

# **Antenna Test Report**

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

Manufacturer: THINKCAR TECH CO., LTD

Product Name: <u>BT/Wi-Fi Antenna</u>

Model: TKED1

Report No.: SSP23020067A

**Tested Date:** <u>2023-03-01</u>

**Issued Date:** <u>2023-03-03</u>

Tested By: William Liu (Engineer)

Approved By: <u>Lahm Peng (Manager)</u>

**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.

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## 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:	BT/Wi-Fi Antenna	
Model No.:	TKED1	
Frequency Range:	2400MHz-2483.5MHz, 5745MHz-5825MHz	
Type of Antenna:	PIFA Antenna	
Antenna Gain:	2.4G: 3.3dBi (Max.), 5G: 0dBi (Max.)	
Impedance:	50 ohm	
Antenna View (115mm*10mm)		

## 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

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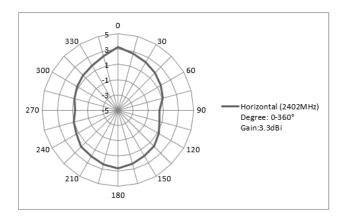


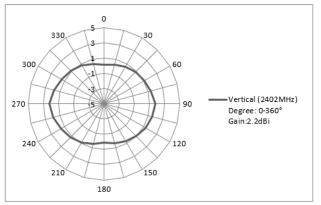
# 2. OTA Test

#### **2.1 Gain**

Frequency	Peak Gain (dBi)	Polarity
2402MHz	3.3	Horizontal
2402MHz	2.2	Vertical
2442MHz	0.86	Horizontal
2442MHz	0.43	Vertical
2480MHz	-0.23	Horizontal
2480MHz	-0.58	Vertical
5775MHz	0	Horizontal
5775MHz	-0.86	Vertical

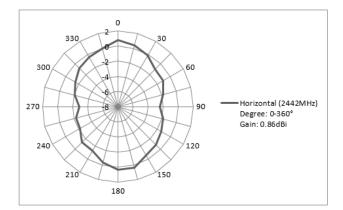
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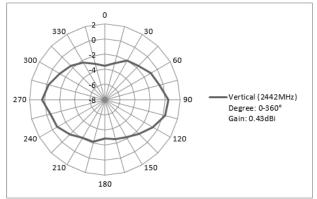


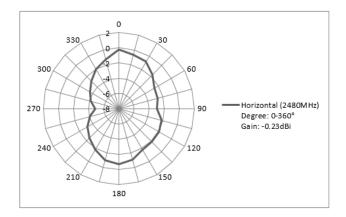


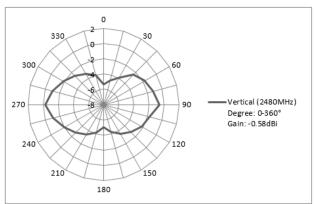
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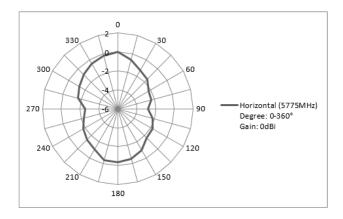


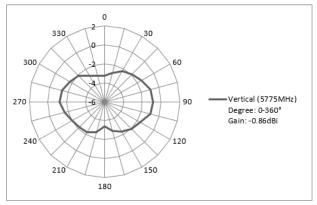












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