

FCC RF EXPOSURE REPORT

FCC ID: UFOOPA3201

Project No. : 1409021
Equipment : Wireless USB Adapter
Model : OPA-3201
Applicant : OPTOELECTRONICS CO., LTD.
Address : 4-12-17, Tsukagoshi, Warabi-shi, Saitama Pref.,
335-0002, Japan

According: : FCC Guidelines for Human Exposure IEEE
C95.1

BTL Inc.

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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.	Manufacturer	Model Name	Antenna Type	Connector	Gain(dBi)
1	OPTOELEC TRONICS Co.,Ltd	OPA-3201	PCB	N/A	0.37

GENERAL CONCLUSION:

Maximum measured transmitter power:

OutputPower (dBm)	Output Power (mW)	Limit (mW)
-4.97	0.3	10

According to FCC KDB447498 V05, Appendix A, SAR Test Exclusion Thresholds for 100 MHz – 6 GHz and ≤ 50 mm

The maximum measured output peak power of this EUT is 0.3 mW, less than 10mW at 5mm distance.

Conclusion: No SAR evaluation required since transmitter power is below FCC threshold