

FCC RF EXPOSURE REPORT

FCC ID: RWO-RZ0502470

Project No. : 1804C081
Equipment : 2.1Gaming Speaker
Model : RZ05-02470
Applicant : Razer Inc.
Address : 201 3rd Street, Suite 900, San Francisco, CA
94103,USA

According: : FCC Guidelines for Human Exposure IEEE
C95.1 & FCC Part 2.1091

B T L I N C .

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MPE CALCULATION METHOD:

Calculation Method of RF Safety Distance:

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

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	Model Name	Antenna Type	Connector	Gain(dBi)
1	N/A	AB15XX	PCB antenna	N/A	2.3

TEST RESULTS

EUT :	2.1 Gaming Speaker	Model Name :	RZ05-02470
Temperature :	25 °C	Relative Humidity:	55 %
Test Voltage :	AC 120V/60Hz		

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Antenna Gain (dBi)	Antenna Gain (numeric)	Peak Output Power (dBm)	Peak Output Power (mW)	Power Density (S) (mW/cm ²)	Limit of Power Density (S) (mW/cm ²)	Test Result
2.3	1.6982	3.98	2.5003	0.00085	1	Complies

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Antenna Gain (dBi)	Antenna Gain (numeric)	Peak Output Power (dBm)	Peak Output Power (mW)	Power Density (S) (mW/cm ²)	Limit of Power Density (S) (mW/cm ²)	Test Result
2.3	1.6982	3.84	2.4210	0.00082	1	Complies

Note: the calculated distance is 20 cm.