



PengBanXingYeShenZhen Technology Co. , Ltd

www.szpbxy.com

Address: Room 608,Building 4,1970 Science
and Technology Town,Minzhi Street,Longhua
District,Shenzhen.

Customer: Shenzhen Hailingwei
Electronics Co., Ltd

Model Name: **OWS-610**

Date: 2025-05-12



Antenna test report

CONTENTS

目录

Debugging report

Test equipment

Prototype appearance

Antenna matching parameters

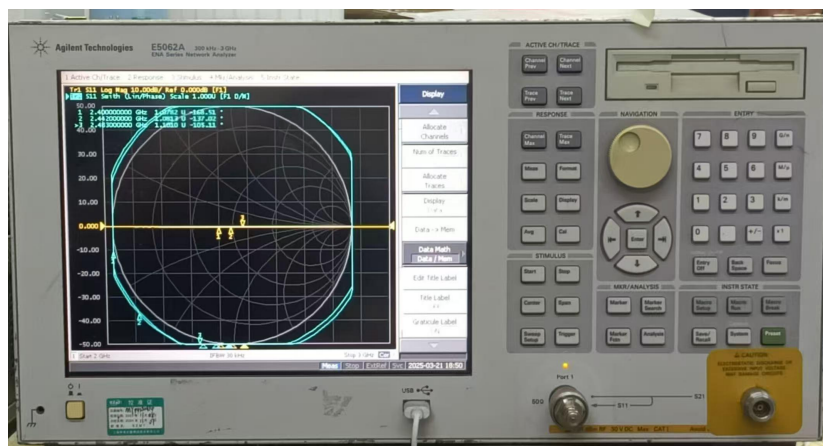
Whole machine active source data

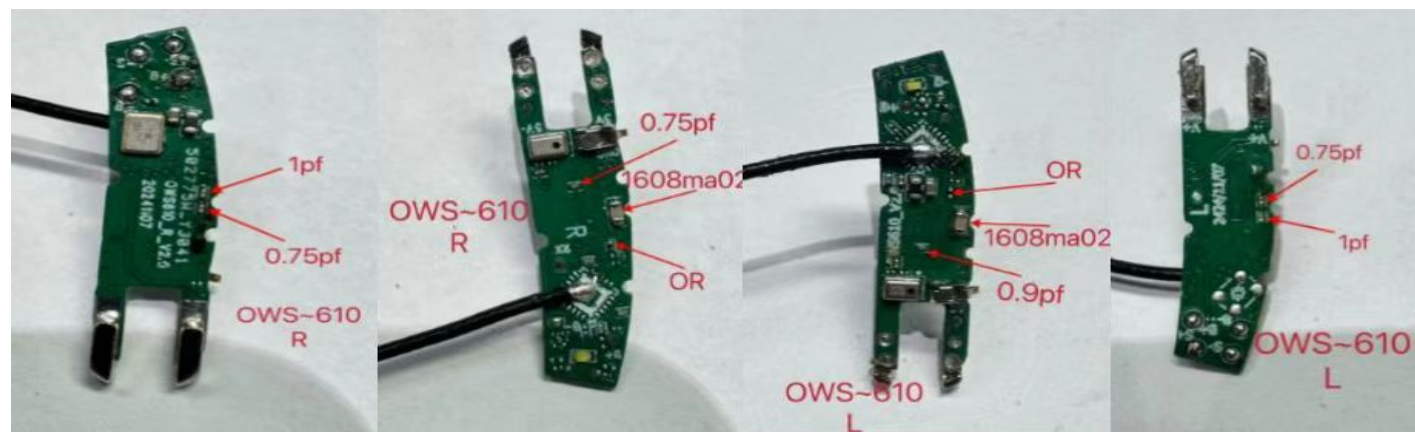
Waveform diagram of the network

Real - time measurement of signal spacing

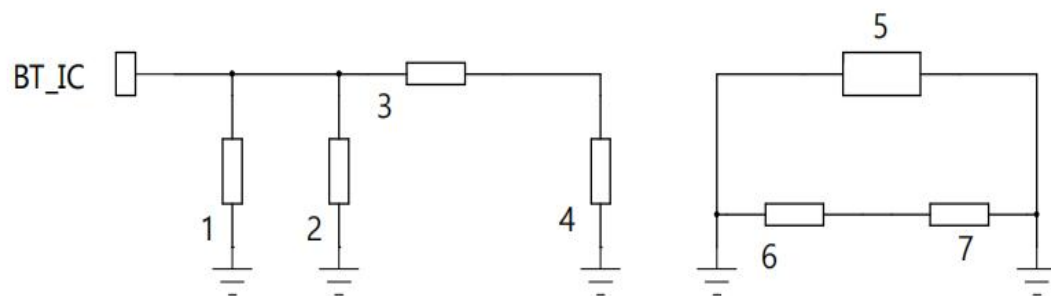
Test equipment/conditions

- 1, S-parameter test
- 2, equipment: network analyzer dark room
- 3, Project: impedance , Return Loss , Efficiency rate gain, radiation field shape , sensitivity power

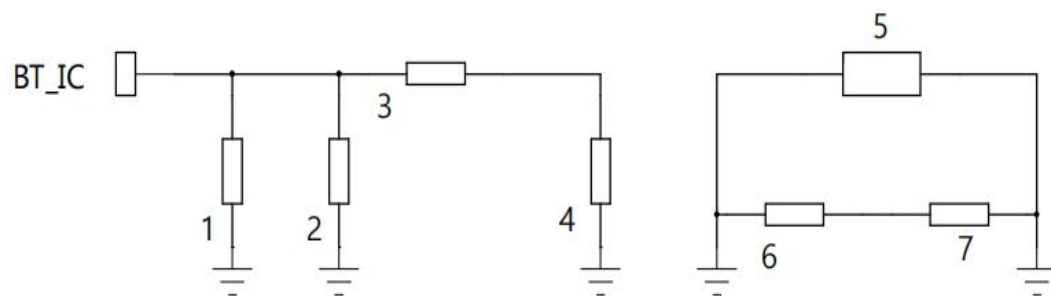




Antenna matching parameters (L)



