



ONE PLUS ONE
Wireless Communication

Shenzhen OnePlusOne Wireless Communication Technology Co.,Ltd.
7/F, B1 Bldg, Hangcheng Jinchi Industrial Park, Hangcheng St, Bao'an,
Shenzhen, Guangdong, China

APPROVAL SHEET

Customer Name	掌阅
Project Name	SM10F
Customer P/N	
Specification	WIFI-2.4/5.8GHZ Antennas
Production Date	20260128

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

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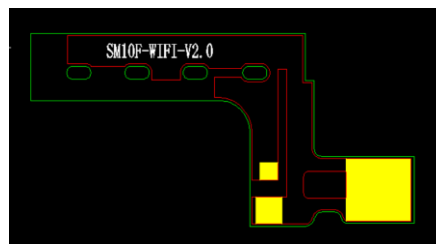
1 Antenna description

ANT	SM10F
FRE (MHZ)	2400-2500/5000-5800
TPYE	IFA
Antenna material	FPC+Cable

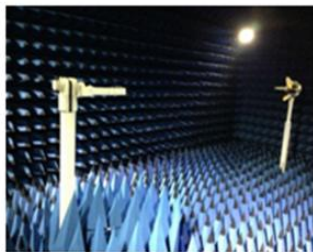
1.1 Part number

ANT	SM10F
SIZE (MM)	27*13.3
Printing	SM10F-WIFI-V2.0
Cable (MM)	4代 IPEX0.81 同轴线 L=74

