

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

EXPERIMENTAL

(Nature of Service)

XE FX

(Class of Station)

WC2XNF

(Call Sign)

0027-EX-RR-2011

(File Number)

NAME Motorola, 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(b) of the Commission's Rules

Station Locations

- (1) Arlington Heights (COOK), IL - NL 42-08-21; WL 87-59-49
- (2) Arlington Heights (COOK), IL - NL 42-08-12; WL 88-00-03
- (3) Chandler (MARICOPA), AZ - NL 33-15-14; WL 111-53-32
- (4) Fort Worth (TARRANT), TX - NL 32-50-36; WL 97-17-26

Frequency Information

Arlington Heights (COOK), IL - NL 42-08-21; WL 87-59-49

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
880-915 MHz	MO	200KG7D	500 W (ERP)	
925-960 MHz	FX	200KG7D	500 W (ERP)	
1850-1910 MHz	MO	200KG7D	1 kW (ERP)	

This authorization effective February 01, 2011 and
will expire 3:00 A.M. EST February 01, 2013

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

Arlington Heights (COOK), IL - NL 42-08-21; WL 87-59-49

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1930-1990 MHz	FX	200KG7D	1 kW (ERP)	

Arlington Heights (COOK), IL - NL 42-08-12; WL 88-00-03

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
880-915 MHz	MO	200KG7D	500 W (ERP)	
925-960 MHz	FX	200KG7D	500 W (ERP)	
1850-1910 MHz	MO	200KG7D	1 kW (ERP)	
1930-1990 MHz	FX	200KG7D	1 kW (ERP)	

Chandler (MARICOPA), AZ - NL 33-15-14; WL 111-53-32

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
880-915 MHz	MO	200KG7D	500 W (ERP)	
925-960 MHz	FX	200KG7D	500 W (ERP)	

Frequency Information

Chandler (MARICOPA), AZ - NL 33-15-14; WL 111-53-32

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1850-1910 MHz	MO	200KG7D	1 kW (ERP)	
1930-1990 MHz	FX	200KG7D	1 kW (ERP)	

Fort Worth (TARRANT), TX - NL 32-50-36; WL 97-17-26

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
880-915 MHz	MO	200KG7D	500 W (ERP)	
925-960 MHz	FX	200KG7D	500 W (ERP)	
1850-1910 MHz	MO	200KG7D	1 kW (ERP)	
1930-1990 MHz	FX	200KG7D	1 kW (ERP)	

Special Conditions:

- (1) Operation in the 1850-1910 or 1930-1990 MHz band requires prior frequency coordination with 2 GHz microwave users and consent of PCS licensees to avoid interference.
- (2) The station identification requirements of Section 5.115 of the Commission's Rules are waived.
- (3) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (4) 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.

Special Conditions:

- (5) All use on frequencies assigned to public safety licensees should be coordinated with the designated land mobile public safety coordinator.
- (6) All use on frequencies that are assigned for use by stations in the fixed microwave service should be prior coordinated with existing operations in accordance with Section 101.103(d).
- (7) All use on frequencies that are assigned for use by stations the broadcast auxiliary service should be coordinated with the local broadcast coordinator.
- (8) Operation on this assignment is subject to immediate cessation, if it causes harmful interference to FAA operations within frequency bands 932-935 MHz and 941-944MHz.