



ONE PLUS ONE
Wireless Communication

Shenzhen OnePlusOne Wireless Communication Technology Co.,Ltd.

No. 7, B1 Building, Hangcheng Jinchi Industrial Park, Hangcheng
Sub-district, Bao 'an District, Shenzhen City

APPROVAL SHEET

Customer Name	
Project Name	DX12
Customer P/N	
Specification	2. 4GHZ Antennas
Production Date	20260312

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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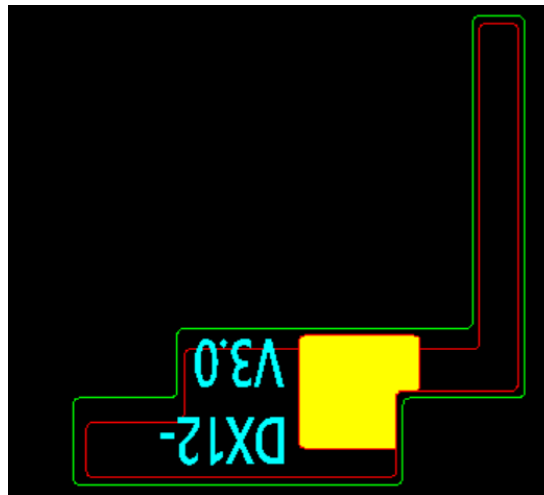
1 Antenna description

