

Calculation of EIRP Limit at 345MHz

$$\text{Limit} = 1.31 \times 10^{-2} f^{0.6834} \text{ W} \text{ (f in MHz)}$$

$$\text{Limit} = 1.31 \times 10^{-2} 345^{0.6834} = 0.711 \text{ W}$$

Field strength at 3m = 73.48 dB μ V/m

$$\text{EIRP (dBm)} = \text{Field Strength (dB}\mu\text{V/m)} - 95.23 \text{ dB}$$

$$= 73.48 \text{ dB}\mu\text{V/m} - 95.23 \text{ dB}$$

$$= -21.75 \text{ dBm}$$

$$= 0.0000067 \text{ W}$$

0.0000067 W < 0.711 W; device is exempt from exposure compliance.