

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

EXPERIMENTAL

(Nature of Service)

XD MO

(Class of Station)

WL2XBQ

(Call Sign)

0491-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: Waltham, MA, within 1 km, centered around NL 42-25-07; WL 71-15-15
- (2) MOBILE: Waltham, MA, within 1 km, centered around NL 42-25-07; WL 71-15-15

Frequency Information

MOBILE: Waltham, MA, within 1 km, centered around NL 42-25-07; WL 71-15-15

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
3650-3800 MHz	MO		342.8 mW (ERP)	
		10M0W7W		
		15M0W7W		
		20M0W7W		
		25M0W7W		
		30M0W7W		
		40M0W7W		
		50M0W7W		
		60M0W7W		
		70M0W7W		
		80M0W7W		
		90M0W7W		
		100MW7W		

This authorization effective August 20, 2020 and
will expire 3:00 A.M. EST September 01, 2022

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

MOBILE: Waltham, MA, within 1 km, centered around NL 42-25-07; WL 71-15-15

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
3650-3800 MHz	MO		38.5 W (ERP)	
		10M0W7W		
		15M0W7W		
		20M0W7W		
		30M0W7W		
		25M0W7W		
		40M0W7W		
		50M0W7W		
		60M0W7W		
		70M0W7W		
		80M0W7W		
		90M0W7W		
		100MW7W		

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) The station identification requirements of Section 5.115 of the Commission's Rules are waived.
- (4) Experimental station shall use the minimum power level necessary to establish communications links to minimize potential interference to licensed users.
- (5) Operation is not permitted in 3600-3650 MHz band.
- (6) Intel Corporation must coordinate its operations in 3600-3700 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.
- (7) With respect to operations in 3700-3800 MHz band, Intel Corporation must avoid causing interference to existing Fixed Service operators and FSS earth stations in the band. For 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>
- (8) Consult the ULS database to ensure that the operation will not cause harmful interference to any existing registered stations in the 3650-3700 MHz band, and notify the registered users in the proposed geographic areas prior to operation in this band.

Special Conditions:

- (9) 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 3650-3700 MHz band.