

Antenna Test Report

Test Standard: IEEE 149-1979

Manufacturer: THINKCAR TECH CO., LTD

Product Name: Wi-Fi Antenna

Model: ESP-12F

Report No.: SSP23020068A

Tested Date: 2023-03-01

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Tested By: William Liu (Engineer)

Approved By: Lahm Peng (Manager)

William Liu
Lahm Peng

Prepared By:

Shenzhen ZRLK Testing Technology Co., Ltd.

1F, No. 35 Building, Changxing Technology Industrial Park, Yutang Street,
Guangming New District, Shenzhen City, Guangdong Province, China

Tel.: +86-755-33019599

Fax.: +86-755-33019599


Website: www.zrlklab.com

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:	THINKCAR TECH CO., LTD
Address of Manufacturer:	2606, building 4, phase II, Tianan Yungu, Gangtou community, Bantian, Longgang District, Shenzhen

General Description of Antenna	
Product Name:	Wi-Fi Antenna
Model No.:	ESP-12F
Frequency Range:	2412MHz-2462MHz
Type of Antenna:	PCB Antenna
Antenna Gain:	0dBi (Max.)
Impedance:	50 ohm
Antenna View (15mm*5mm) 	

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
2412MHz	0	Horizontal
2412MHz	-0.43	Vertical
2437MHz	-0.74	Horizontal
2437MHz	-1.12	Vertical
2462MHz	-1.53	Horizontal
2462MHz	-1.77	Vertical

2.2 Radiation Pattern View

