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Test Report

Prepared for: Solar Roadways

Model: Solar Panel
Name: Solar Panel with LEDs for Roadway
Serial Number: SR050

FCC ID: 2A2MS-SR046

To

FCC Part 2.1093

Date of Issue: 4 January 2022

On the behalf of the applicant:

6-Solar Roadways
721 Pine St.
Standpoint, ID 83864

Attention of:

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Project No: p2130002

Afzal Fazal
Project Test Engineer

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Test Report Revision History

Revision	Date	Revised By	Reason for Revision
1.0	4 January 2022	Afzal Fazal	Original Document

ANAB

Compliance Testing, LLC, has been accredited in accordance with the recognized International Standard ISO/IEC 17025:2017. This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management system (refer to the joint ISO-ILAC-IAF Communiqué dated January 2009).

The tests results contained within this test report all fall within our scope of accreditation, unless noted below.

Please refer to <http://www.compliancetesting.com/labscope.html> for current scope of accreditation.



FCC Site Reg. #349717

IC Site Reg. #2044A-2

Non-accredited tests contained in this report:

N/A

EUT Description

Model: Solar Panel

Description: Solar Panel with LEDs for Roadway

Firmware: 255.255.8.0.4.1.2.11

Software: Peer2Peer – Router Endpoint

Serial Number: SR050

Transmitter Description

Protocol: Zigbee & IEEE 801.15.4

Frequency Range: 2405 – 2480 MHz

Antenna Type: JTI Chip Antenna

Antenna Gain: 3.0 dBi typ. (XZ-V)

Grant Output Power: 0.00040 W (Conducted)

RF Exposure Test Exemption for Single Source

KDB 447498 D01 v07 DRAFT 20 April 2021

2.1.2 1-mW Test Exemption

Per §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.

EUT Maximum Conducted output with Tune Up Tolerance: 0.40 mW

Conclusion: EUT is an exempt RF device

END OF TEST REPORT