



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

**Attention: Reviewing Engineer**

The **3Com WL 308** 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 2.5 cm.

This information includes the following: *A minimum separation distance of 2.5 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 = 20 dBm (0.0100 W) due to restrictions in several countries;  
equivalent to 8.66 V/m in 20 cm distance and 17.32 V/m in 10 cm distance

The actual EIRP is 15.2 dBm, which is identical to 33.11 mW

Maximum EIRP of the equipment = 15.2 dBm (0.033 W); equivalent to 39.87 V/m in 2.5 cm distance

Regarding MPE limits, GPUC environment limits maximum exposure to 1 mW/cm<sup>2</sup>

The power density is:

at 20 centimeters from an antenna and 100mW	$S = E^2/3770 = 13 \text{ H}^2 = 0.006 \text{ mW/cm}^2 < 1 \text{ mW/cm}^2$
at 10 centimeters from an antenna and 100mW	$S = E^2/3770 = 13 \text{ H}^2 = 0.026 \text{ mW/cm}^2 < 1 \text{ mW/cm}^2$
at 2.5 centimeters from the antenna and 33 mW (15.2 dBm)	$S = E^2/3770 = 13 \text{ H}^2 = 0.421 \text{ mW/cm}^2 < 1 \text{ mW/cm}^2$

Where: S = Power density (mW/cm<sup>2</sup>)  
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 10 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.