

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

EXPERIMENTAL

(Nature of Service)

XD      FX MO

(Class of Station)

WI2XOJ

(Call Sign)

0149-EX-CN-2016

(File Number)

NAME Intel Corporation

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: Chandler, AZ, within 8 km, centered around NL 33-16-36; WL 111-54-27
- (2) MOBILE: Chandler, AZ, within 8 km, centered around NL 33-16-36; WL 111-54-27
- (3) MOBILE: Chandler, AZ, within 8 km, centered around NL 33-16-36; WL 111-54-25
- (4) Chandler, AZ - NL 33-16-36; WL 111-54-27; MOBILE: Chandler, AZ, within 8 km, centered around NL 33-16-36; WL 111-54-27

Frequency Information

MOBILE: Chandler, AZ, within 8 km, centered around NL 33-16-36; WL 111-54-27

| Frequency     | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|---------------|---------------|---------------------|------------------|---------------------------|
| 3300-3700 MHz | MO            | 100MW7W<br>200MW7W  | 0.123 W (ERP)    | 0.1 %                     |

MOBILE: Chandler, AZ, within 8 km, centered around NL 33-16-36; WL 111-54-27

| Frequency     | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|---------------|---------------|---------------------|------------------|---------------------------|
| 3300-3700 MHz | MO            | 100MW7W             | 193 W (ERP)      | 0.1 %                     |

This authorization effective December 07, 2016 and  
will expire 3:00 A.M. EST December 01, 2018

**FEDERAL  
COMMUNICATIONS  
COMMISSION**



## Frequency Information

MOBILE: Chandler, AZ, within 8 km, centered around NL 33-16-36; WL 111-54-27

| Frequency     | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|---------------|---------------|---------------------|------------------|---------------------------|
| 3300-3700 MHz | MO            | 200MW7W             | 193 W (ERP)      | 0.1 %                     |

MOBILE: Chandler, AZ, within 8 km, centered around NL 33-16-36; WL 111-54-25

| Frequency   | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-------------|---------------|---------------------|------------------|---------------------------|
| 27-28.5 GHz | MO            | 100MW7W<br>200MW7W  | 1.9 W (ERP)      | 0.1 %                     |
| 27-28.5 GHz | MO            | 100MW7W<br>200MW7W  | 6.1 W (ERP)      | 0.1 %                     |

Chandler, AZ - NL 33-16-36; WL 111-54-27; MOBILE: Chandler, AZ, within 8 km, centered around NL 33-16-36; WL 111-54-27

| Frequency   | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-------------|---------------|---------------------|------------------|---------------------------|
| 27-28.5 GHz | FX            | 100MW7W<br>200MW7W  | 609.5 W (ERP)    | 0.1 %                     |

## Special Conditions:

- (1) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (2) 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.
- (3) Maintain operation separation from the grandfathered earth stations as defined in Part 90, subpart Z, or coordinate an agreement with the grandfathered earth station licensees.

**Special Conditions:**

- (4) Ensure that the operation will not cause harmful interference to any existing registered stations in the 3650-3700 MHz, and notify the registered users in the proposed areas.
- (5) Coordinate with the Fixed Microwave Service licensees in accordance with 47 CFR, Part 101.103(d).
- (6) Operations are not permitted in 3700-4200 MHz band.
- (7) At least 5 business days prior to operating, Intel Corporation must notify licensees of earth stations operating in adjacent band above 3700 MHz within 40 kilometers of the locations from which experimental operations will occur. Intel Corporation must also provide such notification to the National Spectrum Managers Association frequency coordinators by email (see [http://wireless.fcc.gov/services/index.htm?job=licensing\\_1&id=microwave](http://wireless.fcc.gov/services/index.htm?job=licensing_1&id=microwave)). The notice must include the name and contact information of the stop buzzer personnel that will be available to cease operations in the event of reported interference. The notification should also include the testing parameters (location, antenna gain pattern, antenna height, antenna orientation, eirp density) and day and times of each test. Consult the IBFS database to identify licensed earth station above 3700 MHz band.