

## RF Exposure Report

**Report No.:** SA171227D04-2

**FCC ID:** PPQIC3V

**Test Model:** EZ-0762-0A32

**Received Date:** Dec. 27, 2017

**Test Date:** Jan. 8 ~ 18, 2018

**Issued Date:** Jan. 22, 2018

**Applicant:** Lite-On Technology Corporation

**Address:** 90, Chien I Road, Chung Ho, Taipei Hsien, Taiwan, R.O.C

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

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



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### Release Control Record

| Issue No.     | Description       | Date Issued   |
|---------------|-------------------|---------------|
| SA171227D04-2 | Original release. | Jan. 22, 2018 |

## 1 Certificate of Conformity

**Product:** Network Board

**Brand:** LITE-ON

**Test Model:** EZ-0762-0A32

**Sample Status:** Engineering sample

**Applicant:** Lite-On Technology Corporation

**Test Date:** Jan. 8 ~ 18, 2018

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

KDB 447498 D01 General RF Exposure Guidance v06

IEEE C95.1-1992

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 EMC characteristics under the conditions specified in this report.

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**Approved by :** Rex Lai, **Date:** Jan. 22, 2018  
Rex Lai / Associate Technical Manager

## 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

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

where

Pd = power density in mW/cm<sup>2</sup>

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**.

## 2.4 Calculation Result Of Maximum Conducted Power

### WLAN

| Frequency Band (MHz) | Max Power (dBm) | Antenna Gain (dBi) | Distance (cm) | Power Density (mW/cm <sup>2</sup> ) | Limit (mW/cm <sup>2</sup> ) |
|----------------------|-----------------|--------------------|---------------|-------------------------------------|-----------------------------|
| 2412-2462            | 17.92           | 2                  | 20            | 0.0195                              | 1                           |

### LTE Band 4

| Frequency Band (MHz)          | EIRP (dBm) | Distance (cm) | Power Density (mW/cm <sup>2</sup> ) | Limit (mW/cm <sup>2</sup> ) |
|-------------------------------|------------|---------------|-------------------------------------|-----------------------------|
| LTE Band 4: 1710MHz ~ 1755MHz | 25.71      | 20            | 0.0741                              | 1                           |

### LTE Band 13

| Frequency Band (MHz)         | ERP (dBm) | EIRP (dBm) | Distance (cm) | Power Density (mW/cm <sup>2</sup> ) | Limit (mW/cm <sup>2</sup> ) |
|------------------------------|-----------|------------|---------------|-------------------------------------|-----------------------------|
| LTE Band 13: 777MHz ~ 787MHz | 20.31     | 22.46      | 20            | 0.0351                              | 0.52                        |

Note: EIRP = ERP + 2.15

### Conclusion:

The formula of calculated the MPE is:

$CPD1 / LPD1 + CPD2 / LPD2 + \dots \text{etc.} < 1$

CPD = Calculation power density

LPD = Limit of power density

$WLAN + LTE \text{ Band } 4 = 0.0195/1 + 0.0741/1 = 0.0936$

Therefore the maximum calculations of above situations are less than the "1" limit.

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