

RF Exposure / SAR Statement

No. : 32KE0045-SH-04

Applicant : RICOH COMPANY, LTD.
Type of Equipment : Wireless LAN Module
Model No. : LBWB1ZZWU6
FCC ID : BBP-WLALT01

RICOH COMPANY, LTD. declares that Model : Wireless LAN Module complies with FCC radiation exposure requirement specified in the FCC Rules 2.1091. The "LBWB1ZZWU6" has 20.81 mW of conducted Peak Output power and 15.79 mW of EIRP. This equipment is considered as a mobile device so that SAR testing is excluded. The Following calculation is the reference data for 20cm distance.

RF Exposure Calculations:

The following information provides the minimum separation distance for the highest gain antenna provided with the "LBWB1ZZWU6" as calculated from FCC OET Bulletin 65 Appendix A, Table (B) Limits for General Population / Uncontrolled Exposure. This calculation is based on the highest EIRP possible from the system, considering maximum power and antenna gain, and considering a 1.0mW/cm² uncontrolled exposure limit. The Friis formula used was:

$$S = (P * G) / (4 * \pi * r^2)$$

Where

P = 20.81 mW (Maximum peak output power)
G = 0.76 Numerical Antenna gain; equal -1.20 dBi
r = 20.0 cm

For: LBWB1ZZWU6

$$S = 0.00314 \text{ mW/cm}^2$$

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