



SUBMITTED ELECTRONICALLY

September 12, 2008

Federal Communications Commission
Experimental Licensing Branch
445 12th Street, SW
Washington, DC 20554

Re: Experimental Radio License WB2XCJ – Notification of Experimental Operations. Location Washington DC, Frequencies 1920-1925 and 2110-2115 MHz

To the Commission:

In accordance with the authority granted by the above-referenced experimental license, WB2XCJ, File No. 0134-EX-RR-2007, this is to notify the Commission of Motorola's intent to conduct a demonstration under the parameters of its license (attached). Pursuant to condition 9 of the license, this notification is being electronically submitted and provides pertinent technical information for the intended test as follows:

Purpose of Test:	Demonstrate broadband communications
Area/Address of Test:	Indoor location at Ronald Reagan Building (Horizon Ballroom) 1300 Pennsylvania Ave, NW Washington, D.C. 20004
Test Start Date:	September 17, 2008
Test Completion Date:	September 18, 2008
Number of Base Transmitters:	One (1)
Center Frequency of Base Operations:	2112.5 MHz
Center Frequency of Mobile Operations:	1922.5 MHz
Emission Designator:	4M13F9W
Power of Base Transmitter:	10 mWatts EIRP
Power of Mobile Transmitters:	10 mWatts EIRP
Maximum Number of Mobile Transmitters:	Two (2)

Motorola has coordinated this test with co-channel licensees operating within the potential reception range. In addition, Motorola personnel will be present at all times the equipment is in use and will have the capability to disable operations in the unlikely event that doing so becomes necessary.



MOTOROLA

Should you have any questions regarding this notification or need further information, please contact Rob Kubik at (202) 371-6953; email: Rob.Kubik@Motorola.com.

Respectfully submitted,

Sincerely,

/s/ Robert D. Kubik

Robert D. Kubik
Motorola, Inc.
Director, Telecom Relations Global

Attachement

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

EXPERIMENTAL

(Nature of Service)

XD FX MO

(Class of Station)

WB2XCJ

(Call Sign)

0134-EX-RR-2007

(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(h, i) of the Commission's Rules

Station Locations

- (1) Nationwide; MOBILE: Nationwide
- (2) Ft. Worth, TX - NL 32-45-14; WL 97-20-10; MOBILE: Ft. Worth, TX, within 80 km, centered around NL 32-45-14; WL 97-20-10
- (3) Arlington Heights, IL - NL 42-05-42; WL 87-58-55; MOBILE: Arlington Heights, IL, within 80 km, centered around NL 42-05-42; WL 87-58-55

Frequency Information

Nationwide; MOBILE: Nationwide

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
806-851 MHz			500 W (ERP)	
851-894 MHz			500 W (ERP)	
896-902 MHz			500 W (ERP)	

This authorization effective September 01, 2007 and
will expire 3:00 A.M. EST September 01, 2009

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

Nationwide; MOBILE: Nationwide

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
902-928 MHz			200 W (ERP)	
929-932 MHz			3.5 kW (ERP)	
940-941 MHz			3.5 kW (ERP)	
1850-1910 MHz	MO		1.22 W (ERP)	
1850-1910 MHz	FX		1 kW (ERP)	
1910-1915 MHz	MO	5M00G2D 5M00G7D 5M00G7W 5M00D7D	1.22 W (ERP)	
1910-1915 MHz	FX	5M00G2D 5M00G7D 5M00G7W 5M00D7D	1 kW (ERP)	
1915-1920 MHz	MO	5M00G2D 5M00G7D 5M00G7W 5M00D7D	1.22 W (ERP)	

Frequency Information

Nationwide; MOBILE: Nationwide

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1915-1920 MHz	FX	5M00G2D 5M00G7D 5M00G7W 5M00D7D	1 kW (ERP)	
1920-1930 MHz	MO	30K0G1D 30K0G7D 30K0G7W 30K0D7D	3 W (ERP)	
1930-1990 MHz	MO		1.22 W (ERP)	
1930-1990 MHz	FX		1 kW (ERP)	
1990-2200 MHz			2 kW (ERP)	
2290-2500 MHz			2 kW (ERP)	
2500-2700 MHz			2 kW (ERP)	
5150-5250 MHz			10 W (ERP)	
5725-5825 MHz			10 W (ERP)	

Frequency Information

Nationwide; MOBILE: Nationwide

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
27350-28350 MHz			2 kW (ERP)	
29100-29250 MHz			2 kW (ERP)	
31000-31300 MHz			2 kW (ERP)	

Ft. Worth, TX - NL 32-45-14; WL 97-20-10; MOBILE: Ft. Worth, TX, within 80 km, centered around NL 32-45-14; WL 97-20-1

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
806-851 MHz			500 W (ERP)	
851-894 MHz			500 W (ERP)	
896-902 MHz			500 W (ERP)	
902-928 MHz			200 W (ERP)	
929-932 MHz			3.5 kW (ERP)	
940-941 MHz			3.5 kW (ERP)	

Frequency Information

Ft. Worth, TX - NL 32-45-14; WL 97-20-10; MOBILE: Ft. Worth, TX, within 80 km, centered around NL 32-45-14; WL 97-20-1

