

United States of America
FEDERAL COMMUNICATIONS COMMISSION
EXPERIMENTAL
RADIO STATION CONSTRUCTION PERMIT
AND LICENSE

EXPERIMENTAL
(Nature of Service)

XT FX MO
(Class of Station)

WK2XHX
(Call Sign)

0400-EX-CN-2019
(File Number)

NAME Southwest Research Institute

Subject to the provisions of the Communications Act of 1934, subsequent acts, and treaties, and all regulations heretofore or hereafter made by this Commission, and further subject to the conditions and requirements set forth in this license, the licensee hereof is hereby authorized to use and operate the radio transmitting facilities hereinafter described for radio communications in accordance with the program of experimentation described by the licensee in its application for license.

Operation: In accordance with Sec. 5.3(g & j) of the Commission's Rules

Station Locations

- (1) San Antonio (BEXAR), TX - NL 29-26-29; WL 98-37-56; MOBILE: Within 5km of fixed base coordinates, within 5 km, centered around NL 29-26-29; WL 98-37-56

Frequency Information

San Antonio (BEXAR), TX - NL 29-26-29; WL 98-37-56; MOBILE: Within 5km of fixed base coordinates, within 5 km, centered

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2905 MHz	FX	2K00N0N	10 W (ERP)	
2955 MHz	FX	2K00N0N	10 W (ERP)	
3005 MHz	FX	2K00N0N	10 W (ERP)	
3065 MHz	FX	2K00N0N	10 W (ERP)	

This authorization effective July 18, 2019 and
will expire 3:00 A.M. EST August 01, 2024

FEDERAL
COMMUNICATIONS
COMMISSION



Frequency Information

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Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
3105 MHz	FX	2K00N0N	10 W (ERP)	
3155 MHz	FX	2K00N0N	10 W (ERP)	
3205 MHz	FX	2K00N0N	10 W (ERP)	
3255 MHz	FX	2K00N0N	10 W (ERP)	
3275 MHz	FX	2K00N0N	10 W (ERP)	
3325 MHz	FX	2K00N0N	10 W (ERP)	
3342 MHz	FX	2K00N0N	10 W (ERP)	
3365 MHz	FX	2K00N0N	10 W (ERP)	
3415 MHz	FX	2K00N0N	10 W (ERP)	
3465 MHz	FX	2K00N0N	10 W (ERP)	

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3515 MHz	FX	2K00N0N	10 W (ERP)	
3565 MHz	FX	2K00N0N	10 W (ERP)	
4405 MHz	FX	2K00N0N	10 W (ERP)	
4455 MHz	FX	2K00N0N	10 W (ERP)	
5255 MHz	FX	2K00N0N	10 W (ERP)	
5305 MHz	FX	2K00N0N	10 W (ERP)	
5345 MHz	FX	2K00N0N	10 W (ERP)	
5480 MHz	FX	2K00N0N	10 W (ERP)	
5530 MHz	FX	2K00N0N	10 W (ERP)	
5580 MHz	FX	2K00N0N	10 W (ERP)	

Frequency Information

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Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
5630 MHz	FX	2K00N0N	10 W (ERP)	
5680 MHz	FX	2K00N0N	10 W (ERP)	
5730 MHz	FX	2K00N0N	10 W (ERP)	
5780 MHz	FX	2K00N0N	10 W (ERP)	
5830 MHz	FX	2K00N0N	10 W (ERP)	
5880 MHz	FX	2K00N0N	10 W (ERP)	
5930 MHz	FX	2K00N0N	10 W (ERP)	
5980 MHz	FX	2K00N0N	10 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) Southwest Research Institute must coordinate with the Fixed Microwave Service licensees in accordance with 47 C.F.R. Part 101.103(d) prior to operation on 5930 MHz and 5980 MHz.

Special Conditions:

- (4) The stop buzzer contact for this project is Patrick Siemsen
Phone: (210) 522-2995 Email: psiemsen@swri.org
- (5) Experimental station shall use the minimum power level necessary to establish communications links to minimize potential interference to licensed users.