

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

EXPERIMENTAL

(Nature of Service)

WJ9XPO

(Call Sign)

XT      FX MO

(Class of Station)

0765-EX-ST-2016

(File Number)

NAME 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 28GHz, including channel bandwidths, and U/L ratios for residential/commercial deployments.

**Station Locations**

- (1) Euless (TARRANT), TX - NL 32-51-04; WL 97-04-13; MOBILE: Euless, TX, within 1.5 km, centered around NL 32-51-04; WL 97-04-13
- (2) South Plainfield (MIDDLESEX), NJ - NL 40-33-17; WL 74-25-48; MOBILE: South Plainfield, NJ, within 1.5 km, centered around NL 40-33-17; WL 74-25-48

**Frequency Information**

Euless (TARRANT), TX - NL 32-51-04; WL 97-04-13; MOBILE: Euless, TX, within 1.5 km, centered around NL 32-51-04; WL 97-04-13

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
27.5-28.5 GHz	FX	800MW9W	100 W (ERP)	
27.5-28.5 GHz	FX	800MW9W	630.957 W (ERP)	
27.5-28.5 GHz	MO	100MW7W	2512 mW (ERP)	

This authorization effective May 26, 2016 and  
will expire 3:00 A.M. EST October 01, 2016

**FEDERAL  
COMMUNICATIONS  
COMMISSION**



## Frequency Information

Euless (TARRANT), TX - NL 32-51-04; WL 97-04-13; MOBILE: Euless, TX, within 1.5 km, centered around NL 32-51-04; WL :

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
27.5-28.5 GHz	MO	200MW7W 400MW7W 800MW7W	2512 mW (ERP)	
27.5-28.5 GHz	MO	800MG7W 800MW7W 800MW7W	19.95 W (ERP)	
27.525-28.325 GHz	FX	800MG7W 800MW7W 800MG7W 800MK1W	630.95 W (ERP)	

South Plainfield (MIDDLESEX), NJ - NL 40-33-17; WL 74-25-48; MOBILE: South Plainfield, NJ, within 1.5 km, centered aroun

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## Frequency Information

South Plainfield (MIDDLESEX), NJ - NL 40-33-17; WL 74-25-48; MOBILE: South Plainfield, NJ, within 1.5 km, centered around

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
27.525-28.325 GHz	FX	800MW7W 800MG7W 800MK1W	630.95 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.
- (3) In each proposed venue, the applicant must coordinate with the Fixed Microwave Service licensees prior to commencing test operations.
- (4) Prior to operation, licensee must coordinate with stations authorized to operate in these frequency bands that are located within a within a 25 mile radius of the transmitter.