ANT	DX12
FRE (MHZ)	2400-2500
TPYE	IFA
Antenna material	FPC

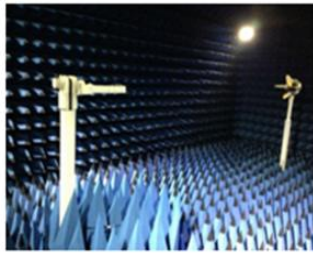
1.1 Part number

ANT	DX12
SIZE (MM)	13.5*13
Printing	DX12-V3.0

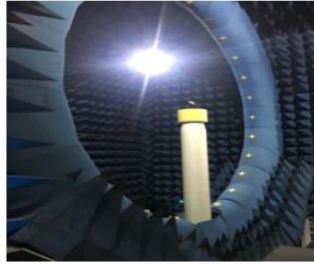
1.2 Antenna pictures



2 Testing equipment



ETS 暗室



SATIMO 暗室



人头手模



8820C 综测仪



E5071B 网络分析仪

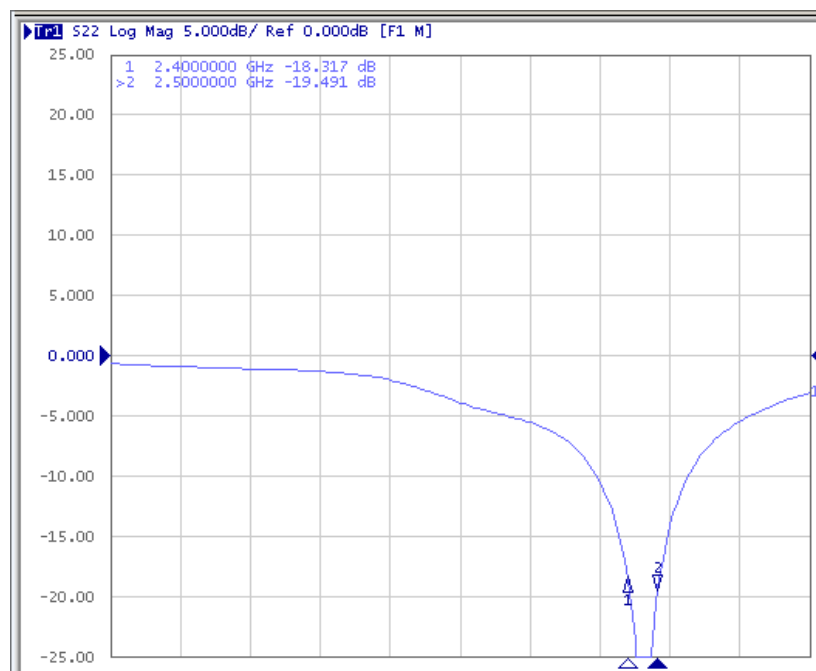


CMW 500 综测仪

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

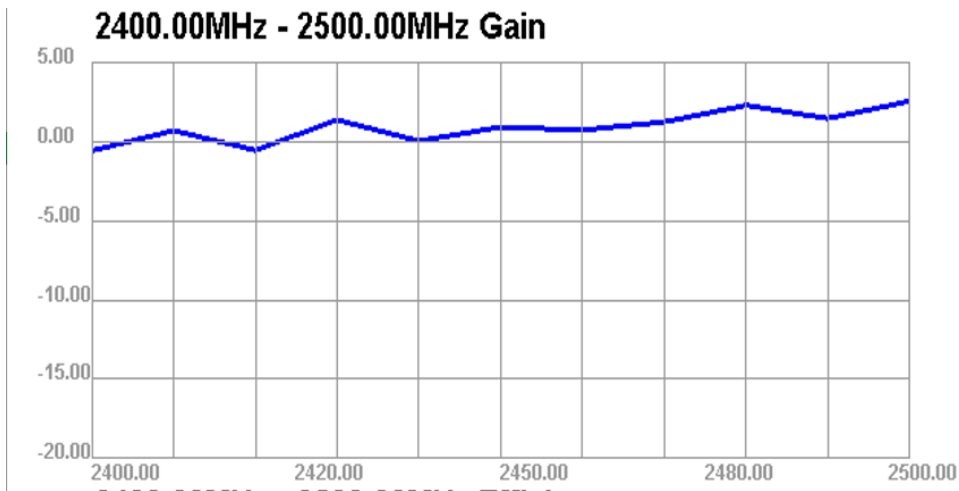
3 Test data

3.1 Passive

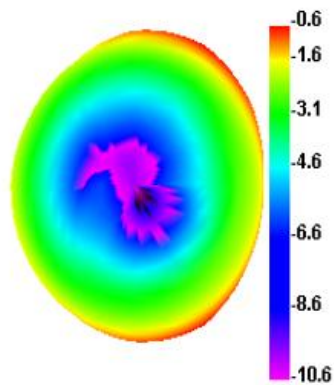


VSWR

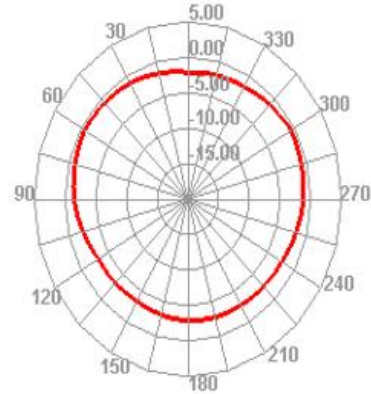
Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)
2400	33.65	-4.73	0.52
2410	32.41	-4.89	0.41
2420	32.89	-4.83	0.35
2430	31.02	-5.08	-0.22
2440	30.56	-5.15	-0.35
2450	29.22	-5.34	-0.41
2460	30.41	-5.17	-0.19
2470	31.84	-4.97	0.25
2480	32.88	-4.83	0.2
2490	29.87	-5.25	0.19
2500	29.01	-5.37	-0.06



