

Industry Canada

Attention: Reviewing Engineer

The **HP DeskJet 995C / C8925A** is a regular Printer **with a built in radio card** using spread spectrum technique for portable applications for wireless connection to PDA's Laptop's etc..

Due to the construction of the Printer and the position of the antenna inside (it's placed on the top of the inside the cover and not accessible to the user) which give a distance under normal operating conditions of more than 20 cm.

This information includes the following: *A minimum separation distance of 20 cm must be maintained between the antenna and the person for this device to satisfy the RF exposure requirements of the FCC.*

The maximum output power allowed for the Bluetooth radio is 100 mW.

Maximum EIRP of the equipment = 5 dBm (0.0032 W); equivalent to 3.08 V/m in 10 cm distance

Regarding MPE limits, GPU environment limits maximum exposure to 1 mW/cm²

The power density is:

at 0.1 meters from an antenna	$S = E^2/3770 = -13 \text{ H}^2 = \mathbf{0.0025 \text{ mW/cm}^2} < 1 \text{ mW/}$
at 0.05 meters from an antenna	$S = E^2/3770 = -13 \text{ H}^2 = \mathbf{0.0102 \text{ mW/cm}^2} < 1 \text{ mW/}$

Where: S = Power density (mW/cm²)
E = electrical field strength (V/m)

Calculations are based on standard formula for calculating field strength at a distance and converting power density using free space impedance.

Compliance is shown for the built in module, which incorporates the antenna on board of the module even for the distance of 5 cm. This is the distance given by the construction (distance between the module and the outer cover of the Printer.

If you should have any questions regarding this submission, please feel free to contact the undersigned.

Yours truly,



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