# RF Exposure Report

**Report No.:** SA190920C01

**FCC ID:** 2AGPT-ENET

**Test Model:** ENET

**Received Date:** Sep. 25, 2019

**Test Date:** Dec. 29, 2020 ~ Jan. 17, 2021

**Issued Date:** Mar. 17, 2021

**Applicant:** SolarEdge Technologies Ltd.

**Address:** 1 HaMada Street Herzeliya 4673335, Israel

**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 |
|---|---|---|
| SA190920C01 | Original release | Mar. 17, 2021 |

## 1    Certificate of Conformity

**Product:** SolarEdge Energy Net

**Brand:** SolarEdge

**Test Model:** ENET

**Sample Status:** Engineering sample

**Applicant:** SolarEdge Technologies Ltd.

**Test Date:** Dec. 29, 2020 ~ Jan. 17, 2021

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

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

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.

**Prepared by :** _____ , **Date:** _____ Mar. 17, 2021 _____

Polly Chien / Specialist

**Approved by :** _____ , **Date:** _____ Mar. 17, 2021 _____

Bruce Chen / 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$^2$) | 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

Pd = (Pout*G) / (4*pi*r$^2$)

where

Pd = power density in mW/cm$^2$

Pout = 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

| Frequency Band (MHz) | Max Average Power (dBm) | Antenna Gain (dBi) | Distance (cm) | Power Density (mW/cm$^2$) | Limit (mW/cm$^2$) |
|---|---|---|---|---|---|
| 906-924 | 19.86 | 3 | 20 | 0.038 | 0.604 |

Note: Determining compliance based on the results of the compliance measurement, not taking into account measurement instrumentation uncertainty.


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