

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

EXPERIMENTAL

(Nature of Service)

WK2XIX

(Call Sign)

XD FX MO

(Class of Station)

0059-EX-CM-2021

(File Number)

NAME Intel Corp.

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) Chandler (MARICOPA), AZ - NL 33-18-30; WL 111-55-56
- (2) Chandler (MARICOPA), AZ - NL 33-18-30; WL 111-55-56; MOBILE: Chandler, AZ, within 0.5 km, centered around NL 33-18-30; WL 111-55-56

Frequency Information

Chandler (MARICOPA), AZ - NL 33-18-30; WL 111-55-56

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
3400-3800 MHz	FX		609.54 mW (ERP)	0.002 %
		20M0W7W		
		10M0W7W		
		40M0W7W		
		50M0W7W		
		100MW7W		

This authorization effective April 15, 2021 and
will expire 3:00 A.M. EST August 01, 2021

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

Chandler (MARICOPA), AZ - NL 33-18-30; WL 111-55-56; MOBILE: Chandler, AZ, within 0.5 km, centered around NL 33-18-3

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
3400-3800 MHz	MO	40M0W7W 10M0W7W 20M0W7W 50M0W7W 100MW7W	609.54 mW (ERP)	0.002 %

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) All of the experimental devices will be under control of Intel Corp. and they will be retrieved by Intel Corp. from the participants upon completion of the experiment.
- (5) 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.
- (6) 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.
- (7) Intel Corp. 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.
- (8) Intel Corp. shall coordinate with the Fixed Microwave Service licensees in the proposed areas in accordance with 47 C.F.R, Part 101.103(d) prior to operation in 3700-3800 MHz band.
- (9) With respect to operations in 3700-3800 MHz band, Intel Corp. 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>
- (10) The designated point-of-contacts to terminate transmissions if interference occurs are John Belstner at (480) 554-8037, and Manoj Kalluri at (480) 554-4291.