

RF Exposure / MPE Calculation

No. : 29GE0009-HO-01

Applicant	:	Edmo Distributors, Inc
Type of Equipment	:	VHF AM TRANSCEIVER
Model No.	:	FL-M1000A
FCC ID	:	VOSFL-M1000A
IC Number	:	8258AFLM1000A

Edmo Distributors, Inc declares that Model : FL-M1000A
complies with FCC radiation exposure requirement specified in the FCC Rules 2.1091(for mobile).

RF Exposure Calculations:

The following information provides the minimum separation distance for the highest gain antenna provided with the “FL-M1000A“ as calculated from FCC OET Bulletin 65 Appendix A, Table (B) Limits for General Population / Uncontrolled Exposure. This calculation is based on the highest EIRP possible from the system, considering maximum power and antenna gain, and considering a 0.2mW/cm² controlled exposure limit. The Friis formula used was:

$$r = \sqrt{\frac{PG}{4pS}}$$

Where

P =	9440.61	mW (Maximum output power)	
G =	2.00	Numerical Antenna gain; equal to	3.00 dBi
S =	0.2	mW/cm² (Power density limit)	

For: FL-M1000A

r = 86.57 cm