

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/cm² uncontrolled exposure limit. The Fires formula used was:

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

Where S = 1.0 mW/cm² 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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