

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

EXPERIMENTAL

(Nature of Service)

XT MO

(Class of Station)

WL2XEL

(Call Sign)

0688-EX-CN-2020

(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: Orlando, FL, within 1 km, centered around NL 28-32-21; WL 81-23-02
- (2) MOBILE: Orlando, FL, within 1 km, centered around NL 28-32-21; WL 81-23-02

Frequency Information

MOBILE: Orlando, FL, within 1 km, centered around NL 28-32-21; WL 81-23-02

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
3400-3800 MHz	MO		342.8 mW (ERP)	0.1 %
		40M0W7W		
		60M0W7W		
		80M0W7W		
		100MW7W		

MOBILE: Orlando, FL, within 1 km, centered around NL 28-32-21; WL 81-23-02

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
3400-3800 MHz	MO		38.5 W (ERP)	0.1 %
		40M0W7W		
		60M0W7W		

This authorization effective September 25, 2020 and
will expire 3:00 A.M. EST October 01, 2022

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

MOBILE: Orlando, FL, within 1 km, centered around NL 28-32-21; WL 81-23-02

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
3400-3800 MHz	MO	80M0W7W 100MW7W	38.5 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) Experimental station shall use the minimum power level necessary to establish communications links to minimize potential interference to licensed users.
- (4) The applicant shall coordinate with the affected Fixed Microwave Service licensees prior to operation in 3700-3800 MHz band in accordance with 47 C.F.R, Part 101.103(d).
- (5) Stop buzzer POC: John Hammond at 503-264-8726, stopbuzzer@intel.com
- (6) The experimental stations power flux-density (pfd) at FSS earth stations must not exceed -154.5 dB (W/(m² · 4 kHz)).
- (7) Prior to operation, experimental licensee, must notify licensees of FSS earth stations operating the 3700-4200 MHz within 15-kilometer radius of the locations from which experimental operations will occur. Experimental licensee 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). 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 pattern, antenna height(s), antenna orientation, eirp density) and day and times of each test. Consult the IBFS database to identify licensed earth station in the band 3700-4200 MHz band.
- (8) The applicant must coordinate its operations in 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) With respect to operations in 3700-3800 MHz band, the applicant should be made aware that they must avoid causing interference to existing Fixed Service operators and 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>