

## **RF Exposure / SAR Statement**

**No. : 30GE0098-YK-C-R1**

**Applicant :** RICOH COMPANY, LTD.  
**Type of Equipment :** Option(s) for Radiocommunications  
**Model No. :** R-WL54M1N  
**FCC ID :** BBP-WLRWL542

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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-WL54M1N" 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-WL54M1N" 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/cm<sup>2</sup> 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 to 3.00 dBi**  
**r = 20.0 cm**

**For: R-WL54M1N**

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

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