

# Antenna Test Report

**Test Standard:** IEEE 149-1979

**Manufacturer:** Dongguan S-King insoles Limited

**Product Name:** 2.4GHz Antenna

**Model:** MWUS09

**Report No.:** SSP23040120A

**Tested Date:** 2023-03-11

**Issued Date:** 2023-03-13

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## 1. General Information

### 1.1 Product Information

<b>Manufacturer</b>	
Manufacturer:	Dongguan S-King insoles Limited
Address of Manufacturer:	Floor 1, Build 2, Industrial Park No.10, Yizhan Road, Yuanwubian, Nancheng, Dongguan, China

<b>General Description of Antenna</b>	
Product Name:	2.4GHz Antenna
Model No.:	MWUS09
Frequency Range:	2400MHz-2483.5MHz
Type of Antenna:	PCB Antenna
Antenna Gain:	0dBi (Max.)
Impedance:	50 ohm

Antenna View (12mm\*4mm)



### 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

<b>Testing Lab: Shenzhen ZRLK Testing Technology Co., Ltd.</b>
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	-1.09	Vertical
2442MHz	-1.79	Horizontal
2442MHz	-2.34	Vertical
2480MHz	-2.90	Horizontal
2480MHz	-3.47	Vertical

### 2.2 Radiation Pattern View



