



ONE PLUS ONE
Wireless Communication

Shenzhen OnePlusOne Wireless Communication Technology Co.,Ltd.
Room 106, Building A1.Hangcheng Innovation Pioneer Park. Xixiang Street. Bao 'an District. Shenzhen

APPROVAL SHEET

Customer Name	Palm Reading
Project Name	RM06H
Customer P/N	
Specification	WIFI-2.4/5.8GHZ Antennas
Production Date	20250319

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.....	5-9
6 DRAWING	6-10
6.1 Dimensional drawin	6-10

1 Antenna description

ANT	RM06H
FRE (MHZ)	2400-2500/5000-5800
TPYE	IFA
Antenna material	FPC+Cable

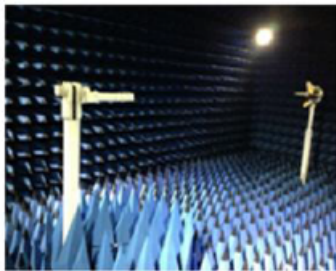
1.1 Part number

ANT	RM06H
SIZE (MM)	34.62*11.34
Printing	RM06H-WIFI-V2.0
Cable (MM)	4th Generation IPEX L=108

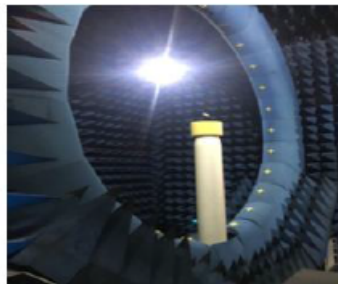
1.2 Antenna pictures



2 Testing equipment



ETS Darkroom



SATIMO Darkroom



Human head and hand model



8820C Comprehensive tester



E5071B Network analyzer

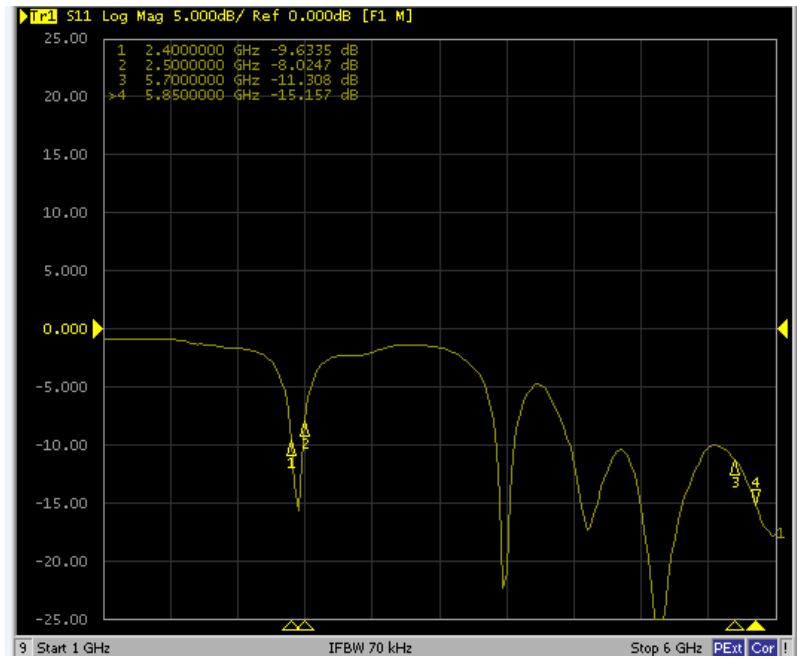


CMW 500 Comprehensive tester

Test system	Test environment	Active test	Passive test
SATIMO ETS	Temperature : $22^{\circ}\text{C} \pm 2^{\circ}\text{C}$ Humidity : $50\% \pm 15\%$	2G/3G/4G/WIFI/BT	600MHZ-6GHZ

