

King Electrical Manufacturing Company

TEST REPORT

Model:

KRFTP-B

REPORT NUMBER

240800152THC-001

ISSUE DATE

Oct. 24, 2024

PAGES

5

DOCUMENT CONTROL NUMBER

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

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RF Exposure Evaluation Report

| | |
|-------------------------------|---|
| Applicant: | King Electrical Manufacturing Company 9131 10th Avenue South Seattle,WA 98108 USA |
| Product: | RF THERMOSTAT |
| Model No.: | KRFTP-B |
| FCC ID: | 2BH5BKRFTP-B |
| Test Method/ Standard: | 47 CFR FCC 1.1310 KDB 447498 D04 |
| Test By: | Intertek Testing Services Taiwan Ltd., Hsinchu Laboratory No. 17, Ln. 246, Niupu S. Rd., Xiangshan Dist, Hsinchu City 300075, Taiwan |



Rich Nien

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Engineer

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Reviewer

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Revision History

| Report No. | Issue Date | Revision Summary |
|------------------|---------------|------------------|
| 240800152THC-001 | Oct. 24, 2024 | Original report |

Table of Contents

| | |
|--------------------------------------|---|
| 1. General Information | 4 |
| 1.1 Identification of the EUT | 4 |
| 1.2 Antenna description | 4 |
| 1.3 Peripherals equipment | 4 |
| 2. RF Exposure Test Exemptions | 5 |
| 3. Test results..... | 5 |

1. General Information

1.1 Identification of the EUT

| | |
|------------------------|-------------------------|
| Product: | RF THERMOSTAT |
| Model No.: | KRFTP-B |
| Operating Frequency: | 915.055 MHz |
| Channel Number: | Single channel |
| Rating: | DC 3V |
| Power Cord: | N/A |
| Sample receiving date: | 2024/10/09 |
| Sample condition: | Workable |
| Test Date(s): | 2024/10/17 ~ 2024/10/22 |

1.2 Antenna description

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

1.3 Peripherals equipment

| Peripherals | Brand | Model No. | Serial No. | Description of Data Cable |
|-------------|-----------|-----------|------------|---------------------------|
| Battery*2 | Panasonic | ALKALINE | N/A | N/A |

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

| 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) | Distance (cm) |
|------|-----------------|-------------------|--------------------|-------------------|------------------------------|-------------------------|------------------------|-------------------------------------|-----------------------------|---------------|
| FSK | 915.055 | 2.82 | 0.86 | 1.22 | 2.00 | 2.86 | 1.93 | 0.001 | 0.61 | 20 |