

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

EXPERIMENTAL

(Nature of Service)

WM9XWJ

(Call Sign)

XT FX MO

(Class of Station)

1578-EX-ST-2018

(File Number)

NAME Cellco Partnership d/b/a Verizon Wireless

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:

Understand the characteristics of mmWave operating bands, specifically 28 GHz and 39 GHz, channel bandwidths, and U/L ratios for residential/commercial deployments

Station Locations

- (1) Wailea, HI - NL 20-40-52; WL 156-26-19; MOBILE: Wailea, HI, within 1 km, centered around NL 20-40-52; WL 156-26-19

Frequency Information

Wailea, HI - NL 20-40-52; WL 156-26-19; MOBILE: Wailea, HI, within 1 km, centered around NL 20-40-52; WL 156-26-19

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
27.5-28.35 GHz	FX	840MG7W 840MG7W 840MG7W 840MG7W	316 W (ERP)	
27.5-28.35 GHz	MO	840MG7W 840MG7W 840MG7W	200 mW (ERP)	

This authorization effective September 20, 2018 and
will expire 3:00 A.M. EST March 01, 2019

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

Wailea, HI - NL 20-40-52; WL 156-26-19; MOBILE: Wailea, HI, within 1 km, centered around NL 20-40-52; WL 156-26-19

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
27.5-28.35 GHz	MO	840MG7W	200 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.
- (3) Cellco Partnership coordinate with the Fixed Microwave Service licensees in accordance with 47 CFR. Part 101.103 (d) prior to operation in the requested frequency bands.
- (4) 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 27.5-28.35 GHz band.
- (5) No automatic renewal for operations in the 27.5-28.35 GHz band.
- (6) Licensee shall ensure that the transmitting station antenna(s) main beam gain tip down when possible and avoid pointing above the horizon to protect satellite stations.
- (7) 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.