

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

EXPERIMENTAL

(Nature of Service)

WK9XNE

(Call Sign)

XT MO

(Class of Station)

1464-EX-ST-2016

(File Number)

NAME Shared Spectrum Company

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:

Measurement of the air-to-ground propagation loss of an an instrumentation system in high clutter environments.

Station Locations

- (1) MOBILE: Idylwood, VA, within 12 km, centered around NL 38-54-22; WL 77-12-18
- (2) MOBILE: Washington, DC St. Elizabeths, within 12 km, centered around NL 38-52-52; WL 77-00-47
- (3) MOBILE: Washington DC Rural Area NW, within 12 km, centered around NL 39-10-01; WL 77-24-12
- (4) MOBILE: Washington DC Rural Forrested SE, within 12 km, centered around NL 38-42-36; WL 76-45-42
- (5) MOBILE: Fort Meyers, FL, within 20 km, centered around NL 26-37-08; WL 81-59-23
- (6) MOBILE: Englewood, FL, within 18 km, centered around NL 26-56-02; WL 82-14-16
- (7) MOBILE: Big Cypress, FL Rural, within 45 km, centered around NL 26-07-38; WL 81-13-42
- (8) MOBILE: Baltimore, MD Downtown, within 5 km, centered around NL 39-17-25; WL 76-36-58

This authorization effective November 01, 2016 and
will expire 3:00 A.M. EST December 01, 2016

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

MOBILE: Idylwood, VA, within 12 km, centered around NL 38-54-22; WL 77-12-18

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1757.5-1757.6 MHz	MO	100KN8N	1 W (ERP)	0.00004 %
1762.5-1762.6 MHz	MO	100KN8N	1 W (ERP)	0.00004 %
1767.5-1767.6 MHz	MO	100KN8N	1 W (ERP)	0.00004 %
1775-1775.1 MHz	MO	100KN8N	1 W (ERP)	0.00004 %
1780.5-1780.6 MHz	MO	100KN8N	1 W (ERP)	0.00004 %

MOBILE: Washington, DC St. Elizabeths, within 12 km, centered around NL 38-52-52; WL 77-00-47

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1757.5-1757.6 MHz	MO	100KN8N	1 W (ERP)	0.00004 %
1762.5-1762.6 MHz	MO	100KN8N	1 W (ERP)	0.00004 %
1767.5-1767.6 MHz	MO	100KN8N	1 W (ERP)	0.00004 %
1775-1775.1 MHz	MO	100KN8N	1 W (ERP)	0.00004 %

Frequency Information

MOBILE: Washington, DC St. Elizabeths, within 12 km, centered around NL 38-52-52; WL 77-00-47

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1780.5-1780.6 MHz	MO	100KN8N	1 W (ERP)	0.00004 %

MOBILE: Washington DC Rural Area NW, within 12 km, centered around NL 39-10-01; WL 77-24-12

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1757.5-1757.6 MHz	MO	100KN8N	1 W (ERP)	0.00004 %
1762.5-1762.6 MHz	MO	100KN8N	1 W (ERP)	0.00004 %
1767.5-1767.6 MHz	MO	100KN8N	1 W (ERP)	0.00004 %
1775-1775.1 MHz	MO	100KN8N	1 W (ERP)	0.00004 %
1780.5-1780.6 MHz	MO	100KN8N	1 W (ERP)	0.00004 %

MOBILE: Washington DC Rural Forrested SE, within 12 km, centered around NL 38-42-36; WL 76-45-42

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1757.5-1757.6 MHz	MO	100KN8N	1 W (ERP)	0.00004 %

Frequency Information

MOBILE: Washington DC Rural Forrested SE, within 12 km, centered around NL 38-42-36; WL 76-45-42

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1762.5-1762.6 MHz	MO	100KN8N	1 W (ERP)	0.00004 %
1767.5-1767.6 MHz	MO	100KN8N	1 W (ERP)	0.00004 %
1775-1775.1 MHz	MO	100KN8N	1 W (ERP)	0.00004 %
1780.5-1780.6 MHz	MO	100KN8N	1 W (ERP)	0.00004 %

MOBILE: Fort Meyers, FL, within 20 km, centered around NL 26-37-08; WL 81-59-23

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1757.5-1757.6 MHz	MO	100KN8N	1 W (ERP)	0.00004 %
1762.5-1762.6 MHz	MO	100KN8N	1 W (ERP)	0.00004 %
1767.5-1767.6 MHz	MO	100KN8N	1 W (ERP)	0.00004 %
1775-1775.1 MHz	MO	100KN8N	1 W (ERP)	0.00004 %
1780.5-1780.6 MHz	MO	100KN8N	1 W (ERP)	0.00004 %

Frequency Information

MOBILE: Englewood, FL, within 18 km, centered around NL 26-56-02; WL 82-14-16

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1757.5-1757.6 MHz	MO	100KN8N	1 W (ERP)	0.00004 %
1762.5-1762.6 MHz	MO	100KN8N	1 W (ERP)	0.00004 %
1767.5-1767.6 MHz	MO	100KN8N	1 W (ERP)	0.00004 %
1775-1775.1 MHz	MO	100KN8N	1 W (ERP)	0.00004 %
1780.5-1780.6 MHz	MO	100KN8N	1 W (ERP)	0.00004 %

MOBILE: Big Cypress, FL Rural, within 45 km, centered around NL 26-07-38; WL 81-13-42

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1757.5-1757.6 MHz	MO	100KN8N	1 W (ERP)	0.0001 %
1762.5-1762.6 MHz	MO	100KN8N	1 W (ERP)	0.0001 %
1767.5-1767.6 MHz	MO	100KN8N	1 W (ERP)	0.0001 %
1775-1775.1 MHz	MO	100KN8N	1 W (ERP)	0.0001 %

Frequency Information

MOBILE: Big Cypress, FL Rural, within 45 km, centered around NL 26-07-38; WL 81-13-42

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1780.5-1780.6 MHz	MO	100KN8N	1 W (ERP)	0.0001 %

MOBILE: Baltimore, MD Downtown, within 5 km, centered around NL 39-17-25; WL 76-36-58

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1757.5-1757.6 MHz	MO	100KM8N	1 W (ERP)	0.00004 %
1762.5-1762.6 MHz	MO	100KM8N	1 W (ERP)	0.00004 %
1767.5-1767.6 MHz	MO	100KM8N	1 W (ERP)	0.00004 %
1775-1775.1 MHz	MO	100KM8N	1 W (ERP)	0.00004 %
1780.5-1780.6 MHz	MO	100KM8N	1 W (ERP)	0.00004 %

Special Conditions:

- (1) Operation in the 1695-1780 MHz, 1915-1920 MHz, 1995-2020 MHz or 2110-2200 MHz band requires consent of local Advanced Wireless Service (AWS) licensee(s) to avoid interference.

Special Conditions:

- (2) Due to the length of use for this request, DOJ can only concur with the request for limited of 30 days and Re-coordination is required every 30 days so that we can assess the potential impact to DOJ US&P assignments/operations in the requested areas. Please direct the re-coordination to Quan Vu and Julio Laguardia:

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