

King Electrical Manufacturing Company

TEST REPORT

Model:

KRFR-24V

REPORT NUMBER

240800019THC-001

ISSUE DATE

Sep. 20, 2024

PAGES

5

DOCUMENT CONTROL NUMBER

GFT-OP-10h (28-Nov-2018)

© 2020 Intertek



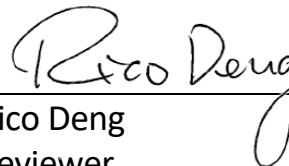
TEST REPORT

RF Exposure Evaluation Report

Applicant:	King Electrical Manufacturing Company 9131 10th Avenue, South Seattle, WA 98108 USA
Product:	Wireless PTAC controller
Model No.:	KRFR-24V
FCC ID:	2BH5BKFR-24V
Test Method/ Standard:	47 CFR FCC 1.1310 KDB 447498 D01 V06
Test By:	Intertek Testing Services Taiwan Ltd., Hsinchu Laboratory No. 17, Ln. 246, Niupu S. Rd., Xiangshan Dist, Hsinchu City 300075, Taiwan



Zero Chen
Engineer



Rico Deng
Reviewer

This report is for the exclusive use of Intertek's Client and is provided pursuant to the agreement between Intertek and its Client. Intertek's responsibility and liability are limited to the terms and conditions of the agreement. Intertek assumes no liability to any party, other than to the Client in accordance with the agreement, for any loss, expense or damage occasioned by the use of this report. Only the Client is authorized to permit copying or distribution of this report and then only in its entirety. Any use of the Intertek name or one of its marks for the sale or advertisement of the tested material, product or service must first be approved in writing by Intertek. The observations and test results in this report are relevant only to the sample tested. This report by itself does not imply that the material, product, or service is or has ever been under an Intertek certification program.

Revision History

Report No.	Issue Date	Revision Summary
240800019THC-001	Sep. 20, 2024	Original report

Table of Contents

1. General Information	4
1.1 Identification of the EUT	4
1.2 Antenna description	4
2. RF Exposure Test Exemptions	5
3. Test results.....	5

1. General Information**1.1 Identification of the EUT**

Product:	Wireless PTAC controller
Model No.:	KRFR-24V
Operating Frequency:	915.055MHz
Rating:	1. AC 24V, 50-60Hz 2. DC 24V
Power Cord:	N/A
Sample receiving date:	2024/08/02
Sample condition:	Workable
Test Date(s):	2024/09/11

1.2 Antenna description

Antenna Gain : 2.5 dB ± 2dB
Antenna Type : Monopole Antenna
Connector Type : Fixed

TEST REPORT

2. RF Exposure Test Exemptions

1-mW Test

ExemptionPer § 1.1307(b)(3)(i)(A), a single RF source is exempt RF device (from the requirement to show data demonstrating compliance to RF exposure limits, as previously mentioned) if the available maximum time-averaged power is no more than 1 mW, regardless of separation distance. This exemption applies to all operating configurations and exposure conditions, for the frequency range 100 kHz to 100 GHz, regardless of fixed, mobile, or portable device exposure conditions. This is a standalone exemption, and it cannot be applied in conjunction with any other test exemption.

3. Test results

Temperature:	24	°C
Relative Humidity:	64	%
Test Date:	2024/09/11	

Mode	Frequency (MHz)	Antenna Gain (mW)	Output power (dBm)	Output power (mW)	Tune-up Power Tolerance (dB)	Max Tune-up Power (dBm)	Max Tune-up Power (mW)	Power density (mW/cm ²)	Limit (mW/cm ²)
FSK	915.055	2.82	4.12	2.58	2.00	6.12	4.09	0.002	0.61

The Notice in Installation Manual has been stated as below:

While installing and operating this transmitter, the radio frequency exposure limit of 1 mW/ (cm²) may be exceeded at distances close to the transmitter. Therefore, the user must maintain a minimum distance of 20 cm from the device at all time.