

# WOW

Federal Communications Commission  
Authorization and Evaluation Division  
Equipment Authorization Branch  
7435 Oakland Mills Road  
Columbia, MD 21046

### Applicant's declaration concerning RF Radiation Exposure

The antenna(s) used for this mobile transmitter must provide a separation distance of at least 20 cm from all persons and must not be co-located or operating in conjunction with any other antenna or transmitter.

A safety statement concerning minimum separation distance is integrated in the user's manual to provide end-users with transmitter operating conditions for satisfying RF exposure compliance.

The maximum allowed output power is 0.887 W and the maximum gain of the antenna to be used is 0dBi

$$\text{Maximum EIRP} = 29.48 \text{ dBm} + 0 \text{ dBi} = 29.48 \text{ dBm}$$

Power Density at 20 cm is:

$$S = P / 4 \pi r^2 = 0.176 \text{ mW/cm}^2$$

S = Power density (mW/cm<sup>2</sup>)

P = Transmitted power in mW

r = Distance in cm

Limit for General Population/Uncontrolled Exposure according to Supplement C (01-01) to OET Bulletin 65 (97-01) in frequency range 1500 - 100,000 MHz is: 1.0 mW/cm<sup>2</sup>.

The WM1080D keeps the above mentioned limit in mobile and fixed applications.

  
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