

# Antenna Test Report

**Report No.** : SSP24070041-2A

**Manufacturer** : Xiamen AiYin Technology Co., Ltd.

**Product Name** : 2.4GHz Antenna

**Model Name** : B22

**Test Standard** : IEEE 149-1979

**Tested Date** : 2024-07-12

**Issued Date** : 2024-07-13

**Tested By** : William Liu William Liu(Engineer)

**Approved By** : Lahm Peng Lahm Peng (Manager)




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# 1. General Information

## 1.1 Product Information

|                          |   |
|--------------------------|---|
| Manufacturer:            | Xiamen AiYin Technology Co., Ltd.   |
| Address of Manufacturer: | 3rd, 4th and 5th floor, No. 101, Huli Industrial Park, Meixi Road, Tong'an District, Xiamen City                            |
| Product Name:            | 2.4GHz Antenna  |
| Model Name:              | B22   |
| Frequency Range:         | 2400MHz - 2483.5MHz   |
| Type of Antenna:         | PCB Antenna   |
| Antenna Gain:            | 0dBi (Max.)   |
| Impedance:               | 50 ohm  |
| Antenna View:            | <div>Antenna View (12mm* 5mm)<br/></div> |

## 1.2 Test Standard

All measurements contained in this report were conducted with standards IEEE 149-1979 for IEEE Standard Test Procedures for Antennas.

## 1.3 Test Facilities

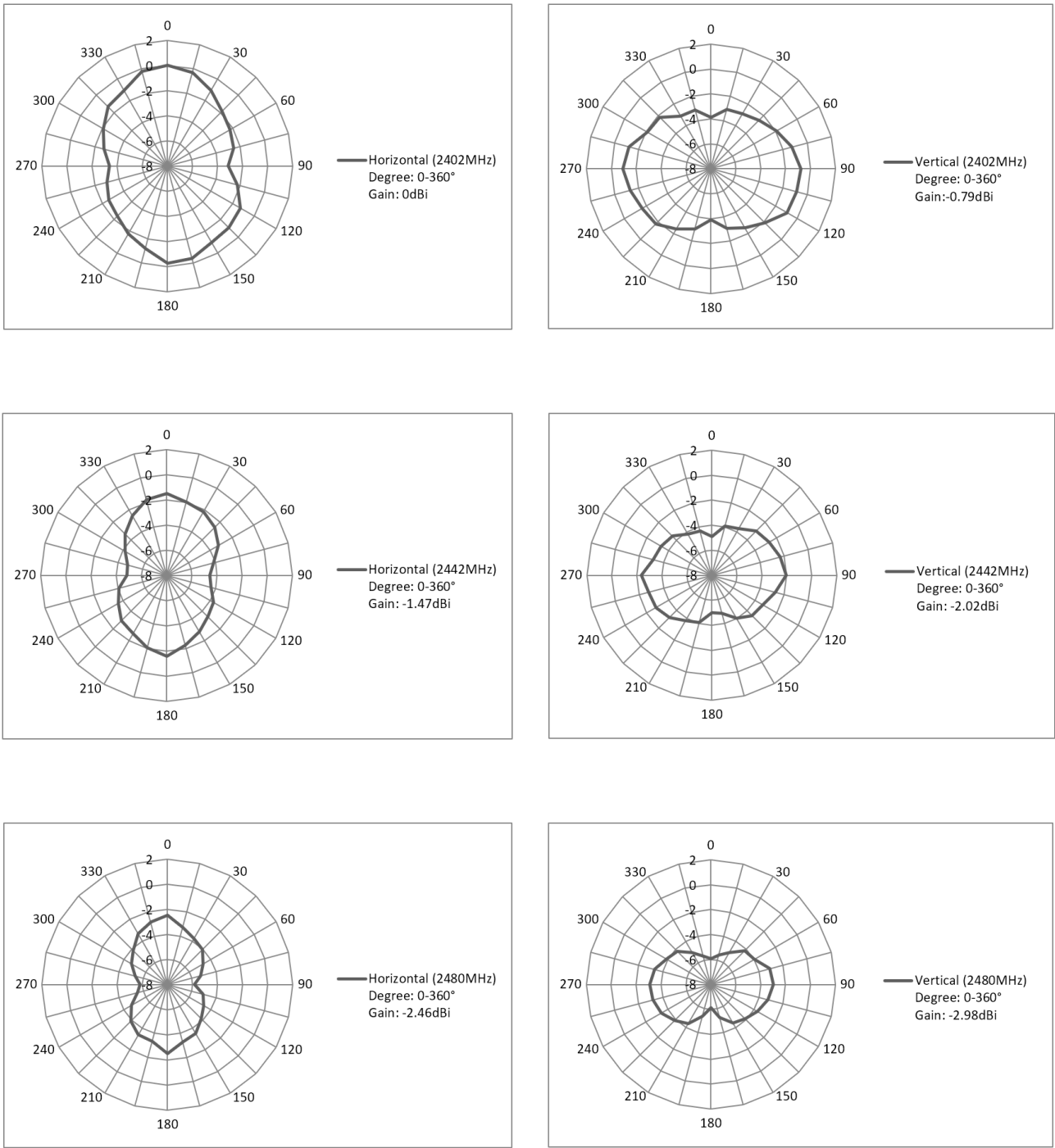
|  |   |
|--|---|
| Laboratory Name:   | <b>Shenzhen CCUT Quality Technology Co., Ltd.</b><br>1F, Building 35, Changxing Technology Industrial Park, Yutang Street, Guangming District, Shenzhen, Guangdong, China |
| All measurement facilities used to collect the measurement data are located at 1F, Building 35, Changxing Technology Industrial Park, Yutang Street, Guangming District, Shenzhen, Guangdong, China. |   |

# 2. OTA Test

2.1 Gain

| Frequency | Peak Gain (dBi) | Polarity   |
|-----------|-----------------|------------|
| 2402MHz   | 0               | Horizontal |
| 2402MHz   | -0.79           | Vertical   |
| 2442MHz   | -1.47           | Horizontal |
| 2442MHz   | -2.02           | Vertical   |
| 2480MHz   | -2.46           | Horizontal |
| 2480MHz   | -2.98           | Vertical   |

2.2 Radiation Pattern View



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