



# 2.4GHz FPC BUILT-IN ANTENNA

## TECHNICAL DATA SHEET

TX2400-FPC-5015

VERSION: 3.3    DATE: 2021-08-03

TEL: 028-61542639    WEBSITE: [WWW.ZIISOR.COM](http://WWW.ZIISOR.COM)

CHENGDU ZIISOR TECHNOLOGY CO., LTD.    EXPERT OF IOT ANTENNAS

TX2400-FPC-5015

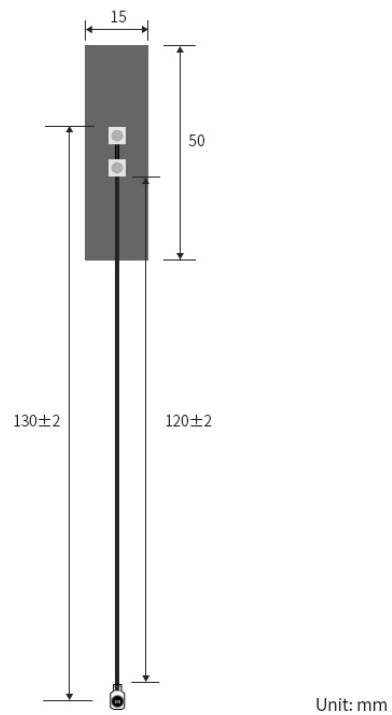


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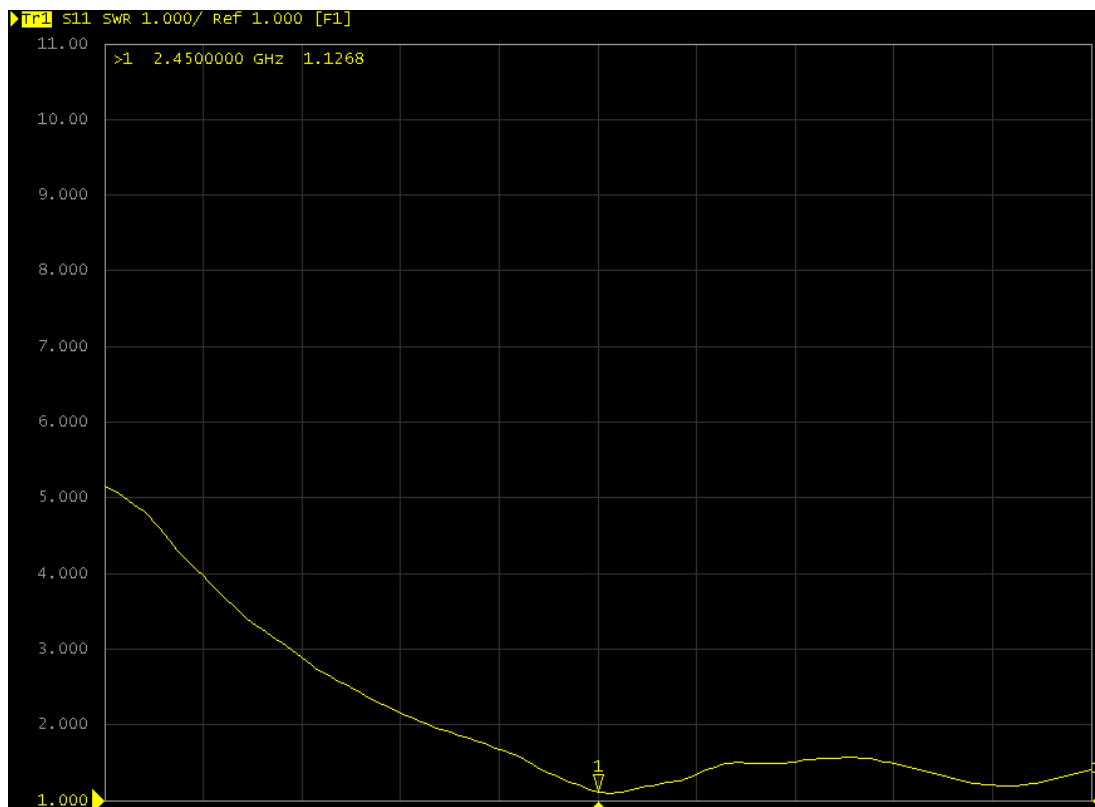
TX2400-FPC-5015

