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Specification number: 20190705S02

# Product specification

Product name: Onboard omnidirectional antenna

Product model: Price tag onboard antenna

within Allow: Electrical performance report

Customer item No: \_\_\_\_\_

Draw up:	ZHEJIANG SUNPARL INFORMATION TECHNOLOGY CO.,LTD	customer:	
approval:		approval:	
confirmation:		confirmation:	

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## 1、 summary

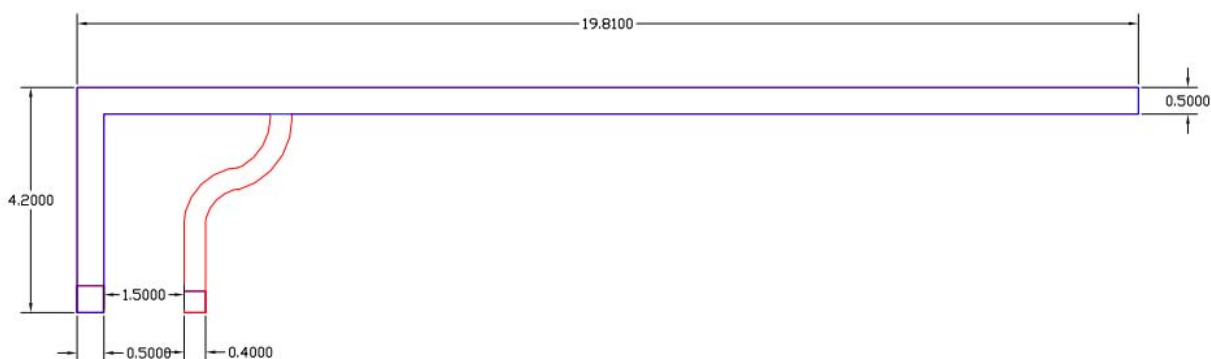
This report provides the test status of various electrical performance parameters of the price tag onboard antenna produced by (sunparl).

