

## RF Exposure / SAR Statement

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

<b>Applicant</b>	:	<b>RICOH COMPANY, LTD.</b>
<b>Type of Equipment</b>	:	<b>Option(s) for Radiocommunications</b>
<b>Model No.</b>	:	<b>R-WL54C1N</b>
<b>FCC ID</b>	:	<b>BBP-WLRWL542</b>

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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-WL54C1N" has 16.44 mW of conducted Peak Output power and 41.3 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-WL54C1N" 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

<b>P =</b>	<b>16.44 mW (Maximum peak output power)</b>	
<b>G =</b>	<b>2.51 Numerical Antenna gain; equal to</b>	<b>4.00 dBi</b>
<b>r =</b>	<b>20.0 cm</b>	

**For: R-WL54C1N**

$$S = 0.00822 \text{ mW/cm}^2$$

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