

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

EXPERIMENTAL

(Nature of Service)

XD FX

(Class of Station)

WE2XKZ

(Call Sign)

0232-EX-ML-2011

(File Number)

NAME _____ New Mexico, State of _____

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, i) of the Commission's Rules

Station Locations

- (1) Grijalva Ditch Diversion (GRANT), NM - NL 32-53-35; WL 107-59-36
- (2) Montoya Ditch Diversion (GRANT), NM - NL 32-53-10; WL 107-59-23
- (3) Kenly 1 Ditch Diversion (GRANT), NM - NL 32-52-34; WL 107-59-05
- (4) Kenly 2 Ditch Diversion (GRANT), NM - NL 32-51-55; WL 107-59-03
- (5) Heuchling 1 Ditch Diversion (GRANT), NM - NL 32-51-10; WL 107-58-23
- (6) Heuchling 2 Ditch Diversion (GRANT), NM - NL 32-50-54; WL 107-58-15
- (7) Heuchling 3 Ditch Diversion (GRANT), NM - NL 32-50-50; WL 107-57-58
- (8) Heuchling 4 Ditch Diversion (GRANT), NM - NL 32-50-50; WL 107-58-01
- (9) San Lorenzo Ditch Diversion (GRANT), NM - NL 32-50-11; WL 107-57-02
- (10) San Lorenzo Return (GRANT), NM - NL 32-50-10; WL 107-57-01
- (11) Nan (GRANT), NM - NL 32-39-40; WL 107-50-38
- (12) Swartz (GRANT), NM - NL 32-42-36; WL 107-50-53
- (13) Parra (GRANT), NM - NL 32-42-02; WL 107-50-40
- (14) Kimmick (GRANT), NM - NL 32-40-58; WL 107-50-15
- (15) Martin (GRANT), NM - NL 32-36-40; WL 107-52-52
- (16) King (LUNA), NM - NL 32-30-38; WL 107-54-50
- (17) Tigner#1 (LUNA), NM - NL 32-33-43; WL 107-54-59
- (18) Tustin (LUNA), NM - NL 32-36-11; WL 107-53-10
- (19) Wardwell (LUNA), NM - NL 32-36-37; WL 107-53-05
- (20) Archuleta Ditch (SAN JUAN), NM - NL 36-48-25; WL 107-41-10
- (21) New Model (HIDALGO), NM - NL 32-40-55; WL 109-02-47
- (22) Bear Canyon (GRANT), NM - NL 32-52-58; WL 107-59-27
- (23) O'Sullivan (LUNA), NM - NL 32-36-02; WL 107-53-48
- (24) Citizens Ditch (SAN JUAN), NM - NL 36-47-30; WL 107-43-01
- (25) Eledge Mill Ditch (SAN JUAN), NM - NL 36-49-24; WL 108-00-32

This authorization effective March 01, 2012 and
will expire 3:00 A.M. EST November 01, 2016

