

Antenna Test Report

Test Standard: IEEE 149-1979

Manufacturer: Shenzhen Kingbolen Electrics Technology Co., Ltd.

Product Name: BT/Wi-Fi Antenna

Model: K7

Report No.: SSP22110091A

Tested Date: 2022-09-16

Issued Date: 2022-09-17

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

Approved By: Lahm Peng (Manager) *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: | Shenzhen Kingbolen Electrics Technology Co., Ltd. |
| Address of Manufacturer: | B1020-1028 Yousong Technology Building, 1st Donghuan Rd., Longhua |
| | Dist., Shenzhen, China |

| General Description of Antenna | |
|---|------------------------------------|
| Product Name: | BT/Wi-Fi Antenna |
| Model No.: | K7 |
| Frequency Range: | 2400MHz-2483.5MHz, 5180MHz-5825MHz |
| Type of Antenna: | FPCB Antenna |
| Antenna Gain: | 2.4G: 0dBi (Max.), 5G: 0dBi (Max.) |
| Impedance: | 50 ohm |
| Antenna View (33mm*10mm) | |
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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. |
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| 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 | -0.53 | Vertical |
| 2442MHz | -1.2 | Horizontal |
| 2442MHz | -1.5 | Vertical |
| 2480MHz | -1.84 | Horizontal |
| 2480MHz | -1.96 | Vertical |
| 5210MHz | 0 | Horizontal |
| 5210MHz | -0.84 | Vertical |
| 5775MHz | 0 | Horizontal |
| 5775MHz | -1.32 | Vertical |

2.2 Radiation Pattern View

