

RF Exposure / SAR Statement

No. : 30GE0098-YK-F-R1

Applicant	:	RICOH COMPANY, LTD.
Type of Equipment	:	Option(s) for Radiocommunications
Model No.	:	R-WL54M1GN
FCC ID	:	BBP-WLRW54G2

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-WL54M1GN" has 111.69 mW of conducted Peak Output power and 222.84 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-WL54M1GN" 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 =	111.69 mW (Maximum peak output power)
G =	2.00 Numerical Antenna gain; equal t 3.00 dBi
r =	20.0 cm

For: R-WL54M1GN

$$S = 0.04433 \text{ mW/cm}^2$$

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