

Ericsson Inc.
FCC Form 442
Exhibit 1
Item 4

A. Supplemental Information for item 4(A):

For purposes of this experiment, the Applicant seeks authority for no more than 4 channel pairs, each of which is 200 kHz wide in the uplink mode and 200 kHz wide in the downlink mode.

B. Information required by item 4(F) is as follows:

(1) The maximum speed of key in bauds is 270.833 bit/sec

(2) N/A, since digital modulation is being used

(3) The frequency deviation is +/- 67 kHz

(4) The burst duration is 577 us (-30 dB limit) and the guard period between bursts is 30 us.

C. Information required by item 4(G) is as follows:

The occupied bandwidth for useful signal is -1 dB BW 200 kHz, -30 dB BW 400 kHz, -60 dB BW 800 kHz (in 30 kHz measurement BW). Channel spacing is 200 kHz for the system but less than 400 kHz at one site.

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Exhibit 2
Item 10

Explanation of Experiment

The purpose of this experimental application is to obtain permission to conduct computer-telephony experiments on a wirelessly "wired" university campus. Specifically, a number of different experiments will be conducted on the University of California at Berkeley campus including evaluating the ability of persons with mobile handsets on the campus to use their handsets to access localized information such as directions to a specific building on campus. The experiment will also test the use of a new data transport protocol over CMRS spectrum which will provide valuable information in measuring the performance of data delivery and propagation characteristics of radio signals at various places and at various distances from a transmitter in a campus environment. As noted in item 5(c) mobiles will communicate within 2 km of the base station.