

## RF Exposure / SAR Statement

**No. : 31AE0180-SH-01-A**

	<b>Applicant</b>	<b>:</b>	<b>RICOH COMPANY, LTD.</b>
	<b>Type of Equipment</b>	<b>:</b>	<b>Wireless LAN Module</b>
	<b>Model No.</b>	<b>:</b>	<b>TDPWLAN02</b>
	<b>FCC ID</b>	<b>:</b>	<b>BBP-WLRGL01</b>

RICOH COMPANY, LTD. declares that Model : Wireless LAN Module complies with FCC radiation exposure requirement specified in the FCC Rules 2.1091. The "TDPWLAN02" has 214.06 mW of conducted Peak Output power and 269.49 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 "TDPWLAN02" 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>214.06</b>	<b>mW (Maximum peak output power)</b>	
<b>G =</b>	<b>1.26</b>	<b>Numerical Antenna gain; equal to</b>	<b>1.00 dBi</b>
<b>r =</b>	<b>20.0</b>	<b>cm</b>	

**For: TDPWLAN02**

**S = 0.05361 mW/cm<sup>2</sup>**

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