

TEST REPORT

Product Name : RF Remote Transmitter
Model Number : 6006041
FCC ID : 2BEK8-6006041

Prepared for : Lamplight Farms, Inc.
Address : W140 N4900 Lilly Road Menomonee Falls, WI 53051 USA

Prepared by : EMTEK (NINGBO) CO., LTD.
Address : No. 8, Building 8, Lane 216, Qingyi Road, Ningbo Hi-Tech
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Report Number : ENB2404260039W00102R
Date(s) of Tests : April 26, 2024 to May 09, 2024
Date of Issue : May 17, 2024

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Test Report Description

Applicant : Lamplight Farms, Inc.
Address : W140 N4900 Lilly Road Menomonee Falls, WI 53051 USA
Manufacturer : Lamplight Farms, Inc.
Address : W140 N4900 Lilly Road Menomonee Falls, WI 53051 USA
EUT : RF Remote Transmitter
Model Name : 6006041
Trademark : TIKI Brand

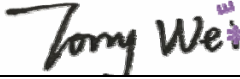
The device described above is tested by EMTEK (NINGBO) CO., LTD. to determine the maximum emission levels emanating from the device and the severe levels of the device can endure and its performance criterion. This report shows the EUT to be technically compliant with the FCC 1.1310 and KDB 447498 D01 General RF Exposure Guidance v07 requirements. The test results are contained in this report and EMTEK (NINGBO) CO., LTD. is assumed full responsibility for the accuracy and completeness of these tests.

This report applies to above tested sample only and shall not be reproduced in part without written approval of EMTEK (NINGBO) CO., LTD.

Date of Test : April 26, 2024 to May 09, 2024

Prepared by : 
June Gao/Engineer

Reviewer : 
Lucas Xu/Supervisor

Approved & Authorized Signer : 
Tony Wei/Manager



Modified Information

Version	Report No.	Revision Date	Summary
/	ENB2404260039W00102R	/	Original Report



1. Facilities And Accreditations

1.1. Test Facility

All measurement facilities used to collect the measurement data are located at

No. 8, Building 8, Lane 216, Qingyi Road, Ningbo Hi-Tech Zone, Ningbo, Zhejiang, China

The sites are constructed in conformance with the requirements of ANSI C63.7, ANSI C63.4 and CISPR Publication 32.

1.2. LABORATORY ACCREDITATIONS AND LISTINGS

Site Description
EMC Lab.

: **Accredited by CNAS**

The Certificate Registration Number is L6666.

The Laboratory has been assessed and proved to be in compliance with
CNAS-CL01:2018 (identical to ISO/IEC 17025:2017)

Designation by FCC

Designation Number: CN1354

Test Firm Registration Number: 427606

Accredited by A2LA

The Certificate Number is 4321.03.

The certificate is valid until May 31, 2025

Designation by Industry Canada

The Conformity Assessment Body Identifier is CN0114

Name of Firm

: EMTEK (NINGBO) CO., LTD.

Site Location

: No. 8, Building 8, Lane 216, Qingyi Road, Hi-Tech Zone, Ningbo,
Zhejiang, China

2. General Product Information

Characteristics	Description
Product:	RF Remote Transmitter
Model Number:	6006041
Sample Number:	ENB2404260039W001-1-1
Modulation:	OOK
Operating Frequency:	433.88MHz
Number of Channels:	1 channel
Max Transmit Power:	68.76 dBuV/m
Antenna Type :	PCB Antenna
Antenna Gain:	-1.62 dBi
Power supply:	DC 3V
Temperature Range:	-10°C ~ +40°C
Date of Received:	April 26, 2024

Note: for more details, please refer to the User's manual of the EUT.

3. Test Results

Maximum measured transmitter power:
 $EIRP = E + 20 \log(d) - 104.7 = 68.76 + 9.54 - 104.7 = -26.4 \text{ dBm}$

Transmit Frequency (MHz)	Mode	EIRP Power (dBm)	tune up maximum power(dBm)	Result calculation	1-g SAR
433.88	OOK	-26.4 dBm	-14.0	0.0008	3

Conclusion:
 For the max result : $0.0008 \leq 3.0$ for 1-g SAR.

*** End of Report ***



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Objections shall be raised within 20 days from the date receiving the report.