



# 2.4GHz FPC BUILT-IN ANTENNA

## TECHNICAL DATA SHEET

DZP(TX2400-FPC-6615)

VERSION: 3.3    DATE: 2023-10-08

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



DZP(TX2400-FPC-6615)

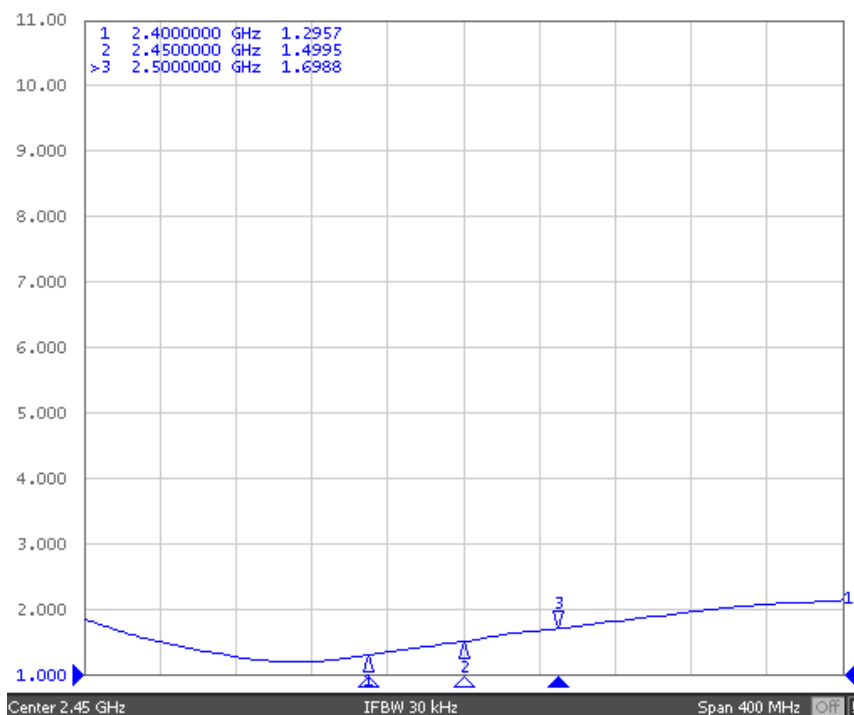
| NO. | MECHANICAL SPECIFICATIONS    | VALUE                | COMMENT            |
|-----|------------------------------|----------------------|--------------------|
| 01  | Part Number                  | DZP(TX2400-FPC-6615) | Omni Antenna       |
| 02  | Material                     | FPC                  |                    |
| 03  | Connector Type               | IPEX-1               |                    |
| 04  | Antenna Colour               | Black                |                    |
| 05  | Overall Size                 | 66*15mm              |                    |
| 06  | Cable Length                 | 180mm                | Cable Customizable |
| 07  | Weight                       | 1g                   |                    |
| NO. | ELECTRICAL SPECIFICATIONS    | VALUE                | COMMENT            |
| 01  | Frequency                    | 2.4GHz               | 2.4~2.5GHz         |
| 02  | Antenna Gain                 | 3.5dBi               |                    |
| 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

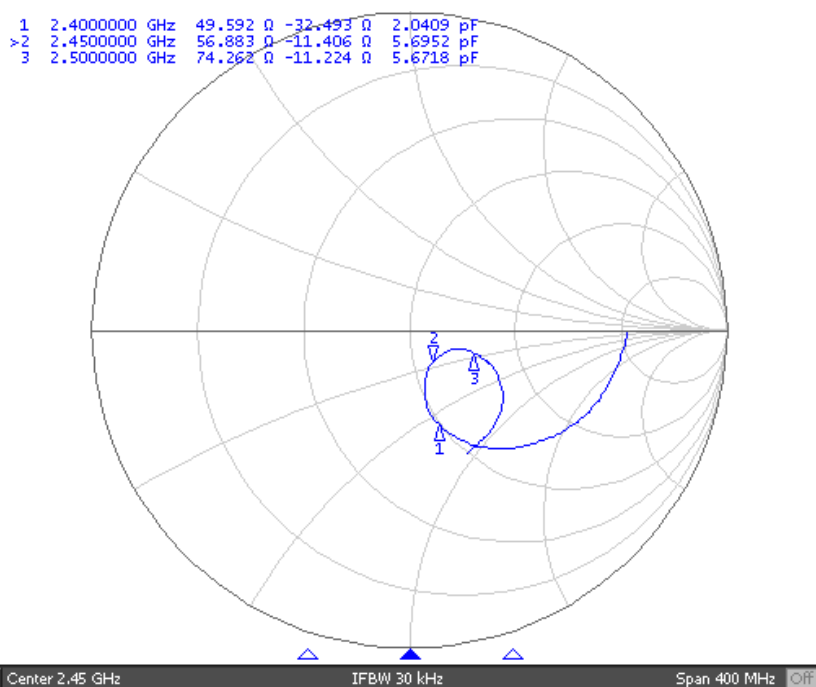


UNIT: mm

S.W.R.



SMITH



Note: Antenna exposed in air test data is for reference only

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## CONTACT US

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型号：DZP(TX2400-FPC-6615)

1. Efficiency/ Gain Test   效率测试

| Freq (MHz) | Effi (%) | Gain (dBi) |
|------------|----------|------------|
| 2400MHz    | 49.27    | 3.31       |
| 2410MHz    | 48.55    | 3.1        |
| 2420MHz    | 47.77    | 3.41       |
| 2430MHz    | 47.11    | 3.5        |
| 2440MHz    | 46.79    | 3.28       |
| 2450MHz    | 46.21    | 3.07       |
| 2460MHz    | 46.01    | 3.2        |
| 2470MHz    | 45.76    | 2.84       |
| 2480MHz    | 45.13    | 3.07       |
| 2490MHz    | 44.98    | 2.9        |
| 2500MHz    | 44.51    | 2.66       |

2.Radiation   Pattern/辐射方向图

