



ONE PLUS ONE
Wireless Communication

Shenzhen OnePlusOne Wireless Communication Technology Co.,Ltd.

7/F, Building B1, Hangcheng Jinchi Industrial Park, Hangcheng Sub-district, Bao'an District, Shenzhen, Guangdong, P.R.China

APPROVAL SHEET

Customer Name	掌阅
Project Name	SM08B
Customer P/N	
Specification	WIFI-2.4/5.8GHZ Antennas
Production Date	20260604

Approval				
OnePlusOne:				
	RF Check	ME Check	QC Check	Confirm By
Signature				
Date				
Customer:				
	EE Check	PM Check	QC Check	Confirm By
Signature				
Date				

Please return to us one copy of “APPROVAL SHEET” with your approved signatures

Contents

SHENZHEN ONEPLUSONE WIRELESS COMMUNICATION TECHNOLOGY CO.,LTD.	1-1
1 ANTENNA DESCRIPTION	1-3
1.1 Part number	1-3
1.2 Antenna pictures	1-3
2 TESTING EQUIPMENT	2-3
3 TEST DATA	3-4
3.1 Passive	3-4
4 MATCHING CIRCUIT DESCRIPTION	4-8
5 ENVIRONMENTAL TREATMENT.....	5-8
6 DRAWING	6-9
6.1 Dimensional drawin	6-9

