

Exhibit
Form 442, Question 7

Applicant Name: Broadstorm, Inc.
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Form 442, Question 7: Purpose of experiment

Broadstorm, Inc. is pioneering, and will manufacture, a high capacity 4th Generation Broadband Wireless access system based on Orthogonal Frequency Division Multiple Access (OFDMA) technology and utilizing leading edge digital signal processing techniques. The technology holds the promise of greatly improving the effectiveness of wireless broadband access in fixed, portable, and mobile environments.

OFDMA, with adaptive coded Quadrature Amplitude Modulation (QAM) and using a Time Division Duplex (TDD) scheme, will be employed to provide power efficient, spectrum efficient, robust operation in the presence of noise and frequency selective fading.

The experimental system will utilize a base station with two sectors to test the performance of fixed, portable, and mobile services in a field environment for validation against predicted performance and lab testing. The program will also be used to demonstrate the capabilities of the system to prospective network operators.