

RF Exposure Statement

No. : 22IE0025-HO-2

Applicant : SONY Corporation
Type of Equipment : Digital Video Camera Recorder
Model No. : DCR-IP220
FCC ID : AK8DCRIP220

FCC Radiation Exposure Statement:

SONY Corporation Model : DCR-IP220 complies with FCC radiation exposure requirement specified in the FCC Rules 15.247(b)(4).

Notice in Installation Manual

CAUTION

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

To comply with FCC RF exposure requirements, the following antenna installation and device operating configurations must be satisfied:

the antenna has been installed by the manufacturer and no change can be made .

This device and its antenna(s) must not be co-located or operating in conjunction with any other antenna or transmitter.

RF Exposure Calculations:

The following information provides the minimum separation distance for the highest gain antenna provided with the “DCR-IP220” 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 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/cm² for 2400 MHz

P = 0.62mW (Maximum Conducted Power)

G = 1.06 (Antenna gain : Converted absolute value)

r = Minimum safe distance from antenna (cm)

For: DCR-IP220 r = 0.23cm

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