

EXHIBIT NO. 1

It is requested that the licensee named on this authorization be changed to American Telephone and Telegraph Company. AT&T Bell Laboratories has been merged with American Telephone and Telegraph Company and is no longer a separate legal corporate entity.

EXHIBIT NO. 2

Cellular telephone equipment has been a product line of American Telephone and Telegraph Company (AT&T) for several years. At the time this experimental license was originally applied for, the cellular telephone band was 825-845 MHz. and 870-890 MHz. The commission has expanded the band to 824-849 MHz. and 869-894 MHz. (as indicated in CFR 47, article 22.902). AT&T requests a modification to the existing license to include the additional frequencies now permitted, allowing experimentation in the full cellular telephone band.

FREQUENCY MHz	EMISSION DESIGNATOR	AUTHORIZED POWER WATTS
824-849	NON/30K0F2B/F3E/DXW	12
869-894	NON/30K0F2B/F3E/DXW	12
824-849	NON/30K0F2B/F3E/F7W/DXW	300
869-894	NON/30K0F2B/F3E/F7W/DXW	300

EXHIBIT NO. 3

The present license permits these experiments to be carried out anywhere in the continental United States and it is not desired to have this changed.

EXHIBIT NO. 4

a) The program of research to be carried on at this time under this license will be an attempt, (using available cellular base station and mobile equipment which has been modified to accommodate one the the following modulation methods TDMA, CDMA, FDMA, or E-TDMA), to increase the number of cellular telephone subscribers able to use a single channel simultaneously.

b) The objective of these tests is to enable as many calls as possible to be carried on one cellular channel.

c) The theoretical studies have shown that at least three calls and possibly as many as twelve calls can be put on one channel, using the proposed modulation methods. With the overwhelming response of the public to cellular telephone service, the existing channels are becoming overloaded, especially in large metropolitan areas. By sharing channels in the manner proposed more of the public will be able to use this service without using any more of the radio spectrum.

EXHIBIT NO. 5

Due to the experimental nature of the authorization, no specific antenna is envisioned. The height and electronic characteristics of the antennas will vary depending on the project. However, if it should be desired that any of the antenna installations should be made permanent, an application would be made for a station license at that time.