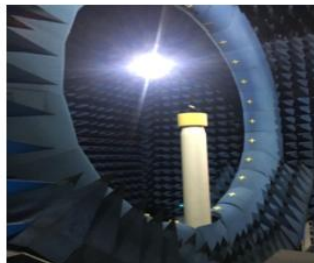
1.2 Antenna pictures



2 Testing equipment



ETS 暗室



SATIMO 暗室



人头手模



8820C 综测仪



E5071B 网络分析仪

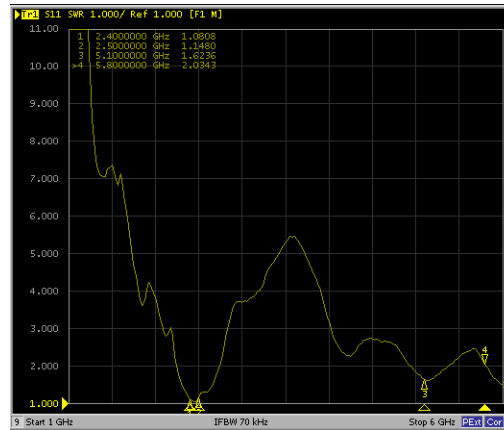


CMW 500 综测仪

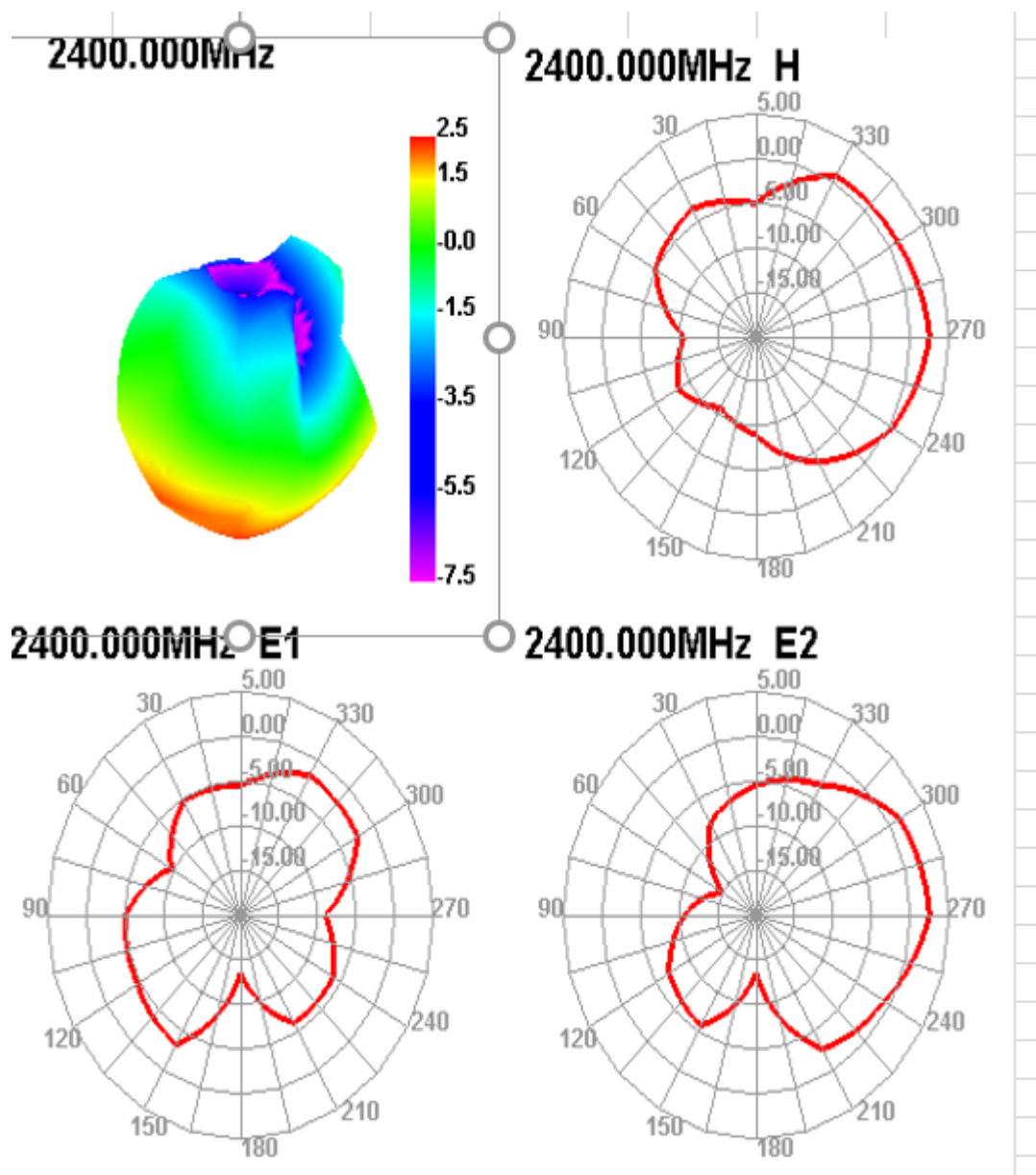
测试系统	测试环境	有源测试	无源测试
SATIMO ETS	温度:22°C±2°C 湿度:50%±15%	2G/3G/4G/WIFI/BT	600MHZ-6GHZ

3 Test data

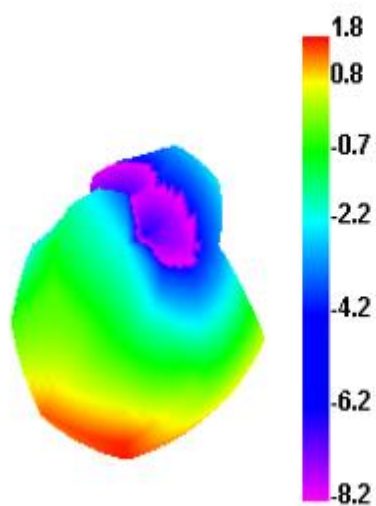