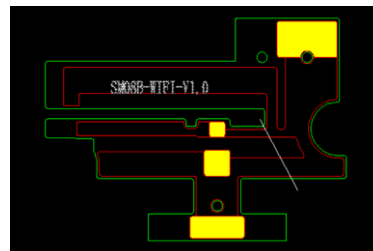
1 Antenna description

ANT	SM08B
FRE (MHZ)	2400-2500/5000-5800
TPYE	IFA
Antenna material	FPC+Cable

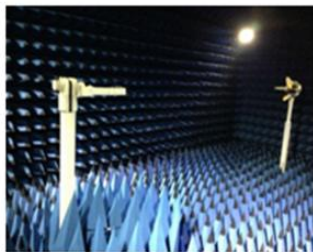
1.1 Part number

ANT	SM08B
SIZE (MM)	22.6*17.15
Printing	SM08B-WIFI-V1.0
Cable (MM)	IPEX-4 L=108

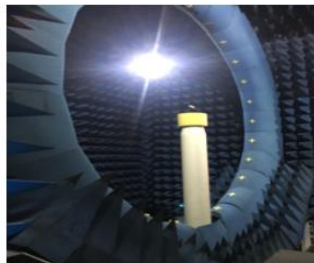
1.2 Antenna pictures



2 Testing equipment



ETS 暗室



SATIMO 暗室



人头手模



8820C 综测仪



E5071B 网络分析仪

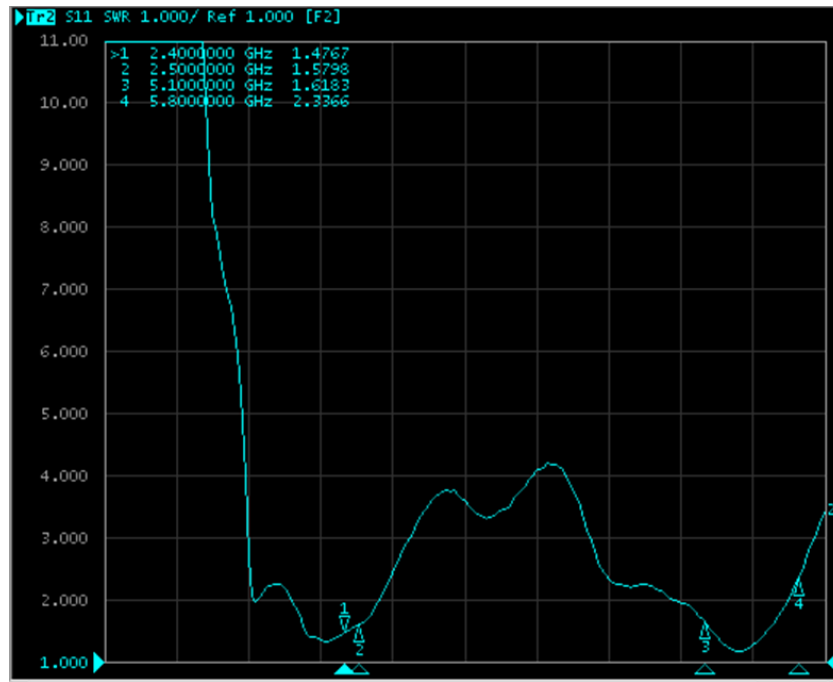


CMW 500 综测仪

测试系统	测试环境	有源测试	无源测试
SATIMO ETS	温度:22°C±2°C 湿度:50%±15%	2G/3G/4G/WIFI/BT	600MHZ-6GHZ

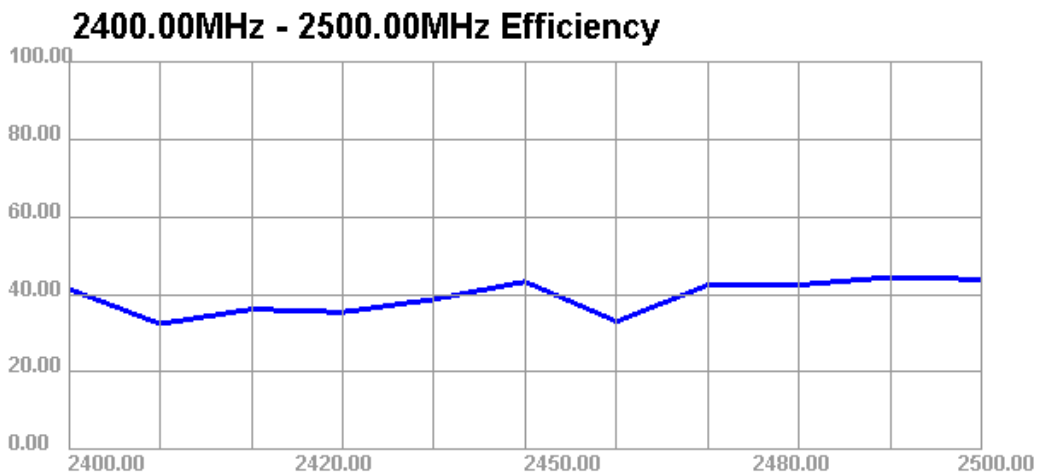
3 Test data

3.1 Passive

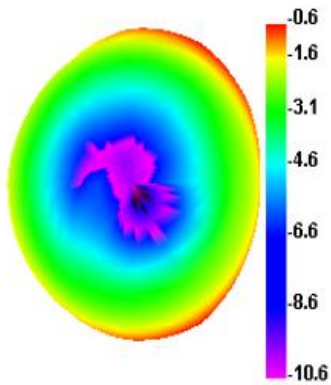


VSWR

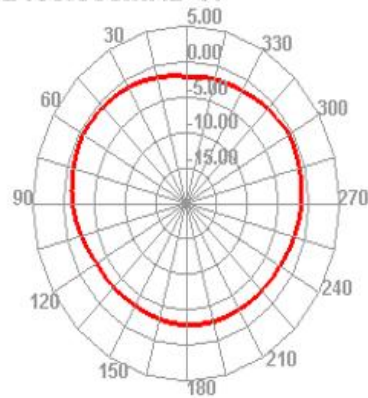
Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)	Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)
2400	31.43	-5.03	1.17	5000	16.9	-7.72	1.34
2410	22.43	-6.49	1.14	5100	30.02	-5.23	1.41
2420	26.2	-5.82	0.98	5200	30.64	-5.14	1.35
2430	25.45	-5.94	0.99	5300	27.47	-5.61	1.19
2440	28.77	-5.41	1.05	5400	28.07	-5.52	1.5
2450	33.29	-4.78	0.94	5500	27.45	-5.61	1.37
2460	23.07	-6.37	1.23	5600	33.2	-4.79	0.91
2470	32.4	-4.89	0.83	5700	32.61	-4.87	1.51
2480	32.48	-4.88	1.61	5800	32.68	-4.86	0.94
2490	34.47	-4.63	1.47	5900	26.79	-5.72	1.24
2500	33.89	-4.70	1.68	6000	23.2	-6.34	1.12



