

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

EXPERIMENTAL

(Nature of Service)

XD MO

(Class of Station)

WI2XAX

(Call Sign)

0420-EX-CR-2017

(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(j) of the Commission's Rules

Station Locations

- (1) MOBILE: Radius of 350 meters between buildings JF4 -JF1, within 0.35 km, centered around NL 45-32-35; WL 122-57-41
- (2) MOBILE: Radius of 400 meters on Intel Santa Clara Campus, within 0.4 km, centered around NL 37-23-10; WL 121-57-53
- (3) MOBILE: Hillsboro, OR, within 0.4 km, centered around NL 45-32-35; WL 122-57-41
- (4) MOBILE: Santa Clara, CA, within 0.5 km, centered around NL 37-23-10; WL 121-57-53
- (5) MOBILE: Hillsboro, OR, within 0.8 km, centered around NL 45-32-33; WL 122-58-00

Frequency Information

MOBILE: Radius of 350 meters between buildings JF4 -JF1, within 0.35 km, centered around NL 45-32-35; WL 122-57-41

| Frequency     | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|---------------|---------------|---------------------|------------------|---------------------------|
| 27.5-28.5 GHz | MO            |                     | 2512 mW (ERP)    |                           |
|               |               | 100MW7W             |                  |                           |
|               |               | 200MW7W             |                  |                           |
|               |               | 300MW7W             |                  |                           |
|               |               | 400MW7W             |                  |                           |
|               |               | 500MW7W             |                  |                           |
|               |               | 600MW7W             |                  |                           |
|               |               | 700MW7W             |                  |                           |
|               |               | 800MW7W             |                  |                           |

This authorization effective December 01, 2017 and  
will expire 3:00 A.M. EST December 01, 2019

**FEDERAL  
COMMUNICATIONS  
COMMISSION**



## Frequency Information

MOBILE: Radius of 400 meters on Intel Santa Clara Campus, within 0.4 km, centered around NL 37-23-10; WL 121-57-53

| Frequency     | Station Class | Emission Designator                                                                  | Authorized Power | Frequency Tolerance (+/-) |
|---------------|---------------|--------------------------------------------------------------------------------------|------------------|---------------------------|
| 27.5-28.5 GHz | MO            | 100MW7W<br>200MW7W<br>300MW7W<br>400MW7W<br>500MW7W<br>600MW7W<br>700MW7W<br>800MW7W | 2512 mW (ERP)    |                           |

MOBILE: Hillsboro, OR, within 0.4 km, centered around NL 45-32-35; WL 122-57-41

| Frequency     | Station Class | Emission Designator                                                                  | Authorized Power | Frequency Tolerance (+/-) |
|---------------|---------------|--------------------------------------------------------------------------------------|------------------|---------------------------|
| 26.5-29.5 GHz | MO            | 100MW7W<br>200MW7W<br>300MW7W<br>400MW7W<br>500MW7W<br>600MW7W<br>700MW7W<br>800MW7W | 0.61 W (ERP)     | 0.1 %                     |
| 26.5-29.5 GHz | MO            | 100MW7W<br>200MW7W<br>300MW7W<br>400MW7W<br>500MW7W<br>600MW7W<br>700MW7W<br>800MW7W | 609.5 W (ERP)    | 0.1 %                     |

## Frequency Information

MOBILE: Santa Clara, CA, within 0.5 km, centered around NL 37-23-10; WL 121-57-53

| Frequency     | Station Class | Emission Designator                                                                  | Authorized Power | Frequency Tolerance (+/-) |
|---------------|---------------|--------------------------------------------------------------------------------------|------------------|---------------------------|
| 26.5-29.5 GHz | MO            | 100MW7W<br>200MW7W<br>300MW7W<br>400MW7W<br>500MW7W<br>600MW7W<br>700MW7W<br>800MW7W | 0.61 W (ERP)     | 0.1 %                     |
| 26.5-29.5 GHz | MO            | 100MW7W<br>200MW7W<br>300MW7W<br>400MW7W<br>500MW7W<br>600MW7W<br>700MW7W<br>800MW7W | 609.5 W (ERP)    | 0.1 %                     |

MOBILE: Hillsboro, OR, within 0.8 km, centered around NL 45-32-33; WL 122-58-00

| Frequency     | Station Class | Emission Designator                                                                  | Authorized Power | Frequency Tolerance (+/-) |
|---------------|---------------|--------------------------------------------------------------------------------------|------------------|---------------------------|
| 26.5-29.5 GHz | MO            | 100MW7W<br>200MW7W<br>300MW7W<br>400MW7W<br>500MW7W<br>600MW7W<br>700MW7W<br>800MW7W | 609.5 W (ERP)    | 0.1 %                     |

**Special Conditions:**

- (1) The station identification requirements of Section 5.115 of the Commission's Rules are waived.
- (2) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (3) Licensee should be aware that other stations may be licensed on these frequencies and if any interference occurs, the licensee of this authorization will be subject to immediate shut down.
- (4) Prior to operation, Intel Inc. must coordinate with Part 25 licensees that are located within 25 mile radius of the transmitter.
- (5) Operation is subject to prior coordination with the Fixed Microwave Service licensees prior to operation in the proposed frequency bands in accordance with 47 CFR, Part 101.103(d).
- (6) Intel Inc. must operate in compliance with the coordination agreement reached between O3b Limited and Intel Inc.
- (7) Stop Buzzer is John Hammond at (503) 264-8726.