## 2、 performance index

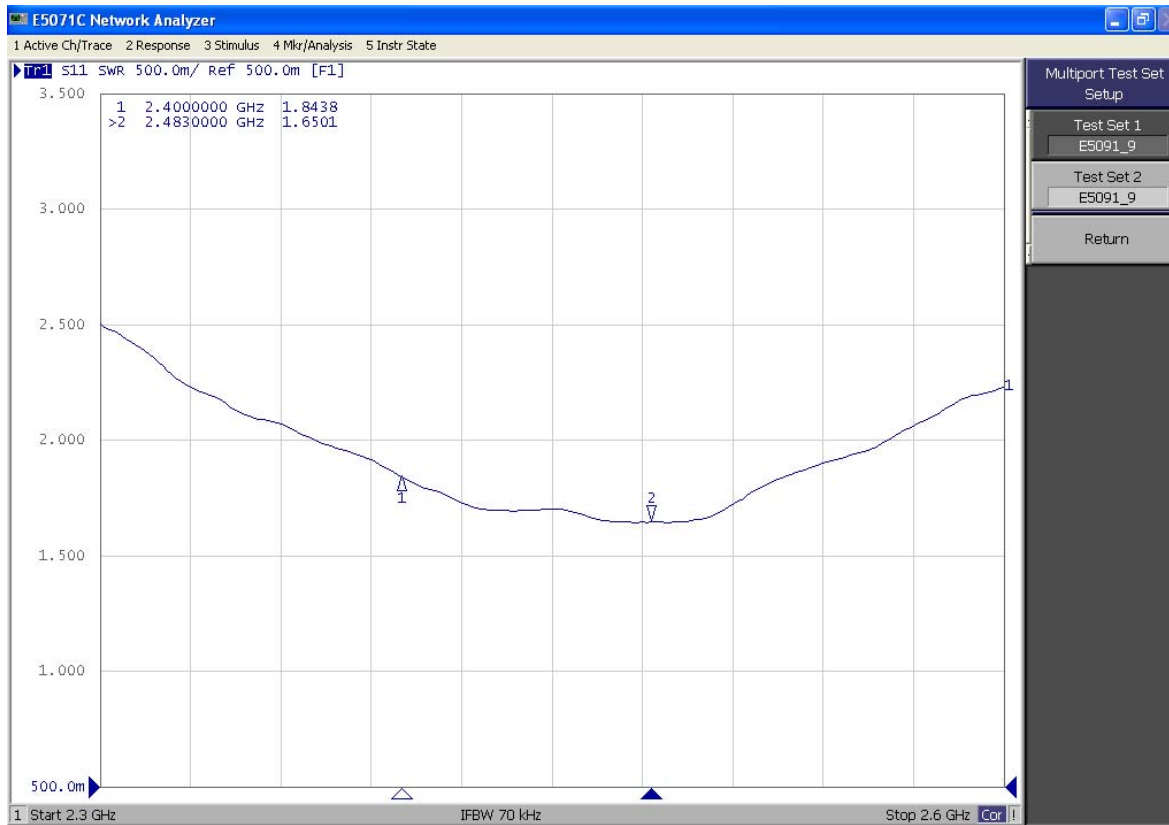
### 2.1.1 Electrical performance index

Frequency range - MHz	2400-2500MHz
Bandwidth MHz	83
Gain - DBI	4.83
Horizontal lobe width - °	360°
Vertical lobe width - °	60°
Standing wave ratio VSWR	≤2
Input impedance - Ω	50Ω
Polarization mode	vertica 1

