



AT&T Bell Laboratories

subject:

date: October 11, 1991

from:

EXHIBIT No. 1

1. OVERVIEW

Pursuant to Sections 5.202 (d) and (h) of the Commission's rules, AT&T requests an experimental license for developmental testing of cellular and personal wireless communications equipment operating in the 890-915 MHz, 935-960 MHz, 1.710-1.785 GHz, and 1.805-1.880 GHz frequency range. The equipment to be tested will consist of a base station and portable hand held units. This equipment is not intended for domestic use.

We are researching the area of personal wireless communications and designing equipment suitable for European applications. AT&T will experiment with various European protocols, including GSM, DECT, and CT-2, in the requested portions of the spectrum. This research if successful will provide an entry into the emerging international wireless market. Personal wireless communications and the protocols we wish to explore will play as important a role in the international market as AMPS now plays in the United States. AT&T is requesting a license to perform developmental testing at the AT&T Bell Laboratories facility in Whippany New Jersey.

2. TECHNICAL ASPECTS

AT&T will evaluate the applicability and limitations of various international protocols in the personal communications area. The activity involved is a telephone conversation between a hand held personal transceiver and a relatively close base station. The base station is linked to the local telephone network, allowing the transceiver user to initiate a call to any one linked to that network and to carry on a conversation as long as the subscriber is close enough to the initial base station.



EXHIBIT NO. 2