

# Antenna Test Report

**Report No.** : SSP24050119-1E

**Manufacturer** : Hubei Saitake Electronic Co., Ltd.

**Product Name** : 2.4GHz Antenna

**Model Name** : STK-7040RG

**Test Standard** : IEEE 149-1979

**Tested Date** : 2024-05-15

**Issued Date** : 2024-05-16

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

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



**Shenzhen CCUT Quality Technology Co., Ltd.**

1F, Building 35, Changxing Technology Industrial Park, Yutang Street, Guangming District, Shenzhen,  
Guangdong, China; (Tel.:+86-755-23406590 website: [www.ccuttest.com](http://www.ccuttest.com))

This test report is limited to the above client company and the product model only. It may not be duplicated  
without prior permitted by Shenzhen CCUT Quality Technology Co., Ltd.

## 1. General Information

### 1.1 Product Information

|                          |   |
|--------------------------|---|
| Manufacturer:            | Hubei Saitake Electronic Co., Ltd.  |
| Address of Manufacturer: | Building 8, Garment Industrial Park, No.1, Fazhan Avenue, Maoshi Town, Jianli City, Jingzhou City, Hubei Province, China      |
| Product Name:            | 2.4GHz Antenna  |
| Model Name:              | STK-7040RG  |
| Frequency Range:         | 2400MHz - 2483.5MHz   |
| Type of Antenna:         | PCB Antenna   |
| Antenna Gain:            | 3dBi (Max.)   |
| Impedance:               | 50 ohm  |
| Antenna View:            | <div>Length * Width (1.5cm * 0.5cm)</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

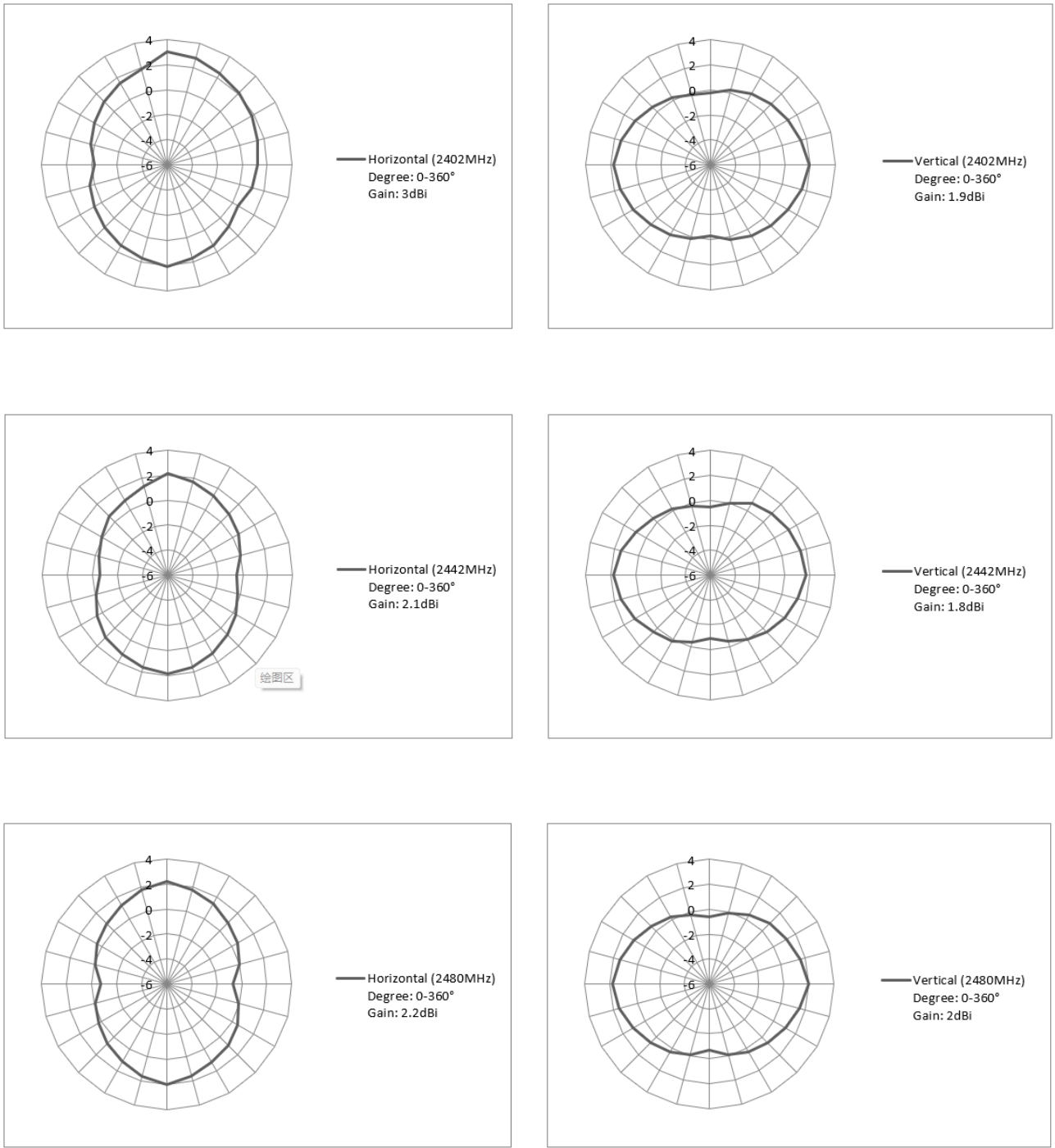
|  |  |
|--|--|
| Laboratory Name:   | <b>Shenzhen CCUT Quality Technology Co., Ltd.</b><br>1F, Building 35, Changxing Technology Industrial Park, Yutang Street,<br>Guangming District, Shenzhen, Guangdong, China |
| All measurement facilities used to collect the measurement data are located at 1F, Building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

2. OTA Test

2.1 Gain

| Frequency | Peak Gain (dBi) | Polarity   |
|-----------|-----------------|------------|
| 2402MHz   | 3               | Horizontal |
| 2402MHz   | 1.9             | Vertical   |
| 2442MHz   | 2.1             | Horizontal |
| 2442MHz   | 1.8             | Vertical   |
| 2480MHz   | 2.2             | Horizontal |
| 2480MHz   | 2               | Vertical   |

2.2 Radiation Pattern View



\*\*\*\*\* END OF REPORT \*\*\*\*\*