

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

EXPERIMENTAL

(Nature of Service)

XD FX MO

(Class of Station)

KA2XFC

(Call Sign)

0160-EX-RR-2005

(File Number)

NAME Fairfield Industries, Inc.

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(i) of the Commission's Rules

Station Locations

- (1) US; MOBILE: Within the Continental United States
- (2) US; MOBILE: Southeastern Texas and Louisiana, within 100 km, centered around NL 28-45-00; WL 89-39-00
- (3) US; MOBILE: Southeastern Texas and Louisiana, within 40 km, centered around NL 28-30-00; WL 91-36-00
- (4) US; MOBILE: Southeastern Texas and Louisiana, within 40 km, centered around NL 28-36-00; WL 93-45-00
- (5) US; MOBILE: Southeastern Texas and Louisiana, within 40 km, centered around NL 29-15-00; WL 92-30-00
- (6) US; MOBILE: Southeastern Texas and Louisiana, within 40 km, centered around NL 29-48-00; WL 89-00-00

Frequency Information

US; MOBILE: Within the Continental United States

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
215.5-216.88 MHz	FX	20K0A2D 20K0F1D	2 W (ERP)	
215.5-216.88 MHz	MO	20K0A2D	2 W (ERP)	

This authorization effective February 01, 2006 and
will expire 3:00 A.M. EST February 01, 2010

**FEDERAL
COMMUNICATIONS
COMMISSION**

Frequency Information

US; MOBILE: Within the Continental United States

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
215.5-216.88 MHz	MO	20K0F1D	2 W (ERP)	
216.45 MHz	FX	20K0A2D 20K0F1D	100 W (ERP)	0.005 %
216.45 MHz	MO	20K0A2D 20K0F1D	100 W (ERP)	0.005 %
217.08-222 MHz	MO	20K0A2D 20K0F1D	2 W (ERP)	
217.08-222 MHz	FX	20K0A2D 20K0F1D	2 W (ERP)	
217.33 MHz	FX	20K0A2D 20K0F1D	100 W (ERP)	0.005 %
217.33 MHz	MO	20K0A2D 20K0F1D	100 W (ERP)	0.005 %
218.65 MHz	FX	20K0A2D 20K0F1D	100 W (ERP)	0.005 %
218.65 MHz	MO	20K0A2D	100 W (ERP)	0.005 %

Frequency Information

US; MOBILE: Within the Continental United States

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
218.65 MHz	MO	20K0F1D	100 W (ERP)	0.005 %
220.55 MHz	FX	20K0A2D 20K0F1D	100 W (ERP)	0.005 %
220.55 MHz	MO	20K0F1D 20K0A2D	100 W (ERP)	0.005 %

US; MOBILE: Southeastern Texas and Louisiana, within 100 km, centered around NL 28-45-00; WL 89-39-00

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
222-234 MHz	FX	20K0J2D	1 W (ERP)	0.005 %
222-234 MHz	MO	20K0J2D	1 W (ERP)	0.005 %

US; MOBILE: Southeastern Texas and Louisiana, within 40 km, centered around NL 28-30-00; WL 91-36-00

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
222-234 MHz	MO	20K0J2D	1 W (ERP)	0.005 %
222-234 MHz	FX	20K0J2D	1 W (ERP)	0.005 %

Frequency Information

US; MOBILE: Southeastern Texas and Louisiana, within 40 km, centered around NL 28-36-00; WL 93-45-00

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
222-234 MHz	MO	20K0J2D	1 W (ERP)	0.005 %
222-234 MHz	FX	20K0J2D	1 W (ERP)	0.005 %

US; MOBILE: Southeastern Texas and Louisiana, within 40 km, centered around NL 29-15-00; WL 92-30-00

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
222-234 MHz	MO	20K0J2D	1 W (ERP)	0.005 %
222-234 MHz	FX	20K0J2D	1 W (ERP)	0.005 %

US; MOBILE: Southeastern Texas and Louisiana, within 40 km, centered around NL 29-48-00; WL 89-00-00

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
222-234 MHz	MO	20K0J2D	1 W (ERP)	0.005 %
222-234 MHz	FX	20K0J2D	1 W (ERP)	0.005 %

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) The following frequencies are to be notched out: 225.4, 229.4 and 233.7 MHz. The frequency 228.8 MHz shall not be used in AREA 2. The frequency 228.45 MHz shall not be used in AREA 6.

Special Conditions:

- (3) Operations in the 222-234 MHz band shall be used only for the testing of equipment for export and is subject to the understanding that there is no intended operational use of this equipment within the Commonwealth of Puerto Rico nor the Territories and Possessions of the United States of America.
- (4) Operations near the band 216.88-217.08 MHz are subject to immediate adjustment including cessation if interference is caused to the United States Navy SPASUR operations. Coordination is required with Commander, Naval Space Command, Dahlgren, VA 22448, Telephone 540-653-6190.