

RF Exposure / SAR Statement

No. : 27IE0337-YK-B-R1

Applicant : RICOH COMPANY, LTD
Type of Equipment : Option(s) for Radiocommunications
Model No. : R-WL54MN
FCC ID : BBP-WLRWL541

RICOH COMPANY, LTD declares that Model : Option(s) for Radiocommunications complies with FCC radiation exposure requirement specified in the FCC Rules 2.1091. The "R-WL54MN" has 7.01 mW of conducted Peak Output power and 17.62 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 "R-WL54MN" 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 = 7.01 mW (Maximum peak output power)
G = 2.51 Numerical Antenna gain; equal 4.00 dBi
r = 20.0 cm

For: R-WL54MN

$$S = 0.00351 \text{ mW/cm}^2$$

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