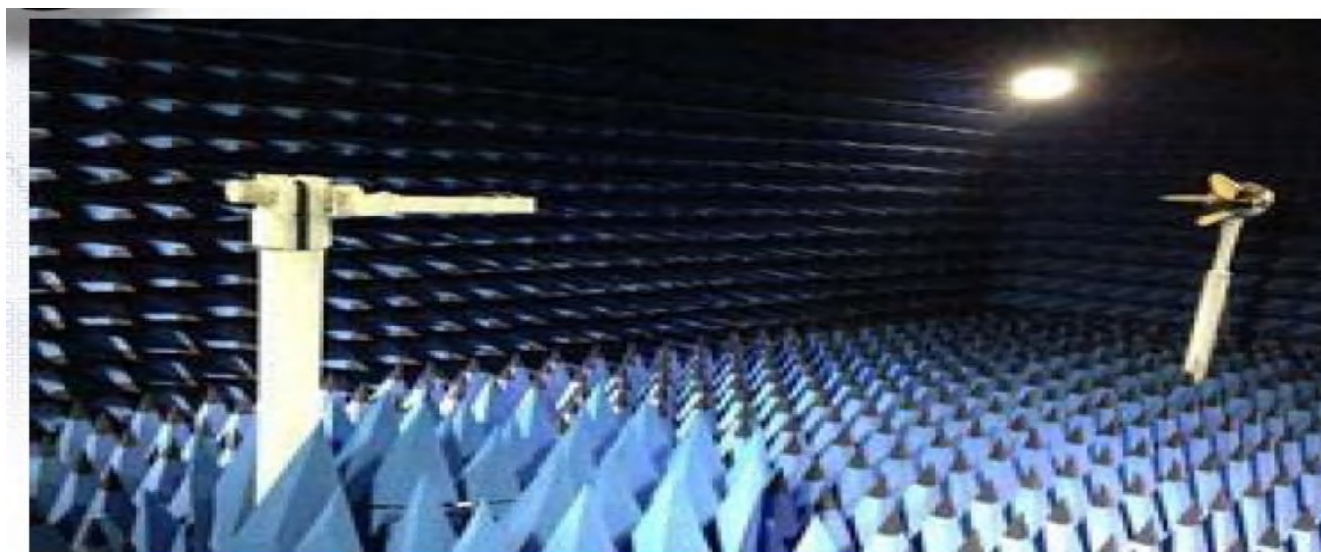
Production Date: 2024-10-19

Shenzhen Shundacheng Technology Co., Ltd.

Room 401A, Xinfu Industrial Park, Chongqing Road, Heping Community,
Fuhai Street, Baoan District, Shenzhen.

