

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

EXPERIMENTAL

(Nature of Service)

XD FX

(Class of Station)

WK9XXU

(Call Sign)

0186-EX-ST-2017

(File Number)

NAME Qualcomm Technologies, Inc.

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:

Short range, low power, satellite antenna testing is needed using a CW signal.

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 (+/-)
11.2-12.2 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) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.

This authorization effective March 08, 2017 and
will expire 3:00 A.M. EST September 02, 2017

**FEDERAL
COMMUNICATIONS
COMMISSION**



Special Conditions:

- (3) 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.
- (4) 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.
- (5) Stop buzzer contact: Mr. Brain Jones at (858) 837-2104 and email: brjones@qualcomm.com
- (6) 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.
- (7) 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.
- (8) Operation is subject to prior coordination with the Fixed Microwave Service licensees in accordance with 47 CFR, Part 101.103.(d).