**FEDERAL
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COMMISSION**



Station Locations

- (26) Farmers Mutual Anima (SAN JUAN), NM - NL 36-42-53; WL 108-12-58
- (27) Farmers Mutual SJ Ri (SAN JUAN), NM - NL 36-43-49; WL 108-17-26
- (28) Eledge Mill Ditch (SAN JUAN), NM - NL 36-49-24; WL 108-00-32
- (29) Echo Ditch (SAN JUAN), NM - NL 36-44-55; WL 108-08-58
- (30) Hammond Canal Ditch (SAN JUAN), NM - NL 36-44-38; WL 107-48-42
- (31) Jaquez Ditch (SAN JUAN), NM - NL 36-45-33; WL 107-46-24
- (32) Jewett Valley Ditch (SAN JUAN), NM - NL 36-44-46; WL 108-27-04
- (33) Kello Blancett Ditch (SAN JUAN), NM - NL 36-48-50; WL 108-01-00
- (34) Lower Animas Ditch (SAN JUAN), NM - NL 36-52-09; WL 107-57-56
- (35) La Pumpa Ditch (SAN JUAN), NM - NL 36-46-17; WL 107-44-29
- (36) North Farmington Dit (SAN JUAN), NM - NL 36-44-25; WL 108-10-10
- (37) Ranchmans Terrell Di (SAN JUAN), NM - NL 36-47-11; WL 108-05-11
- (38) Turley Ditch (SAN JUAN), NM - NL 36-45-35; WL 107-44-45
- (39) Willett Ditch (SAN JUAN), NM - NL 36-43-52; WL 108-10-50
- (40) Wright Leggett Ditch (SAN JUAN), NM - NL 36-43-46; WL 108-12-07
- (41) Aztec Ditch (SAN JUAN), NM - NL 36-54-36; WL 107-54-50
- (42) Cedar Hill Ditch (SAN JUAN), NM - NL 36-56-47; WL 107-52-51
- (43) Cunningham Ditch (SAN JUAN), NM - NL 36-57-00; WL 108-11-11
- (44) Farmers Ditch (SAN JUAN), NM - NL 36-52-05; WL 107-58-15
- (45) Greenhorn Ditch (SAN JUAN), NM - NL 36-58-19; WL 108-11-29
- (46) Helton Ditch (SAN JUAN), NM - NL 36-54-36; WL 108-10-46
- (47) Halford Ditch (SAN JUAN), NM - NL 36-48-31; WL 108-02-50
- (48) Highland Ditch (SAN JUAN), NM - NL 36-57-54; WL 108-11-31
- (49) Hillside Thomas Ditch (SAN JUAN), NM - NL 36-59-24; WL 108-11-23
- (50) Independent Ditch (SAN JUAN), NM - NL 36-46-42; WL 108-07-33
- (51) Jackson Ditch (SAN JUAN), NM - NL 36-51-48; WL 108-12-10
- (52) Left Hand Ditch (SAN JUAN), NM - NL 36-55-26; WL 108-10-50
- (53) Larkin Reynolds Ditch (SAN JUAN), NM - NL 36-56-26; WL 108-11-26
- (54) La Plata Indian Ditch (SAN JUAN), NM - NL 36-57-50; WL 108-11-26
- (55) McDermott Ditch (SAN JUAN), NM - NL 36-55-45; WL 108-11-09
- (56) Pickering Ditch (SAN JUAN), NM - NL 36-48-54; WL 108-13-06
- (57) Ralston Ditch (SAN JUAN), NM - NL 36-58-59; WL 107-52-02
- (58) Sargent Ditch (SAN JUAN), NM - NL 36-53-17; WL 107-56-58
- (59) Twin Rocks Ditch (SAN JUAN), NM - NL 36-59-59; WL 107-52-09
- (60) Twin Rocks Ditch (SAN JUAN), NM - NL 36-59-59; WL 107-52-09
- (61) Moreno Creek (COLFAX), NM - NL 36-33-14; WL 105-16-05
- (62) Sixmile Creek (COLFAX), NM - NL 36-31-07; WL 105-16-31

Frequency Information

Grijalva Ditch Diversion (GRANT), NM - NL 32-53-35; WL 107-59-36

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
401.9125 MHz	FX	1K50G1D	71.4496 W (ERP)	

Montoya Ditch Diversion (GRANT), NM - NL 32-53-10; WL 107-59-23

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
401.9125 MHz	FX	1K50G1D	72.4496 W (ERP)	

Kenly 1 Ditch Diversion (GRANT), NM - NL 32-52-34; WL 107-59-05

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
401.9125 MHz	FX	1K50G1D	71.4496 W (ERP)	

Kenly 2 Ditch Diversion (GRANT), NM - NL 32-51-55; WL 107-59-03

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
401.9125 MHz	FX	1K50G1D	71.4496 W (ERP)	

Frequency Information

Heuchling 1 Ditch Diversion (GRANT), NM - NL 32-51-10; WL 107-58-23

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
401.9125 MHz	FX	1K50G1D	71.4496 W (ERP)	

Heuchling 2 Ditch Diversion (GRANT), NM - NL 32-50-54; WL 107-58-15

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
401.9125 MHz	FX	1K50G1D	71.4496 W (ERP)	

Heuchling 3 Ditch Diversion (GRANT), NM - NL 32-50-50; WL 107-57-58

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
401.9125 MHz	FX	1K50G1D	71.4496 W (ERP)	

Heuchling 4 Ditch Diversion (GRANT), NM - NL 32-50-50; WL 107-58-01

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
401.9125 MHz	FX	1K50G1D	71.4496 W (ERP)	

Frequency Information

San Lorenzo Ditch Diversion (GRANT), NM - NL 32-50-11; WL 107-57-02

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
401.9125 MHz	FX	1K50G1D	71.4496 W (ERP)	

San Lorenzo Return (GRANT), NM - NL 32-50-10; WL 107-57-01

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
401.9125 MHz	FX	1K50G1D	71.4496 W (ERP)	

Nan (GRANT), NM - NL 32-39-40; WL 107-50-38

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
401.9125 MHz	FX	1K50G1D	71.4496 W (ERP)	

Swartz (GRANT), NM - NL 32-42-36; WL 107-50-53

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
401.9125 MHz	FX	1K50G1D	71.4496 W (ERP)	

