

# STA APPLICATION

Date: 1/9/2006

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 |
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|                          |                                                                 |
|--------------------------|-----------------------------------------------------------------|
| Contact Mailing Address: | 2111 NE 25 <sup>th</sup> – JF2-15<br>Hillaboro, Oregon<br>97124 |
|                          |                                                                 |

|                                                   |                                      |
|---------------------------------------------------|--------------------------------------|
| Event Name                                        | Intel Sales and Marketing Conference |
| STA Start / End Dates :<br>(including setup/test) | 10-Feb-06 thru 20-Feb-06             |

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

|                                                                                                                                                                                                                                                                                                                  |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p><b>Specific Objectives to be covered (detailed):</b></p> <p><b>Demonstrate usage models for the newly adopted WiMAX, 802.16e (Mobile WiMAX) standard to the World-Wide Sales and Marketing force of Intel. This will be done indoors only during a keynote address to the sales force by Intel's CEO.</b></p> |
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**Description of equipment (detailed):**

The equipment which will be used is manufactured by Alcatel, Samsung, and/or Runcom. There will be a representative base station along with futuristic products which would represent the mobile compute platforms that will be used by consumers.

**Transmitter Equipment and Station Details**

|                               |                                           |
|-------------------------------|-------------------------------------------|
| <b>Equipment Manuf / P/N:</b> | <b>Alcatel / RunCom RNA200DK, Samsung</b> |
|-------------------------------|-------------------------------------------|

|                                                                    |  |                      |                 |                              |
|--------------------------------------------------------------------|--|----------------------|-----------------|------------------------------|
| <b>Number of Fixed Units:</b>                                      |  |                      |                 | <b>1</b>                     |
| <b>Location of Fixed Antennas<br/>( Lat / Lon, Street Address)</b> |  |                      |                 | 1. Anaheim Convention Center |
|                                                                    |  |                      |                 | 2. 800 West Katella Avenue   |
|                                                                    |  |                      |                 | 3. Anaheim, CA 92802         |
| <b><u>NAD 27</u></b>                                               |  | <b><u>NAD 83</u></b> | <b><u>X</u></b> | 4. 33.80347 N                |
|                                                                    |  |                      |                 | 5. 117.9188 W                |

|                                                                                  |  |           |
|----------------------------------------------------------------------------------|--|-----------|
| <b>Number of Mobile Units</b>                                                    |  | <b>2</b>  |
| <b>Radius of Mobile Unit<br/>location from Fixed station(s)<br/>(specify km)</b> |  | 1. < 100m |
|                                                                                  |  | 2.        |
|                                                                                  |  | 3.        |
|                                                                                  |  | 4.        |
|                                                                                  |  | 5.        |

| <b>Frequency Range /<br/>Tolerance</b> | <b>HIGH (MHz)</b> | <b>LOW(MHz)</b> | <b>%<br/>Tolerance</b> |
|----------------------------------------|-------------------|-----------------|------------------------|
| <b>Station Number</b>                  | 1. 2390           | 2400            | 0.004                  |
|                                        | 2. 2390           | 2400            | 0.004                  |
|                                        | 3. 2390           | 2400            | 0.004                  |
|                                        | 4.                |                 |                        |
|                                        | 5.                |                 |                        |

| <b>Transmitter Parameters</b> | <b>Modulation</b> | <b>Emission<br/>Designator</b> | <b>Bandwidth</b> | <b>Power Out<br/>dBm</b> |
|-------------------------------|-------------------|--------------------------------|------------------|--------------------------|
| <b>Station Number</b>         | 1. 64QAM          | 10M25W1D                       | 3.5MHz           | +24dBm max               |
|                               | 2. 64QAM          | 10M00G1D                       | 3.5MHz           | +24dBm max               |
|                               | 3. 64QAM          | 10M00G1D                       | 3.5MHz           | +24dBm max               |

|  |    |  |  |  |
|--|----|--|--|--|
|  | 4. |  |  |  |
|  | 5. |  |  |  |

| <b>Antenna<br/>Details</b> | <b>Type</b>                           | <b>Gain<br/>(dB)</b> | <b>Beam<br/>Width<br/>(H)</b> | <b>Beam<br/>Width<br/>(V)</b> | <b>HAAT<br/>(meters)</b> |
|----------------------------|---------------------------------------|----------------------|-------------------------------|-------------------------------|--------------------------|
| <b>Station<br/>Number</b>  | 1. Secorized, 60 degree               | 18dBi                | 60                            | 8                             | 10 -<br>Indoor           |
|                            | 2. Internal antenna for SI Subscriber | unity                | omni                          | 12                            | 10 -<br>Indoor           |
|                            | 3. Internal antenna for SI Subscriber | unity                | omni                          | 12                            | 10 -<br>Indoor           |
|                            | 4.                                    |                      |                               |                               |                          |
|                            | 5.                                    |                      |                               |                               |                          |