

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
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Event Name	CES
STA Start / End Dates : (including setup/test)	<u>Jan 2nd – 8th, 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 Consumer Electronics Show (CES). 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 the Hilton Towers Hotel to the SANYO Blimp.

Transmitter Equipment and Station Details

Equipment Manuf / P/N:	Alvarion BreezeMAX Base Station and Alvarion BreezeMAX Subscriber Unit		
Number of Fixed Units:	1		
Location of Fixed Antennas (Lat / Lon, Street Address)	1.	Hilton Towers Hotel	
	2.	3000 Paradise Road	
	3.	Las Vegas, NV	
<u>NAD 27</u>		<u>NAD 83</u>	<u>x</u>

Number of Mobile Units	2
Radius of Mobile Unit location from Fixed station(s) (specify km)	1. Max. of 10km from fixed Unit
	2. Max. of 10km 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