

FCC RF EXPOSURE REPORT

FCC ID: UFOOPN4200N

Project No. : 1405026
Equipment : Handy Image Scanner
Model : OPN-4200n
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:

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

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	Model Name	Antenna Type	Connector	Gain(dBi)
1	Panasonic	EBMGH5A245GJ	Chip	N/A	0.5

GENERAL CONCLUSION:

Maximum measured transmitter power:

Output Power (dBm)	Output Power (mW)	Limit (mW)
1.66	1.5	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 1.5 mW, less than 10mW at 5mm distance.

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