

STA APPLICATION

Date: 12/16/05

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	WCA International Symposium
STA Start / End Dates : (including setup/test)	<u>Jan 17th – 20th, 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 interoperability demonstration in the Intel booth at the WCA International Symposium (<http://www.wcai.com>) in San Jose, CA. The BaseStations will be operating in the range of the specified frequency in either FDD or TDD mode, with the accompanying Subscriber stations for each BaseStation.

Transmitter Equipment and Station Details

Equipment Manuf / P/N:	<u>BaseStations:</u> <u>Aperto 5000 BaseStation</u> <u>Airspan PacketMax BaseStation</u> <u>RedLine AN100-U</u> <u>Axxcelera ExcelMAX</u> <u>Subscriber Stations:</u> <u>Airspan EasyST</u> <u>RedLine RedMAX SU-O (also SU-I Indoor)</u> <u>ExcelMax Half Duplex FDD (HD-FDD)/TDD CPE</u> <u>SkyMAX Residential and Business CPE</u> <u>BreezeMAX Si</u> <u>BreezeMAX PRO</u>
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Number of Fixed Units:			2
Location of Fixed Antennas (Lat / Lon, Street Address)			1. Fairmont San Jose Hotel
			2. 170 South Market Street
			3. San Jose, CA 95113
<u>NAD 27</u>		<u>NAD 83</u>	<u>X</u>
			4. 37.33300 N
			5. 121.88911 W

Number of Mobile Units	2
Radius of Mobile Unit location from Fixed station(s) (specify km)	1. Max. of 100m from fixed Unit
	2. Max. of 100m from fixed Unit

TX Frequency Range / Tolerance	HIGH (MHz)	LOW(MHz)	% Tolerance
Station Number	1. 3450	3400	0.004
	2. 3550	3500	0.004
	3. 3450	3400	0.004
	4. 3550	3500	0.004
	5. 3450	3400	0.004
	6. 3550	3500	0.004
	7. 3450	3400	0.004
	8. 3550	3500	0.004
	9. 3450	3400	0.004
	10. 3550	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
	3.64 QAM	3M25G1D	3.5 MHz	+15
	4.64 QAM	3M25G1D	3.5 MHz	+10

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
	3. Integrated Patch	15	30deg	6deg	10	20
	4. Integrated Omni	10	360deg	7deg	10	20