

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

EXPERIMENTAL

(Nature of Service)

WL9XIT

(Call Sign)

XT FX

(Class of Station)

0772-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 CW signal. Please see attachment for technical details

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 (+/-)
12.2-12.7 GHz	FX	100HN0N	36 mW (ERP)	

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.

This authorization effective July 01, 2017 and
will expire 3:00 A.M. EST December 31, 2017

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COMMISSION**



Special Conditions:

- (3) Operations in the 12.2-12.7 GHz band was obtained based on the written consent from DirecTV/AT&T, EchoStar and DISH Network with the following conditions:
 - (a) Maximum transmit E.I.R.P. is -14 dBW.
 - (b) The fixed transmitter location is in latitude 32 54 13.2; longitude 117 11 47.1.
 - (c) Antenna pointing is limited to elevation angle at 2.5 degrees and azimuth 172.8 degrees.
 - (d) Transmitter height (above ground level) 60 feet.
 - (e) Waveform type is limited to continuous wave (CW).
 - (f) Maximum period of operation is 6 months from the date the grant is issue.
 - (g) Link operation activity (typically) from Monday to Friday, 8:00 am to 6 pm PST with a duration of 20 minutes repeated 6 times daily.
 - (i) Frequency of operation consistent with Direct Broadcast Satellite (DBS) guard bands.
 - (j) Antenna pattern as describe in File No. 0772-EX-ST-2017, exhibit document.
- (4) Stop buzzer contacts is Brian Jones at phone (858) 658-4751 or (858) 837-2104 (24 hours), email: brjones@qualcomm.com
- (5) Further requests for extension of the authority granted herein must be filed on Form 442, "Application for New or Modified Radio Station Authorization under Part 5 of FCC Rules - Experimental Radio Service." Future STA requests to extend this authorization will not be considered.