3 Test data

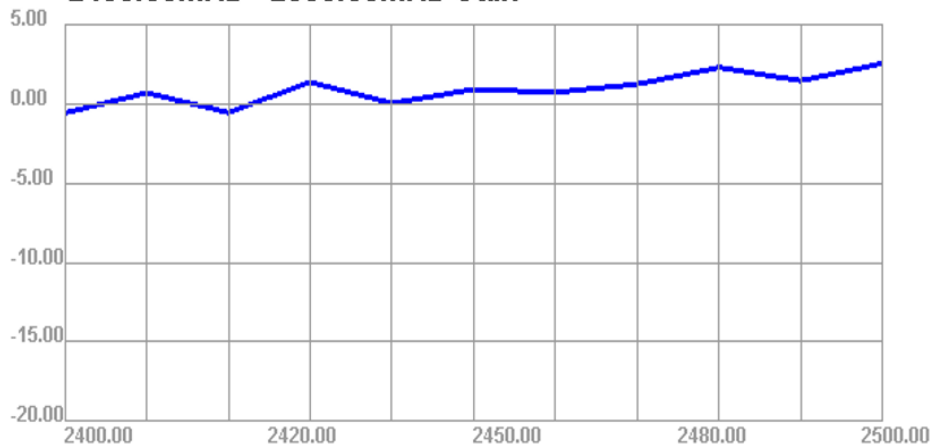
3.1 Passive



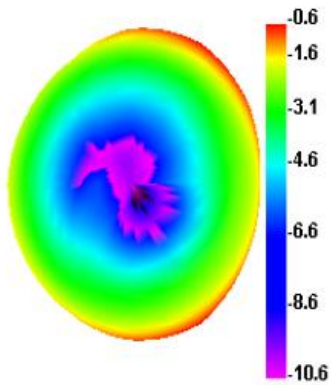
VSWR

Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)	Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)
2400	32.56	-4.87	-0.58	5000	30.47	-5.16	-1.52
2410	34.87	-4.58	0.68	5100	38.76	-4.12	-0.23
2420	35.5	-4.50	-0.55	5200	37.21	-4.29	0.68
2430	33.74	-4.72	1.36	5300	40.02	-3.98	2.11
2440	36.74	-4.35	0.03	5400	38.36	-4.16	2.43
2450	37.15	-4.30	0.91	5500	34.99	-4.56	1.51
2460	35.52	-4.50	0.72	5600	37.21	-4.29	2.59
2470	32.89	-4.83	1.23	5700	35.84	-4.46	3.28
2480	36.87	-4.33	2.28	5800	34.15	-4.67	2.7
2490	38.14	-4.19	1.45	5900	35.02	-4.56	3.16
2500	39.02	-4.09	2.54	6000	25.11	-6	-1.99

