

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

EXPERIMENTAL

(Nature of Service)

WD2XKZ

(Call Sign)

XD FX MO

(Class of Station)

0147-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 29-2

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1605 kHz	FX	NON	40 W (ERP)	
1800 kHz	FX	NON	40 W (ERP)	
1900 kHz	FX	NON	40 W (ERP)	
3500 kHz	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 29-2

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
4000 kHz	FX	N0N	40 W (ERP)	
7000 kHz	FX	N0N	40 W (ERP)	
7300 kHz	FX	N0N	40 W (ERP)	
10150 kHz	FX	N0N	40 W (ERP)	
14000 kHz	FX	N0N	40 W (ERP)	
14350 kHz	FX	N0N	40 W (ERP)	
18068 kHz	FX	N0N	40 W (ERP)	
21450 kHz	FX	N0N	40 W (ERP)	
24890 kHz	FX	N0N	40 W (ERP)	
25070 kHz	FX	N0N	40 W (ERP)	

Frequency Information

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Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
25330 kHz	FX	N0N	40 W (ERP)	
26480 kHz	FX	N0N	40 W (ERP)	
27000 kHz	FX	N0N	40 W (ERP)	
27410 kHz	FX	N0N	40 W (ERP)	
28000 kHz	FX	N0N	40 W (ERP)	
28500 kHz	FX	N0N	40 W (ERP)	
29000 kHz	FX	N0N	40 W (ERP)	
30000 kHz	FX	N0N	40 W (ERP)	
30.56 MHz	FX	N0N	40 W (ERP)	
32 MHz	FX	N0N	40 W (ERP)	

Frequency Information

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Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
33 MHz	FX	N0N	40 W (ERP)	
34 MHz	FX	N0N	40 W (ERP)	
35 MHz	FX	N0N	40 W (ERP)	
36 MHz	FX	N0N	40 W (ERP)	
37 MHz	FX	N0N	40 W (ERP)	
38 MHz	FX	N0N	40 W (ERP)	
39 MHz	FX	N0N	40 W (ERP)	
40 MHz	FX	N0N	40 W (ERP)	
40.98 MHz	FX	N0N	40 W (ERP)	
42 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 29-2

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
43.69 MHz	FX	N0N	40 W (ERP)	
47 MHz	FX	N0N	40 W (ERP)	
50 MHz	FX	N0N	40 W (ERP)	
54 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) 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.
- (4) Due to auxiliary broadcast operation in the 54 MHz frequency, 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.