

Antenna Test Report

Test Standard: IEEE 149-1979

Manufacturer: Wuhan Woncan Construction Technologies Co. Ltd

Product Name: 2.4GHz Antenna

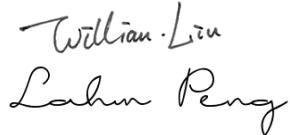
Model: LiteSurvey GPS

Report No.: SSP24030173A

Tested Date: 2024-03-20

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Tested By: William Liu (Engineer)



Approved By: Lahm Peng (Manager)



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 permission by Shenzhen ZRLK Testing Technology Co., Ltd.

1. General Information

1.1 Product Information

Manufacturer	
Manufacturer:	Wuhan Woncan Construction Technologies Co. Ltd
Address of Manufacturer:	Guanggu Software ParkPhase 4 Building E3 Room 1704, Wuhan, Hubei,
	China

General Description of Antenna	
Product Name:	2.4GHz Antenna
Model No.:	LSG-5840
Frequency Range:	2400MHz-2483.5MHz
Type of Antenna:	Quadrifilar Helix Antenna
Antenna Gain:	1.69dBi (Max.)
Impedance:	50 ohm

Antenna View (80mm*40mm)



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	1.69	Horizontal
2402MHz	1.54	Vertical
2442MHz	-0.06	Horizontal
2442MHz	-0.47	Vertical
2480MHz	-0.33	Horizontal
2480MHz	-0.66	Vertical

2.2 Radiation Pattern View

