

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

EXPERIMENTAL

(Nature of Service)

WN9XQN

(Call Sign)

XT MO

(Class of Station)

1875-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: Las Vegas, NV, within 3.2 km, centered around NL 36-07-21; WL 115-09-32

Frequency Information

MOBILE: Las Vegas, NV, within 3.2 km, centered around NL 36-07-21; WL 115-09-32

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
3.4-3.7 GHz	MO	20M0W7W 40M0W7W 60M0W7W 80M0W7W 100MW7W 200MW7W	2.512 W (ERP)	
26.5-27.5 GHz	MO	200MW7W 300MW7W	609.5 W (ERP)	

This authorization effective December 10, 2018 and
will expire 3:00 A.M. EST February 01, 2019

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

MOBILE: Las Vegas, NV, within 3.2 km, centered around NL 36-07-21; WL 115-09-32

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
26.5-27.5 GHz	MO	400MW7W 100MW7W	609.5 W (ERP)	
26.5-27.5 GHz	MO	400MW7W 300MW7W 200MW7W 100MW7W	966 W (ERP)	
27.5-29.5 GHz	MO	200MW7W	156 W (ERP)	
27.5-29.5 GHz	MO	300MW7W	240 W (ERP)	
27.5-29.5 GHz	MO	100MW7W	80 W (ERP)	
27.5-29.5 GHz	MO	400MW7W	320 W (ERP)	
37-40 GHz	MO	100MW7W 200MW7W 300MW7W 400MW7W	609.5 W (ERP)	

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.

Special Conditions:

- (3) 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 3.4-3.7 GHz band.
- (4) 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 area.
- (5) Coordinate with the Fixed Microwave Service licensees in accordance with 47 CFR.Part 101.103(d) prior to operation in 37-40 GHz band.
- (6) Operations in the 27.5-29.5 GHz band are limited to the following power (ERP) levels:
Frequency band Emission power (ERP)
27.5-29.5 GHz 100MW7W 80 W
27.5-29.5 GHz 200MW7W 156 W
27.5-29.5 GHz 300MW7W 240 W
27.5-29.5 GHz 400MW7W 320 W
- (7) Licensee must avoid pointing the transmitting antenna main beam gain within 10 degrees of any point on the geostationary orbital arc while transmitting signals in the 27.5-29.5 GHz band.