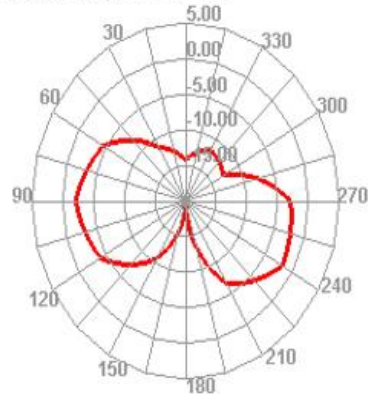
2400.000MHz



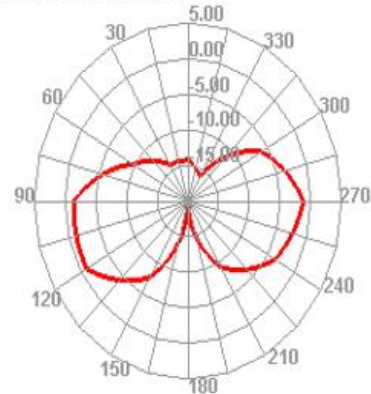
2400.000MHz H



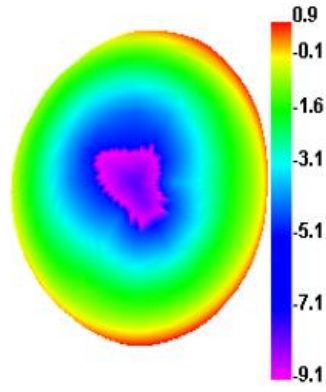
2400.000MHz E1



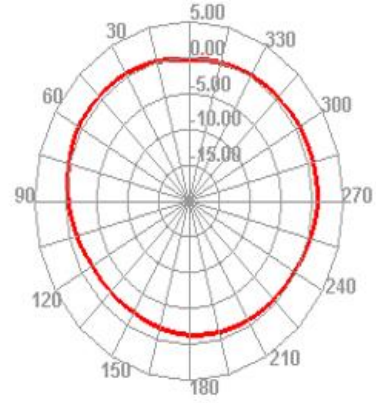
2400.000MHz E2



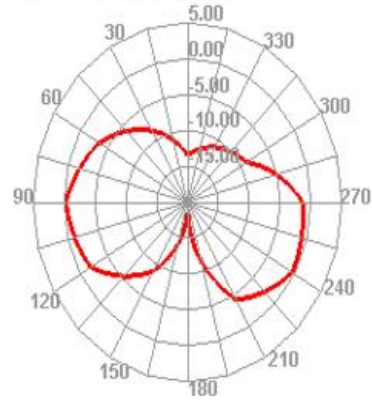
2450.000MHz



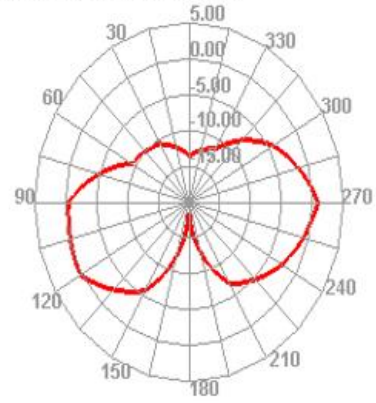
2450.000MHz H



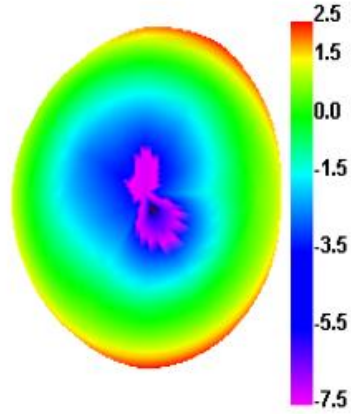
2450.000MHz E1



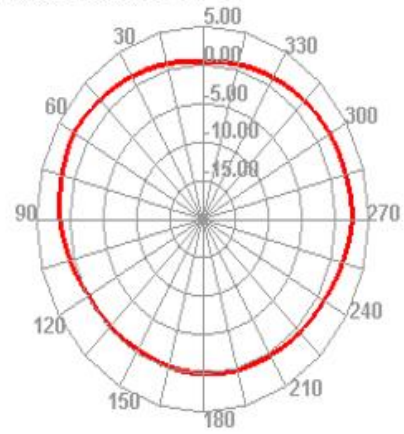
2450.000MHz E2



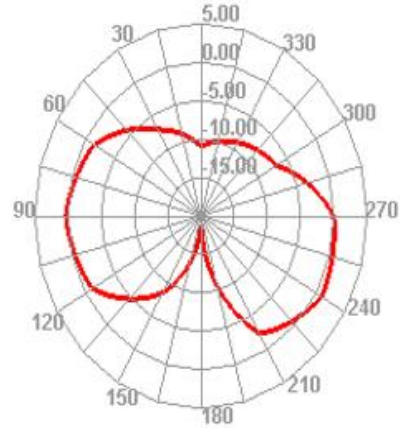
2500.000MHz



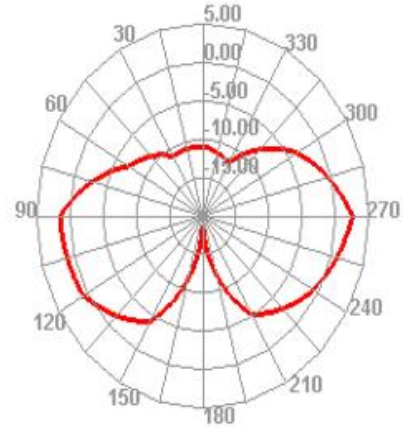
2500.000MHz H



2500.000MHz E1



2500.000MHz E2

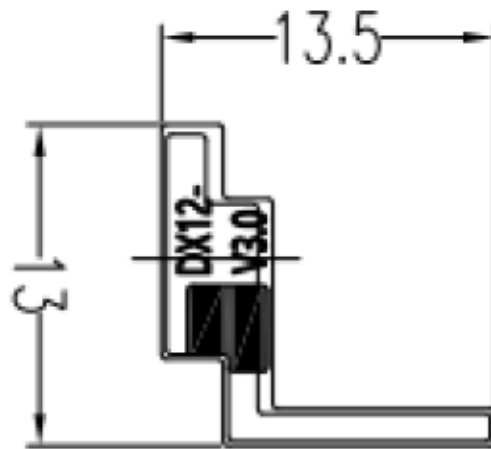


4 Matching Circuit Description

No changes made

5 Drawing

5.1 Dimensional drawin



Unit:mm