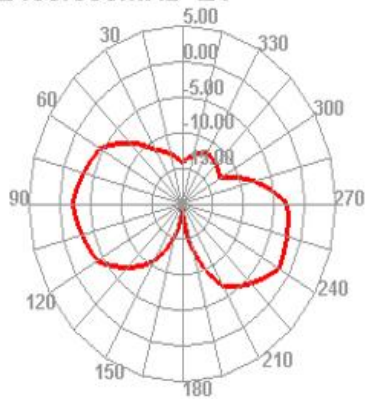
2400.000MHz



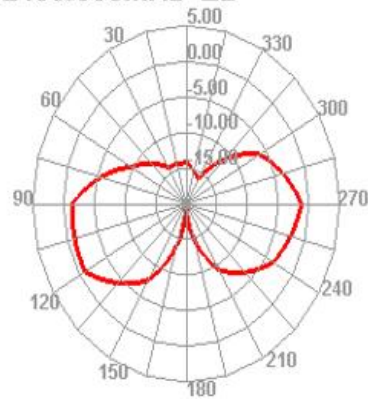
2400.000MHz H



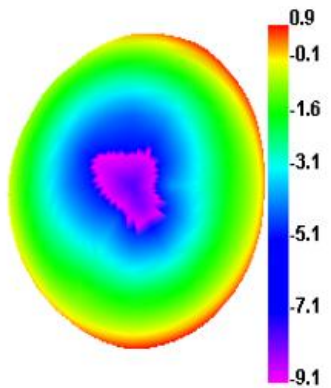
2400.000MHz E1



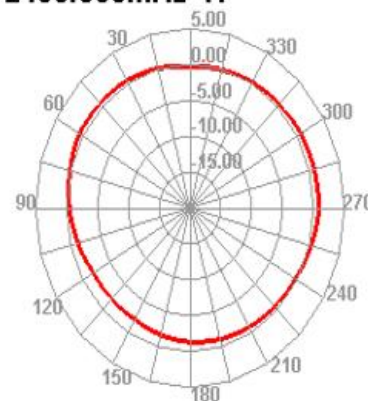
2400.000MHz E2



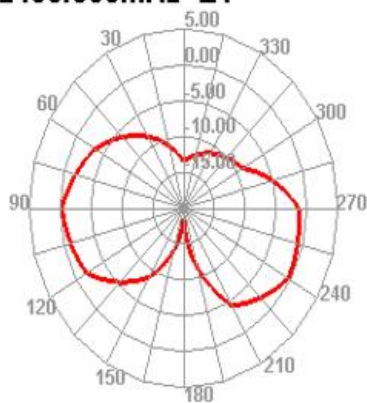
2450.000MHz



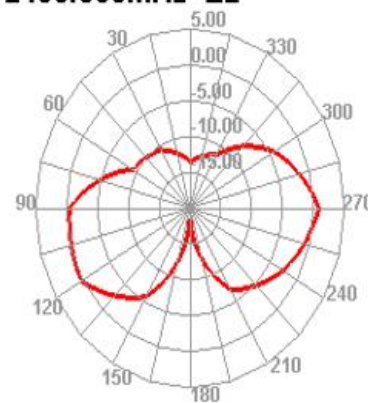
2450.000MHz H



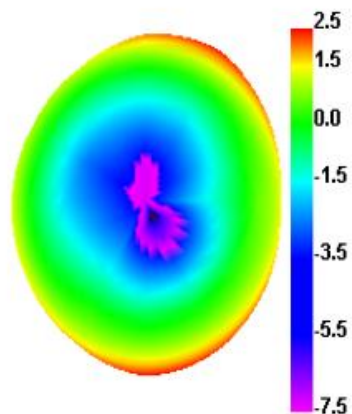
