August 25, 2003

TCB
TÜV America Inc.
10040 Mesa Rim Rd.
San Diego, CA 92121

Dear Sir or Madam:

The following is the SAR calculation for the Digivance LRCS 1900 MHz System's Remote Unit using the system's maximum RF emission. The calculation is based or FCC 47CFR Part 2 and OET 65.

Per OET 65:
Maximum Permissible Exposure is Freq. (MHz)/1500 = MPE mW/cm^2
1850 MHz/1500= 1.233 mW/cm^2

The following equations determine the distance from the antenna that the power density is $\leq$ 1.233 mW/cm^2.

+46.50dBm Transmitter Power (Max)
13.50dBi Antenna Gain (Max)
46.50dBm + 13.50dBi= +60dBm EIRP
+60dBm EIRP = 1000 Watts EIRP
1000 Watts EIRP = $1000*10^3$ mWatts EIRP

$1.233\ mW/cm^2 = 1000*10^3\ mW/(4*\pi*r^2)$

$r= SQR(1000*10^3/4*\pi\ 1.233)$
r= 254.05 cm or 2.54 Meters

In addition, the following statement will be added to our installation/operation manual:

To comply with Maximum Permissible Exposure (MPE) requirements, the maximum composite output from the antenna cannot exceed 1000 Watts EIRP and the antenna must be permanently installed in a fixed location that provides at least 6 meters (20 feet) of separation from all persons.

Sincerely,

Dave Conyers
Vice President of Engineering
Tele: 952 917-0366
Fax: 952 917-0181