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1850-1910 MHz	MO		1.22 W (ERP)	
1850-1910 MHz	FX		1 kW (ERP)	
1910-1915 MHz	MO		1.22 W (ERP)	
		5M00G2D		
		5M00G7D		
		5M00G7W		
		5M00D7D		
1910-1915 MHz	FX		1 kW (ERP)	
		5M00G2D		
		5M00G7D		
		5M00G7W		
		5M00D7D		
1915-1920 MHz	MO		1.22 W (ERP)	
		5M00G2D		
		5M00G7D		
		5M00G7W		
		5M00D7D		
1915-1920 MHz	FX		1 kW (ERP)	
		5M00G2D		
		5M00G7D		
		5M00G7W		
		5M00D7D		
1920-1930 MHz	MO		3 W (ERP)	
		30K0D7D		
		30K0G7W		
		30K0G7D		

Frequency Information

Ft. Worth, TX - NL 32-45-14; WL 97-20-10; MOBILE: Ft. Worth, TX, within 80 km, centered around NL 32-45-14; WL 97-20-1

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1920-1930 MHz	MO	30K0G1D	3 W (ERP)	
1930-1990 MHz	MO		1.22 W (ERP)	
1930-1990 MHz	FX		1 kW (ERP)	
1990-2200 MHz			2 kW (ERP)	
2290-2500 MHz			2 kW (ERP)	
2500-2700 MHz			2 kW (ERP)	
5150-5250 MHz			10 W (ERP)	
5725-5825 MHz			10 W (ERP)	
27350-28350 MHz			2 kW (ERP)	
29100-29250 MHz			2 kW (ERP)	

Frequency Information

Ft. Worth, TX - NL 32-45-14; WL 97-20-10; MOBILE: Ft. Worth, TX, within 80 km, centered around NL 32-45-14; WL 97-20-1

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
31000-31300 MHz			2 kW (ERP)	

Arlington Heights, IL - NL 42-05-42; WL 87-58-55; MOBILE: Arlington Heights, IL, within 80 km, centered around NL 42-05-42

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
806-851 MHz			500 W (ERP)	
851-894 MHz			500 W (ERP)	
896-902 MHz			500 W (ERP)	
902-928 MHz			200 W (ERP)	
929-932 MHz			3.5 kW (ERP)	
940-941 MHz			3.5 kW (ERP)	
1850-1910 MHz	MO		1.22 W (ERP)	
1850-1910 MHz	FX		1 kW (ERP)	

Frequency Information

Arlington Heights, IL - NL 42-05-42; WL 87-58-55; MOBILE: Arlington Heights, IL, within 80 km, centered around NL 42-05-42

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1910-1915 MHz	MO	5M00G2D 5M00G7D 5M00G7W 5M00D7D	1.22 W (ERP)	
1910-1915 MHz	FX	5M00G2D 5M00G7D 5M00G7W 5M00D7D	1 kW (ERP)	
1915-1920 MHz	MO	5M00G2D 5M00G7D 5M00G7W 5M00D7D	1.22 W (ERP)	
1915-1920 MHz	FX	5M00G2D 5M00G7D 5M00G7W 5M00D7D	1 kW (ERP)	
1920-1930 MHz	MO	30K0G1D 30K0G7D 30K0G7W 30K0D7D	3 W (ERP)	
1930-1990 MHz	MO		1.22 W (ERP)	

Frequency Information

Arlington Heights, IL - NL 42-05-42; WL 87-58-55; MOBILE: Arlington Heights, IL, within 80 km, centered around NL 42-05-42

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1930-1990 MHz	FX		1 kW (ERP)	
1990-2200 MHz			2 kW (ERP)	
2290-2500 MHz			2 kW (ERP)	
2500-2700 MHz			2 kW (ERP)	
5150-5250 MHz			10 W (ERP)	
5725-5825 MHz			10 W (ERP)	
27350-28350 MHz			2 kW (ERP)	
29100-29250 MHz			2 kW (ERP)	
31000-31300 MHz			2 kW (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) 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:

- (3) Any operation in these bands must be coordinated with the existing and future users to avoid interference. Emission types may vary under the experiment.
- (4) 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.
- (5) Prior to equipment authorization or a determination of compliance, the device must be accompanied by a conspicuous notice worded as follows: "This device has not been authorized as required by the rules of the Federal Communications Commission. This device is not, and may not be, offered for sale or lease, or sold or leased, until authorization is obtained."
- (6) Operation in the 824-849 or 869-894 MHz band requires consent of local cellular licensee(s) to avoid interference.
- (7) NO market studies may be conducted under this authorization without further approval.
- (8) Licensee is authorized to operate up to 10 base stations and 200 mobile units for each individual experiment. Licensee shall not operate more than 50 base stations and 750 mobiles for all experiments combined under this authorization. Operation of additional base stations and mobile units must be requested with sufficient justification.
- (9) Licensee is authorized under Section 5.75 to test, demonstrate and operate prototype products in the above frequency bands. Licensee is required to notify the Commission of the specific details of each individual experiment, including location, number of base and mobile units, power, emission designator, and any other pertinent technical information. No operation shall take place until the Commission has received the required notification. This notification should be uploaded electronically via the OET Experimental Licensing Branch's Electronic Filing Web Site at https://gulfoss2.fcc.gov/prod/oet/index_els.html using the "Add Attachments" feature.
- (10) Operation in the band 1910-1930 MHz is subject to prior coordination with existing and future fixed microwave service licensees in accordance with 47 CFR, Part 101.103(d).