

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

EXPERIMENTAL

(Nature of Service)

XD MO

(Class of Station)

WJ2XNK

(Call Sign)

0443-EX-CN-2018

(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: Hillsboro, Oregon, within 7.77 km, centered around NL 45-32-38; WL 122-55-44

Frequency Information

MOBILE: Hillsboro, Oregon, within 7.77 km, centered around NL 45-32-38; WL 122-55-44

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
3.4-3.7 GHz	MO	20M0W7W 40M0W7W 60M0W7W 80M0W7W 100MW7W	2.512 W (ERP)	0.1 %
26.5-29.5 GHz	MO	100MW7W 200MW7W 300MW7W 400MW7W 500MW7W 600MW7W	966.05 W (ERP)	0.1 %

This authorization effective June 20, 2018 and
will expire 3:00 A.M. EST July 01, 2020

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

MOBILE: Hillsboro, Oregon, within 7.77 km, centered around NL 45-32-38; WL 122-55-44

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
26.5-29.5 GHz	MO	700MW7W 800MW7W	966.05 W (ERP)	0.1 %
26.5-29.5 GHz	MO	100MW7W 200MW7W 300MW7W 400MW7W 500MW7W 600MW7W 700MW7W 800MW7W	609.5 W (ERP)	0.1 %

Special Conditions:

- (1) 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.
- (2) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (3) The station identification requirements of Section 5.115 of the Commission's Rules are waived.
- (4) Maintain operation separation from the grandfathered earth stations as defined in Part 90, sub-part Z, or coordinate an agreement with the grandfathered earth station licensees prior to operation in 3.4-3.7 GHz band.
- (5) Consult the ULS database to 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 area.
- (6) Coordinate with the Fixed Microwave Service licensees in accordance with 47 CFR, Part 101.103(d) prior to operation in 26.5-29.5 GHz band.
- (7) Experimental station shall use the minimum power level necessary to establish communications links to minimize potential interference to licensed users.
- (8) Licensee must avoid pointing the transmitting antenna main beam gain within 10 degrees of any point on the geostationary orbital arc while transmitting signals in the 27.5-29.5 GHz band.
- (9) The mobile stations antenna main beam elevation angle is at (zero degree) or below the horizon (below zero degrees).
- (10) The authorized station must be in compliance with environmental requirement set forth in Section 1.1307 of the Commission's Rules.

Special Conditions:

(11) Stop Buzzer: John Hammond at (503) 264-8726.