## MPE limit Calculation:

Equation from page 18 of OET 65, Edition 97-01:

## The MPE calculation for OEM card (0.857 W conducted power ) @ 20cm:

```
Ps = PG/4pi*R<sup>2</sup>
= 0.857x5.8/12.566* (0.2)<sup>2</sup>
= 0.857x5.8/12.566x 0.04 = 4.97/ 0.5
= 9.94 W/m<sup>2</sup>

Ps is power density in W/m<sup>2</sup>
G is Antenna gain (5.8)
P is Power into antenna (0.857 W conducted power)
*The power density Ps = 9.94 W/m<sup>2</sup> @ 20cm
Listed MPE limit is 10 W/m<sup>2</sup> (Uncontrolled exposure)
```