

Conf Number: EL310381
File Number: 0234-EX-PL-2006
FRN: 0011119807 (password flek21)

BACKGROUND

ADAPTIX is a world leader in OFDMA radio technology, currently developing products to be Mobile WiMAX certified (a profile of the IEEE 802.16e standard). ADAPTIX has been conducting a multi-site trial in conjunction with the City of Seattle under a Special Temporary Authorization (STA) during the first half of 2006 (call sign WC9XBZ). ADAPTIX would like to continue this activity at new frequencies under a new OET Experimental License, and add an antenna site at the company headquarters in Carrollton, Texas.

PROGRAM OF RESEARCH

ADAPTIX has now developed its 3rd generation of base station and mobile terminal equipment. Field testing is a necessary element of product performance evaluation. The testing will consist of:

(1) Operation of a 4-watt (peak) fixed base station at 4100 Midway, Carrollton, TX.

(2) Operation of a 0.2-watt (peak) mobile terminal from a vehicle or temporary fixed locations within an 8 km radius of the base station.

OBJECTIVES

(1) ADAPTIX seeks product certification with the WiMAX Forum (www.wimaxforum.org).

(2) ADAPTIX seeks to test its equipment at specific frequency profiles approved by the WiMAX Forum, namely 10 MHz bands within the ranges of 2300-2390 MHz and 2500-2690 MHz.

(3) ADAPTIX seeks to enhance its products based on test results obtained during these tests, thereby raising the industry expectation for WiMAX equipment coverage and throughput performance.