

# Antenna Test Report

**Report No.** : SSP24050303-2A

**Manufacturer** : Shenzhen Ulanzi Technology Co.,Ltd.

**Product Name** : 2.4GHz Antenna

**Model Name** : AL120

**Test Standard** : IEEE 149-1979

**Tested Date** : 2024-05-29

**Issued Date** : 2024-05-31

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

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




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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:	Shenzhen Ulanzi Technology Co.,Ltd.
Address of Manufacturer:	A1703, Building A, Galaxy World, No.1 Yabao Road, Bantian Street, Longgang District, Shenzhen, China
Product Name:	2.4GHz Antenna
Model Name:	AL120
Frequency Range:	2402MHz - 2480MHz
Type of Antenna:	PCB Antenna
Antenna Gain:	0dBi (Max.)
Impedance:	50 ohm
Antenna View:	<p style="text-align: center;">Length * Width (12mm * 3mm)</p> 

## 1.2 Test Facilities

Laboratory Name:	<p><b>Shenzhen CCUT Quality Technology Co., Ltd.</b>                  1F, Building 35, Changxing Technology Industrial Park, Yutang Street, Guangming District, Shenzhen, Guangdong, China</p>
<p>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.</p>	

### 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

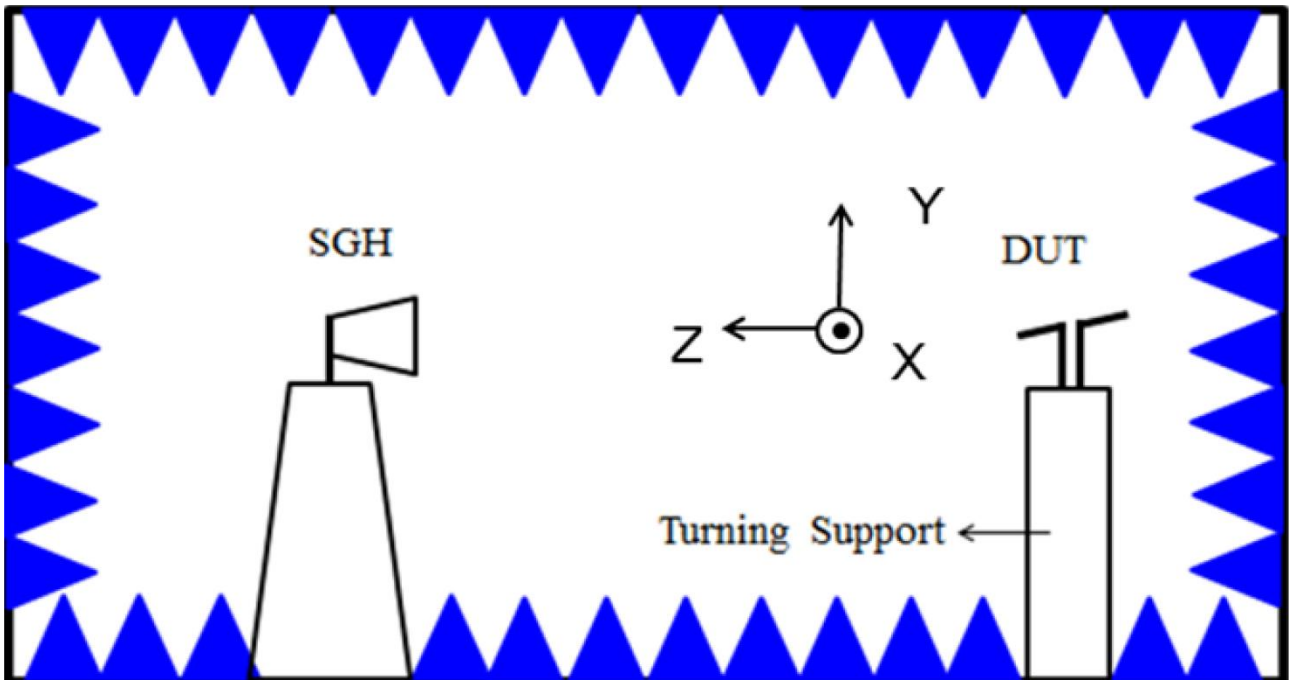
### 1.4 Measurement Uncertainty

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

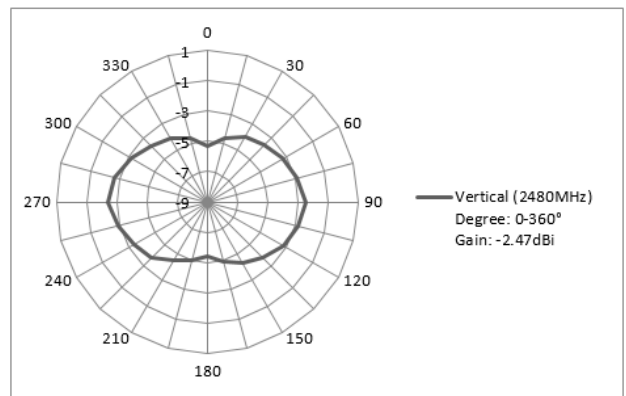
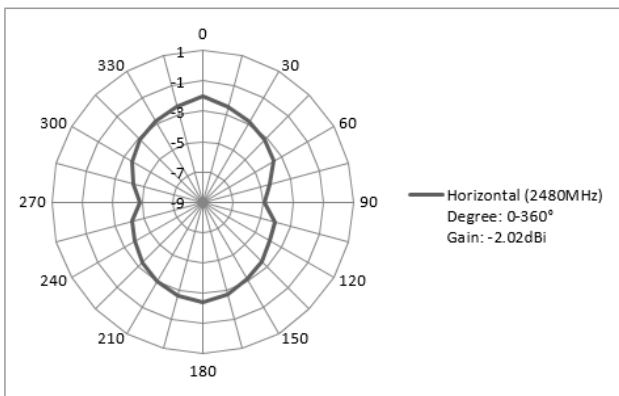
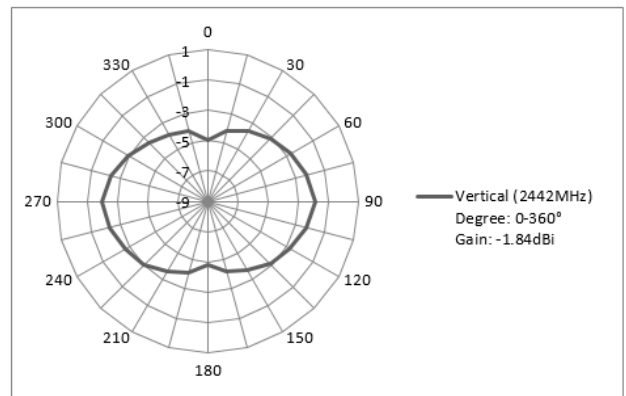
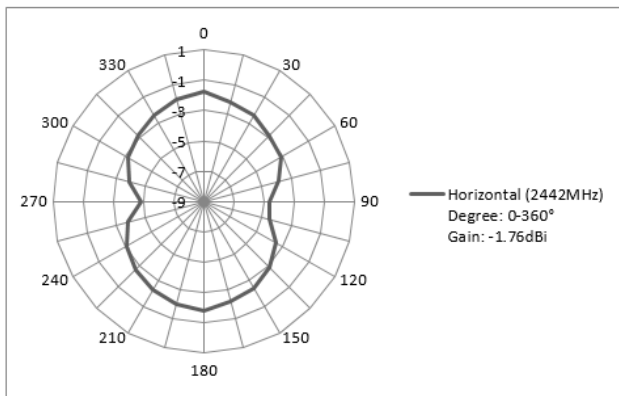
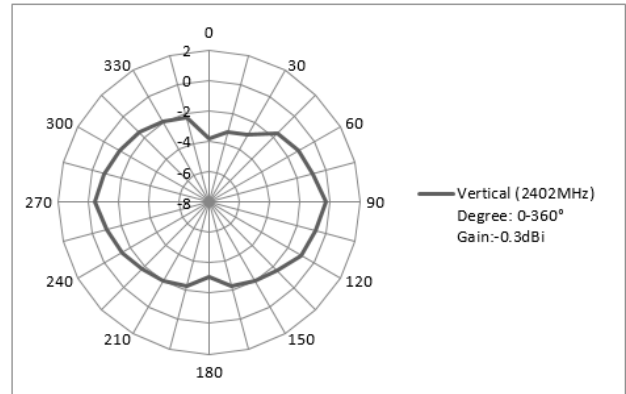
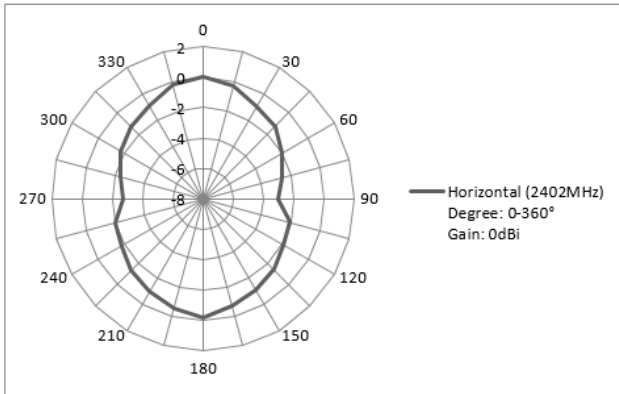


## 2. OTA Test

### 2.1 Gain

Frequency	Peak Gain (dBi)	Polarity
2402MHz	0	Horizontal
2402MHz	-0.3	Vertical
2442MHz	-1.76	Horizontal
2442MHz	-1.84	Vertical
2480MHz	-2.02	Horizontal
2480MHz	-2.47	Vertical

### 2.2 Radiation Pattern View



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