

# Antenna Test Report

**Test Standard:** IEEE 149-1979

**Manufacturer:** Dongguan Shuangjun Electronics Co., Ltd

**Product Name:** 2.4GHz Antenna

**Model:** S528

**Report No.:** SSP23090122A

**Tested Date:** 2023-08-08

**Issued Date:** 2023-08-09

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

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

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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:            | Dongguan Shuangjun Electronics Co., Ltd                          |
| Address of Manufacturer: | No. 18 Zongdui Road, Dalingshan Town, Dongguan, Guangdong, China |
|                          |  |

| General Description of Antenna  |                   |
|---|-------------------|
| Product Name:   | 2.4GHz Antenna    |
| Model No.:  | S528              |
| Frequency Range:  | 2400MHz-2483.5MHz |
| 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   |
|-----------|-----------------|------------|
| 2402MHz   | 0               | Horizontal |
| 2402MHz   | -0.34           | Vertical   |
| 2441MHz   | -1.19           | Horizontal |
| 2441MHz   | -1.12           | Vertical   |
| 2480MHz   | -1.27           | Horizontal |
| 2480MHz   | -2.04           | Vertical   |

### 2.2 Radiation Pattern View

