

From: Robert Arsenault

To: Anthony Serafini

Date: April 17, 2006

Subject:

Missing data

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Message:

Part 1:

Please point me to the antenna information area. I have been unable to locate it. I can find administrative and attach documents with no problem, but not the antenna spec area. I will comply immediately upon receipt of where it is located. Spent hours trying to find it.

Part 2:

Plain english explanation:

A base station, located in Port Angeles Washington will be attempting to transmit and receive 3.5Ghz signals (WiMax Certified equipment from Proxim) from a stationary Boat that will be placed in the Straights of San Juan De Fucha at 20 miles from base station. The base station will also attempt to communicate with a Helicopter in flight, located a few miles offshore from Victoria, British Columbia (about 20 miles distant from base station as well). The helicopter will start the vertical testing at 200 feet, and will climb to 2 miles elevation in stages so we may determine the ability of WiMax to transmit vertically, and at what data rate. The overall purpose of the tests are to determine transmission distance capabilities of Certified WiMax equipment at broadband speeds, both vertically and horizontally. Since the only Certified WiMax equipment in the world is 3.5GHz, then we must use licensed band, thus the experimental license request.

Wi-Sky Networks, LLC has several patent pending filings that requires a CIP to further demonstrate to the patent evaluator that the WiMax certified technology is capable of broadband transmission speed at beyond 10 miles distance, and at elevation.

Proof of Concept 1 testing is for 1 week duration, of which only 3 days are slated for actual transmission/reception of signal. Measurements will be taken during the tests so that a CIP filing can be written with empiracle data.

Search of FCC online experimental database has only 1 unit in Washington state, and that unit is over 100 miles away at 180 degrees from base station and NLOS as several mountain ranges are between the sites.