STA APPLICATION

Date: 4/14/2006
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 25th – JF2-15** **Hillaboro, Oregon** **97124**

Event Name	**GlobalComm Conference**
STA Start / End Dates : (including setup/test)	**1-June-06 thru 12-June-06**

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

Specific Objectives to be covered (detailed):

Demonstrate usage and technology models for WiMAX, 802.16-2004 to the industry leaders attending the GlobalComm Wireless conference. Demonstrations will include equipment from various companies which will show interoperability.

Description of equipment (detailed): **The equipment which will be used is manufactured by Airspan, Alvarion, Redline Communications, and Aperto. Intel will be showing both the indoor (self install) and outdoor subscriber stations along with base station in / around the confines of the parameters listed below.**

Transmitter Equipment and Station Details

Equipment Manuf / P/N:	**Airspan MacroMax BS, both the EasyST and ProST, Aperto, and Alvarion subscriber stations.**

Number of Fixed Units:				**1**
Location of Fixed Antennas (Lat / Lon, Street Address)				1. McCormick Place
				2. 2301 S. Lake Shore Drive
				3. Chicago, Illinois 60616
NAD 27		**NAD 83**	**X**	4. 41.853333 N
				5. 87.616111 W

Number of Mobile Units	**4**
Radius of Mobile Unit location from Fixed station(s) (specify km)	1. 5 km
	2. 5 km
	3. 5 km
	4. 5 km
	5.

Frequency Range / Tolerance	**HIGH (MHz)**	**LOW(MHz)**	**% Tolerance**
Station Number	1. 3450	3400	0.004
	2. 3550	3500	0.004
	3. 3550	3500	0.004
	4. 3550	3500	0.004
	5. 3550	3500	0.004

Transmitter Parameters	**Modulation**	**Emission Designator**	**Bandwidth**	**Power Out dBm**
Station Number	1. 64QAM	7M20W1D	7.0 MHz	+23 max

	2. 64QAM	3M25G1D	3.5MHz	+18dBm
	3. 64QAM	3M25G1D	3.5MHz	+18dBm
	4. 64QAM	3M25G1D	3.5MHz	+18dBm
	5. 64QAM	3M25G1D	3.5MHz	+18dBm

Antenna Details	**Type**	**Gain (dB)**	**Beam Width (H)**	**Beam Width (V)**	**HAAT (meters)**
Station Number	1. Secorized, 60 degree	18dBi	60	8	
	2. Internal antenna for SI Subscriber	6dBi	90	8	
	3. Internal antenna for SI Subscriber	6dBi	90	8	
	4. Internal antenna for SI Subscriber	6dBi	90	8	
	5. Internal antenna for SI Subscriber	6dBi	90	8	