

# Antenna Test Report

**Report No.** : SSP24060116-2A

**Manufacturer** : TOGETHER NICER LIMITED

**Product Name** : 2.4GHz Antenna

**Model Name** : G10

**Test Standard** : IEEE 149-1979

**Tested Date** : 2024-06-13

**Issued Date** : 2024-06-13

**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  
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## 1. General Information

### 1.1 Product Information

|                          |   |
|--------------------------|---|
| Manufacturer:            | TOGETHER NICER LIMITED  |
| Address of Manufacturer: | Room 13, 27th Floor, Hoing, commenci dl Center,2-16 Garden Street, Mongkok, Kowloon, Hongkong                               |
| Product Name:            | 2.4GHz Antenna  |
| Model Name:              | G10   |
| Frequency Range:         | 2400MHz – 2483.5MHz   |
| Type of Antenna:         | FPC Antenna   |
| Antenna Gain:            | 0.54dBi (Max.)  |
| Impedance:               | 50 ohm  |
| Antenna View:            | <div>Length * Width (120mm * 3mm)</div>  |

### 1.2 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. |   |

1.3 List of Measurement Instruments

| Description             | Manufacturer | Model      | Serial Number | Cal. Date  | Due. Date  |
|-------------------------|--------------|------------|---------------|------------|------------|
| Horn Antenna            | SCHWARZBECK  | BBHA 9120D | 02553         | 2023-08-05 | 2024-08-04 |
| Spectrum Analyzer       | KEYSIGHT     | N9020A     | MY48030972    | 2023-07-31 | 2024-07-30 |
| Amplifier               | Agilent      | 8449B      | 3008A01520    | 2023-07-31 | 2024-07-30 |
| Vector Network Analyzer | Agilent      | E5071B     | MY42404001    | 2023-07-31 | 2024-07-30 |

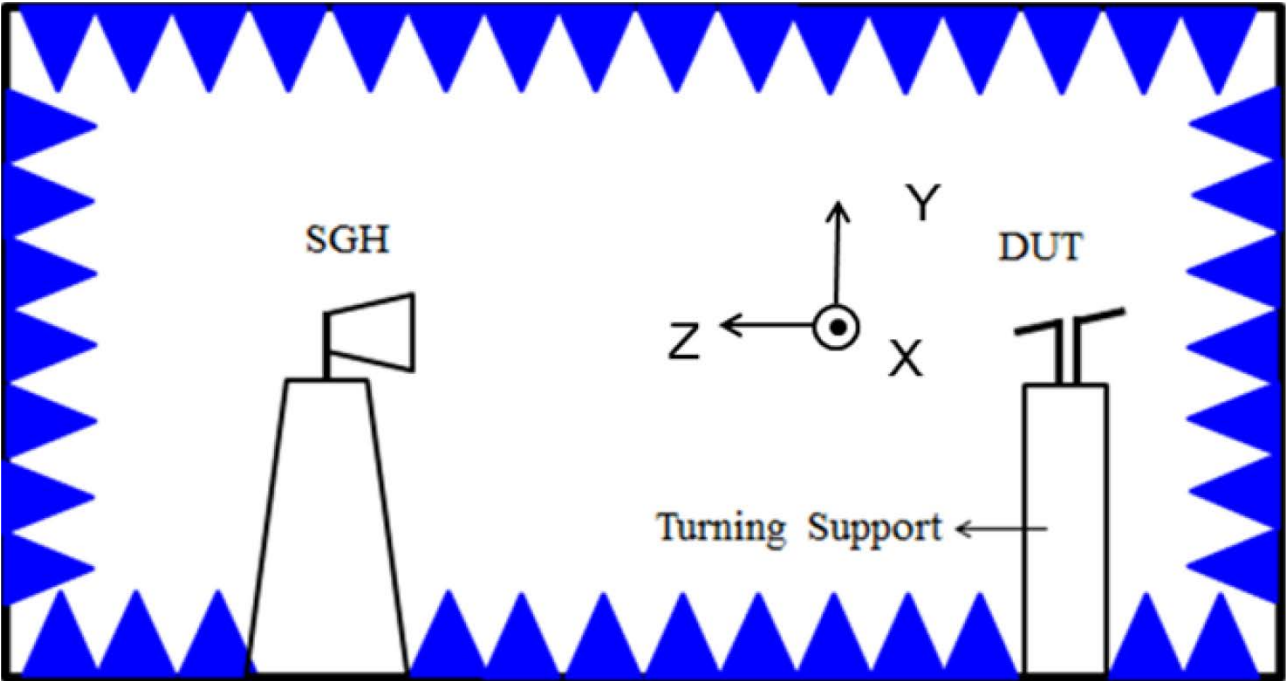
1.4 Measurement Uncertainty

| Parameter                | Conditions    | Uncertainty |
|--------------------------|---------------|-------------|
| Radiated Emissions Power | 100MHz ~ 6GHz | ±3.38 dB    |