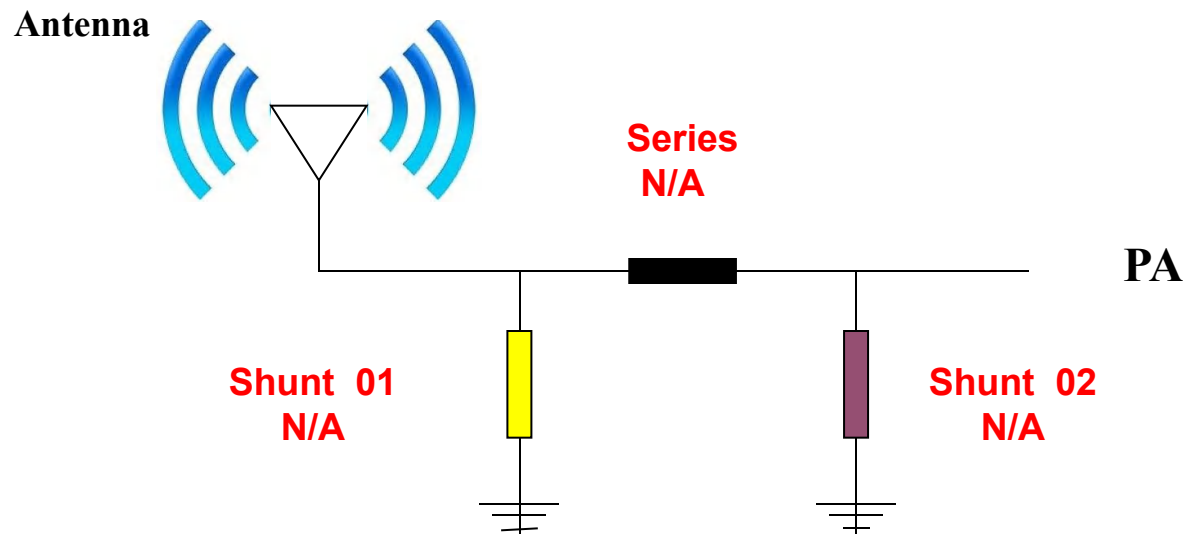
Test system

Sequence Number	Test Item	equipment
S parameter	VSWR	Agilent 5071C & Agilent 5062A
OTA Test	TRP&TIS	Agilent 8960 E5515C& Agilent 4438C&CMW500 &CMW270 ETS&SATIMO
Gain & Efficiency	Gain & Efficiency	ETS&SATIMO Agilent 5071C



主板电路无修改

Antenna Matching Network



Location	Description	Vendor
Shunt 01	N/A	N/A
Series	N/A	N/A
