

The company's material number

P18 MP4 金属壳天线

P18 MP4 metal shell antenna

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Catalogue

<u>1. BE CONFIRMED BY BOTH SIDES</u>	<u>3</u>
<u>2. GENERAL PRECAUTIONS</u>	<u>4</u>
<u>3. GENERAL PRODUCT SPECIFICATION</u>	<u>4</u>
<u>4. PRODUCT SPECIFICATION DETAIL</u>	<u>5</u>
4.1 PRODUCT STRUCTURE PARAMETER	5
4. 2 PRODUCT ELECTRICAL PERFORMANCE TEST DATA	7
<u>5. PRODUCT PACKAGING METHOD.....</u>	<u>10</u>
<u>6. DOCUMENT RESUME</u>	<u>10</u>

1. BE CONFIRMED BY BOTH SIDES

1.1 Customer confirmation signature

Customer:

Client department/position	Confirmation signature	confirmation date
Hardware/RF		
structure		
project manager		
Business/Purchasing		
audit		

1.2Mingzhi hardware signature confirmation

Client department/position	Confirmation signature	confirmation date
Antenna engineer		
structural engineer		
project manager		
QA		
audit		

2. general precautions

2.1 scope of application

This specification applies only to MP4 metal shell antennas


2.2 using temperature range

Temperature range of this product : -20 ~ +65 °C

2.3 Storage temperature range

This product is stored in : -30 ~ +75 °C

3. General product specification

NO.	ITEMS	DETAILS
1	type	MP4
2	frequency band	2400-2500MHz
3	VSWR	≤2.0
4	impedance	50 Ω
5	Antenna type	Slot
6	Antenna implementation form	PCB
7	Antenna picture	

4. Product specification detail

4.1 Product structure parameter

4.11 Product material composition:

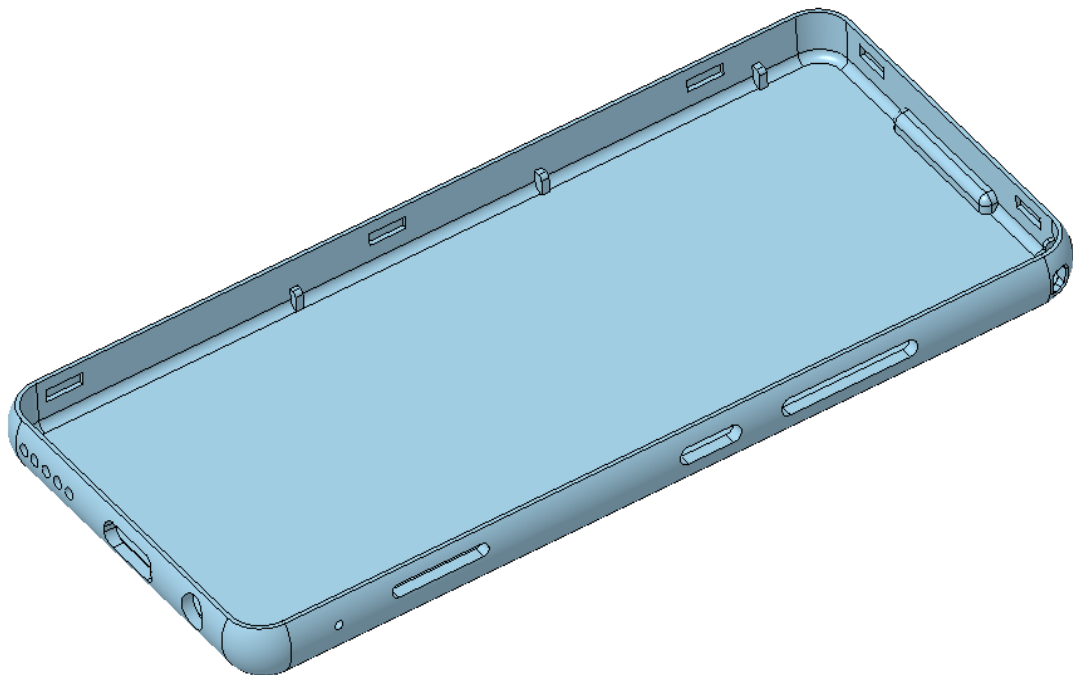
serial number	materials	specification (MM)
1	五金天线	107.1*50.1*7.3 厚度

