RF Exposure / SAR Statement

No. : 32GE0206-SH-01-A

Applicant : Ricoh Company, Ltd.
Type of Equipment : Option(s) for Radiocommunications
Model No. : R-CMN-851
FCC ID : BBP-WLCMN01

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-CMN-851" has 351.61 mW of conducted Peak Output power and 1042.46 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-CMN-851" 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 = 351.61 mW (Maximum peak output power)
G = 2.96 Numerical Antenna gain; equal 4.72 dBi
r = 20.0 cm

For: R-CMN-851 **S = 0.20739 mW/cm^2**

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