### Antenna standing wave diagram



### 3 、 Antenna standing wave diagram:

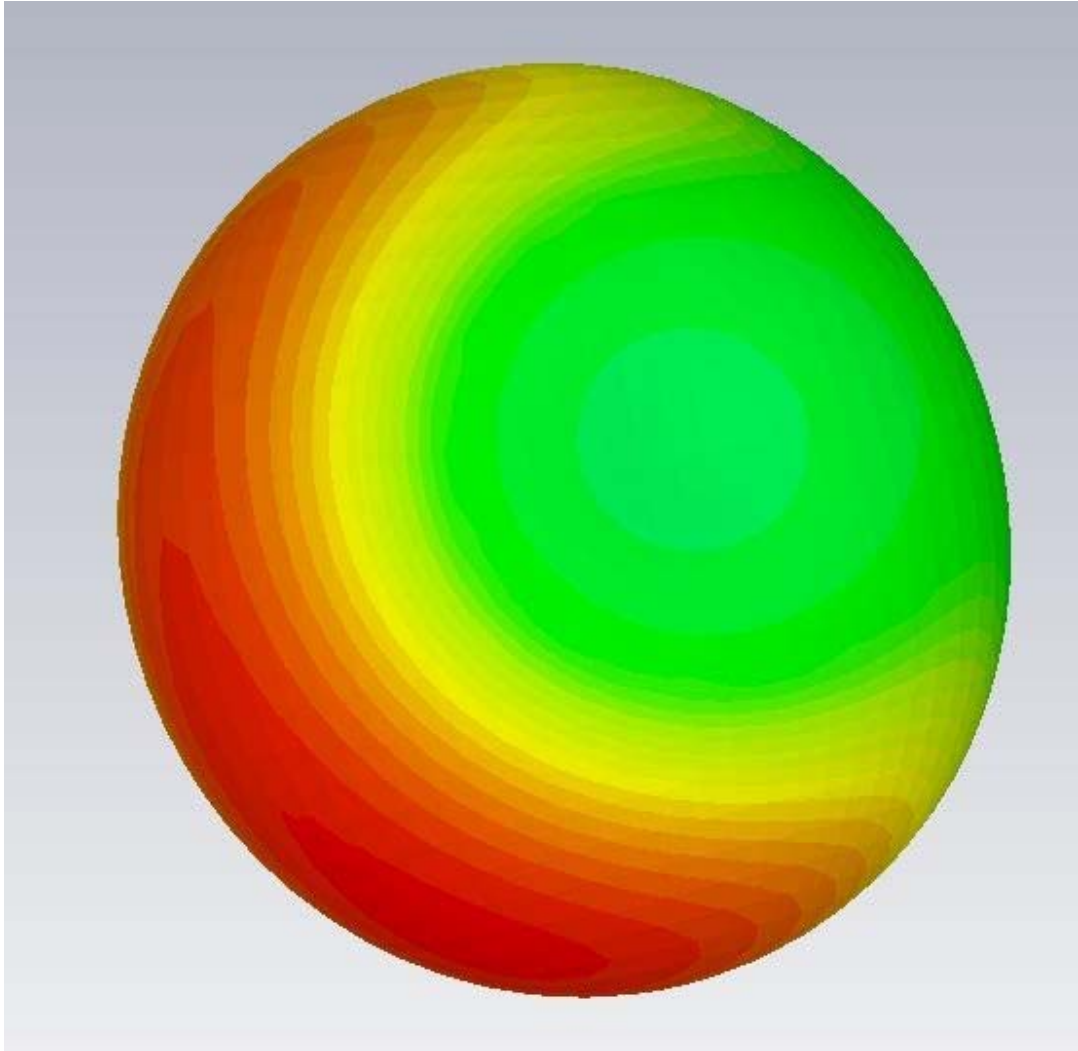


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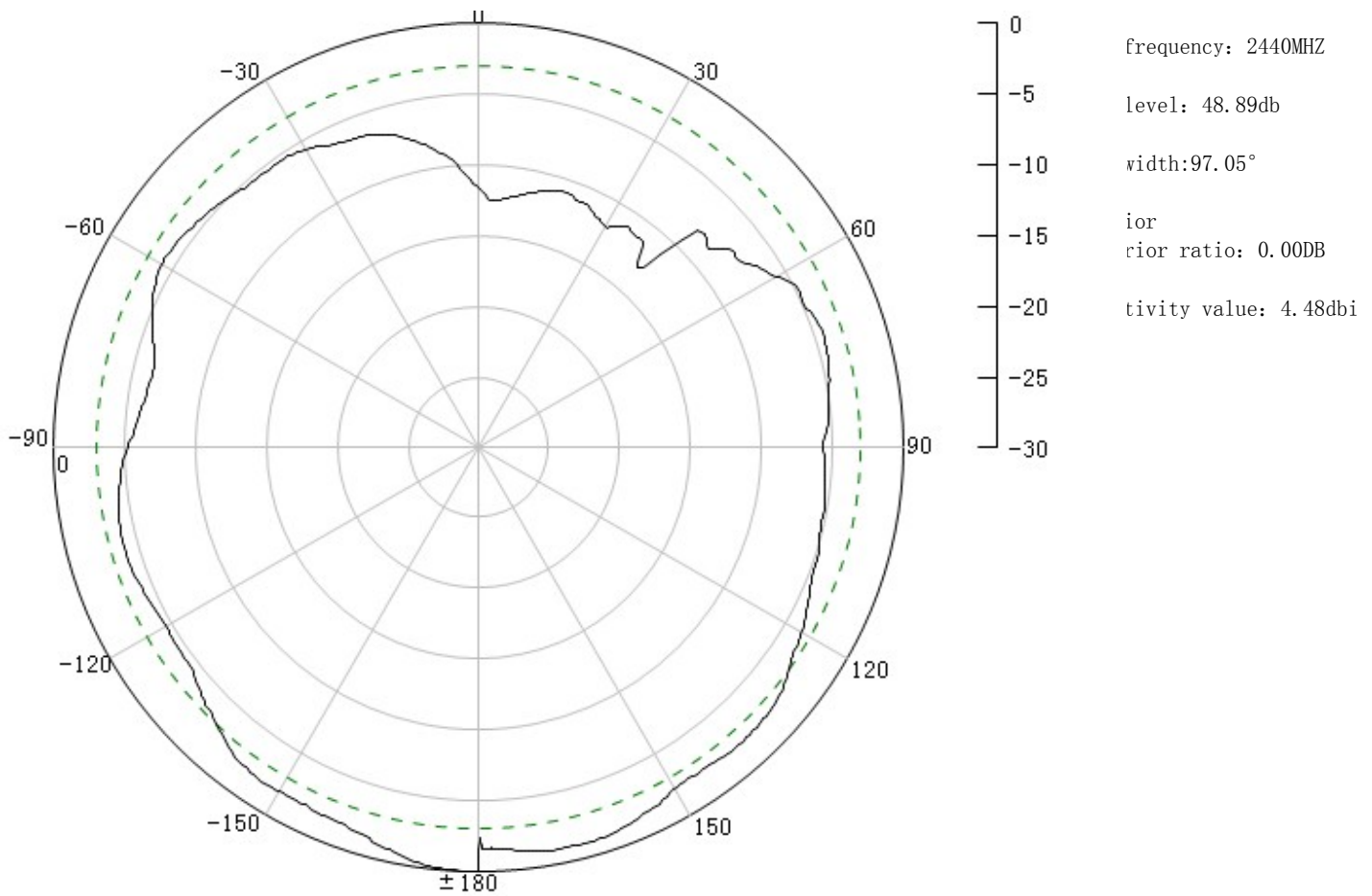
4、

Antenna parameters

The radiation diagram is as follows:



2450MHz



frequency	peak value	3dB width	Directivity value	Directivity value
2440	-48.89	97.05	0.00	4.48

#### 4.2 Antenna gain

2.4G	2400	2420	2440	2460	2480	2500		
1#port	4.45	4.34	4.48	4.83	4.59	4.24		