

Exhibit 1

Particulars of operation

	Frequency (MHz)	Power			Emission	Modulation		
	(a)	(b) transmitter	(c) ERP	(d) mean/peak	(e)	(f1) max keying (bauds)	(f2) max audio mod freq	(f3) max freq deviation of carrier
1	1850-1910, 1930-1990	2 watts	80 watts			0	none	+/- 5(e-11)
2	1850-1910, 1930-1990	10 watts	400 watts			5 MHz	none	+/- 5(e-11)
3	2305-2320, 2345-2360	2 watts	80 watts			0	none	+/- 5(e-11)
4	2305-2320, 2345-2360	10 watts	400 watts			5 MHz	none	+/- 5(e-11)
5								
6								
7								
8								
9								
10								

note (1)

200 nSec measurement resolution requires 5 microsecond chip rate. PBSK modulation w/ pulse shaping leads to 10 MHz BW.

	Bandwidth (kHz)	Means by which BW was determined
(f4) pulse duration/repetition rate	(g)	
0 (cw)	1kHz	CW Carrier
continuous	10,000kHz	refer to note (1)
0 (cw)	1 kHz	CW Carrier
continuous	10,000kHz	refer to note (1)

EXHIBIT 2

Narrative Statement

a) The complete program of research and experimentation proposed including description of equipment and theory of operation.

Omnipoint Technologies, Inc. (OTI) is the technical arm of Omnipoint Corporation, a major service provider in the wireless communications industry. Omnipoint Corporation holds licenses in the PCS and WCS bands. OTI has numerous ongoing programs of research and product development and this Experimental License application is to cover channel characterization and similar testing activities. The equipment, including antennas, to be used will be experimental in nature, specifically designed by OTI for this purpose. Operation of the channel characterization equipment will involve transmission of a continuous signal and the taking of signal strength measurements from a numerous locations.

b) The specific objectives sought to be accomplished.

Specific objectives to be accomplished include narrow and wide band channel characterization to determine propagation, attenuation, fading and other characteristics of various RF environments including numerous categories of urban, suburban, and rural terrain, as well as identifying the characteristics of structures.

c) How the program of experimentation has a reasonable promise of contribution to the development, extension, expansion, or utilization of the radio art, or is along a line not already investigated.

OTI has considerable history developing the radio art, including development of some of the very first equipment designed for the PCS industry as well as development of IS661 technology. The proposed program of research will provide the basis for OTI's further development of PCS technology as well as development of technology for the new WCS band.

NOTES:

1. (item 6) Various types of directional and omnidirectional antennas will be used.
2. (item 13) Equipment used will be experimental, designed by Omnipoint. No more than twenty units will be operated in any one city at a given time, and testing will occur in no more than two cities at the same time.
3. (item 15) Various elevations of antennas will be tested. Antennas attached to existing structures will not extend more than 6 meters above the building. A vehicle with a 20 meter (to tip of antenna) pneumatic telescoping antenna mast will also be used during the testing. At no time will the vehicle be located or mast erected so as to present a hazard to aviation.
4. (item 5 (c)) Testing is planned for one or more of the following cities at the present time: Colorado Springs, CO; Denver, CO; Dallas / Ft. Worth, TX; New York City, NY; Newark, NJ; Albany, NY; Syracuse, NY; Buffalo, NY; Hartford, CT; Detroit, MI; Miami, FL; Indianapolis, IN; St. Louis, MO; Chicago, IL; Coos Bay, OR; Seattle, WA; Portland, ME.