

**United States of America  
FEDERAL COMMUNICATIONS COMMISSION  
EXPERIMENTAL  
RADIO STATION CONSTRUCTION PERMIT  
AND LICENSE**

EXPERIMENTAL

(Nature of Service)

XE      FX MO

(Class of Station)

WD2XQR

(Call Sign)

0124-EX-ML-2005

(File Number)

NAME Intel Inc.

Subject to the provisions of the Communications Act of 1934, subsequent acts, and treaties, and all regulations heretofore or hereafter made by this Commission, and further subject to the conditions and requirements set forth in this license, the licensee hereof is hereby authorized to use and operate the radio transmitting facilities hereinafter described for radio communications in accordance with the program of experimentation described by the licensee in its application for license.

Operation: In accordance with Sec. 5.3(b) of the Commission's Rules

Station Locations

- (1) Hillsboro, OR - NL 45-32-37; WL 122-57-31
- (2) Hillsboro, OR - NL 45-32-37; WL 122-57-31
- (3) MOBILE: Within 16.1 km of 2111 NE 25th Ave., Hillsboro, OR, within 16.1 km, centered around NL 45-32-37; WL 122-57-31
- (4) MOBILE: Within 16.1 km of 2111 NE 25th Ave., Hillsboro, OR, within 16.1 km, centered around NL 45-32-37; WL 122-57-31

Frequency Information

Hillsboro, OR - NL 45-32-37; WL 122-57-31

| Frequency     | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|---------------|---------------|---------------------|------------------|---------------------------|
| 3400-3420 MHz | FX            |                     | 6310 mW (ERP)    | 0.004 %                   |
|               |               | 1M75W1D             |                  |                           |
|               |               | 3M50W1D             |                  |                           |
|               |               | 5M00W1D             |                  |                           |
|               |               | 5M50W1D             |                  |                           |
|               |               | 7M00W1D             |                  |                           |
|               |               | 10M0W1D             |                  |                           |
|               |               | 14M0W1D             |                  |                           |
|               |               | 20M0W1D             |                  |                           |

This authorization effective February 10, 2006 and  
will expire 3:00 A.M. EST June 01, 2007

**FEDERAL  
COMMUNICATIONS  
COMMISSION**

## Frequency Information

Hillsboro, OR - NL 45-32-37; WL 122-57-31

| Frequency     | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|---------------|---------------|---------------------|------------------|---------------------------|
| 3420-3440 MHz | FX            | 1M75W1D             | 6310 mW (ERP)    | 0.004 %                   |
|               |               | 3M50W1D             |                  |                           |
|               |               | 5M00W1D             |                  |                           |
|               |               | 5M50W1D             |                  |                           |
|               |               | 7M00W1D             |                  |                           |
|               |               | 10M0W1D             |                  |                           |
|               |               | 14M0W1D             |                  |                           |
|               |               | 20M0W1D             |                  |                           |
|               |               |                     |                  |                           |
| 3500-3520 MHz | FX            | 1M75W1D             | 6310 mW (ERP)    | 0.004 %                   |
|               |               | 3M50W1D             |                  |                           |
|               |               | 5M00W1D             |                  |                           |
|               |               | 5M50W1D             |                  |                           |
|               |               | 7M00W1D             |                  |                           |
|               |               | 10M0W1D             |                  |                           |
|               |               | 1M75W1D             |                  |                           |
|               |               | 3M50W1D             |                  |                           |
|               |               | 5M00W1D             |                  |                           |
|               |               | 5M50W1D             |                  |                           |
|               |               | 7M00W1D             |                  |                           |
|               |               | 10M0W1D             |                  |                           |
|               |               | 1M75W1D             |                  |                           |
|               |               | 3M50W1D             |                  |                           |
|               |               | 5M00W1D             |                  |                           |
|               |               | 5M50W1D             |                  |                           |
|               |               | 7M00W1D             |                  |                           |
|               |               | 10M0W1D             |                  |                           |
|               |               | 1M75W1D             |                  |                           |
|               |               | 3M50W1D             |                  |                           |
|               |               | 5M00W1D             |                  |                           |
|               |               | 5M50W1D             |                  |                           |
|               |               | 7M00W1D             |                  |                           |
|               |               | 10M0W1D             |                  |                           |
|               |               |                     |                  |                           |