3.1 Passive



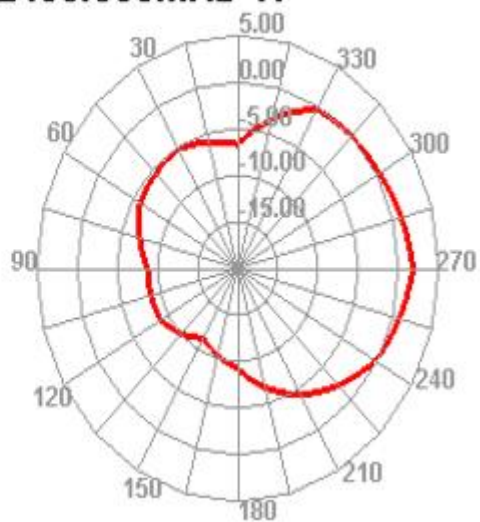
Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)
2400	40.86	-3.89	1.47
2410	40.35	-3.94	1.44
2420	34.58	-4.61	0.88
2430	38.09	-4.19	1.29
2440	32.76	-4.85	0.85
2450	31.6	-5.00	0.83
2460	37.27	-4.29	1.53
2470	32.47	-4.89	1.13
2480	40.1	-3.97	1.91
2490	32.68	-4.86	1.19
2500	41.12	-3.86	1.98



