Rob Smith, One Verizon Way, Basking Ridge, NJ 07920,

United States of America
FEDERAL COMMUNICATIONS COMMISSION
EXPERIMENTAL
SPECIAL TEMPORARY AUTHORIZATION

EXPERIMENTAL	WK9XRF
(Nature of Service)	(Call Sign)
XT FX MO	1661-EX-ST-2016
(Class of Station)	(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:
The purpose of the proposed operations is to conduct a market trial of new communications equipment pursuant to Sections 5.3(k) and 5.602 of the FCCs rules.

Station Locations
(1) MOBILE: Arlington, VA, within 5 km, centered around NL 38-51-29; WL 77-03-15
(2) Arlington (ARLINGTON), VA - NL 38-51-29; WL 77-03-15
(3) Chantilly (FAIRFAX), VA - NL 38-54-12; WL 77-25-30
(4) MOBILE: Chantilly, VA, within 5 km, centered around NL 38-54-12; WL 77-25-30
(5) Falls Church (FAIRFAX), VA - NL 38-50-46; WL 77-07-21
(6) MOBILE: Baileys Crossroads, VA, within 5 km, centered around NL 38-50-46; WL 77-07-21
(7) Washington (DIST OF COLUMBIA), DC - NL 38-56-38; WL 76-59-30
(8) MOBILE: Washington, DC, within 3 km, centered around NL 38-56-38; WL 76-59-30

Frequency Information

MOBILE: Arlington, VA, within 5 km, centered around NL 38-51-29; WL 77-03-15

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
27.525-28.325 GHz	MO		19.95 W (ERP)	
		800MG7W		
		800MW7W		
		800MW7W		

This authorization effective December 27, 2016 and
will expire 3:00 A.M. EST June 13, 2017

FEDERAL COMMUNICATIONS COMMISSION

Frequency Information

MOBILE: Arlington, VA, within 5 km, centered around NL 38-51-29; WL 77-03-15

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
27.525-28.325 GHz	MO		19.95 W (ERP)	
		800MK1W		

Arlington (ARLINGTON), VA - NL 38-51-29; WL 77-03-15

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
27.525-28.325 GHz	FX		630.95 W (ERP)	
		800MG7W		
		800MW7W		
		800MW7W		
		800MK1W		

Chantilly (FAIRFAX), VA - NL 38-54-12; WL 77-25-30

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
27.525-28.325 GHz	FX		630.95 W (ERP)	
		800MG7W		
		800MW7W		
		800MW7W		
		800MK1W		

MOBILE: Chantilly, VA, within 5 km, centered around NL 38-54-12; WL 77-25-30

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
27.525-28.325 GHz	MO		19.95 W (ERP)	
		800MG7W		
		800MW7W		
		800MW7W		

Frequency Information

MOBILE: Chantilly, VA, within 5 km, centered around NL 38-54-12; WL 77-25-30

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
27.525-28.325 GHz	MO		19.95 W (ERP)	
		800MK1W		

Falls Church (FAIRFAX), VA - NL 38-50-46; WL 77-07-21

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
27.525-28.325 GHz	FX		630.95 W (ERP)	
		800MG7W		
		800MW7W		
		800MW7W		
		800MK1W		

MOBILE: Baileys Crossroads, VA, within 5 km, centered around NL 38-50-46; WL 77-07-21

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
27.525-28.325 GHz	MO		19.95 W (ERP)	
		800MG7N		
		800MW7W		
		800MW7W		
		800MK1W		

Washington (DIST OF COLUMBIA), DC - NL 38-56-38; WL 76-59-30

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
27.525-28.325 GHz	FX		630.95 W (ERP)	
		800MG7W		
		800MW7W		
		800MW7W		

Frequency Information

Washington (DIST OF COLUMBIA), DC - NL 38-56-38; WL 76-59-30

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
27.525-28.325 GHz	FX		630.95 W (ERP)	
		800MK1W		

MOBILE: Washington, DC, within 3 km, centered around NL 38-56-38; WL 76-59-30

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
27.525-28.325 GHz	MO		19.95 W (ERP)	
		800MG7W		
		800MW7W		
		800MW7W		
		800MK1W		

Special Conditions:

(1) Licensee is required to coordinate operations with existing microwave users in the area to avoid interference.

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

(4) All transmitting and/or receiving equipment used in the study shall be owned by the licensee.

(5) Licensee is required to ensure that trial devices are either rendered inoperable or retrieved by them from trial participants at the conclusion of the trial. Licensee is required to notify trial participants in advance that operation of the trial device is subject to this condition.

(6) Prior to the start of any operations in the 27.535 - 28.325 GHz band, experimental licensee must notify the National Spectrum Managers Association (NSMA) frequency coordinator by e-mail. This notice must include the name and contact information of the stop buzzer personnel. It must also include the testing parameters, day and times of each testing.

NSMA contact information can be found in the website: http://wireless.fcc.gov/services/index.htm?job=licensing_1&id=microwave.

(7) Experimental station shall use the minimum power level necessary to close the communications link to minimize potential interference to geostationary satellite networks.

Special Conditions:

(8) For the fixed base station and mobile station, antennas should pointing towards the north as much as possible and if any antennas pointing South, Southwest, Southeast, the maximum antenna main beam boresight elevation must be 0 degree or below from the horizon.