

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

EXPERIMENTAL

(Nature of Service)

XD FX

(Class of Station)

WD2XLC

(Call Sign)

0150-EX-RR-2009

(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(e, h) of the Commission's Rules

Station Locations

(1) San Antonio (BEXAR), TX - NL 29-26-29; WL 98-37-56

Frequency Information

San Antonio (BEXAR), TX - NL 29-26-29; WL 98-37-56

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
821 MHz	FX	NON	100 W (ERP)	
824 MHz	FX	NON	100 W (ERP)	
849 MHz	FX	NON	100 W (ERP)	
851 MHz	FX	NON	100 W (ERP)	

This authorization effective September 01, 2009 and
will expire 3:00 A.M. EST September 01, 2014

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

San Antonio (BEXAR), TX - NL 29-26-29; WL 98-37-56

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
866 MHz	FX	N0N	100 W (ERP)	
869 MHz	FX	N0N	100 W (ERP)	
894 MHz	FX	N0N	100 W (ERP)	
896 MHz	FX	N0N	100 W (ERP)	
902 MHz	FX	N0N	100 W (ERP)	
928 MHz	FX	N0N	100 W (ERP)	
930 MHz	FX	N0N	100 W (ERP)	
931 MHz	FX	N0N	100 W (ERP)	
935 MHz	FX	N0N	100 W (ERP)	
940 MHz	FX	N0N	100 W (ERP)	

Frequency Information

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Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
944 MHz	FX	N0N	100 W (ERP)	
960 MHz	FX	N0N	100 W (ERP)	
1850 MHz	FX	N0N	100 W (ERP)	
1910 MHz	FX	N0N	100 W (ERP)	
1920 MHz	FX	N0N	100 W (ERP)	
1930 MHz	FX	N0N	100 W (ERP)	
1990 MHz	FX	N0N	100 W (ERP)	
1995 MHz	FX	N0N	100 W (ERP)	
2000 MHz	FX	N0N	100 W (ERP)	
2025 MHz	FX	N0N	100 W (ERP)	

Frequency Information

San Antonio (BEXAR), TX - NL 29-26-29; WL 98-37-56

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2110 MHz	FX	N0N	100 W (ERP)	
2155 MHz	FX	N0N	100 W (ERP)	
2180 MHz	FX	N0N	100 W (ERP)	
2200 MHz	FX	N0N	100 W (ERP)	
2300 MHz	FX	N0N	100 W (ERP)	
2400 MHz	FX	N0N	100 W (ERP)	
2417 MHz	FX	N0N	100 W (ERP)	
2500 MHz	FX	N0N	100 W (ERP)	
2524 MHz	FX	N0N	100 W (ERP)	
2548 MHz	FX	N0N	100 W (ERP)	

Frequency Information

San Antonio (BEXAR), TX - NL 29-26-29; WL 98-37-56

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2572 MHz	FX	N0N	100 W (ERP)	
2602 MHz	FX	N0N	100 W (ERP)	
2626 MHz	FX	N0N	100 W (ERP)	
2655 MHz	FX	N0N	100 W (ERP)	

Special Conditions:

- (1) The station identification requirements of Section 5.115 of the Commission's Rules are waived.
- (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) Operations on 1910, 1920, 1930, and 1995 MHz are subject to prior coordination with licensee(s) to avoid interference.
- (4) This authorization is issued for the express purpose of conducting experimental operations described in the related application and required by the U.S. Government contract number N65236-04-D-7856. 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.
- (5) Operation is subject to prior coordination with Fixed Microwave licensees in the frequency band 1910-1995 MHz.
- (6) Operation in the band 2500-2655 MHz requires consent of affected existing and future Broadband Radio Service/Educational Broadband Service (BRS/EBS).