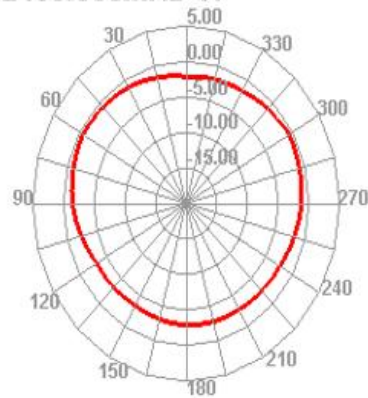
2400.00MHz - 2500.00MHz Gain



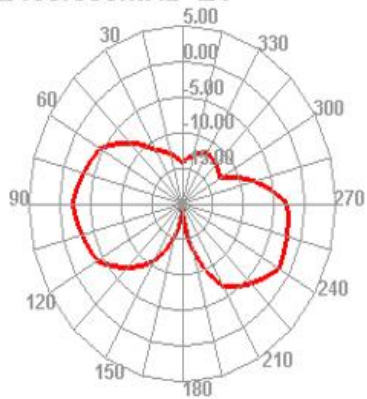
2400.000MHz



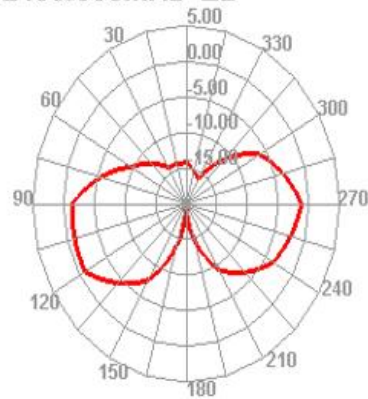
2400.000MHz H



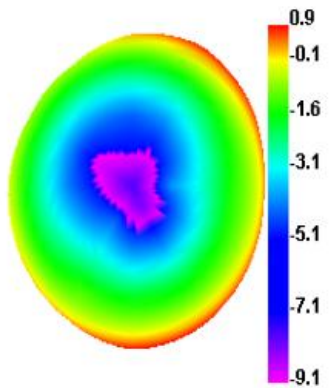
2400.000MHz E1



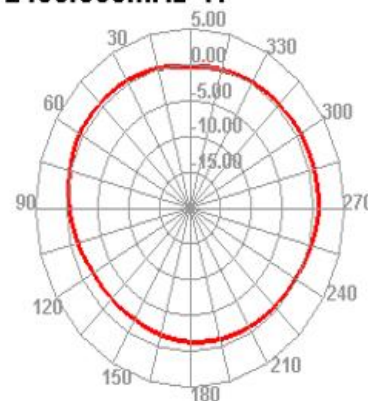
2400.000MHz E2



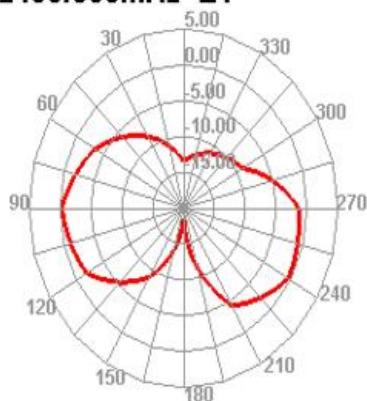
2450.000MHz



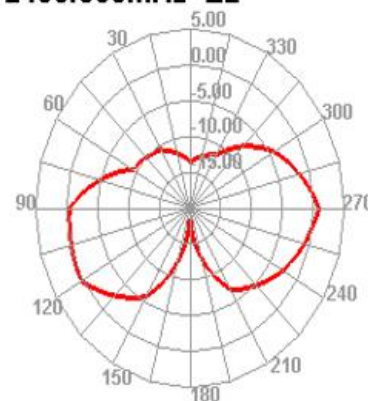
2450.000MHz H



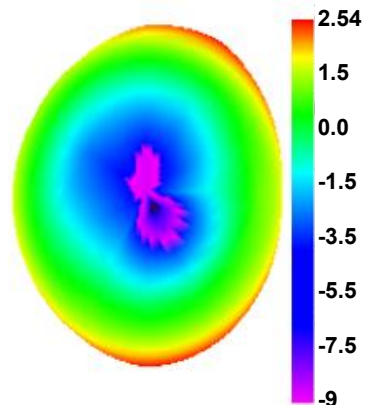
2450.000MHz E1



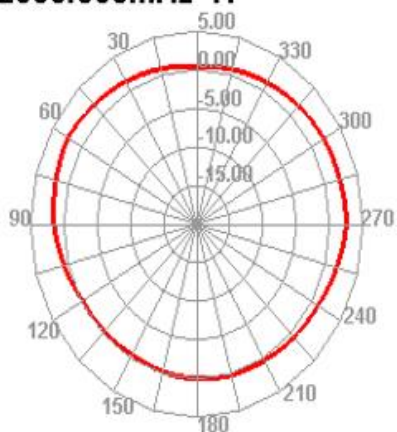
