

Antenna Test Report

Test Standard: IEEE 149-1979

Manufacturer: Shenzhen xinhaihui Electronic Co., Ltd.

Product Name: 2.4GHz Antenna

Model: W300

Report No.: SSP22120005A

Tested Date: 2022-11-27

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Note: This test report is limited to the above client company and the product model only. It may not be duplicated without prior permission by Shenzhen ZRLK Testing Technology Co., Ltd.

1. General Information

1.1 Product Information

Manufacturer	
Manufacturer:	Shenzhen xinhaihui Electronic Co., Ltd.
Address of Manufacturer:	401, F4, Bldg. 67, Zhongwu New Industrial Park Zhongwu Dist., Hangcheng St., Bao'an Dist., Shenzhen, China

General Description of Antenna	
Product Name:	2.4GHz Antenna
Model No.:	W300
Frequency Range:	2400MHz-2483.5MHz
Type of Antenna:	PCB Antenna
Antenna Gain:	0dBi (Max.)
Impedance:	50 ohm

Antenna View (14mm*5mm)

A photograph showing a close-up view of a printed circuit board (PCB) antenna. The antenna is a compact, rectangular structure with a gold-colored finish. It features a central vertical element and two horizontal arms extending from the sides, each ending in a small square cutout. The overall dimensions are 14mm in width and 5mm in height.

1.2 Test Methodology

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

1.3 Test Facilities

Testing Lab: Shenzhen ZRLK Testing Technology Co., Ltd.
All measurement facilities used to collect the measurement data are located at 1F, No. 35 Building, Changxing Technology Industrial Park, Yutang Street, Guangming New District, Shenzhen City, Guangdong Province, China

2. OTA Test

2.1 Gain

Frequency	Peak Gain (dBi)	Polarity
2402MHz	0	Horizontal
2402MHz	-0.79	Vertical
2442MHz	-1.58	Horizontal
2442MHz	-1.96	Vertical
2480MHz	-2.26	Horizontal
2480MHz	-2.87	Vertical

2.2 Radiation Pattern View



