

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

EXPERIMENTAL

(Nature of Service)

WJ2XCN

(Call Sign)

XD FX

(Class of Station)

0412-EX-CR-2019

(File Number)

NAME Qualcomm Technologies, Inc.

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) San Diego (SAN DIEGO), CA - NL 32-54-14; WL 117-11-47

Frequency Information

San Diego (SAN DIEGO), CA - NL 32-54-14; WL 117-11-47

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
11.7-12.2 GHz	FX	100HN0N	2.9 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) The station identification requirements of Section 5.115 of the Commission's Rules are waived.
- (3) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (4) Licensee be aware that FSS receive earth stations are licensed on these frequency band and if any interference occurs, the experimental licensee of this authorization will be subject to immediate shut down.
- (5) Operations in the 11.7–12.2 GHz band authorized fixed station to point south only at azimuth 175 degrees with +/- 2 degrees as set forth by the applicant.

This authorization effective September 01, 2019 and
will expire 3:00 A.M. EST September 01, 2021

**FEDERAL
COMMUNICATIONS
COMMISSION**



Special Conditions:

- (6) Stop buzzer contact: Mr. Brain Jones at (858) 658-4751 and email: brjones@qti.qualcomm.com or ku.spectrum.shutdown@qti.qualcomm.com.
- (7) At least 5 business days prior to operating, Qualcomm Technologies, Inc., must notify licensees of earth stations operating in the 11.7-12.2 GHz band within 15 kilometers of the locations from which experimental operations will occur. Qualcomm Technologies, Inc., 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 11.7-12.2 GHz band.
- (8) At least 5 business days prior to operating, Qualcomm Technologies, Inc., must coordinate and obtain a mutual agreement with licensees of earth stations operating in the 11.7-12.2 GHz band within 5 kilometers of the locations from which experimental operations will occur.