

STA APPLICATION

Date: 11/28/05

File Number:

Full Company Name: Intel Corporation

FRN of Company or Contact: 0009362237

Please complete all sections below with entirety.

Full Contact Name:	John Hammond
Contact Mailing Address:	2111 NE 25 th JF2-15 Hillsboro, Oregon 97124
Event Name	Sundance Film Festival
STA Start / End Dates : (including setup/test)	<u>Jan 17nd – 30th, 2006</u>

Description of Experiment or Research – Which Needs to Include the Following

Specific Objectives to be covered (detailed):
Intel will be positioning its technology leadership by providing a WiMAX demonstration at the Sundance Film Festival. This demonstration will be using the newly introduced ProWireless 5116 mac/phy silicon device being used by Alvarion. Demonstration will be conducted outdoors from the top of Bear Claw Mountain to subscriber stations located within a 2-mile radius.

Transmitter Equipment and Station Details

Equipment Manuf / P/N:	Alvarion BreezeMAX Base Station and Alvarion BreezeMAX Pro Subscriber Unit		
Number of Fixed Units:	1		
Location of Fixed Antennas (Lat / Lon, Street Address)	1. Bear Claw Mountain		
	2. near Vivian Park		
	3. Utah		
<u>NAD 27</u>		<u>NAD 83</u>	<u>X</u>
	4. 40.36840 N		
	5. 111.59420 W		

Number of Mobile Units	2
Radius of Mobile Unit location from Fixed station(s) (specify km)	1. Max. of 2 miles from fixed Unit
	2. Max. of 2 miles from fixed Unit

TX Frequency Range / Tolerance	HIGH (MHz)	LOW(MHz)	% Tolerance
Station Number	1. 3420	3400	0.004
	2. 3520	3500	0.004

Transmitter Parameters	Modulation	Emission Designator	Bandwidth	Power Out dBm
Station Number	1.64 QAM	3M25W1D	3.5 MHz	+23
	2.64 QAM	3M25G1D	3.5 MHz	+20

Antenna Details	Type	Gain (dB)	Beam Width (H)	Beam Width (V)	HAAT (meters)	AMSL (meters)
Station Number	1. Sector Panel	17	90°	6°	10	20
	2. Integrated Patch	15	30°	6°	10	20