

# **RF Exposure Statement**

## **No. : 22DE0045-YW**

**Applicant : SHARP Corporation**  
**Type of Equipment : Facsimile Equipment**  
**Model No. : UX-CL220 (Base Station)**  
**FCC ID : APYHRO00023**

### **FCC Radiation Exposure Statement:**

Sharp Corporation Facsimile Equipment (UX-CL220: Base Station) complies with FCC radiation exposure requirement specified in the FCC Rules 15.247(b)(4).

### **Notice in Installation Manual**

#### **FCC Radiation Exposure Statement:**

This equipment complies with FCC radiation exposure limits set forth for at uncontrolled equipment.

This equipment should be installed and operated with minimum distance at least 20cm between the radiator and persons body (excluding extremities : hands, wrists, and feet, legs).

### **RF Exposure Calculations:**

The following information provides the minimum separation distance for the highest gain antenna provided with the “Cordless Facsimile (UX-CL220: Base Station)” as calculated from FCC OET 65 Appendix B, 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 1.0m W/cm<sup>2</sup> uncontrolled exposure limit. The Friis formula used was:

$$S = (P * G) / (4 * \pi * r^2) \text{ or } r = \sqrt{(P * G) / (4 * \pi * S)}$$

**Where S = 1.0 mW/cm<sup>2</sup> for 2400 MHz**

**P = 18.2 mW (Maximum Conducted Power)**

**G = 1.64 (Half wave dipole antenna gain : Converted absolute value)**

**r = Minimum safe distance from antenna (cm)**

**For: Facsimile Equipment UX-CL220 (Base Station) r = 1.5 cm**

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