

**United States of America
FEDERAL COMMUNICATIONS COMMISSION
EXPERIMENTAL
SPECIAL TEMPORARY AUTHORIZATION**

EXPERIMENTAL

(Nature of Service)

XD FX

(Class of Station)

WB2XCA

(Call Sign)

0553-EX-ST-2005

(File Number)

NAME XM Radio Inc.

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 the Government of the United States conferred by Section 706 of the Communications Act of 1934.

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

Purpose Of Operation:

Test and development of Wireless Communications Services networks.

Station Locations

- (1) Denton (DENTON), TX - NL 33-14-23; WL 97-07-57
- (2) McKinney (COLLIN), TX - NL 33-09-23; WL 96-42-49
- (3) Denton (DENTON), TX - NL 33-07-44; WL 97-02-59
- (4) Frisco (COLLIN), TX - NL 33-05-03; WL 96-51-13
- (5) Allen (COLLIN), TX - NL 33-04-56; WL 96-40-48
- (6) Lewisville (DENTON), TX - NL 33-02-26; WL 96-58-19
- (7) Roanoke (DENTON), TX - NL 32-59-09; WL 97-09-27
- (8) Richardson (DALLAS), TX - NL 32-59-03; WL 96-42-50
- (9) Sachse (DALLAS), TX - NL 32-58-53; WL 96-35-26
- (10) Dallas (DALLAS), TX - NL 32-57-16; WL 96-49-14
- (11) Keller (TARRANT), TX - NL 32-55-15; WL 97-16-59
- (12) Southlake (TARRANT), TX - NL 32-56-18; WL 97-07-34
- (13) Irving (DALLAS), TX - NL 32-54-50; WL 97-00-25
- (14) Dallas (DALLAS), TX - NL 32-54-40; WL 96-52-35
- (15) Garland (DALLAS), TX - NL 32-54-20; WL 96-40-36
- (16) Dallas (DALLAS), TX - NL 32-51-57; WL 96-47-50
- (17) Irving (DALLAS), TX - NL 32-49-54; WL 96-54-43
- (18) Sansom Park Village (TARRANT), TX - NL 32-48-50; WL 97-24-33
- (19) Euless (TARRANT), TX - NL 32-48-36; WL 97-06-05
- (20) Mesquite (DALLAS), TX - NL 32-45-46; WL 96-38-03

This authorization effective October 11, 2005 and
will expire 3:00 A.M. EST April 11, 2006

**FEDERAL
COMMUNICATIONS
COMMISSION**



Station Locations

- (21) Ft. Worth (TARRANT), TX - NL 32-46-47; WL 97-12-32
- (22) Fort Worth (TARRANT), TX - NL 32-45-11; WL 97-19-46
- (23) Dallas (DALLAS), TX - NL 32-44-28; WL 96-53-42
- (24) Fort Worth (TARRANT), TX - NL 32-44-06; WL 97-25-55
- (25) Dallas (DALLAS), TX - NL 32-41-40; WL 96-46-25
- (26) Benbrook (TARRANT), TX - NL 32-41-32; WL 97-24-59
- (27) Lancaster (DALLAS), TX - NL 32-38-43; WL 96-48-51
- (28) Hutchins (DALLAS), TX - NL 32-38-23; WL 96-40-39
- (29) Mansfield (TARRANT), TX - NL 32-36-18; WL 97-11-12
- (30) Forney (KAUFMAN), TX - NL 32-46-33; WL 96-28-48
- (31) Dallas (DALLAS), TX - NL 32-46-28; WL 96-41-08
- (32) Cedar Hill (DALLAS), TX - NL 32-35-20; WL 96-58-06
- (33) Arlington (TARRANT), TX - NL 32-45-43; WL 97-04-02

Frequency Information

Denton (DENTON), TX - NL 33-14-23; WL 97-07-57

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2315-2320 MHz	FX	2M50D7D	1220 W (ERP)	
2345-2350 MHz	FX	2M50D7D	1220 W (ERP)	