| NO. | MECHANICAL SPECIFICATIONS    | VALUE           | COMMENT            |
|-----|------------------------------|-----------------|--------------------|
| 01  | Part Number                  | TX2400-FPC-5015 | Omni Antenna       |
| 02  | Material                     | FPC             |                    |
| 03  | Connector Type               | IPEX-1          |                    |
| 04  | Antenna Colour               | Black           |                    |
| 05  | Overall Size                 | 50*15mm         |                    |
| 06  | Cable Length                 | 120mm           | Cable Customizable |
| 07  | Weight                       | 1g              |                    |
| NO. | ELECTRICAL SPECIFICATIONS    | VALUE           | COMMENT            |
| 01  | Frequency                    | 2.4GHz          | 2.4~2.5GHz         |
| 02  | Antenna Gain                 | 0.6dBi          |                    |
| 03  | Radiation type               | Omnidirectional |                    |
| 04  | Polarization                 | Linear          | Vertical           |
| 05  | Nominal Impedance            | 50Ω             |                    |
| 06  | Max Input Power              | 2W              |                    |
| 077 | S.W.R.                       | ≤1.5            |                    |
| NO. | ENVIRONMENTAL SPECIFICATIONS | VALUE           | COMMENT            |
| 01  | Operation Temperature        | -30°C ~ +75°C   |                    |
| 02  | Storage Temperature          | -30°C ~ +75°C   |                    |
| 03  | RoHS Compliant               | YES             |                    |

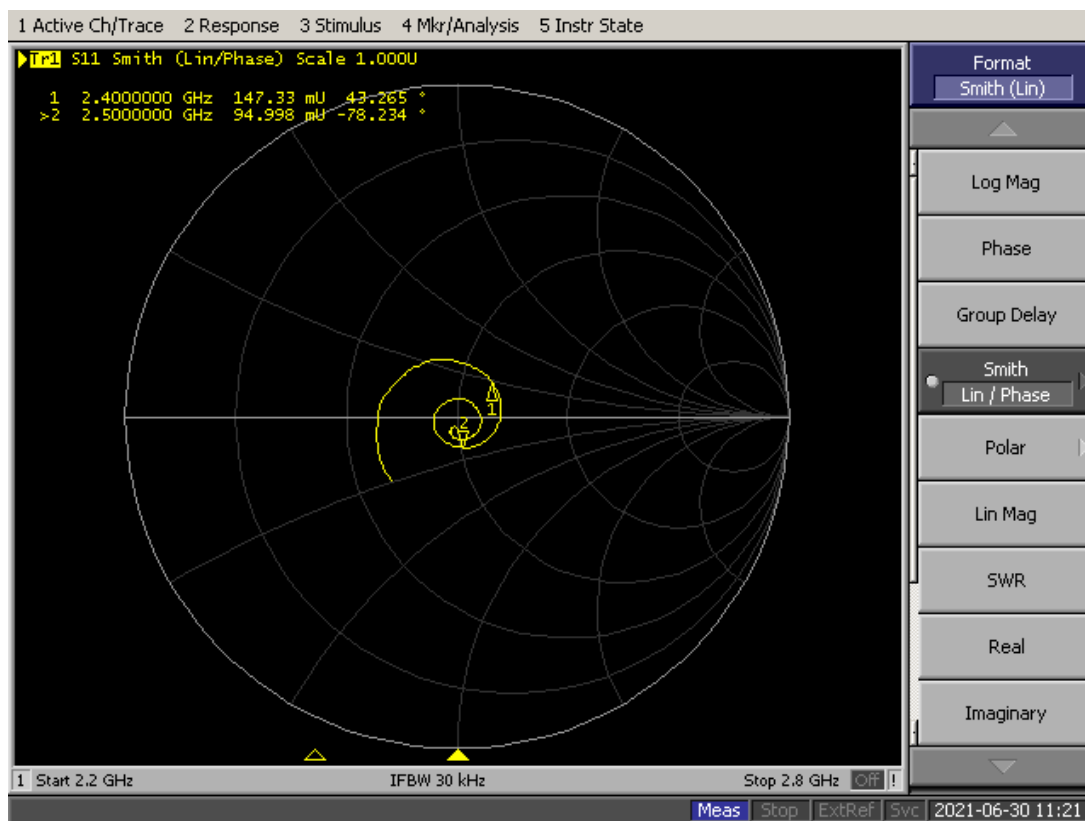
MECHANICAL DRAWING



S.W.R.



SMITH



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## CONTACT US

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型号：TX2400-FPC-5015

## 1. Efficiency/ Gain Test 效率测试

| Freq (MHz) | Effi (%) | Gain (dBi) |
|------------|----------|------------|
| 2400MHz    | 45.28    | 0.28       |
| 2410MHz    | 42.31    | 0.21       |
| 2420MHz    | 43.55    | 0.35       |
| 2430MHz    | 43.91    | 0.48       |
| 2440MHz    | 44.68    | 0.52       |
| 2450MHz    | 45.77    | 0.6        |
| 2460MHz    | 46.32    | 0.51       |
| 2470MHz    | 47.58    | 0.42       |
| 2480MHz    | 48.11    | 0.34       |
| 2490MHz    | 48.98    | 0.43       |
| 2500MHz    | 49.11    | 0.48       |

## 2.Radiation Pattern/辐射方向图