Shunt 02	N/A	N/A

S11 SWR /Smith/ Log Mag



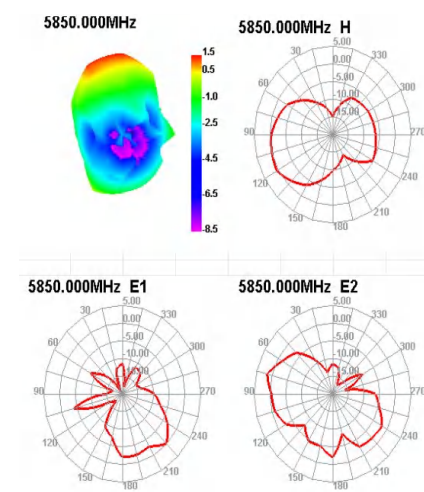
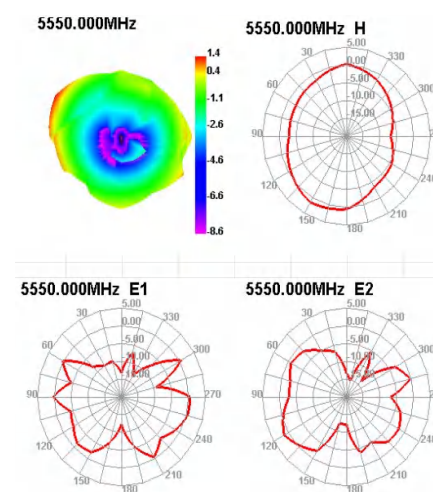
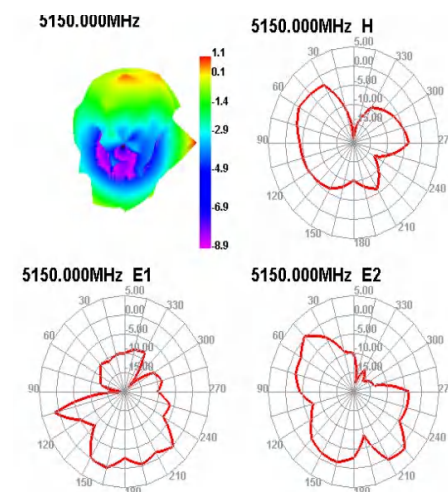
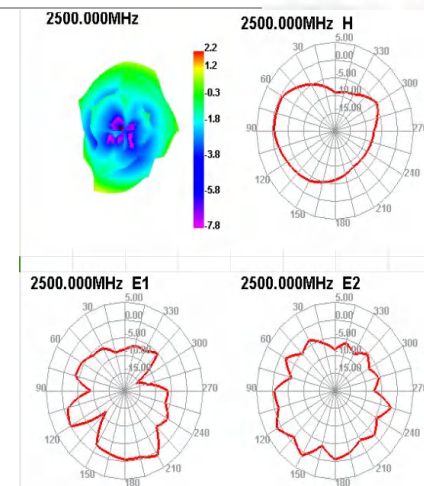
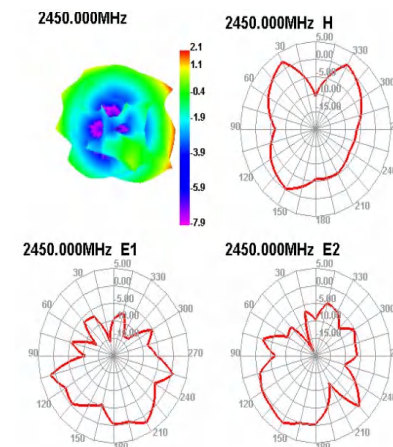
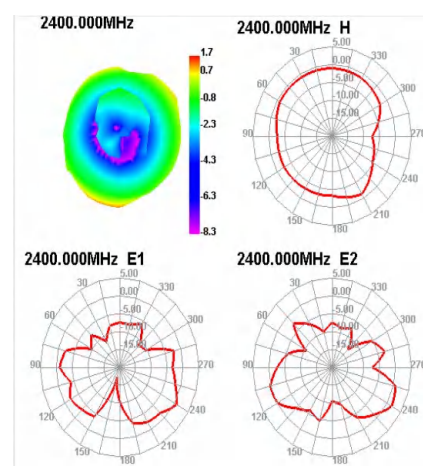
频率 (MHZ)	2400	2450	2500	5150	5300	5500	5700	5850
驻波比	1.53	1.27	1.04	1.29	1.29	1.82	1.71	1.32

