

EXHIBIT 1

The program of research and experimentation associated with this application revolves around the use of FM Broadcast type subcarrier transmissions to high performance portable receivers.

The equipment used for the experimental system typically will be a Broadcast quality FM Stereo Generator coupled with an SCOA designed and manufactured Subcarrier generator and an accepted type of FM Broadcast Exciter, such as a Continental Electronics model 802A feeding a leaky coax system or small vertical antenna mounted near the transmitting equipment.

The message watch system operates using an existing FM Broadcast station's SCA authority to transmit an AM-PSK duobinary encoded subcarrier with a 19.2kBps data rate in approximately 19 kHz of bandwidth. The receiver is built into a wristwatch and functions as a pager capable of displaying a wide variety of message formats and data.

Specific objectives for this experimental station are to gather data on operating conditions inside large structures, such as office buildings and convention centers, simulate FM Translator Stations, obtain data from a variety of antenna systems such as leaky coax, tunnel and in-building radiators and to demonstrate the technology and techniques to the business and private sectors.

This program of experimentation has more than a reasonable promise of contribution to the development and utilization of the radio art by refining the use of FM Broadcast Subcarrier technology and the use of unique modulation methods with high speed data.