2450.000MHz E1



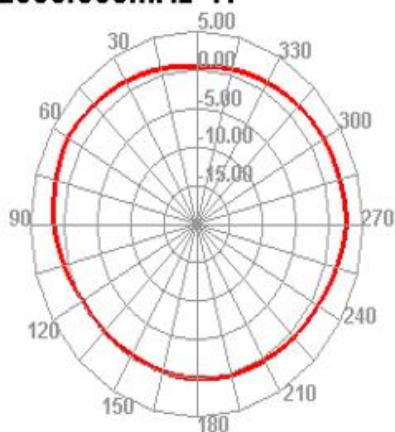
2450.000MHz E2



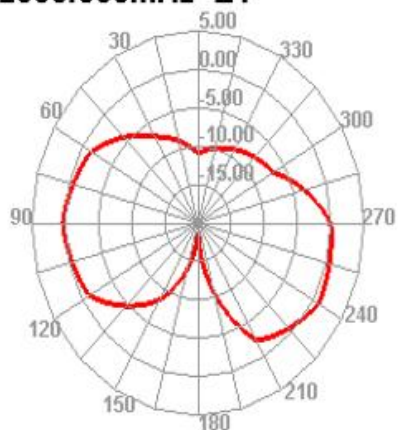
2500.000MHz



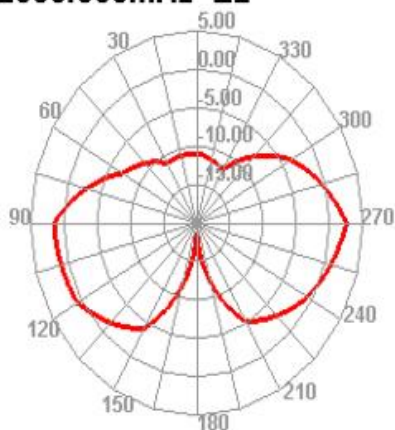
2500.000MHz H



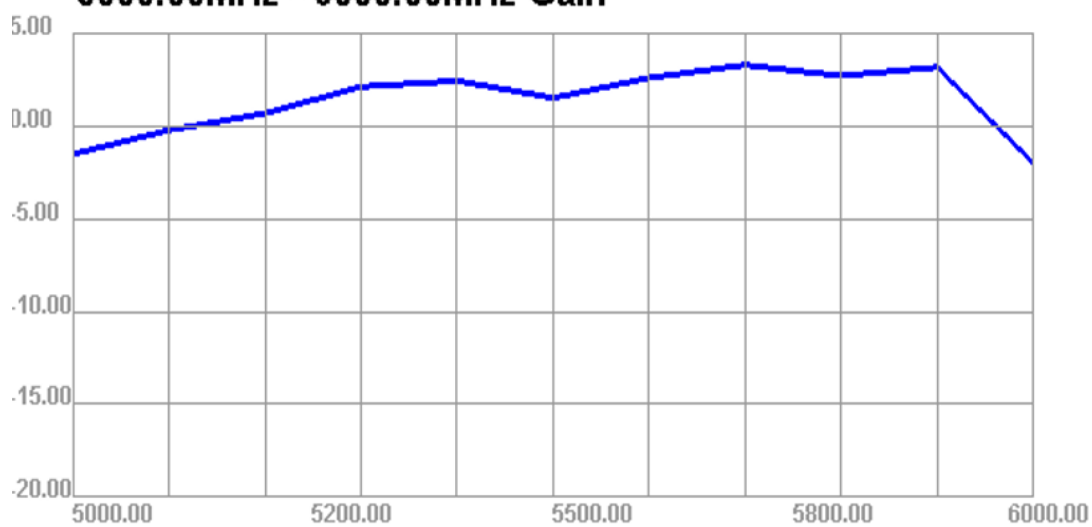
2500.000MHz E1



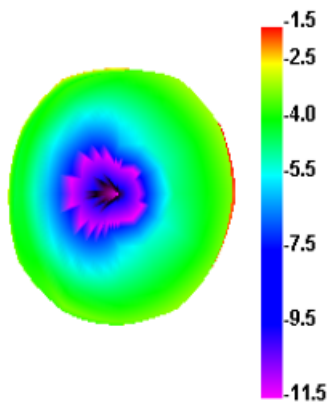
2500.000MHz E2



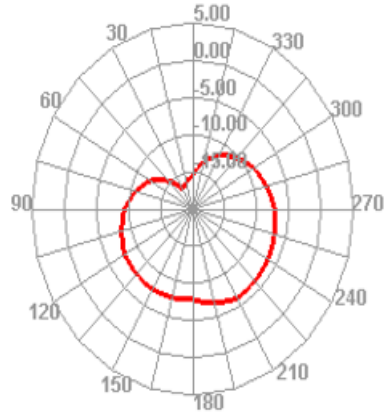
5000.00MHz - 6000.00MHz Gain