频率 (MHZ)	2400	2450	2500	5150	5300	5500	5700	5850
阻抗	32.6 Ω	39.3 Ω	48.2 Ω	64.1 Ω	52.9 Ω	24.1 Ω	31.1 Ω	40.2 Ω

频率 (MHZ)	2400	2450	2500	5150	5300	5500	5700	5850
回损	-13.4	-18.4	-24	-17.6	-17.9	-9.14	-11.5	-17.1

增益&效率

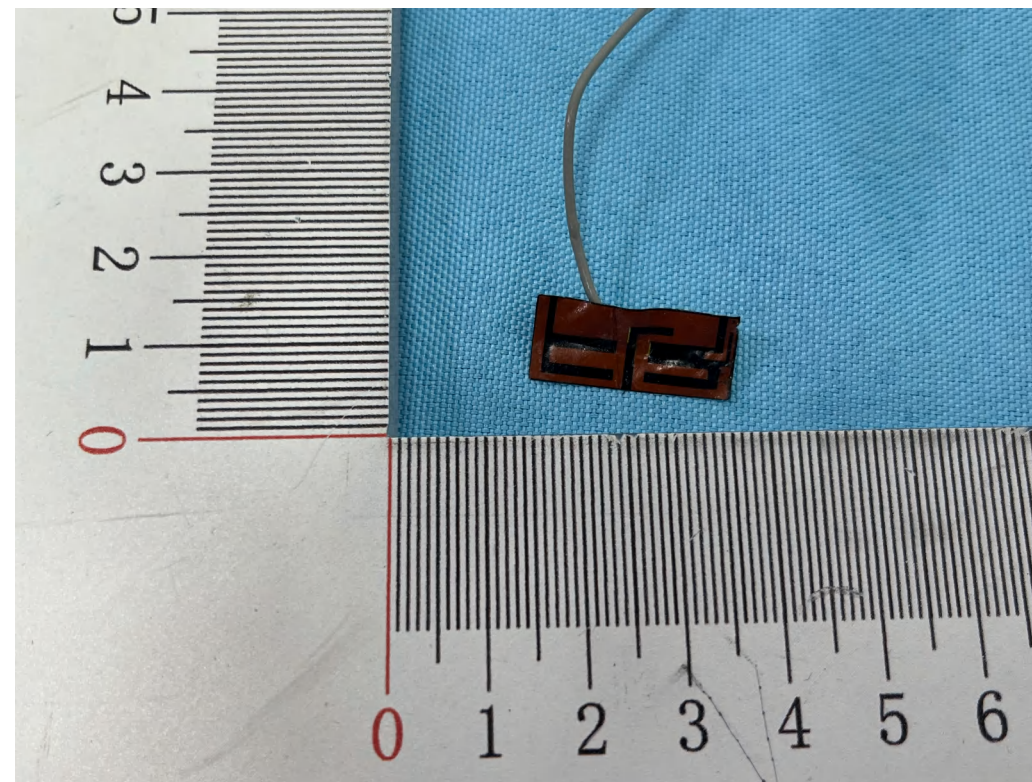
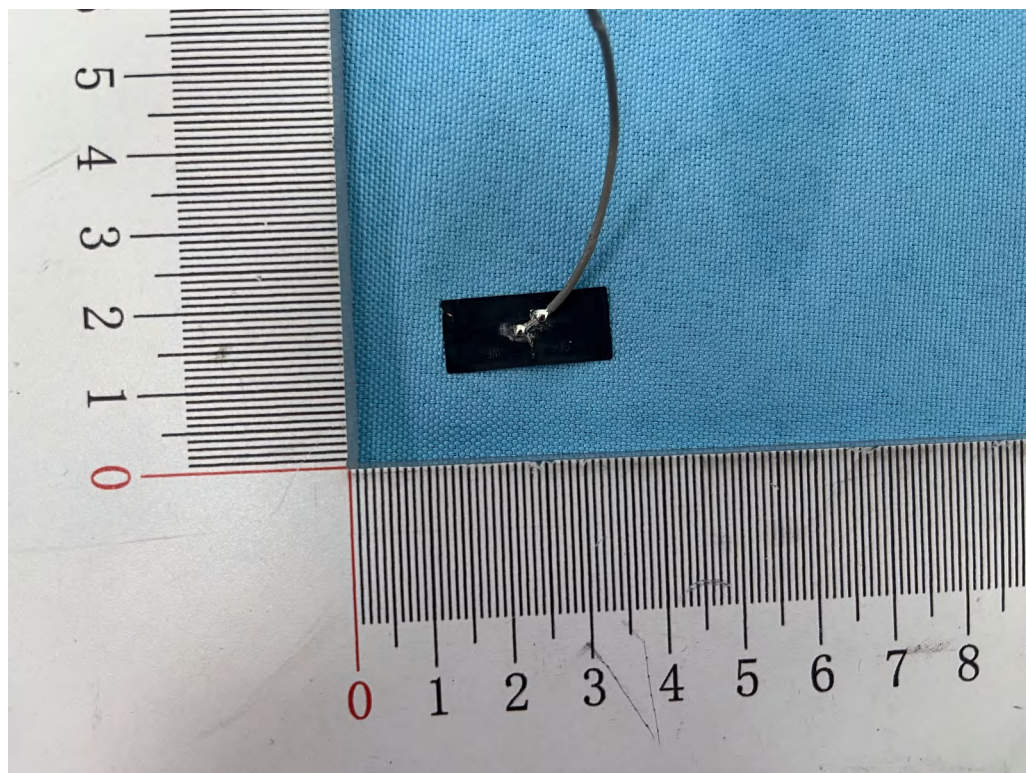
Frequency (MHz)	Efficiency (%)	Peak GAIN (dBi)
2400	44.26	1.73
2450	44.39	2.11
2500	45.12	2.24
5150	43.17	1.13
5550	42.64	1.42
5850	43.56	1.51



WIFI OTA Data

2.4G	802.11b, (2.4G) 11M		
Channel	CH1	CH6	CH11
TRP	13.11	13.30	13.06
TIS	-76.83	-76.60	-76.28

5G	802.11a, 54M		
Channel	CH36	CH60	CH161
TRP	11.67	10.58	10.35
TIS	-68.63	-68.51	-68.12



Thanks