2450.000MHz E2



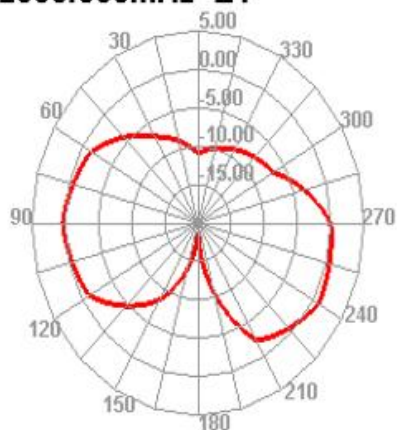
2500.000MHz



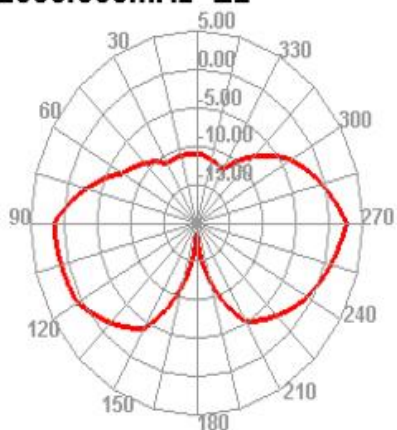
2500.000MHz H



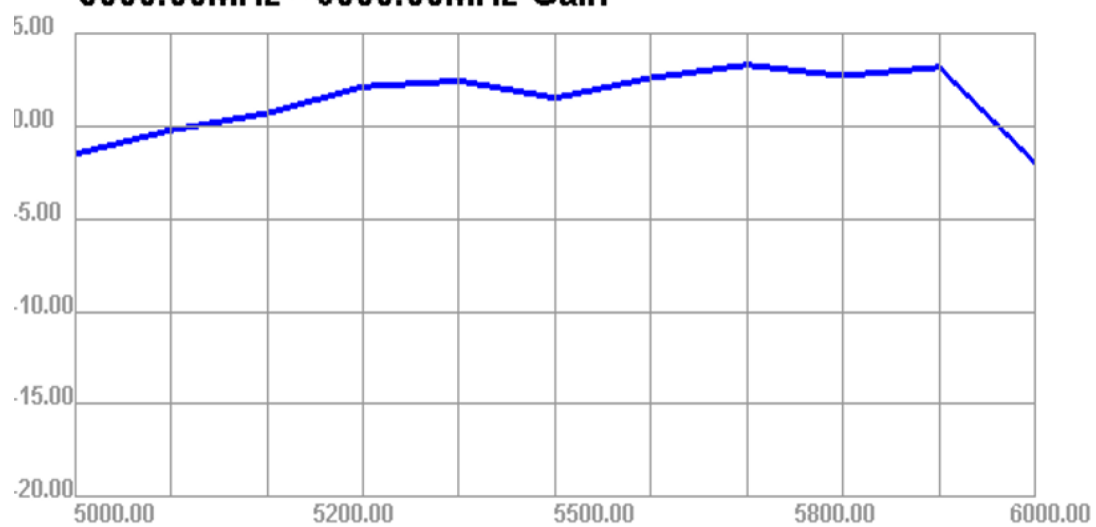
2500.000MHz E1



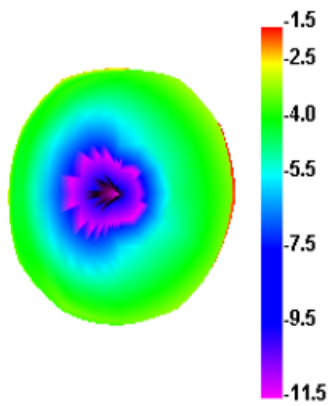
2500.000MHz E2



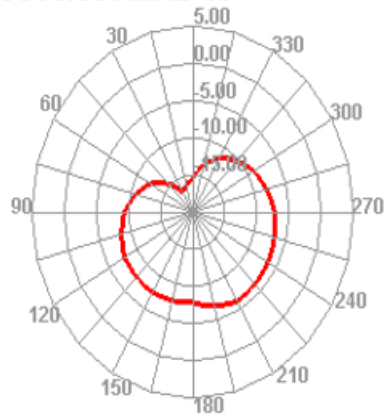
5000.00MHz - 6000.00MHz Gain



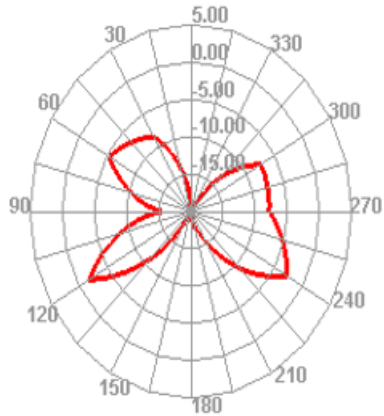
5000.000MHz



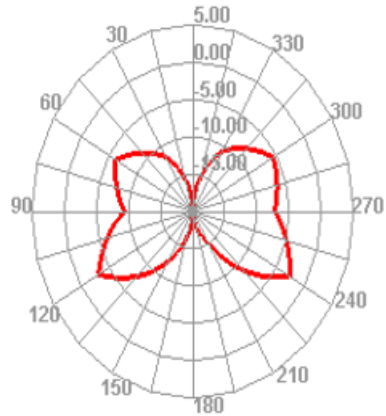
5000.000MHz H



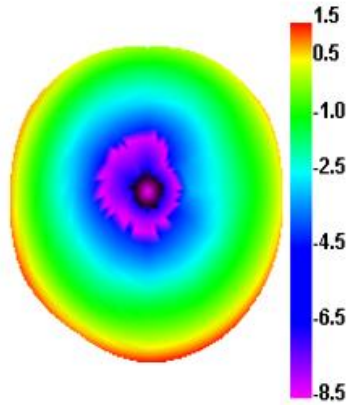
5000.000MHz E1



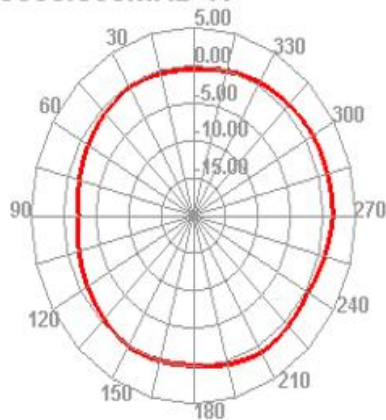
