

## RF Exposure / MPE Calculation

**No. : 29GE0080-HO-01**

<b>Applicant</b>	:	<b>KYOCERA Corporation</b>
<b>Type of Equipment</b>	:	<b>iBurst USER TERMINAL Desktop TYPE</b>
<b>Model No.</b>	:	<b>UTD-1890F-US-A</b>
<b>FCC ID</b>	:	<b>JOYIUD19AC</b>
<b>IC Number</b>	:	<b>-</b>

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KYOCERA Corporation declares that Model : UTD-1890F-US-A complies with FCC radiation exposure requirement specified in the FCC Rules 2.1091 (for mobile).

### **RF Exposure Calculations:**

The following information provides the minimum separation distance for the highest gain antenna provided with the "UTD-1890F-US-A" 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>389.05 mW (Maximum peak output power)</b>	
<b>G =</b>	<b>2.45 Numerical Antenna gain; equal to</b>	<b>3.90 dBi</b>
<b>r =</b>	<b>20.0 cm</b>	

**For: UTD-1890F-US-A**

$$S = 0.18999 \text{ mW/cm}^2$$