

United States of America
FEDERAL COMMUNICATIONS COMMISSION
EXPERIMENTAL
SPECIAL TEMPORARY AUTHORIZATION

EXPERIMENTAL
(Nature of Service)

K I 2 X D D
(Call Sign)

XD FX
(Class of station)

S-1336-EX-93
(File number)

NAME TEXAS INSTRUMENTS, INC.

Grayson County Airport, TX - NL 33 42; WL 96 40
(Location of station)

Special Temporary Authority is hereby granted to operate the radio transmitting apparatus described below:

Frequency MHz	Authorized Power (watts)	Emission Designator
9200-10200	400 (output)	75M0P0N

This special temporary authorization is granted upon the express condition that it may be terminated by the Commission at any time without advance notice or hearing if in its discretion the need for such action arises. Nothing contained herein shall be construed as a finding by the Commission that the authority herein granted is or will be in the public interest beyond the express terms hereof.

This special temporary authorization shall not vest in the grantee any right to operate the station nor any right in the use of the frequencies designated in the authorization beyond the term hereof, nor in any other manner than authorized herein. Neither the authorization nor the right granted hereunder shall be assigned or otherwise transferred in violation of the Communications Act of 1934. This authorization is subject to the right of use of control by the Government of the United States conferred by Section 706 of the Communications Act of 1934.

This authorization effective February 1, 1994 and
will expire 3:00 A.M. EST. August 1, 1994

FEDERAL
COMMUNICATIONS
COMMISSION

22 Nov 1993

Federal Communications Commission
Experimental Radio Service
P.O. Box 358320
Pittsburgh, PA 15251-5320

KI2XDD

Dear Sir:

Please accept this as an application for a Special Temporary Authority for the authorization of radio transmitting facility. Enclosed is a \$35.00 money order along with FCC form 155.

The specifics of the transmitter operation are as follows:

Transmitting Equipment

Manufacturer: Texas Instruments, Inc.
Type: Radar, Solid State Phased Array.
Oscillator crystal controlled
Oscillator and frequency multiplication

Frequency: 9.2 to 10.2 GHz. Discrete frequencies selected within this band.

Emission: P0N
Max RF Power: 400 Watts
Peak Power: 55 dBW (Effective Radiated Peak Power)
Antenna Gain: 29 dB
Beamwidth: 2.3 degrees in Azimuth and Elevation
Modulation: None. The transmission is a sequence of unmodulated pulses.

7 SMPDN

Temporary Location

Grayson County Airport, Longitude 96°40', Lattitude 33°42'.
Transmitter to be located at the south end of inactive runway 17R/35L. Operation to start after 1 Feb 1994 and complete no later than 31 Jul 1994. The radar will be pointed to the north and northwest when transmitting.

Other

The transmitter is currently licensed as KI2XDD and is located in McKinney, Tx--NL 33 12 58; WL 96 39 27. It will be moved and operated with reduced power at the temporary site. It will be returned to the McKinney location at the completion of this test.

Please direct inquires to
Robert A. Walker (Radar System Engineer)
Texas Instruments, Inc.
P.O. Box 869305, MS 8490
Plano, Texas 75086
(214) 575-4099, (214) 575-6330


Robert A. Walker