

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

EXPERIMENTAL

(Nature of Service)

XC FX

(Class of Station)

WI2XEE

(Call Sign)

0027-EX-CR-2018

(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(c & e) of the Commission's Rules

Station Locations

(1) San Antonio (BEXAR), TX - NL 29-26-29; WL 98-36-55

Frequency Information

San Antonio (BEXAR), TX - NL 29-26-29; WL 98-36-55

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2-2.1735 MHz	FX	15K0G1N 50K0D3N 100KD3N 50K0G1N 100KG1N 15K0D3N	100 mW (ERP)	
2.1905-2.495 MHz	FX	15K0G1N 50K0D3N 100KD3N 50K0G1N 100KG1N	100 mW (ERP)	

This authorization effective March 01, 2018 and
will expire 3:00 A.M. EST March 01, 2021

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

San Antonio (BEXAR), TX - NL 29-26-29; WL 98-36-55

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2.1905-2.495 MHz	FX	15K0D3N	100 mW (ERP)	
2.505-4.125 MHz	FX	15K0G1N 50K0D3N 100KD3N 50K0G1N 100KG1N 15K0D3N	100 mW (ERP)	
4.128-4.1772 MHz	FX	15K0G1N 15K0D3N	100 mW (ERP)	
4.1778-4.2072 MHz	FX	15K0G1N 15K0D3N	100 mW (ERP)	
4.2078-4.995 MHz	FX	15K0G1N 50K0D3N 100KD3N 50K0G1N 100KG1N 15K0D3N	100 mW (ERP)	
5.005-6.215 MHz	FX	15K0G1N 50K0D3N 100KD3N 50K0G1N 100KG1N	100 mW (ERP)	

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Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
5.005-6.215 MHz	FX	15K0D3N	100 mW (ERP)	
6.218-6.2677 MHz	FX	15K0G1N 15K0D3N	100 mW (ERP)	
6.2683-6.3177 MHz	FX	15K0G1N 15K0D3N	100 mW (ERP)	
6.3123-8.291 MHz	FX	15K0G1N 50K0D3N 100KD3N 50K0G1N 100KG1N 15K0D3N	100 mW (ERP)	
8.294-8.362 MHz	FX	15K0G1N 50K0D3N 50K0G1N 15K0D3N	100 mW (ERP)	
8.3868-8.4142 MHz	FX	15K0G1N 15K0D3N	100 mW (ERP)	
8.4148-9.995 MHz	FX	15K0G1N 50K0D3N 100KD3N 50K0G1N	100 mW (ERP)	

Frequency Information

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Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
8.4148-9.995 MHz	FX	100KG1N 15K0D3N	100 mW (ERP)	
10.005-12.29 MHz	FX	15K0G1N 50K0D3N 100KD3N 50K0G1N 100KG1N 15K0D3N	100 mW (ERP)	
12.293-12.5197 MHz	FX	15K0G1N 50K0D3N 100KD3N 50K0G1N 100KG1N 15K0D3N	100 mW (ERP)	
12.5203-12.5767 MHz	FX	15K0G1N 15K0D3N 50K0G1N 50K0D3N	100 mW (ERP)	
12.5773-13.36 MHz	FX	15K0G1N 50K0D3N 100KD3N 50K0G1N 100KG1N 15K0D3N	100 mW (ERP)	

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Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
13.41-14.99 MHz	FX	15K0G1N 50K0D3N 100KD3N 50K0G1N 100KG1N 15K0D3N	100 mW (ERP)	
15.01-16 MHz	FX	15K0G1N 50K0D3N 100KD3N 50K0G1N 100KG1N 15K0D3N	100 mW (ERP)	

Special Conditions:

- (1) The station identification requirements of Section 5.115 of the Commission's Rules are waived.
- (2) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (3) This authorization is issued for the express purpose of conducting experimental operations described in the related application and required by Air Force Research Laboratory contract no. FA8650-16-C-9104, HFGeo Phase 2 and 3. The use of this radio station in any other manner or for any other purpose will constitute a violation of the privileges herein authorized. Except as subsequently authorized by the Commission, this radio station shall not be operated after the expiration date of the contract designated in the related application and enumerated above.