

RF Exposure / SAR Statement

No. : 27HE0060-YK-A

Applicant : Shinsei industries co., ltd.
Type of Equipment : Mobile Printer
Model No. : DP-2
FCC ID : U6BPB000001

Shinsei industries co., ltd. declares that Model : Mobile Printer complies with FCC radiation exposure requirement specified in the FCC Rules 2.1093. The "DP-2" has 0.68 mW of conducted Peak Output power and 1.08 mW of EIRP. This kind of equipment is below 60/frequency[GHz] mW(TCB Exclusion List) so that SAR testing is excluded. The Following calculation is the reference data for 20cm distance.

RF Exposure Calculations:

The following information provides the minimum separation distance for the highest gain antenna provided with the "DP-2" 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 = 0.68 mW (Maximum peak output power)
G = 1.58 Numerical Antenna gain; equal 2.00 dBi
r = 20.0 cm

For: DP-2

$$S = 0.00021 \text{ mW/cm}^2$$