Frequency Information

Parra (GRANT), NM - NL 32-42-02; WL 107-50-40

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
401.9125 MHz	FX	1K50G1D	71.4496 W (ERP)	

Kimmick (GRANT), NM - NL 32-40-58; WL 107-50-15

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
401.9125 MHz	FX	1K50G1D	71.4496 W (ERP)	

Martin (GRANT), NM - NL 32-36-40; WL 107-52-52

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
401.9125 MHz	FX	1K50G1D	71.4496 W (ERP)	

King (LUNA), NM - NL 32-30-38; WL 107-54-50

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
401.9125 MHz	FX	1K50G1D	71.4496 W (ERP)	

Frequency Information

Tigner#1 (LUNA), NM - NL 32-33-43; WL 107-54-59

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
401.9125 MHz	FX	1K50G1D	71.4496 W (ERP)	

Tustin (LUNA), NM - NL 32-36-11; WL 107-53-10

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
401.9125 MHz	FX	1K50G1D	71.4496 W (ERP)	

Wardwell (LUNA), NM - NL 32-36-37; WL 107-53-05

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
401.9125 MHz	FX	1K50G1D	71.4496 W (ERP)	

Archuleta Ditch (SAN JUAN), NM - NL 36-48-25; WL 107-41-10

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
401.9575 MHz	FX	1K50G1D	72 W (ERP)	

Frequency Information

New Model (HIDALGO), NM - NL 32-40-55; WL 109-02-47

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
401.9125 MHz	FX	1K50G1D	71.4496 W (ERP)	

Bear Canyon (GRANT), NM - NL 32-52-58; WL 107-59-27

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
401.9125 MHz	FX	1K50G1D	71.4496 W (ERP)	

O'Sullivan (LUNA), NM - NL 32-36-02; WL 107-53-48

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
401.9125 MHz	FX	1K50G1D	71.4496 W (ERP)	

Citizens Ditch (SAN JUAN), NM - NL 36-47-30; WL 107-43-01

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
401.9575 MHz	FX	1K50G1D	72 W (ERP)	

Frequency Information

Eledge Mill Ditch (SAN JUAN), NM - NL 36-49-24; WL 108-00-32

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
401.9575 MHz	FX	1K50G1D	72 W (ERP)	

Farmers Mutual Anima (SAN JUAN), NM - NL 36-42-53; WL 108-12-58

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
401.9575 MHz	FX	1K50G1D	72 W (ERP)	

Farmers Mutual SJ Ri (SAN JUAN), NM - NL 36-43-49; WL 108-17-26

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
401.9575 MHz	FX	1K50G1D	72 W (ERP)	

Eledge Mill Ditch (SAN JUAN), NM - NL 36-49-24; WL 108-00-32

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
401.9575 MHz	FX	1K50G1D	72 W (ERP)	

Frequency Information

Echo Ditch (SAN JUAN), NM - NL 36-44-55; WL 108-08-58

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
401.9575 MHz	FX	1K50G1D	72 W (ERP)	

Hammond Canal Ditch (SAN JUAN), NM - NL 36-44-38; WL 107-48-42

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
401.9575 MHz	FX	1K50G1D	72 W (ERP)	

Jaquez Ditch (SAN JUAN), NM - NL 36-45-33; WL 107-46-24

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
401.9575 MHz	FX	1K50G1D	72 W (ERP)	

Jewett Valley Ditch (SAN JUAN), NM - NL 36-44-46; WL 108-27-04

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
401.9575 MHz	FX	1K50G1D	72 W (ERP)	

Frequency Information

Kello Blancett Ditch (SAN JUAN), NM - NL 36-48-50; WL 108-01-00

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
401.9575 MHz	FX	1K50G1D	72 W (ERP)	

Lower Animas Ditch (SAN JUAN), NM - NL 36-52-09; WL 107-57-56

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
401.9575 MHz	FX	1K50G1D	72 W (ERP)	

La Pumpa Ditch (SAN JUAN), NM - NL 36-46-17; WL 107-44-29

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
401.9575 MHz	FX	1K50G1D	72 W (ERP)	

North Farmington Dit (SAN JUAN), NM - NL 36-44-25; WL 108-10-10

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
401.9575 MHz	FX	1K50G1D	72 W (ERP)	

Frequency Information

Ranchmans Terrell Di (SAN JUAN), NM - NL 36-47-11; WL 108-05-11

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
401.9575 MHz	FX	1K50G1D	72 W (ERP)	

Turley Ditch (SAN JUAN), NM - NL 36-45-35; WL 107-44-45

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
401.9575 MHz	FX	1K50G1D	72 W (ERP)	

