FOLLOWIT

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 MRS Transponder is designed to be used as mobile transceiver.

The external antenna 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 will be 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 1Watt and the maximum gain of the antennas to be used is 3dBi.

Maximum EIRP = 30 dBm + 3 dBi = 33 dBm (2 W)

Power Density at 20 cm is:

$S=P/4 \text{ pi } r^2 = 0.398 \text{ mW/cm}^2$

S = Power density (mW/cm^2)
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^2.
The MRS Transponder keeps the above mentioned limit.

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