1.5 Test Methodology

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

1.6 Test Setup

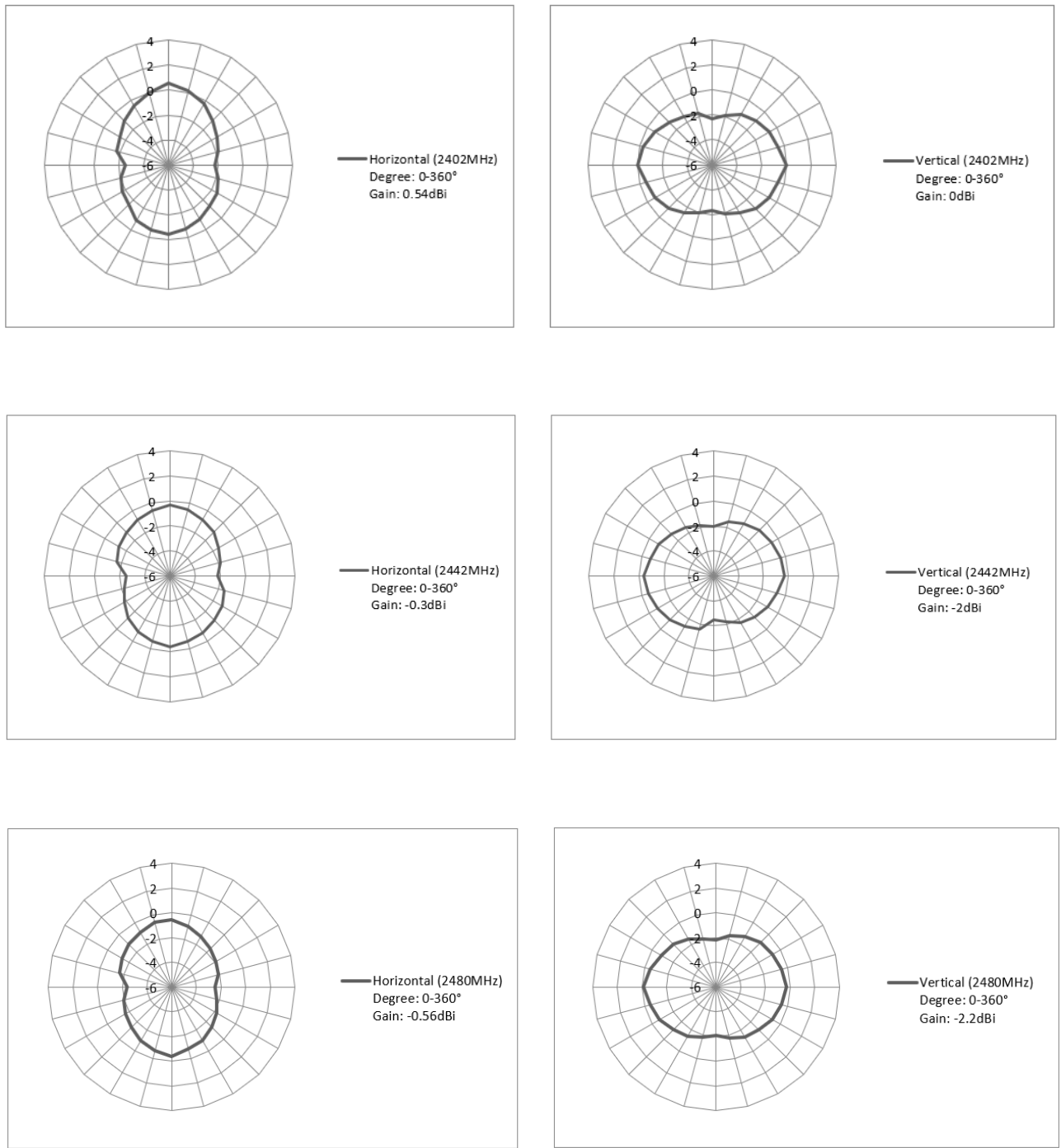


## 2. OTA Test

### 2.1 Gain

| Frequency | Peak Gain (dBi) | Polarity   |
|-----------|-----------------|------------|
| 2402MHz   | 0.54            | Horizontal |
| 2402MHz   | 0               | Vertical   |
| 2442MHz   | -0.3            | Horizontal |
| 2442MHz   | -2              | Vertical   |
| 2480MHz   | -0.56           | Horizontal |
| 2480MHz   | -2.2            | Vertical   |

2.2 Radiation Pattern View



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