Willett Ditch (SAN JUAN), NM - NL 36-43-52; WL 108-10-50

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
401.9575 MHz	FX	1K50G1D	72 W (ERP)	

Wright Leggett Ditch (SAN JUAN), NM - NL 36-43-46; WL 108-12-07

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
401.9575 MHz	FX	1K50G1D	72 W (ERP)	

Frequency Information

Aztec Ditch (SAN JUAN), NM - NL 36-54-36; WL 107-54-50

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
401.9575 MHz	FX	1K50G1D	72 W (ERP)	

Cedar Hill Ditch (SAN JUAN), NM - NL 36-56-47; WL 107-52-51

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
401.9575 MHz	FX	1K50G1D	72 W (ERP)	

Cunningham Ditch (SAN JUAN), NM - NL 36-57-00; WL 108-11-11

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
401.9575 MHz	FX	1K50G1D	72 W (ERP)	

Farmers Ditch (SAN JUAN), NM - NL 36-52-05; WL 107-58-15

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
401.9575 MHz	FX	1K50G1D	72 W (ERP)	

Frequency Information

Greenhorn Ditch (SAN JUAN), NM - NL 36-58-19; WL 108-11-29

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
401.9575 MHz	FX	1K50G1D	72 W (ERP)	

Helton Ditch (SAN JUAN), NM - NL 36-54-36; WL 108-10-46

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
401.9575 MHz	FX	1K50G1D	72 W (ERP)	

Halford Ditch (SAN JUAN), NM - NL 36-48-31; WL 108-02-50

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
401.9575 MHz	FX	1K50G1D	72 W (ERP)	

Highland Ditch (SAN JUAN), NM - NL 36-57-54; WL 108-11-31

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
401.9575 MHz	FX	1K50G1D	72 W (ERP)	

Frequency Information

Hillside Thomas Ditch (SAN JUAN), NM - NL 36-59-24; WL 108-11-23

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
401.9575 MHz	FX	1K50G1D	72 W (ERP)	

Independent Ditch (SAN JUAN), NM - NL 36-46-42; WL 108-07-33

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
401.9575 MHz	FX	1K50G1D	72 W (ERP)	

Jackson Ditch (SAN JUAN), NM - NL 36-51-48; WL 108-12-10

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
401.9575 MHz	FX	1K50G1D	72 W (ERP)	

Left Hand Ditch (SAN JUAN), NM - NL 36-55-26; WL 108-10-50

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
401.9575 MHz	FX	1K50G1D	72 W (ERP)	

Frequency Information

Larkin Reynolds Ditch (SAN JUAN), NM - NL 36-56-26; WL 108-11-26

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
401.9575 MHz	FX	1K50G1D	72 W (ERP)	

La Plata Indian Ditch (SAN JUAN), NM - NL 36-57-50; WL 108-11-26

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
401.9575 MHz	FX	1K50G1D	72 W (ERP)	

McDermott Ditch (SAN JUAN), NM - NL 36-55-45; WL 108-11-09

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
401.9575 MHz	FX	1K50G1D	72 W (ERP)	

Pickering Ditch (SAN JUAN), NM - NL 36-48-54; WL 108-13-06

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
401.9575 MHz	FX	1K50G1D	72 W (ERP)	

Frequency Information

Ralston Ditch (SAN JUAN), NM - NL 36-58-59; WL 107-52-02

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
401.9575 MHz	FX	1K50G1D	72 W (ERP)	

Sargent Ditch (SAN JUAN), NM - NL 36-53-17; WL 107-56-58

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
401.9575 MHz	FX	1K50G1D	72 W (ERP)	

Twin Rocks Ditch (SAN JUAN), NM - NL 36-59-59; WL 107-52-09

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
401.9575 MHz	FX	1K50G1D	72 W (ERP)	

Twin Rocks Ditch (SAN JUAN), NM - NL 36-59-59; WL 107-52-09

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
401.9575 MHz	FX	1K50G1D	72 W (ERP)	

Frequency Information

Moreno Creek (COLFAX), NM - NL 36-33-14; WL 105-16-05

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
401.9575 MHz	FX	1K50G1D	72 W (ERP)	

Sixmile Creek (COLFAX), NM - NL 36-31-07; WL 105-16-31

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
401.9575 MHz	FX	1K50G1D	72 W (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) Subject to coordination and scheduling with Mr. Dane Clark; National Environmental Satellite, Data and Information Service (NESDIS), U.S. Dept. of Commerce; Direct Services Division (E/SP3); Room 3340 FB4 NOAA; 5200 Auth Road; Suitland, MD 20746-4303; telephone (301) 457-5681.
- (4) POINT OF COMMUNICATION: GOES Satellite