

King Electrical Manufacturing Company

TEST REPORT

Model:

KRF-WINDOW-SENSOR

REPORT NUMBER

240800153THC-001

ISSUE DATE

Oct. 24, 2024

PAGES

5

DOCUMENT CONTROL NUMBER

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

© 2020 Intertek



RF Exposure Evaluation Report

Applicant:	King Electrical Manufacturing Company 9131 10th Avenue South Seattle,WA 98108 USA
Product:	WINDOW/DOOR SENSOR
Model No.:	KRF-WINDOW-SENSOR
FCC ID:	2BH5BKRF-WIN-SENSOR
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

Rich Nien
Engineer

Zero chen

Zero Chen
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
240800153THC-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:	WINDOW/DOOR SENSOR
Model No.:	KRF-WINDOW-SENSOR
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:	Special shaped 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	0.88	1.22	2.00	2.88	1.94	0.001	0.61	20