RF Exposure / SAR Statement

No. : 30GE0098-YK-E-R1

Applicant	:	**RICOH COMPANY, LTD.**
Type of Equipment	:	**Option(s) for Radiocommunications**
Model No.	:	**R-WL54C1GN**
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-WL54C1GN" has 155.6 mW of conducted Peak Output power and 195.88 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-WL54C1GN" 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^2 uncontrolled exposure limit. The Friis formula used was:

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

Where

P = 155.60 mW (Maximum peak output power)
G = 1.26 Numerical Antenna gain; equal t 1.00 dBi
r = 20.0 cm

For: R-WL54C1GN **S = 0.03897 mW/cm^2**

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