4.12 appearance

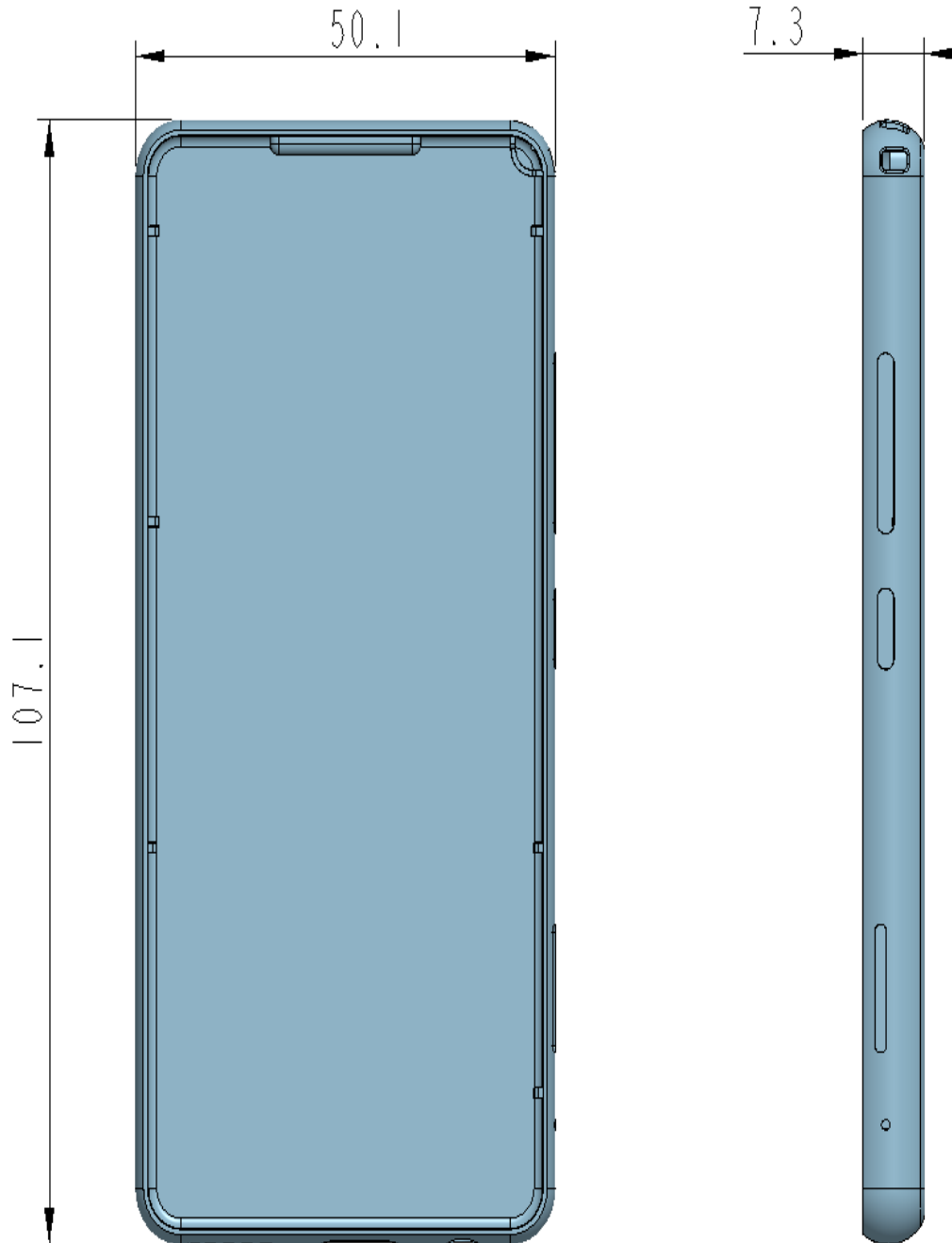
The product has good appearance, no scars, sweat, protrusions and other defects that seriously affect the appearance.

4.13 structure size

Refer to product drawing:



product drawing:



