

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

EXPERIMENTAL

(Nature of Service)

WN9XFW

(Call Sign)

XT FX MO

(Class of Station)

1503-EX-ST-2018

(File Number)

NAME The KeyW Corporation

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:

Applicant seeks FCC Special Temporary Authority to conduct system integration testing and demonstrations utilizing an innovative airborne radar service. See Attachments A & B and

Station Locations

- (1) Midlothian (ELLIS), TX - NL 32-27-30; WL 96-54-45; MOBILE: within 10 km of centerpoint coordinates, within 10 km, centered around NL 32-27-30; WL 96-54-45
- (2) MOBILE: Brownwood MOA, TX. within 90km radius of centerpoint coordinates, within 90 km, centered around NL 31-34-26; WL 99-04-00
- (3) White Sands (OTERO), NM - NL 33-02-18; WL 106-10-48; MOBILE: White Sands, NM within 25km of centerpoint coordinates, within 25 km, centered around NL 33-02-18; WL 106-10-48
- (4) MOBILE: White Sands, NM within 70km of centerpoint coordinates, within 70 km, centered around NL 33-24-18; WL 106-12-55

Frequency Information

Midlothian (ELLIS), TX - NL 32-27-30; WL 96-54-45; MOBILE: within 10 km of centerpoint coordinates, within 10 km, centered

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
15161-15339 MHz	FX	21M4G1D	1 W (ERP)	

This authorization effective September 17, 2018 and
will expire 3:00 A.M. EST November 17, 2018

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

MOBILE: Brownwood MOA, TX. within 90km radius of centerpoint coordinates, within 90 km, centered around NL 31-34-26; WL 99-04-00

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
9200-10200 MHz	MO	1G01Q3N	2500 W (ERP)	
14550-14680 MHz	MO	295MG1D	56.2 W (ERP)	

White Sands (OTERO), NM - NL 33-02-18; WL 106-10-48; MOBILE: White Sands, NM within 25km of centerpoint coordinate:

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
15161-15339 MHz	FX	21M4G1D	1 W (ERP)	

MOBILE: White Sands, NM within 70km of centerpoint coordinates, within 70 km, centered around NL 33-24-18; WL 106-12-55

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
9200-10200 MHz	MO	1G01Q3N	2500 W (ERP)	
14550-14680 MHz	MO	295MG1D	56.2 W (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.

Special Conditions:

- (3) The KeyW Corporation must coordinate operations at the White Sands Missile Range through the Naval Surface Warfare Center, Port Hueneme Division, WSMR Navy Detachment, who is the program sponsor. Final authorization to radiate shall be contingent upon successful scheduling and de-confliction of both airspace, and spectrum, with other area operations.
- (4) The KeyW Corporation must ensure that the downlink in the 14550-14680 MHz range is not directed towards nor cause interference to FAA microwave operations in Albuquerque, NM, Anson, TX, and San Antonio, TX.
- (5) The KeyW Corporation must notch out the following at the New Mexico locations; 9389.9 MHz (+/- 500 MHz), 9900 MHz (+/- 500 MHz), 14650 MHz (+/- 148 MHz), 15250 MHz (+/- 11 MHz).