

RF Exposure for Mobile use

No. : 26BE0051-HO-F1

Applicant : Alps Electric Co., Ltd.
Type of Equipment : Label Printer
Model No. : CDPR22
FCC ID : QT5-CDPR22

Alps Electric Co., Ltd. declares that Model : Label Printer complies with FCC radiation exposure requirement specified in the FCC Rules 2.1091. The "CDPR22" has 42.27 mW of conducted Peak Output power and 63.97 mW of EIRP. The Following calculation is the reference data for 20cm distance for mobile use.

RF Exposure Calculations:

The following information provides the minimum separation distance for the highest gain antenna provided with the "CDPR22" 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/cm² uncontrolled exposure limit. The Friis formula used was:

$$S = (P * G) / (4 * \pi * r^2)$$

Where

P = 42.27 mW (Maximum peak output power)
G = 1.51 Numerical Antenna gain; equal 1.80 dBi
r = 20.0 cm

For: CDPR22

$$S = 0.01273 \text{ mW/cm}^2$$