## Frequency Information

Hillsboro, OR - NL 45-32-37; WL 122-57-31

| Frequency     | Station Class | Emission Designator                      | Authorized Power | Frequency Tolerance (+/-) |
|---------------|---------------|------------------------------------------|------------------|---------------------------|
| 3520-3540 MHz | FX            | 1M75W1D<br>3M50W1D<br>14M0W1D<br>20M0W1D | 6310 mW (ERP)    | 0.004 %                   |

Hillsboro, OR - NL 45-32-37; WL 122-57-31

| Frequency     | Station Class | Emission Designator                                                                             | Authorized Power | Frequency Tolerance (+/-) |
|---------------|---------------|-------------------------------------------------------------------------------------------------|------------------|---------------------------|
| 3400-3420 MHz | FX            | 1M75W1D<br>3M50W1D<br>5M00W1D<br>5M50W1D<br>7M00W1D<br>10M0W1D<br>14M0W1D<br>20M0W1D            | 4467 mW (ERP)    | 0.004 %                   |
| 3420-3440 MHz | FX            | 1M75W1D<br>1M75W1D<br>3M50W1D<br>5M00W1D<br>5M50W1D<br>7M00W1D<br>10M0W1D<br>14M0W1D<br>20M0W1D | 4467 mW (ERP)    | 0.004 %                   |
| 3500-3520 MHz | FX            | 1M75W1D<br>3M50W1D                                                                              | 4467 mW (ERP)    | 0.004 %                   |

## Frequency Information

Hillsboro, OR - NL 45-32-37; WL 122-57-31

| Frequency     | Station Class | Emission Designator                                                                                        | Authorized Power | Frequency Tolerance (+/-) |
|---------------|---------------|------------------------------------------------------------------------------------------------------------|------------------|---------------------------|
| 3500-3520 MHz | FX            | 5M00W1D<br>7M00W1D<br>10M0W1D<br>5M50W1D<br>7M00W1D<br>10M0W1D<br>1M75W1D<br>3M50W1D<br>5M00W1D<br>5M50W1D | 4467 mW (ERP)    | 0.004 %                   |
| 3520-3540 MHz | FX            | 1M75W1D<br>3M50W1D<br>5M00W1D<br>5M50W1D<br>7M00W1D<br>10M0W1D<br>14M0W1D<br>20M0W1D                       | 4467 mW (ERP)    | 0.004 %                   |

MOBILE: Within 16.1 km of 2111 NE 25th Ave., Hillsboro, OR, within 16.1 km, centered around NL 45-32-37; WL 122-57-31

| Frequency     | Station Class | Emission Designator                                                       | Authorized Power | Frequency Tolerance (+/-) |
|---------------|---------------|---------------------------------------------------------------------------|------------------|---------------------------|
| 3400-3420 MHz | MO            | 3M50W1D<br>5M00W1D<br>5M50W1D<br>7M00W1D<br>10M0W1D<br>1M75W1D<br>14M0W1D | 1259 mW (ERP)    | 0.004 %                   |

## Frequency Information

MOBILE: Within 16.1 km of 2111 NE 25th Ave., Hillsboro, OR, within 16.1 km, centered around NL 45-32-37; WL 122-57-31

