

U S WEST Communications, Inc. ("USW/C") seeks to amend experimental license KK2XCC which authorizes USW/C to perform a wireless access trial in Boulder, Colorado. USW/C filed quarterly reports on June 15, 1992, September 5, 1992, December 14, 1992, March 16, 1993, June 7, 1993, and September 17, 1993, December, 17, 1993, March 15, 1994 and June 9, 1994. License renewal authorization was granted effective November 1, 1993.

Authorization is being requested to allow the testing of frequencies in the 2400 - 2483.5 MHz and 5725 - 5850 MHz bands. The system to be tested has been designed to comply with Part 15.247 of the current rules, with the exception of the power limitation set forth under 15.247(b). A maximum peak output power of 10 watts is being requested to evaluate the technical feasibility of using this equipment to provide wireless exchange service in areas requiring immediate facility relief. Potential applications could include both temporary, and permanent radio based solutions, in areas where available and planned landland facilities cannot meet current demand.

This modification also addresses a request to increase the authorized power from 100 watts (ERP) to 1000 watts (ERP) in the 1850 - 1990 MHz band. This modification will allow testing of various radio systems in support of the Joint Technical Committee's (JTC) technical evaluation of PCS. The Boulder test bed has been made available to the PCS industry for use in determining compliance with the upcoming air interface standards. In addition, this increase in maximum ERP will allow the occasional testing of high performance antenna systems in the Boulder area. Antenna improvements are key to reduced deployment costs and must be tested in a repeatable environment prior to their commercial use.

The modifications requested in this filing will provide additional data by which USW/C will evaluate various configurations to provide wireless access.

As authorized under the terms of this experiment emission types may vary. All other technical parameters as outlined in the initial application will remain the same.