

Antenna Test Report

Test Standard: IEEE 149-1979

Manufacturer: Shenzhen Hongjiayi Electronics Co., Ltd.

Product Name: 2.4GHz Antenna

Model: BA503

Report No.: SSP23060050A

Tested Date: 2023-06-01

Issued Date: 2023-06-02

Tested By: William Liu (Engineer)

Approved By: Lahm Peng (Manager)

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Prepared By:

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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 permitted by Shenzhen ZRLK Testing Technology Co., Ltd.

1. General Information

1.1 Product Information

Manufacturer	
Manufacturer:	Shenzhen Hongjiayi Electronics Co., Ltd.
Address of Manufacturer:	3rd Flr, Blg B, Shajing West Industrial Park, Bao'an District, Shenzhen, 518000 China

General Description of Antenna	
Product Name:	2.4GHz Antenna
Model No.:	BA503
Frequency Range:	2400MHz-2483.5MHz
Type of Antenna:	PCB Antenna
Antenna Gain:	0dBi (Max.)
Impedance:	50 ohm
Antenna View (8mm*3mm)	
	

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	-0.68	Vertical
2442MHz	-1.06	Horizontal
2442MHz	-1.48	Vertical
2480MHz	-1.93	Horizontal
2480MHz	-2.54	Vertical

2.2 Radiation Pattern View

