

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

EXPERIMENTAL

(Nature of Service)

WN9XSS

(Call Sign)

XT    FX

(Class of Station)

2043-EX-ST-2018

(File Number)

NAME Qualcomm Technologies Incorporated

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:**

An STA is required to perform 6GHz building attenuation measurements in support of a pending FCC rule making on indoor 6GHz unlicensed devices.

Station Locations

- (1) Sorrento Valley (SAN DIEGO), CA - NL 32-53-41; WL 117-11-45
- (2) Sorrento Valley (SAN DIEGO), CA - NL 32-54-11; WL 117-11-35
- (3) Sorrento Valley (SAN DIEGO), CA - NL 32-53-52; WL 117-11-47
- (4) Sorrento Valley (SAN DIEGO), CA - NL 32-53-41; WL 117-11-45
- (5) Sorrento Valley (SAN DIEGO), CA - NL 32-53-52; WL 117-11-47
- (6) Sorrento Valley (SAN DIEGO), CA - NL 32-54-11; WL 117-11-35

**Frequency Information**

Sorrento Valley (SAN DIEGO), CA - NL 32-53-41; WL 117-11-45

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
6000.25-6001.25 MHz	FX	1H00N0N	6 mW (ERP)	1.0E-8 %
6500.5-6500.500001 MHz	FX	1H00N0N	6 mW (ERP)	1.0E-8 %

This authorization effective January 01, 2019 and will expire 3:00 A.M. EST June 02, 2019

**FEDERAL  
COMMUNICATIONS  
COMMISSION**



## Frequency Information

Sorrento Valley (SAN DIEGO), CA - NL 32-53-41; WL 117-11-45

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
7005-7005.000001 MHz	FX	1H00N0N	6 mW (ERP)	1.0E-8 %

Sorrento Valley (SAN DIEGO), CA - NL 32-54-11; WL 117-11-35

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
6000.25-6001.25 MHz	FX	1H00N0N	6 mW (ERP)	1.0E-8 %
6500.5-6500.500001 MHz	FX	1H00N0N	6 mW (ERP)	1.0E-8 %
7005-7005.000001 MHz	FX	1H00N0N	6 mW (ERP)	1.0E-8 %

Sorrento Valley (SAN DIEGO), CA - NL 32-53-52; WL 117-11-47

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
6000.25-6001.25 MHz	FX	1H00N0N	6 mW (ERP)	1.0E-8 %
6500.5-6500.500001 MHz	FX	1H00N0N	6 mW (ERP)	1.0E-8 %
7005-7005.000001 MHz	FX	1H00N0N	6 mW (ERP)	1.0E-8 %

## Frequency Information

Sorrento Valley (SAN DIEGO), CA - NL 32-53-41; WL 117-11-45

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
6000.25-6001.25 MHz	FX	1H00N0N	6 mW (ERP)	1.0E-8 %
6500.5-6500.500001 MHz	FX	1H00N0N	6 mW (ERP)	1.0E-8 %
7005-7005.000001 MHz	FX	1H00N0N	6 mW (ERP)	1.0E-8 %

Sorrento Valley (SAN DIEGO), CA - NL 32-53-52; WL 117-11-47

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
6000.25-6001.25 MHz	FX	1H00N0N	6 mW (ERP)	1.0E-8 %
6500.5-6500.500001 MHz	FX	1H00N0N	6 mW (ERP)	1.0E-8 %
7005-7005.000001 MHz	FX	1H00N0N	6 mW (ERP)	1.0E-8 %

Sorrento Valley (SAN DIEGO), CA - NL 32-54-11; WL 117-11-35

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
6000.25-6001.25 MHz	FX	1H00N0N	6 mW (ERP)	1.0E-8 %

## Frequency Information

Sorrento Valley (SAN DIEGO), CA - NL 32-54-11; WL 117-11-35

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
6500.5-6500.500001 MHz	FX	1H00N0N	6 mW (ERP)	1.0E-8 %
7005-7005.000001 MHz	FX	1H00N0N	6 mW (ERP)	1.0E-8 %

## Special Conditions:

- (1) Licensee is required to coordinate operations with existing microwave users in the area to avoid interference.
- (2) Operation is subject to prior coordination with the local Society of Broadcast Engineers, Inc. (SBE) frequency coordinator. Consult the list at [https://www.sbe.org/sections/freq\\_local.php](https://www.sbe.org/sections/freq_local.php) to find the appropriate coordinator.
- (3) 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.
- (4) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (5) Licensee must ensure that the transmitting antenna(s) main beam do not point above the horizon in order to protect satellite space stations operating in overlapping frequency bands.
- (6) Experimental station shall use the minimum power level necessary to establish communications links to minimize potential interference to licensed users.
- (7) The stop buzzer contact for this project is John Forrester at 858-845-7428, Email: [jforrest@qti.qualcomm.com](mailto:jforrest@qti.qualcomm.com)
- (8) 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.