

Federal Communication Commission
Authorization and Evaluation Division
7435 Oakland Mills Road
Columbia, MD 21046

Attention: Reviewing Engineer

The **3Com WL 306** is a regular 802.11b Wireless LAN Access Point using spread spectrum technique for wireless access of a PC to a LAN.

Due to the construction and the intended use of the of a LAN access Point, the installation should be done as recommended in the manual in a area free from disturbances and this requires 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.*

Maximum EIRP of the equipment = 28.06 dBm (0.640 W); equivalent to 21.9 V/m in 20 cm distance

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

The power density is:

at 20 centimeters from an antenna	$S = E^2 / 3770 = 13 H^2 = 0.1272 \text{ mW/cm}^2 < 1 \text{ mW/cm}^2$
-----------------------------------	--

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 WLAN, which can be equipped with an internal and external antenna with a unique **antenna connector** even for a distance of 20 cm. This is the distance is the lower than the minimum distance recommended by the manufacturer.

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

Yours truly,



Lothar Schmidt
Technical Manager EMC/Radio
CETECOM Inc.