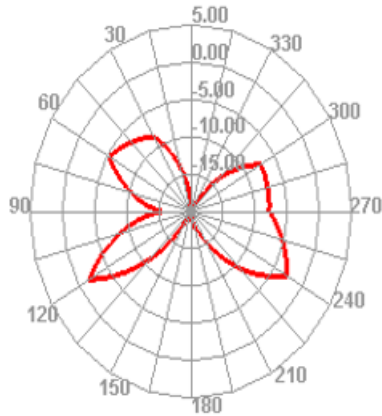
5000.000MHz



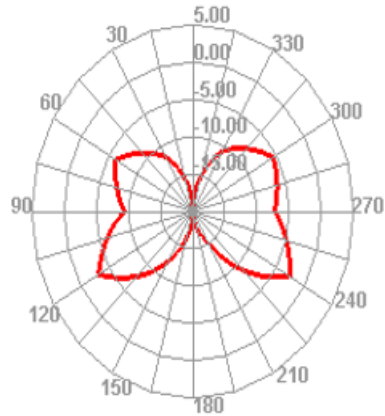
5000.000MHz H



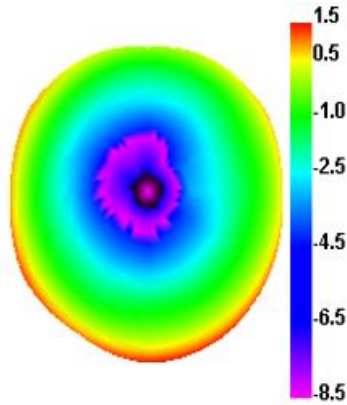
5000.000MHz E1



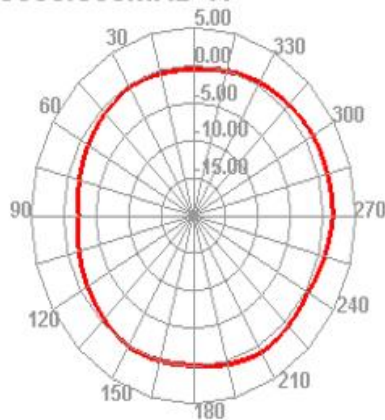
5000.000MHz E2



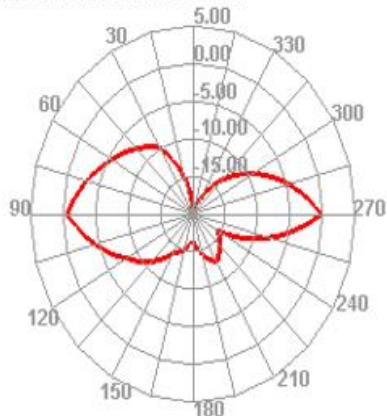
5500.000MHz



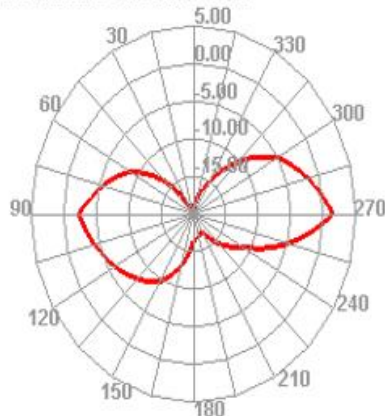
5500.000MHz H



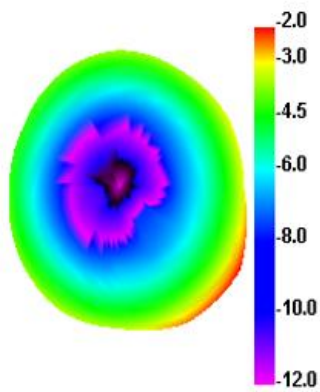
5500.000MHz E1