4. 2 Product electrical performance test data

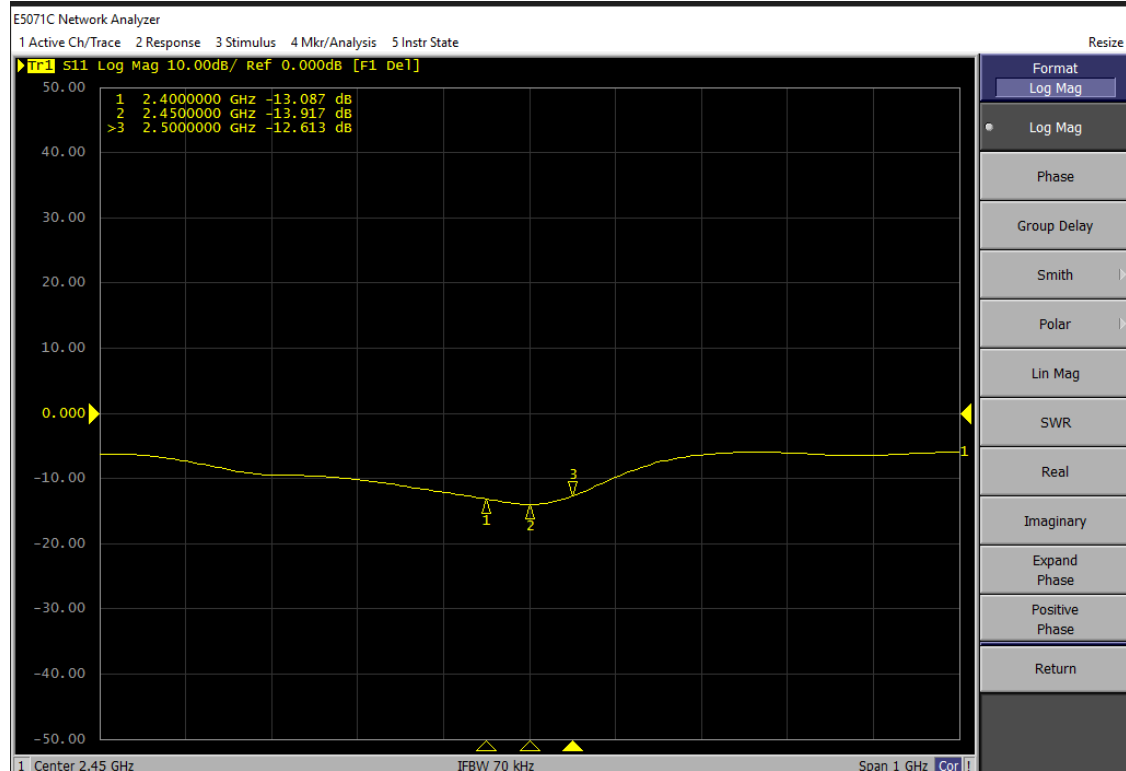
4. 21 Test environment and equipment

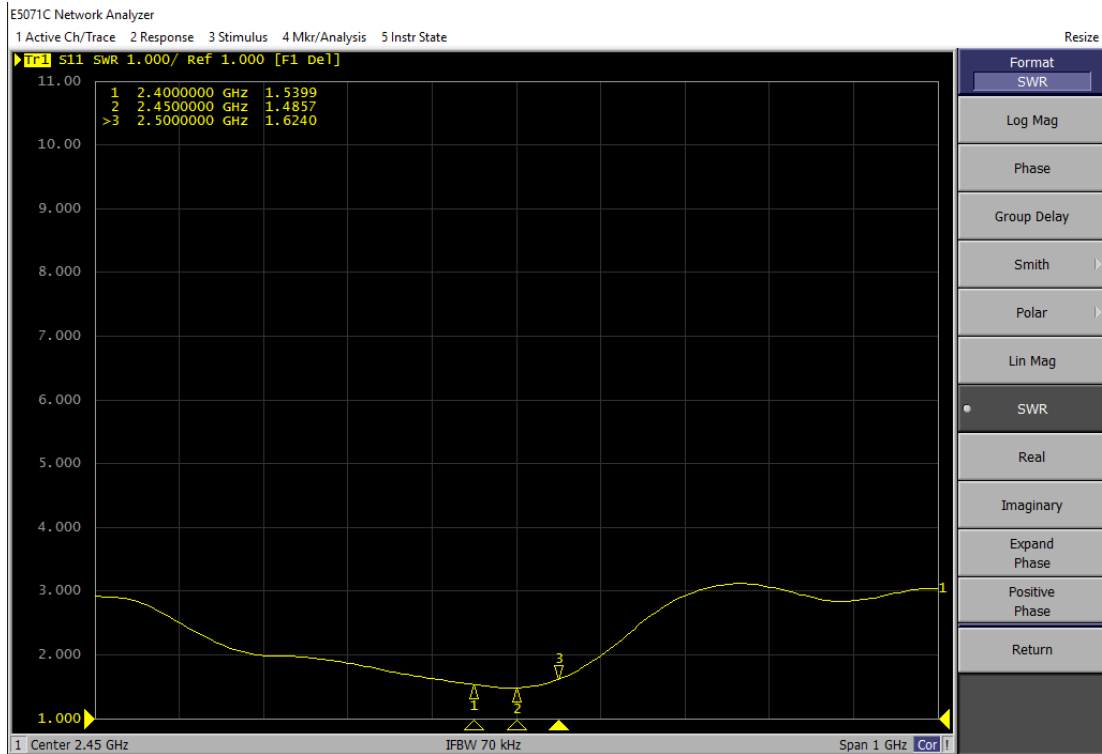
测试环境: 温度: 10℃——+30℃ 相对湿度: ≤80% (+40℃) 大气压力: 750mmkg±30mmkg	测试设备: 网络分析仪 KEYSIGHT E5071C 多探头全电波暗室
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4. 22 Product electrical performance test data:

