

# **Antenna Test Report**

Test Standard: <u>IEEE 149-1979</u>

Manufacturer: Sound Tide Electronics (DongGuan) Co., Limited.

Product Name: <u>2.4GHz Antenna</u>

Model: <u>ES43-SS-TA</u>

Report No.: SSP22110106A

**Tested Date:** <u>2022-11-10</u>

**Issued Date**: <u>2022-11-15</u>

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 permitted by Shenzhen ZRLK Testing Technology Co., Ltd.

Antenna Test Report Page 1 of 4

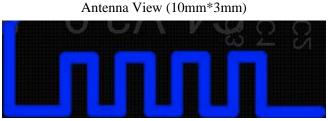


# 1. General Information

#### 1.1 Product Information

Manufacturer		
Manufacturer:	Sound Tide Electronics (DongGuan) Co., Limited.	
Address of Manufacturer:	401, No.12 Ditang Lane, Dapianmei Village, Dalingshan Town,	
	Dongguan, Guangdong, 523820, China.	

General Description of Antenna		
Product Name:	2.4GHz Antenna	
Model No.:	ES43-SS-TA	
Frequency Range:	2400MHz-2483.5MHz	
Type of Antenna:	PCB Antenna	
Antenna Gain:	0dBi (Max.)	
Impedance:	50 ohm	
177 (10 40 )		



# 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

Antenna Test Report Page 2 of 4

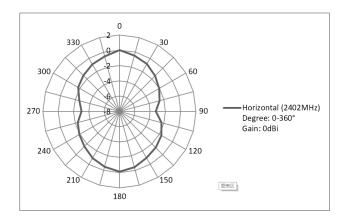


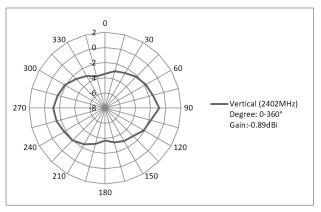
# 2. OTA Test

## **2.1 Gain**

Frequency	Peak Gain (dBi)	Polarity
2402MHz	0	Horizontal
2402MHz	-0.89	Vertical
2442MHz	-1.68	Horizontal
2442MHz	-2.16	Vertical
2480MHz	-2.33	Horizontal
2480MHz	-2.95	Vertical

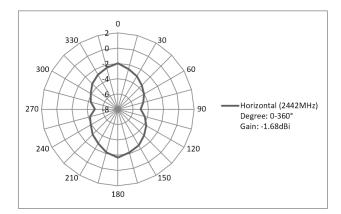
# 2.2 Radiation Pattern View

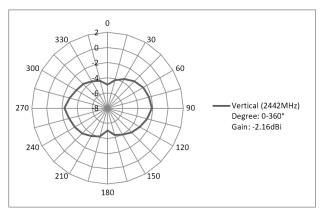


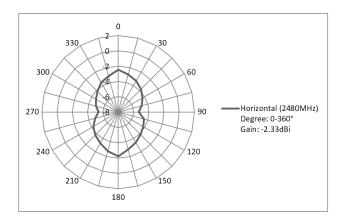


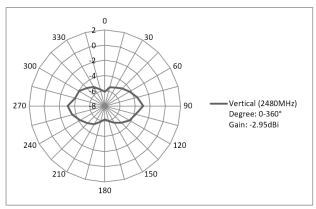
Antenna Test Report Page 3 of 4











Antenna Test Report Page 4 of 4