



6/07/06

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

Re: SAR Calculation for Awarepoint model T1
Applicant: AwarePoint Corporation

The following is the SAR calculation for the Awarepoint model T1 using the system's maximum RF emission. The calculation is based on FCC47CFR Part 2 and OET 65.

Per OET 65:

Maximum Permissible Exposure is $\text{Freq. (in MHz)}/1500 = \text{MPE mW/cm}^2$

$2400 \text{ MHz}/1500 = 1.6 \text{ mW/cm}^2$

0dBm Transmitter Power (Max)

3dBi Antenna Gain (Max)

$0\text{dBm} + 0\text{dBi} = +3\text{dBm EIRP}$

$+3\text{dBm EIRP} = 2\text{mW EIRP}$

$1.6 \text{ mW/cm}^2 = 2 \text{ mW}/(4*\pi*r^2)$

$r = \sqrt{(2\text{mW}/(4*\pi*1.6 \text{ mW/cm}^2))}$

$r = 0.315 \text{ cm or } 3.15 \text{ mm}$

Since the distance from the surface of the T1 enclosure to the antenna is greater than 3.15mm, it is impossible to violate the SAR limit.

Sincerely,

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