| Frequency     | Station Class | Emission Designator                                                                                                                                                                                                                            | Authorized Power | Frequency Tolerance (+/-) |
|---------------|---------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|---------------------------|
| 3400-3420 MHz | MO            | 20M0W1D                                                                                                                                                                                                                                        | 1259 mW (ERP)    | 0.004 %                   |
| 3420-3440 MHz | MO            | 1M75W1D<br>3M50W1D<br>5M00W1D<br>5M50W1D<br>7M00W1D<br>10M0W1D<br>14M0W1D<br>20M0W1D                                                                                                                                                           | 1259 mW (ERP)    | 0.004 %                   |
| 3500-3520 MHz | MO            | 1M75W1D<br>3M50W1D<br>5M00W1D<br>5M50W1D<br>7M00W1D<br>10M0W1D<br>1M75W1D<br>3M50W1D<br>5M00W1D<br>5M50W1D<br>7M00W1D<br>10M0W1D<br>1M75W1D<br>3M50W1D<br>5M00W1D<br>5M50W1D<br>7M00W1D<br>10M0W1D<br>1M75W1D<br>3M50W1D<br>5M00W1D<br>5M50W1D | 1259 mW (ERP)    | 0.004 %                   |

## Frequency Information

MOBILE: Within 16.1 km of 2111 NE 25th Ave., Hillsboro, OR, within 16.1 km, centered around NL 45-32-37; WL 122-57-31

| Frequency     | Station Class | Emission Designator                                                                  | Authorized Power | Frequency Tolerance (+/-) |
|---------------|---------------|--------------------------------------------------------------------------------------|------------------|---------------------------|
| 3500-3520 MHz | MO            | 7M00W1D<br>10M0W1D                                                                   | 1259 mW (ERP)    | 0.004 %                   |
| 3520-3540 MHz | MO            | 1M75W1D<br>3M50W1D<br>5M00W1D<br>5M50W1D<br>7M00W1D<br>10M0W1D<br>14M0W1D<br>20M0W1D | 1259 mW (ERP)    | 0.004 %                   |

MOBILE: Within 16.1 km of 2111 NE 25th Ave., Hillsboro, OR, within 16.1 km, centered around NL 45-32-37; WL 122-57-31

| Frequency     | Station Class | Emission Designator                                                                  | Authorized Power | Frequency Tolerance (+/-) |
|---------------|---------------|--------------------------------------------------------------------------------------|------------------|---------------------------|
| 3400-3420 MHz | MO            | 1M75W1D<br>3M50W1D<br>5M00W1D<br>5M50W1D<br>7M00W1D<br>10M0W1D<br>14M0W1D<br>20M0W1D | 7943 mW (ERP)    | 0.004 %                   |
| 3420-3440 MHz | MO            | 1M75W1D<br>3M50W1D<br>5M00W1D<br>5M50W1D<br>7M00W1D                                  | 7943 mW (ERP)    | 0.004 %                   |

## Frequency Information

MOBILE: Within 16.1 km of 2111 NE 25th Ave., Hillsboro, OR, within 16.1 km, centered around NL 45-32-37; WL 122-57-31

| Frequency     | Station Class | Emission Designator                                                                  | Authorized Power | Frequency Tolerance (+/-) |
|---------------|---------------|--------------------------------------------------------------------------------------|------------------|---------------------------|
| 3420-3440 MHz | MO            | 10M0W1D                                                                              | 7943 mW (ERP)    | 0.004 %                   |
| 3500-3520 MHz | MO            | 1M75W1D<br>3M50W1D<br>5M00W1D<br>5M50W1D<br>7M00W1D<br>10M0W1D<br>14M0W1D<br>20M0W1D | 7943 mW (ERP)    | 0.004 %                   |
| 3520-3540 MHz | MO            | 1M75W1D<br>3M50W1D<br>5M00W1D<br>5M50W1D<br>7M00W1D<br>10M0W1D                       | 7943 mW (ERP)    | 0.004 %                   |

## Special Conditions:

- (1) The station identification requirements of Section 5.115 of the Commission's Rules are waived.
- (2) No WiMax equipment in the band 3300-3650 MHz will be offered for US sales.
- (3) No equipment shall be developed in this band since it is a federal government band for radiolocation. Any development needs to be done in an approved FCC band. WiMax should not be developed in the band 3300-3650 MHz for US sales.
- (4) Intel needs to be aware of possible interference from high power government radars in the band 3300-3650 MHz.
- (5) This license is for equipment that is intended for export only.