HME

March 21, 2003

TCB
TUV America, Inc.
10040 Mesa Rim Road
San Diego, Ca. 92121

Dear Sir or Madam,

The following is the RF Exposure Calculation of the HS400 Transmitter.

d : Distance between transmitter antenna and the body of user(2cm).
Pdt : Power density at distance "d".
Pter : Effective radiated power of RF transmitter (Max 1mW=0dBm).
f : Highest RF transmitter frequency (469.8875MHz).

Equation:
$Pdt = Pter \div (4\pi d^2) = 1.0 \div (4\pi \times 2^2) \quad 0.02\ (mW/cm^2)$

According to CFR47 Section 1.1310 Table 1:
(A) Maximum Limit for Occupational/Controlled Exposures =
$f \div 300 = 469.8875 \div 300 = 1.57\ (mW/cm^2)$

(B) Maximum Limit for General Population/Uncontrolled Exposure =
$f \div 1500 = 469.8875 \div 1500 = .031\ (mW/cm^2)$

Because the power density derived in the above calculation is well below the limits for Uncontrolled Exposure levels, it is our belief that further SAR measurements are not required.

Sincerely,

Thomas P. Riches
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