Antenna matching parameters (R)



Network analysis diagram



L



R

Active data

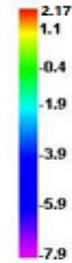
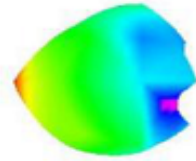
L	Chan	TRP (dbm)	TIS (%)
	0	9.18	-88.95
	39	8.66	-87.98
	78	7.49	-86.03
R	Chan	TRP (dbm)	TIS (%)
	0	11.21	-87.89
	39	10.29	-87.7
	78	9.38	-86.23

Passive data

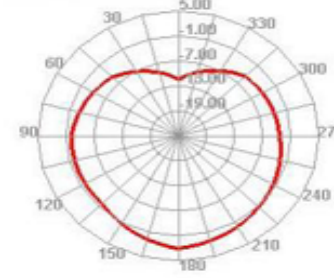
	Frequency range	Percen	Gain
L	High	35. 16%	1. 36
	Centre	44. 75%	1. 68
	LOW	57. 31%	2. 17
R	High	37. 19%	1. 63
	Centre	45. 73%	1. 75
	LOW	59. 31%	2. 04

Field shape-L

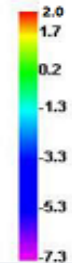
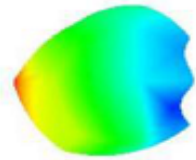
2400.000MHz



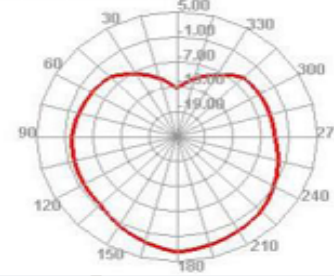
2400.000MHz H



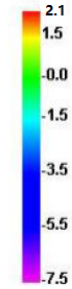
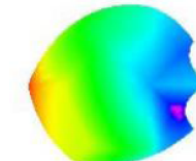
2450.000MHz



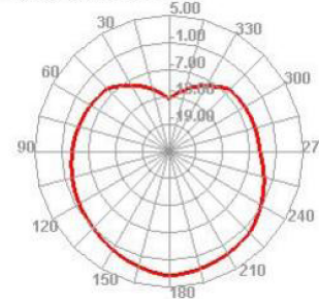
2450.000MHz H



2500.000MHz

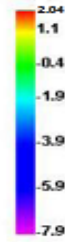
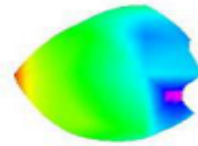


2500.000MHz H

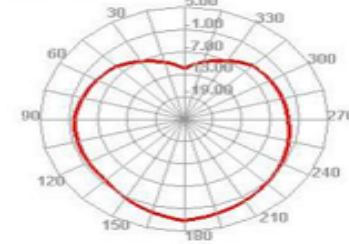


Field shape-R

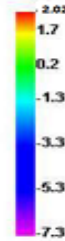
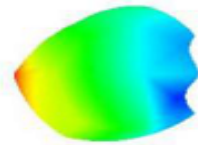
2400.000MHz



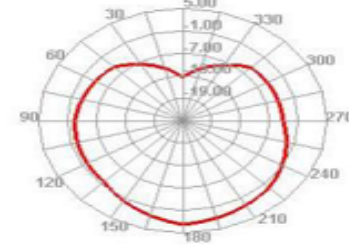
2400.000MHz H



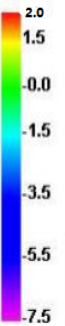
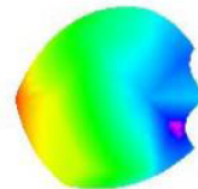
2450.000MHz



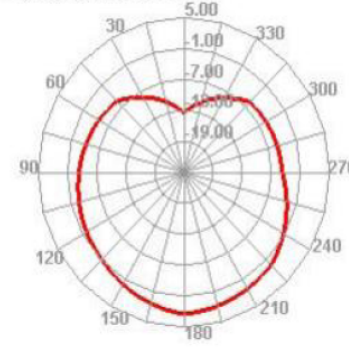
2450.000MHz H



2500.000MHz



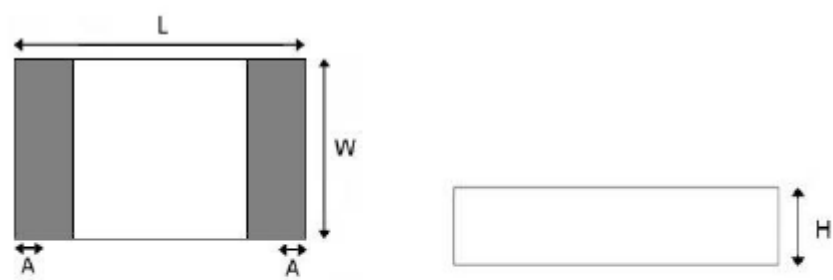
2500.000MHz H



measured distance

Hobile phone	Test distance	Judgement	360-degree rotation test	Judgement	Renarks
Apple 6	/	/	15m	ok	Rooftop

SHAPE AND DIMENSIONS:



L	W	H	A
1.6±0.2	0.8±0.2	0.8±0.2	0.3±0.1

External Dimensions (L×W) (mm): 1.6*0.8



—— 感谢您的观看 ——

R H A N K S F O R W A T C H I N G