

# FCC RF EXPOSURE REPORT

## FCC ID: RWO-RZ340402

**Project No.** : 2104C003  
**Equipment** : Lighting Module  
**Brand Name** : RAZER  
**Test Model** : RZ34-0402  
**Series Model** : RZ34-0402XXXX-XXXX (X can be 0-9 or A-Z)  
**Applicant** : Razer Inc.  
**Address** : 9 Pasteur, Suite 100, Irvine, CA92618, USA.  
**Manufacturer** : Razer (Asia-Pacific) Pte.,Ltd.  
**Address** : 514 Chai Chee Lane, #07-01-06,Singapore 469029  
**Factory** : RAZER TECHNOLOGY AND DEVELOPMENT (SHENZHEN) CO., LTD.  
**Address** : East Wing, 3rd Floor, Block 2, Phase 1 of Vision Shenzhen Business Park  
Keji South Road, Hi-Tech Industrial Park, Shenzhen 518057, China.  
**Date of Receipt** : Apr. 14, 2021  
**Date of Test** : Apr. 14, 2021 ~ Apr. 29, 2021  
**Issued Date** : May 18, 2021  
**Report Version** : R00  
**Test Sample** : Sample No.: DG2021041463.  
**Standard(s)** : FCC Guidelines for Human Exposure IEEE C95.1 & FCC Part 2.1091  
FCC Title 47 Part 2.1091, OET Bulletin 65 Supplement C

The above equipment has been tested and found compliance with the requirement of the relative standards by BTL Inc.

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Certificate #5123.02

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**REPORT ISSUED HISTORY**

Report Version	Description	Issued Date
R00	Original Issue	May 18, 2021

## 1. TEST FACILITY

The test facilities used to collect the test data in this report is at the location of No.3,Jinshagang 1st Road, Shixia, Dalang Town, Dongguan, Guangdong, China.

BTL's Test Firm Registration Number for FCC: 357015

BTL's Designation Number for FCC: CN1240

## 2. MPE CALCULATION METHOD

Calculation Method of RF Safety Distance:

$$S = \frac{PG}{4\pi r^2} = \frac{EIRP}{4\pi r^2}$$

where:

S = power density

P = power input to the antenna

G = power gain of the antenna in the direction of interest relative to an isotropic radiator

R = distance to the center of radiation of the antenna

Table for Filed Antenna:

Ant.	Brand	P/N	Antenna Type	Connector	Gain (dBi)
1	INPAQ	RFPCA281008IMAB301	PCB	N/A	3.46

Note: The antenna gain is provided by the manufacturer.

**3. TEST RESULTS**

Tune up tolerance(dBm)	
LE	2.4G SRD
≤ 5.00	≤ 5.00

For LE:

Antenna Gain (dBi)	Antenna Gain (numeric)	Max. Peak Output Power (dBm)	Max. Peak Output Power (mW)	Power Density (S) (mW/cm <sup>2</sup> )	Limit of Power Density (S) (mW/cm <sup>2</sup> )	Test Result
3.46	2.218	5.00	3.162	0.00140	1	Complies

For 2.4G SRD:

Antenna Gain (dBi)	Antenna Gain (numeric)	Max. Peak Output Power (dBm)	Max. Peak Output Power (mW)	Power Density (S) (mW/cm <sup>2</sup> )	Limit of Power Density (S) (mW/cm <sup>2</sup> )	Test Result
3.46	2.218	5.00	3.162	0.00140	1	Complies

Note: The calculated distance is 20 cm.  
Output power including tune up tolerance.

**End of Test Report**