

## RF Exposure Report

**Report No.:** SA171116C22E

**FCC ID:** 2AGPT-PLR3

**Test Model:** 2AGPT-PLR3

**Received Date:** Mar. 30, 2020

**Date of Evaluation:** Aug. 05, 2020

**Issued Date:** Jul. 29, 2021

**Applicant:** SolarEdge Technologies Ltd

**Address:** 1 HaMada Street Herzeliya 4673335

**Issued By:** Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch  
Lin Kou Laboratories

**Lab Address:** No. 47-2, 14th Ling, Chia Pau Vil., Lin Kou Dist., New Taipei City, Taiwan

**Test Location:** No. 19, Hwa Ya 2nd Rd., Wen Hwa Vil., Kwei Shan Dist., Taoyuan City  
33383, TAIWAN

**FCC Registration /  
Designation Number:** 788550 / TW0003



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### Release Control Record

Issue No.	Description	Date Issued
SA171116C22E	Original Release	Jul. 29, 2021

## 1 Certificate of Conformity

**Product:** Linux communication board

**Brand:** SolarEdge

**Test Model:** 2AGPT-PLR3

**Sample Status:** Mass-production

**Applicant:** SolarEdge Technologies Ltd

**Date of Evaluation:** Aug. 05, 2020

**Standards:** FCC Part 2 (Section 2.1091)

**References Test** KDB 447498 D01 General RF Exposure Guidance v06

**Guidance :**  
IEEE C95.3 -2002

The above equipment has been tested by **Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch**, and found compliance with the requirement of the above standards. The test record, data evaluation & Equipment Under Test (EUT) configurations represented herein are true and accurate accounts of the measurements of the sample's RF characteristics under the conditions specified in this report.

*Lena Wang*  
**Prepared by :** \_\_\_\_\_, **Date:** Jul. 29, 2021  
Lena Wang / Specialist

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**Approved by :** \_\_\_\_\_, **Date:** Jul. 29, 2021  
Dylan Chiou / Senior Project Engineer

## 2 RF Exposure

### 2.1 Limits for Maximum Permissible Exposure (MPE)

Frequency Range (MHz)	Electric Field Strength (V/m)	Magnetic Field Strength (A/m)	Power Density (mW/cm <sup>2</sup> )	Average Time (minutes)
Limits For General Population / Uncontrolled Exposure				
300-1500	...	...	F/1500	30
1500-100,000	...	...	1.0	30

F = Frequency in MHz

### 2.2 MPE Calculation Formula

$$P_d = (P_{out} * G) / (4 * \pi * r^2)$$

where

$P_d$  = power density in mW/cm<sup>2</sup>

$P_{out}$  = output power to antenna in mW

$G$  = gain of antenna in linear scale

$\pi$  = 3.1416

$R$  = distance between observation point and center of the radiator in cm

### 2.3 Classification

The antenna of this product, under normal use condition, is at least 20cm away from the body of the user. So, this device is classified as Mobile Device.

## 3 Calculation Result of Maximum Conducted Power

Function	Frequency Band (MHz)	Max Power (dBm)	Antenna Gain (dBi)	Distance (cm)	Power Density (mW/cm <sup>2</sup> )	Limit (mW/cm <sup>2</sup> )
WLAN	2412~2462	16.51	5	20	0.028	1

Note:

1. The above Antenna information is declared by manufacturer and for more detailed features description, please refer to the manufacturer's specifications, the laboratory shall not be held responsible.
2. Determining compliance based on the results of the compliance measurement, not taking into account measurement instrumentation uncertainty.

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