S11 diagram of the product:

Marker	2400MHz	2450MHz	2500MHz
Returnloss	-13.08	-13.91	-12.61
VSWR	1.53	1.48	1.62



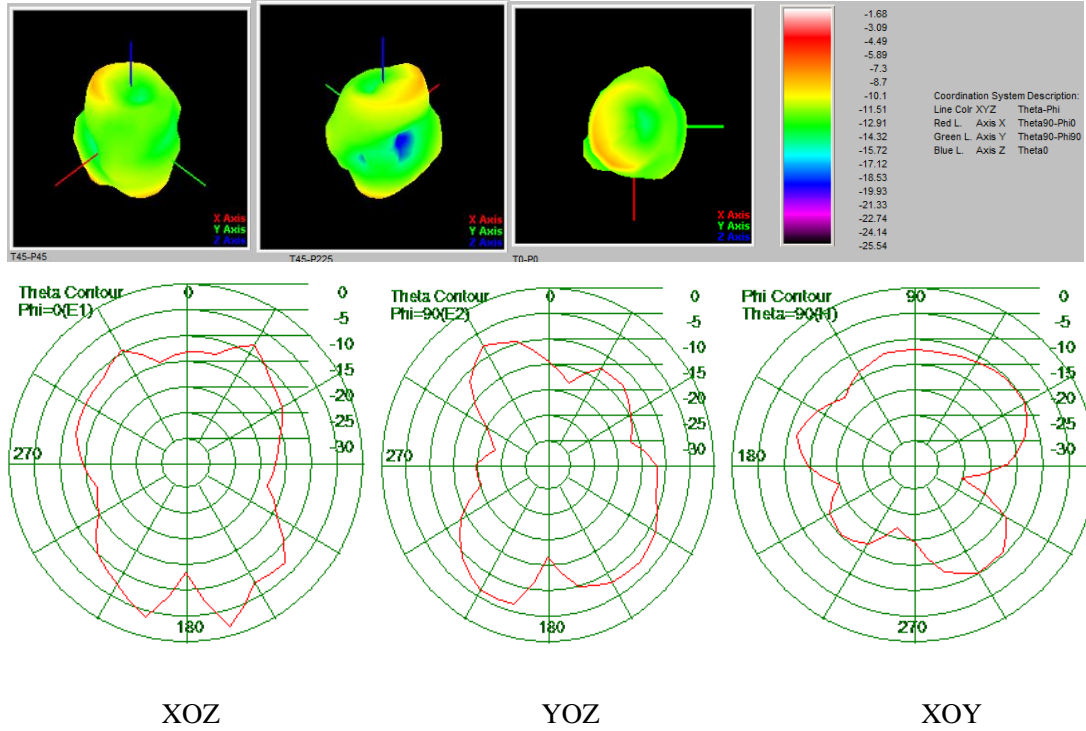


4. 23 Gain, efficiency and radiation pattern

频率 (MHz)	Gain (dBi)	Efficiency (%)
2400.0	-3.13	15.1
2410.0	-3.19	15.2
2420.0	-2.49	15.5
2430.0	-2.00	16.0
2440.0	-1.64	16.8
2450.0	-1.68	18.0
2460.0	-1.43	18.6
2470.0	-1.14	19.1
2480.0	-1.52	18.5
2490.0	-2.39	17.0
2500.0	-3.60	10.1

辐射方向图:

频率 2450MHz



5. Product packaging method

manner of packing:

Self-sealing bag, 200PCS per pack. .

6. Document resume

文件编号 Document No.	
日期 Release Date	2024/01/08
编制 Author	Hungjie
复核 Review	WH

文件历次表

Revised History

Date	Version	Revised Record
2024/01/08	1.00	New Project