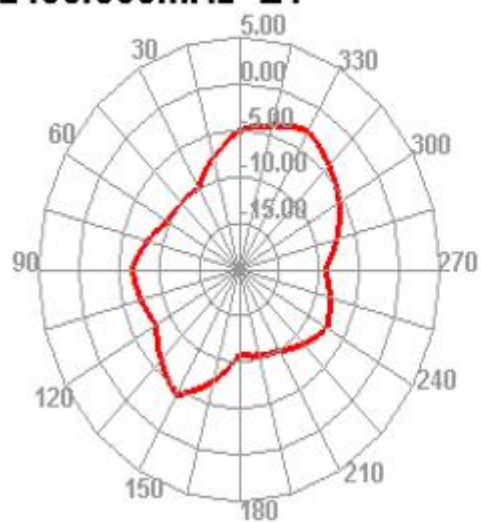
2450.000MHz



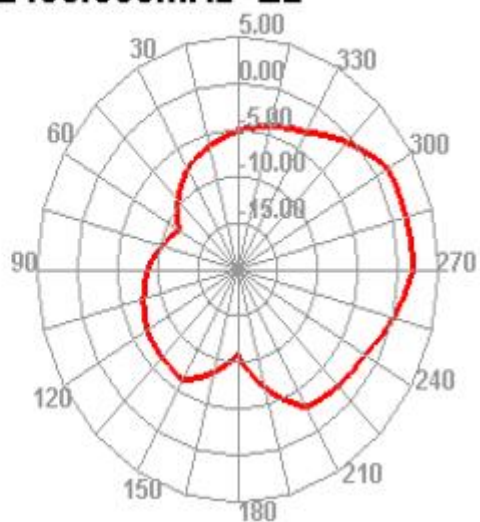
2450.000MHz H



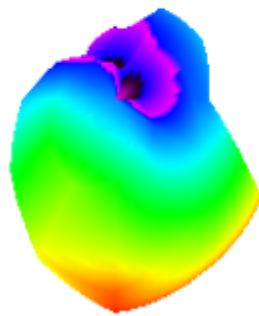
2450.000MHz E1



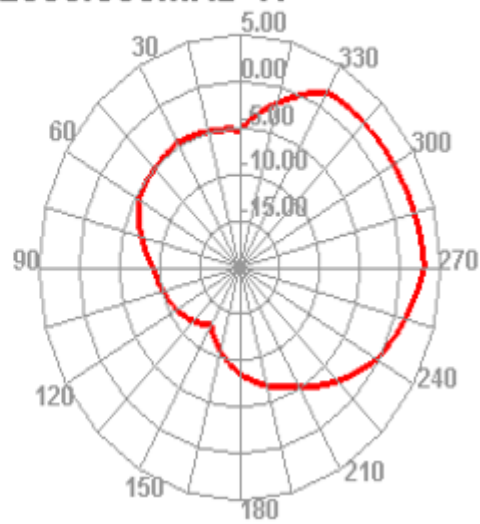
2450.000MHz E2



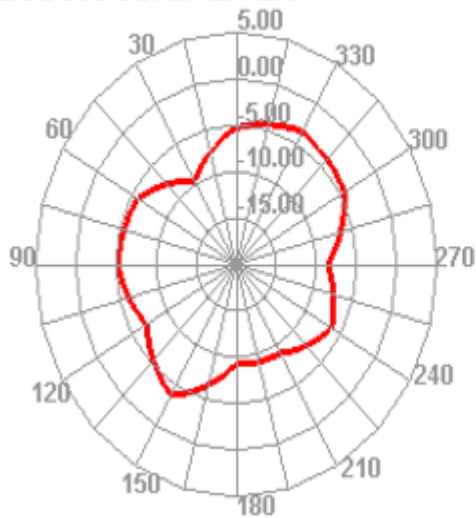
2500.000MHz



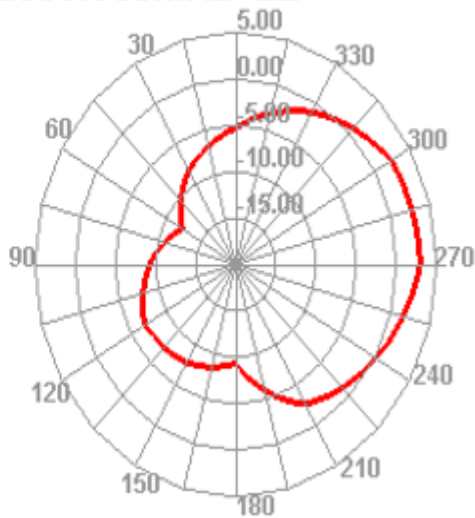
2500.000MHz H



2500.000MHz E1

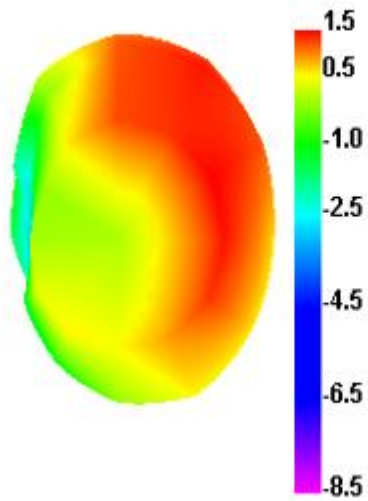


2500.000MHz E2

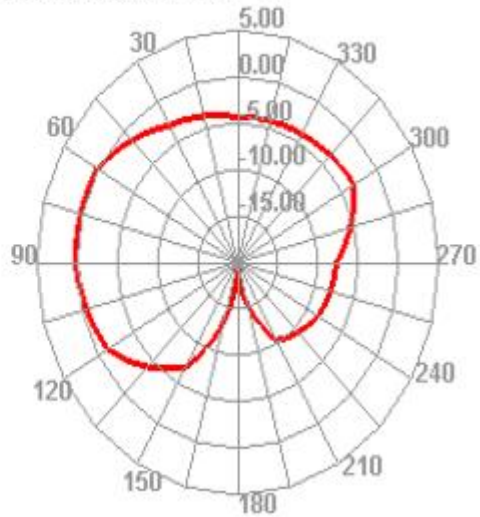


Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)
5000	38.69	-4.12401	1.54
5100	39.25	-4.0616	1.61
5200	37.36	-4.27593	1.55
5300	37.65	-4.24235	0.39
5400	35.85	-4.45511	1.7
5500	34.32	-4.64453	0.97
5600	35.69	-4.47453	0.11
5700	33.96	-4.69032	-0.71
5800	32.56	-4.87316	-1.14
5900	30.25	-5.19275	-1.44