McKinney (COLLIN), TX - NL 33-09-23; WL 96-42-49

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2315-2320 MHz	FX	2M50D7D	1220 W (ERP)	
2345-2350 MHz	FX	2M50D7D	1220 W (ERP)	

Frequency Information

Denton (DENTON), TX - NL 33-07-44; WL 97-02-59

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2315-2320 MHz	FX	2M50D7D	1220 W (ERP)	
2345-2350 MHz	FX	2M50D7D	1220 W (ERP)	

Frisco (COLLIN), TX - NL 33-05-03; WL 96-51-13

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2315-2320 MHz	FX	2M50D7D	1220 W (ERP)	
2345-2350 MHz	FX	2M50D7D	1220 W (ERP)	

Allen (COLLIN), TX - NL 33-04-56; WL 96-40-48

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2315-2320 MHz	FX	2M50D7D	1220 W (ERP)	
2345-2350 MHz	FX	2M50D7D	1220 W (ERP)	

Frequency Information

Lewisville (DENTON), TX - NL 33-02-26; WL 96-58-19

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2315-2320 MHz	FX	2M50D7D	1220 W (ERP)	
2345-2350 MHz	FX	2M50D7D	1220 W (ERP)	

Roanoke (DENTON), TX - NL 32-59-09; WL 97-09-27

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2315-2320 MHz	FX	2M50D7D	1220 W (ERP)	
2345-2350 MHz	FX	2M50D7D	1220 W (ERP)	

Richardson (DALLAS), TX - NL 32-59-03; WL 96-42-50

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2315-2320 MHz	FX	2M50D7D	1220 W (ERP)	
2345-2350 MHz	FX	2M50D7D	1220 W (ERP)	

Frequency Information

Sachse (DALLAS), TX - NL 32-58-53; WL 96-35-26

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2315-2320 MHz	FX	2M50D7D	1220 W (ERP)	
2345-2350 MHz	FX	2M50D7D	1220 W (ERP)	

Dallas (DALLAS), TX - NL 32-57-16; WL 96-49-14

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2315-2320 MHz	FX	2M50D7D	1220 W (ERP)	
2345-2350 MHz	FX	2M50D7D	1220 W (ERP)	

Keller (TARRANT), TX - NL 32-55-15; WL 97-16-59

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2315-2320 MHz	FX	2M50D7D	1220 W (ERP)	
2345-2350 MHz	FX	2M50D7D	1220 W (ERP)	

Frequency Information

Southlake (TARRANT), TX - NL 32-56-18; WL 97-07-34

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2315-2320 MHz	FX	2M50D7D	1220 W (ERP)	
2345-2350 MHz	FX	2M50D7D	1220 W (ERP)	

Irving (DALLAS), TX - NL 32-54-50; WL 97-00-25

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2315-2320 MHz	FX	2M50D7D	1220 W (ERP)	
2345-2350 MHz	FX	2M50D7D	1220 W (ERP)	

Dallas (DALLAS), TX - NL 32-54-40; WL 96-52-35

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2315-2320 MHz	FX	2M50D7D	1220 W (ERP)	
2345-2350 MHz	FX	2M50D7D	1220 W (ERP)	

Frequency Information

Garland (DALLAS), TX - NL 32-54-20; WL 96-40-36

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2315-2320 MHz	FX	2M50D7D	1220 W (ERP)	
2345-2350 MHz	FX	2M50D7D	1220 W (ERP)	

Dallas (DALLAS), TX - NL 32-51-57; WL 96-47-50

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2315-2320 MHz	FX	2M50D7D	1220 W (ERP)	
2345-2350 MHz	FX	2M50D7D	1220 W (ERP)	

Irving (DALLAS), TX - NL 32-49-54; WL 96-54-43

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2315-2320 MHz	FX	2M50D7D	1220 W (ERP)	
2345-2350 MHz	FX	2M50D7D	1220 W (ERP)	

Frequency Information

Sansom Park Village (TARRANT), TX - NL 32-48-50; WL 97-24-33

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2315-2320 MHz	FX	2M50D7D	1220 W (ERP)	
2345-2350 MHz	FX	2M50D7D	1220 W (ERP)	

