

October 18, 1993

**UNIVERSITY OF TEXAS AT DALLAS
EXPERIMENTAL LICENSE APPLICATION
Exhibit I**

The University of Texas at Dallas ("UT-Dallas"), hereby requests authorization under Part 5 of the Commission's Rules, 47 C.F.R. § 5.1 et seq. (1991), to operate certain radiotelephone equipment operating on cellular Block A frequencies for educational and research purposes. As discussed below, UT-Dallas' operations will be low power and fully coordinated with Metrocel, the Block A cellular carrier in Dallas, Texas. Accordingly, the operations pose minimal threat of harmful interference. Approval of the requested authorization will permit UT-Dallas engineering students to utilize donated equipment to gain valuable insights into the real world engineering of wireless communications systems.

The educational wireless laboratory at UT-Dallas will consist of one Motorola HD-2 cellular base station transmitter, without a power amplifier, and 2 Motorola DPC-750 "brick" phones. The system will utilize non-standard control channels and, due to the lack of power amplifier, operations necessarily will be limited to the area in and around the engineering building. All other technical aspects of the emissions from the laboratory equipment will conform to the current cellular specifications in Part 22 of the Commission's Rules. 47 C.F.R. § 22.1 et seq. (1992).

Grant of the requested authorization will further the public interest. As discussed above, the authorization will further important educational goals. In addition, the potential for interference with existing cellular services is strictly limited by the low power nature of the system, the use of alternate control channels, and coordination with the Block A carrier in the region.