

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

EXPERIMENTAL

(Nature of Service)

XD FX MO

(Class of Station)

WI2XUN

(Call Sign)

0185-EX-CN-2017

(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: San Jose, CA, within 0.34 km, centered around NL 37-24-08; WL 121-56-10
- (2) San Jose, CA - NL 37-24-08; WL 121-56-10; MOBILE: San Jose, CA, within 0.34 km, centered around NL 37-24-08; WL 121-56-10

Frequency Information

MOBILE: San Jose, CA, within 0.34 km, centered around NL 37-24-08; WL 121-56-10

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
26.5-29.5 GHz	MO		2.61 W (ERP)	
		100MW7W		
		200MW7W		
		300MW7W		
		400MW7W		
		500MW7W		
		600MW7W		
		700MW7W		
		800MW7W		

This authorization effective April 17, 2017 and
will expire 3:00 A.M. EST May 01, 2019

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

San Jose, CA - NL 37-24-08; WL 121-56-10; MOBILE: San Jose, CA, within 0.34 km, centered around NL 37-24-08; WL 121-

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
26.5-29.5 GHz	FX	100MW7W	609.5 W (ERP)	
		200MW7W		
		300MW7W		
		400MW7W		
		500MW7W		
		600MW7W		
		700MW7W		
		800MW7W		

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) Operation is subject to prior coordination with the Fixed Microwave Services licensees in accordance with 47 CFR, Part 101.103(d) prior to commencing the test operations.
- (4) Licensee must avoid pointing the transmitting antenna within 10 degrees of any point on the geostationary orbital arc while transmitting signals in the 27.5-29.5 GHz band.
- (5) Licensee shall ensure that the transmitting base fixed station antenna(s) tip down and avoid pointing above the horizon in order to protect satellite stations in the geostationary orbital arc.
- (6) Experimental station shall use the minimum power level necessary to close the communications link to minimize potential interference.
- (7) In the near future, in the 27.5-30 GHz band, there will be new NGSO satellite operators. NGSO satellites operate at a lower altitude and hence the need to revise the condition to maintain EM compatible with the new satellite operators. IB's analysis show that interference is possible at lower orbits. Further renewal shall be coordinated with IB again.