Euless (TARRANT), TX - NL 32-48-36; WL 97-06-05

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2315-2320 MHz	FX	2M50D7D	1220 W (ERP)	
2345-2350 MHz	FX	2M50D7D	1220 W (ERP)	

Mesquite (DALLAS), TX - NL 32-45-46; WL 96-38-03

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2315-2320 MHz	FX	2M50D7D	1220 W (ERP)	
2345-2350 MHz	FX	2M50D7D	1220 W (ERP)	

Frequency Information

Ft. Worth (TARRANT), TX - NL 32-46-47; WL 97-12-32

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2315-2320 MHz	FX	2M50D7D	1220 W (ERP)	
2345-2350 MHz	FX	2M50D7D	1220 W (ERP)	

Fort Worth (TARRANT), TX - NL 32-45-11; WL 97-19-46

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2315-2320 MHz	FX	2M50D7D	1220 W (ERP)	
2345-2350 MHz	FX	2M50D7D	1220 W (ERP)	

Dallas (DALLAS), TX - NL 32-44-28; WL 96-53-42

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2315-2320 MHz	FX	2M50D7D	1220 W (ERP)	
2345-2350 MHz	FX	2M50D7D	1220 W (ERP)	

Frequency Information

Fort Worth (TARRANT), TX - NL 32-44-06; WL 97-25-55

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2315-2320 MHz	FX	2M50D7D	1220 W (ERP)	
2345-2350 MHz	FX	2M50D7D	1220 W (ERP)	

Dallas (DALLAS), TX - NL 32-41-40; WL 96-46-25

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2315-2320 MHz	FX	2M50D7D	1220 W (ERP)	
2345-2350 MHz	FX	2M50D7D	1220 W (ERP)	

Benbrook (TARRANT), TX - NL 32-41-32; WL 97-24-59

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2315-2320 MHz	FX	2M50D7D	1220 W (ERP)	
2345-2350 MHz	FX	2M50D7D	1220 W (ERP)	

Frequency Information

Lancaster (DALLAS), TX - NL 32-38-43; WL 96-48-51

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2315-2320 MHz	FX	2M50D7D	1220 W (ERP)	
2345-2350 MHz	FX	2M50D7D	1220 W (ERP)	

Hutchins (DALLAS), TX - NL 32-38-23; WL 96-40-39

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2315-2320 MHz	FX	2M50D7D	1220 W (ERP)	
2345-2350 MHz	FX	2M50D7D	1220 W (ERP)	

Mansfield (TARRANT), TX - NL 32-36-18; WL 97-11-12

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2315-2320 MHz	FX	2M50D7D	1220 W (ERP)	
2345-2350 MHz	FX	2M50D7D	1220 W (ERP)	

Frequency Information

Forney (KAUFMAN), TX - NL 32-46-33; WL 96-28-48

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2315-2320 MHz	FX	2M50D7D	1220 W (ERP)	
2345-2350 MHz	FX	2M50D7D	1220 W (ERP)	

Dallas (DALLAS), TX - NL 32-46-28; WL 96-41-08

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2315-2320 MHz	FX	2M50D7D	1220 W (ERP)	
2345-2350 MHz	FX	2M50D7D	1220 W (ERP)	

Cedar Hill (DALLAS), TX - NL 32-35-20; WL 96-58-06

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2315-2320 MHz	FX	2M50D7D	1220 W (ERP)	
2345-2350 MHz	FX	2M50D7D	1220 W (ERP)	

Frequency Information

Arlington (TARRANT), TX - NL 32-45-43; WL 97-04-02

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2315-2320 MHz	FX	2M50D7D	1220 W (ERP)	
2345-2350 MHz	FX	2M50D7D	1220 W (ERP)	

Special Conditions:

- (1) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (2) Operation in the 2315-2320 or 2345-2350 MHz band requires consent of Wireless Communications Services licensee(s) to avoid interference.
- (3) Licensee should be aware that other stations may be licensed on adjacent frequencies and if any interference occurs, the licensee of this authorization will be subject to immediate shut down.