

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

EXPERIMENTAL

(Nature of Service)

WD2XLB

(Call Sign)

XD FX MO

(Class of Station)

0149-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; MOBILE: San Antonio (Bexar County), TX, 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: San Antonio (Bexar County), TX, centered around NL 2

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
450 MHz	FX	NON	40 W (ERP)	
456 MHz	FX	NON	40 W (ERP)	
460 MHz	FX	NON	40 W (ERP)	
470 MHz	FX	NON	40 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; MOBILE: San Antonio (Bexar County), TX, centered around NL 2

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
476 MHz	FX	N0N	40 W (ERP)	
482 MHz	FX	N0N	40 W (ERP)	
488 MHz	FX	N0N	40 W (ERP)	
494 MHz	FX	N0N	40 W (ERP)	
500 MHz	FX	N0N	40 W (ERP)	
506 MHz	FX	N0N	40 W (ERP)	
518 MHz	FX	N0N	40 W (ERP)	
524 MHz	FX	N0N	40 W (ERP)	
530 MHz	FX	N0N	40 W (ERP)	
536 MHz	FX	N0N	40 W (ERP)	

Frequency Information

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Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
548 MHz	FX	N0N	40 W (ERP)	
554 MHz	FX	N0N	40 W (ERP)	
560 MHz	FX	N0N	40 W (ERP)	
566 MHz	FX	N0N	40 W (ERP)	
572 MHz	FX	N0N	40 W (ERP)	
578 MHz	FX	N0N	40 W (ERP)	
584 MHz	FX	N0N	40 W (ERP)	
590 MHz	FX	N0N	40 W (ERP)	
602 MHz	FX	N0N	40 W (ERP)	
608 MHz	FX	N0N	40 W (ERP)	

Frequency Information

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Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
614 MHz	FX	N0N	40 W (ERP)	
620 MHz	FX	N0N	40 W (ERP)	
626 MHz	FX	N0N	40 W (ERP)	
638 MHz	FX	N0N	40 W (ERP)	
644 MHz	FX	N0N	40 W (ERP)	
650 MHz	FX	N0N	40 W (ERP)	
656 MHz	FX	N0N	40 W (ERP)	
662 MHz	FX	N0N	40 W (ERP)	
668 MHz	FX	N0N	40 W (ERP)	
674 MHz	FX	N0N	40 W (ERP)	

Frequency Information

SAN ANTONIO (BEXAR), TX - NL 29-26-29; WL 98-37-56; MOBILE: San Antonio (Bexar County), TX, centered around NL 2

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
680 MHz	FX	N0N	40 W (ERP)	
686 MHz	FX	N0N	40 W (ERP)	
692 MHz	FX	N0N	40 W (ERP)	
698 MHz	FX	N0N	40 W (ERP)	
704 MHz	FX	N0N	40 W (ERP)	
710 MHz	FX	N0N	40 W (ERP)	
716 MHz	FX	N0N	40 W (ERP)	
722 MHz	FX	N0N	40 W (ERP)	
728 MHz	FX	N0N	40 W (ERP)	
740 MHz	FX	N0N	40 W (ERP)	

Frequency Information

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Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
746 MHz	FX	N0N	40 W (ERP)	
764 MHz	FX	N0N	40 W (ERP)	
770 MHz	FX	N0N	40 W (ERP)	
776 MHz	FX	N0N	40 W (ERP)	
782 MHz	FX	N0N	40 W (ERP)	
788 MHz	FX	N0N	40 W (ERP)	
800 MHz	FX	N0N	40 W (ERP)	
806 MHz	FX	N0N	40 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 698-746 MHz are also subject to prior coordination with Wireless Communications Services license(es) authorized under Part 27 of the Commission's rules.

Special Conditions:

- (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) To protect Broadcast Auxiliary Low Power operations near the testing area, is subject to prior coordination with the Society of Broadcast Engineers, Inc. (SBE); ATTN: Executive Director; 9247 North Meridian Street, Suite 305; Indianapolis, IN 46260; telephone, (866) 632-4222; FAX, (317) 846-9120; e-mail: executivedir@sbe.org; information, www.sbe.org.