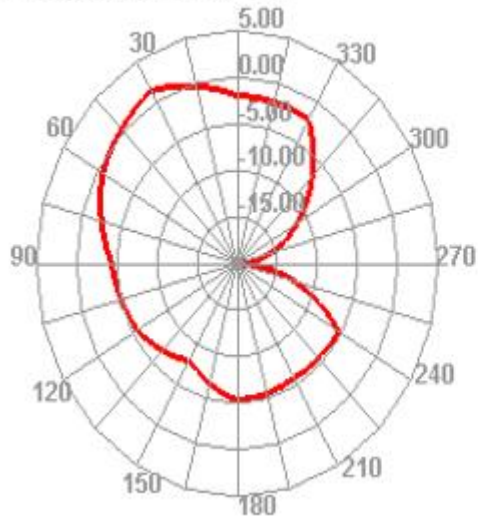
5000.000MHz



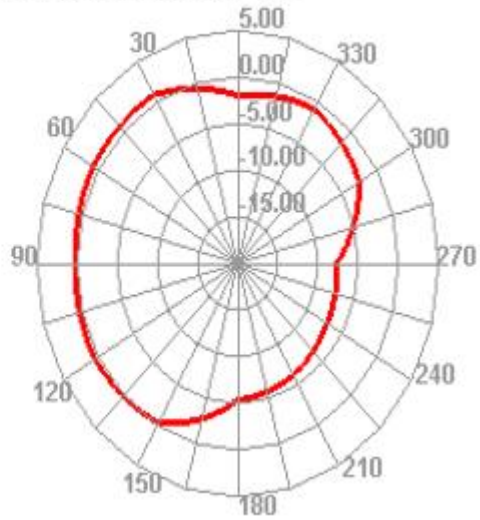
5000.000MHz H



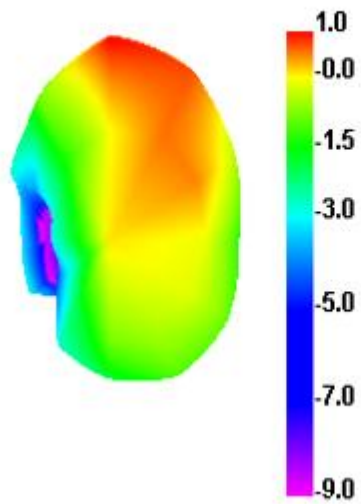
5000.000MHz E1



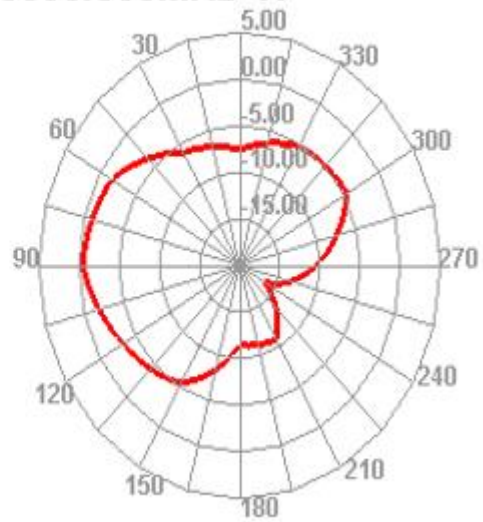
5000.000MHz E2



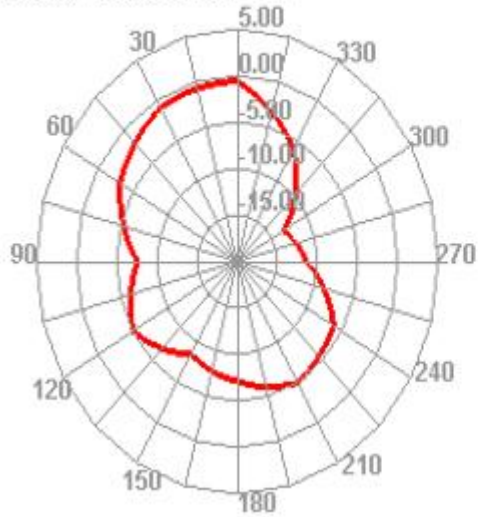
5500.000MHz



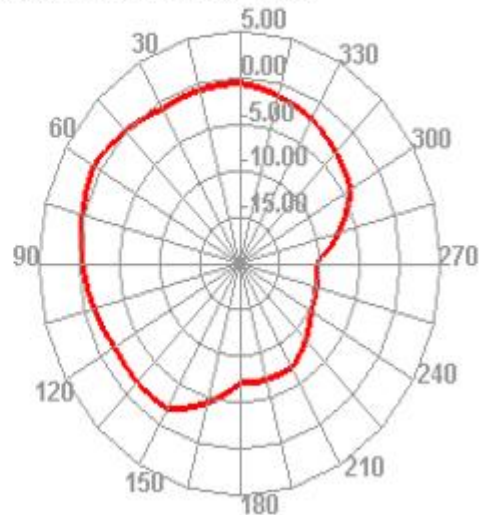
5500.000MHz H



5500.000MHz E1



5500.000MHz E2



4 Matching Circuit Description

No changes made

5 Drawing

1.1 Dimensional drawin