5000.000MHz E2



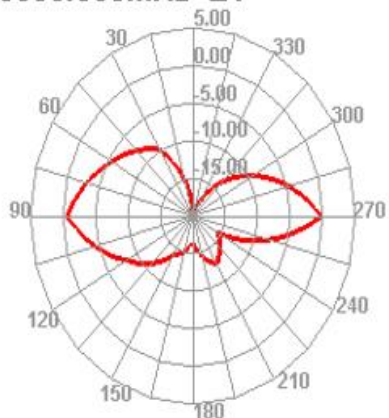
5500.000MHz



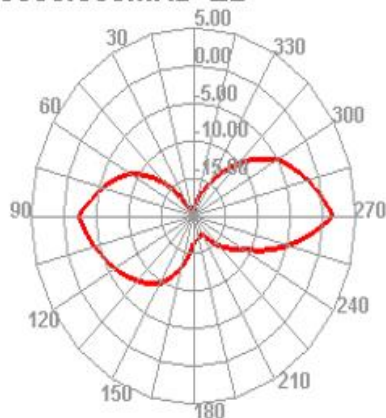
5500.000MHz H



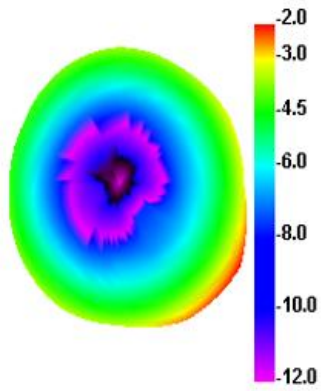
5500.000MHz E1



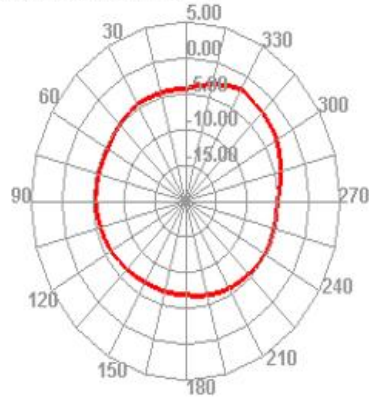
5500.000MHz E2



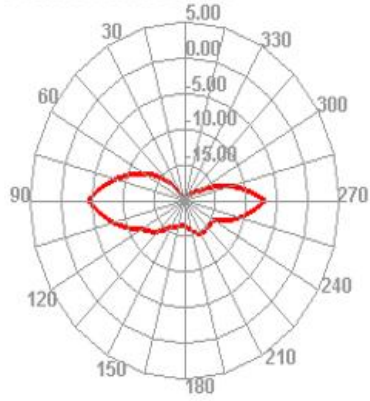
6000.000MHz



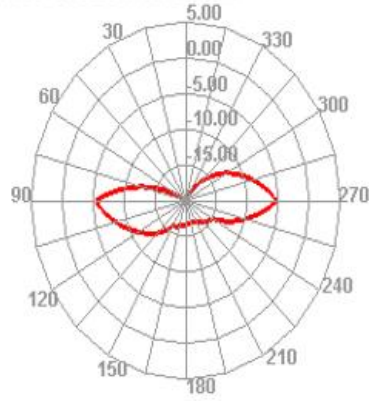
6000.000MHz H



6000.000MHz E1



6000.000MHz E2



4 Matching Circuit Description

No changes made

5 Environmental Treatment



6 Drawing

6.1 Dimensional drawin