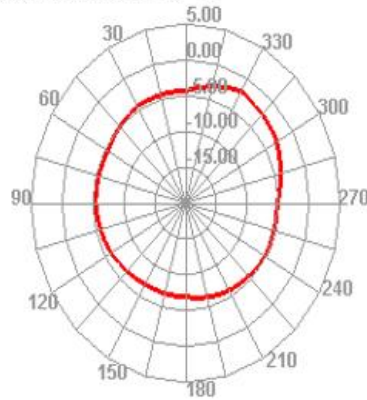
5500.000MHz E2



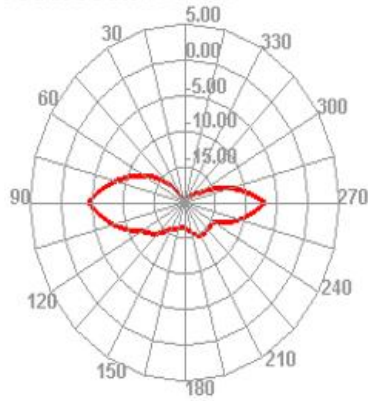
6000.000MHz



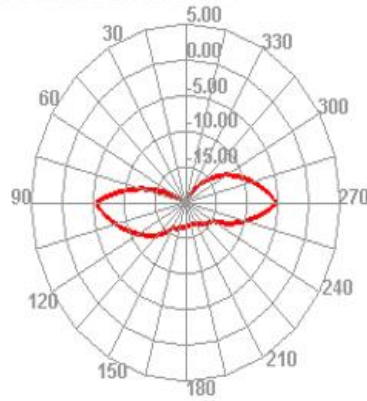
6000.000MHz H



6000.000MHz E1



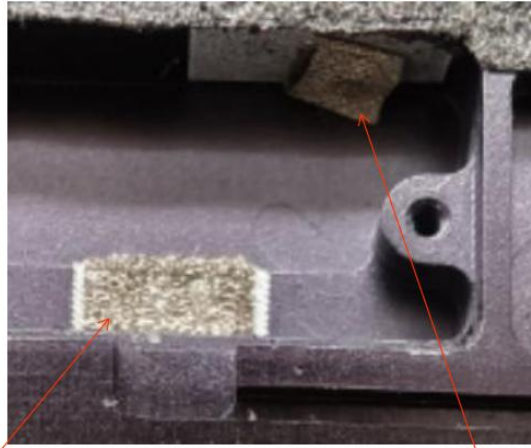
6000.000MHz E2



4 Matching Circuit Description

No changes made

5 Environmental Treatment



正面贴导电海绵与天线接地

侧面贴贴导泡棉或者厚一些的导电海绵，这样接地比较充分

6 Drawing

6.1 Dimensional drawin

