

**United States of America
FEDERAL COMMUNICATIONS COMMISSION
EXPERIMENTAL
SPECIAL TEMPORARY AUTHORIZATION**

EXPERIMENTAL

(Nature of Service)

WN9XPQ

(Call Sign)

XT MO

(Class of Station)

1743-EX-ST-2018

(File Number)

NAME Intel Corporation

This Special Temporary Authorization is granted upon the express condition that it may be terminated by the Commission at any time without advance notice or hearing if in its discretion the need for such action arises. Nothing contained herein shall be construed as a finding by the Commission that the authority herein granted is or will be in the public interest beyond the express terms hereof.

This Special Temporary Authorization shall not vest in the grantee any right to operate the station nor any right in the use of the frequencies designated in the authorization beyond the term hereof, nor in any other manner than authorized herein. Neither the authorization nor the right granted hereunder shall be assigned or otherwise transferred in violation of the Communications Act of 1934. This authorization is subject to the right of use of control the Government of the United States conferred by Section 706 of the Communications Act of 1934.

Special Temporary Authority is hereby granted to operate the apparatus described below:

Purpose Of Operation:

Demonstration of advances with new radio technologies.

Station Locations

- (1) MOBILE: Hillsboro, OR, within 0.4 km, centered around NL 45-32-34; WL 122-57-43
- (2) MOBILE: Hillsboro, OR, within 0.4 km, centered around NL 45-32-34; WL 122-57-43
- (3) MOBILE: Hillsboro, OR, within 1.5 km, centered around NL 45-32-23; WL 122-54-52
- (4) MOBILE: Hillsboro, OR, within 1.5 km, centered around NL 45-32-23; WL 122-54-52
- (5) MOBILE: Santa Clara, CA, within 2.5 km, centered around NL 37-23-10; WL 121-57-53
- (6) MOBILE: Santa Clara, CA, within 2.5 km, centered around NL 37-23-10; WL 121-57-53
- (7) MOBILE: Santa Clara, CA, within 0.5 km, centered around NL 37-24-12; WL 121-58-11
- (8) MOBILE: Santa Clara, CA, within 0.5 km, centered around NL 37-24-12; WL 121-58-11

Frequency Information

MOBILE: Hillsboro, OR, within 0.4 km, centered around NL 45-32-34; WL 122-57-43

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2496-2690 MHz	MO	20M0W7W	300 W (ERP)	

This authorization effective November 29, 2018 and
will expire 3:00 A.M. EST May 18, 2019

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

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Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2496-2690 MHz	MO	20M0W7W	609.5 mW (ERP)	

MOBILE: Hillsboro, OR, within 1.5 km, centered around NL 45-32-23; WL 122-54-52

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2496-2690 MHz	MO	20M0W7W	609.5 mW (ERP)	

MOBILE: Hillsboro, OR, within 1.5 km, centered around NL 45-32-23; WL 122-54-52

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2496-2690 MHz	MO	20M0W7W	300 W (ERP)	

MOBILE: Santa Clara, CA, within 2.5 km, centered around NL 37-23-10; WL 121-57-53

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Special Conditions:

- (1) Operation is subject to prior coordination with affected Educational Broadband Service/Broadband Radio Service (EBS/BRS) licensees.
- (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) Licensee shall ensure that the transmitting station antenna(s) main beam gain tip down when possible and avoid pointing above the horizon to protect satellite stations.
- (5) This authorization is without prejudice to any determination that the Commission may make regarding pending or future experimental satellite earth station applications.
- (6) Further requests for extension of the authority granted herein must be filed on Form 442, "Application for New or Modified Radio Station Authorization under Part 5 of FCC Rules - Experimental Radio Service." Future STA requests to extend this authorization will not be considered.