

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

EXPERIMENTAL

(Nature of Service)

XD FX MO

(Class of Station)

WL2XSA

(Call Sign)

0332-EX-CN-2021

(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: Santa Clara, CA, within 0.8 km, centered around NL 37-23-10; WL 121-57-53
- (2) Santa Clara (SANTA CLARA), CA - NL 37-23-10; WL 121-57-53; MOBILE: Santa Clara, CA, within 0.8 km, centered around NL 37-23-10; WL 121-57-53
- (3) MOBILE: Jones Farm, OR, within 0.8 km, centered around NL 45-32-33; WL 122-58-00
- (4) Jones Farm, OR - NL 45-32-33; WL 122-58-00; MOBILE: Jones Farm, OR, within 0.8 km, centered around NL 45-32-33; WL 122-58-00

Frequency Information

MOBILE: Santa Clara, CA, within 0.8 km, centered around NL 37-23-10; WL 121-57-53

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
3.4-4.2 GHz	MO	400MW7W 200MW7W 100MW7W 80M0W7W 60M0W7W 40M0W7W 20M0W7W	609.5 mW (ERP)	0.1 %
4.4-4.99 GHz	MO	20M0W7W	609.5 mW (ERP)	0.1 %

This authorization effective June 16, 2021 and
will expire 3:00 A.M. EST July 01, 2023

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

MOBILE: Santa Clara, CA, within 0.8 km, centered around NL 37-23-10; WL 121-57-53

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
4.4-4.99 GHz	MO	40M0W7W 60M0W7W 80M0W7W 100MW7W 200MW7W 400MW7W	609.5 mW (ERP)	0.1 %

Santa Clara (SANTA CLARA), CA - NL 37-23-10; WL 121-57-53; MOBILE: Santa Clara, CA, within 0.8 km, centered around NL 37-23-10; WL 121-57-53

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
3.4-4.2 GHz	MO	400MW7W 20M0W7W 40M0W7W 60M0W7W 80M0W7W 100MW7W 200MW7W	192.8 W (ERP)	0.1 %
4.4-4.99 GHz	MO	20M0W7W 40M0W7W 60M0W7W 80M0W7W 100MW7W 200MW7W 400MW7W	192.8 W (ERP)	0.1 %

Frequency Information

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

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
3.4-4.2 GHz	MO	20M0W7W 40M0W7W 60M0W7W 80M0W7W 100MW7W 200MW7W 400MW7W	609.5 mW (ERP)	0.1 %
4.4-4.99 GHz	MO	400MW7W 200MW7W 100MW7W 80M0W7W 60M0W7W 40M0W7W 20M0W7W	609.5 mW (ERP)	0.1 %

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

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
3.4-4.2 GHz	MO	400MW7W 200MW7W 100MW7W 80M0W7W 60M0W7W 40M0W7W 20M0W7W	192.8 W (ERP)	0.1 %
4.4-4.99 GHz	MO	20M0W7W 40M0W7W	192.8 W (ERP)	0.1 %

Frequency Information

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

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
4.4-4.99 GHz	MO	60M0W7W 80M0W7W 100MW7W 200MW7W 400MW7W	192.8 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) The station identification requirements of Section 5.115 of the Commission's Rules are waived.
- (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) With respect to operations in 3700-4200 MHz band, Licensee should be made aware that they must avoid causing interference to existing FSS earth stations in the band. For applicant's reference, a list of registered incumbent FSS earth stations in the band can be found at the following link:<https://docs.fcc.gov/public/attachments/DA-20-823A2.xls>

Special Conditions:

- (5) Prior to commencing any operations in the 3.625-4.2 GHz frequency band, experimental licensee must notify licensees of earth stations. 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 include the testing parameters (specific location(s), antenna gain(s), antenna height(s), antenna orientation, EIRP, EIRP density) and day and times of each test. Please notify the following licensees: For operations at Santa Clara, CA, within 0.80 km , centered around NL 37-23-10; WL 121-57-53:
- Call Sign: E060418
Frequency bands: 3.7-4.2 GHz
Licensee: General Dynamics
ATTN: Mr Mike W Mcdaniel
Phone: 650-966-2954 Fax: 650-966-3401
E-Mail: MikeW.Mcdaniel@gd-ais.com
Site Contact: Lee Campbell 650-966-2330
- Call Sign: E970119, E970137, E970133
Frequency bands: 3.7-4.2 GHz
Licensee: Associated Press ATTN: Oleta J Brown
Phone: 816-654-1000 Fax: 816-654-1035
E-Mail: ojbrown@ap.org
- Call Sign: E6241 , KA232
Frequency bands: 3.625-4.2 GHz
Licensee: Sprint Communications Co., LP
ATTN: Robin J Cohen
Phone: 703-433-4000 Fax: 703-433-4035
Site Contact: Timothy A. Dismond 913-315 3857
- For operations at Jones Farm, OR, within 0.80 km , centered around NL 45-32-33; WL 122-58-00:
Call Sign: E000029
Frequency bands: 3.7-4.2 GHz
Licensee: CSC ATTN: Gerald Reed
Phone: 703-818-4683 Fax: 703-818-4723
E-Mail: greed6@csc.com
Site Contact: STEVE TODD 503-326-2340
- Call Sign: E040406
Frequency bands: 3.7-4.2 GHz
Licensee: Mt. Hood Community District
ATTN: Jennifer DeMent
Phone: 503-491-7385 Fax:
E-Mail: jennifer.dement@mhcc.edu
Site Contact: CLINTON LOCEY 503-491-7166
- (6) The stop buzzer POC is John Hammond at 503-264-8726
- (7) Licensee must coordinate with Fixed Microwave Service licensees in each corresponding proposed venue in accordance with 47 C.F.R, Part 101.103(d) prior to commencing experimental operations.

Special Conditions:

- (8) Licensee must coordinate its operations in the 3550-3700 MHz band with one or more authorized Spectrum Access System (SAS) administrators to obtain channel assignments and avoid causing harmful interference to authorized users of the band, including General Authorized Access (GAA) users.
- (9) Operation on 4940-4990 MHz subject to prior notification of incumbent/Counties/Public Safety licensees .
- (10) Operation is not permitted using the frequency band 4200-4400 MHz.