

**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)

0203-EX-CM-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 September 13, 2017 and
will expire 3:00 A.M. EST December 01, 2017

**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 200MW7W 300MW7W 400MW7W 500MW7W 600MW7W 700MW7W 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 200MW7W 300MW7W 400MW7W 500MW7W 600MW7W 700MW7W 800MW7W	0.61 W (ERP)	0.1 %
26.5-29.5 GHz	MO	100MW7W 200MW7W 300MW7W 400MW7W 500MW7W 600MW7W 700MW7W 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 200MW7W 300MW7W 400MW7W 500MW7W 600MW7W 700MW7W 800MW7W	0.61 W (ERP)	0.1 %
26.5-29.5 GHz	MO	100MW7W 200MW7W 300MW7W 400MW7W 500MW7W 600MW7W 700MW7W 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 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) 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.