

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

EXPERIMENTAL
(Nature of Service)

KI2XAG
(Call Sign)

XD FX MO
(Class of Station)

0034-EX-RR-2001
(File Number)

NAME Nortel Networks, 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. 5.202(df) of the Commission's Rules

Station Locations

- (1) Richardson, TX; MOBILE: vicinity of Richardson
- (2) Mountain View, CA; MOBILE: vicinity of Mountain View
- (3) Research Triangle Park, NC; MOBILE: vicinity of Research Triangle Park
- (4) Morrisville, NC; MOBILE: vicinity of Morrisville

Frequency Information

Richardson, TX; MOBILE: vicinity of Richardson

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
864-868 MHz	FX	100KF2W	0.01 W (ERP)	
864-868 MHz	MO	100KF2W	0.01 W (ERP)	
901-902 MHz	FX	200KW7W	3 W (ERP)	
901-902 MHz	MO	200KW7W	3 W (ERP)	
902-928 MHz	MO	XXX		
902-928 MHz	FX	XXX		
930-960 MHz	MO	100KF2W	0.01 W (ERP)	
930-960 MHz	FX	100KF2W	0.01 W (ERP)	
946-949 MHz	MO	200KW7W	1 W (ERP)	
946-949 MHz	FX	200KW7W	1 W (ERP)	
1850-1910 MHz	MO	XXX	1.22 W (ERP)	
1850-1910 MHz	FX	XXX	1000 W (ERP)	
1910-1930 MHz	MO	XXX		

This authorization effective January 01, 2001 and
will expire 3:00 A.M. EST January 01, 2006

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

Richardson, TX; MOBILE: vicinity of Richardson

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1910-1930 MHz	FX	XXX		
1930-1990 MHz	MO	XXX	1.22 W (ERP)	
1930-1990 MHz	FX	XXX	1000 W (ERP)	
2400-2483.5 MHz	FX	XXX		
2400-2483.5 MHz	MO	XXX		
5725-5850 MHz	MO	XXX		
5725-5850 MHz	FX	XXX		

Mountain View, CA; MOBILE: vicinity of Mountain View

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
864-868 MHz	MO	100KF2W	0.01 W (ERP)	
864-868 MHz	FX	100KF2W	0.01 W (ERP)	
901-902 MHz	FX	200KW7W	3 W (ERP)	
901-902 MHz	MO	200KW7W	3 W (ERP)	
902-928 MHz	FX	XXX		
902-928 MHz	MO	XXX		
930-960 MHz	MO	100KF2W	0.01 W (ERP)	
930-960 MHz	FX	100KF2W	0.01 W (ERP)	
946-949 MHz	MO	200KW7W	1 W (ERP)	
946-949 MHz	FX	200KW7W	1 W (ERP)	
1850-1910 MHz	MO	XXX	1.22 W (ERP)	
1850-1910 MHz	FX	XXX	1000 W (ERP)	
1910-1930 MHz	MO	XXX		
1910-1930 MHz	FX	XXX		
1930-1990 MHz	MO	XXX	1.22 W (ERP)	
1930-1990 MHz	FX	XXX	1000 W (ERP)	
2400-2483.5 MHz	FX	XXX		
2400-2483.5 MHz	MO	XXX		
5725-5850 MHz	MO	XXX		
5725-5850 MHz	FX	XXX		

Research Triangle Park, NC; MOBILE: vicinity of Research Triangle Park

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
864-868 MHz	FX	100KF2W	0.01 W (ERP)	

Frequency Information

Research Triangle Park, NC; MOBILE: vicinity of Research Triangle Park

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
864-868 MHz	MO	100KF2W	0.01 W (ERP)	
901-902 MHz	MO	200KW7W	3 W (ERP)	
901-902 MHz	FX	200KW7W	3 W (ERP)	
902-928 MHz	FX	XXX		
902-928 MHz	MO	XXX		
930-960 MHz	MO	100KF2W	0.01 W (ERP)	
930-960 MHz	FX	100KF2W	0.01 W (ERP)	
946-949 MHz	MO	200KW7W	1 W (ERP)	
946-949 MHz	FX	200KW7W	1 W (ERP)	
1850-1910 MHz	FX	XXX	1000 W (ERP)	
1850-1910 MHz	MO	XXX	1.22 W (ERP)	
1910-1930 MHz	FX	XXX		
1910-1930 MHz	MO	XXX		
1930-1990 MHz	MO	XXX	1.22 W (ERP)	
1930-1990 MHz	FX	XXX	1000 W (ERP)	
2400-2483.5 MHz	FX	XXX		
2400-2483.5 MHz	MO	XXX		
5725-5850 MHz	MO	XXX		
5725-5850 MHz	FX	XXX		

Morrisville, NC; MOBILE: vicinity of Morrisville

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
864-868 MHz	MO	100KF2W	0.01 W (ERP)	
864-868 MHz	FX	100KF2W	0.01 W (ERP)	
901-902 MHz	MO	200KW7W	3 W (ERP)	
901-902 MHz	FX	200KW7W	3 W (ERP)	
902-928 MHz	MO	XXX		
902-928 MHz	FX	XXX		
930-960 MHz	MO	100KF2W	0.01 W (ERP)	
930-960 MHz	FX	100KF2W	0.01 W (ERP)	
946-949 MHz	MO	200KW7W	1 W (ERP)	
946-949 MHz	FX	200KW7W	1 W (ERP)	
1850-1910 MHz	MO	XXX	1.22 W (ERP)	
1850-1910 MHz	FX	XXX	1000 W (ERP)	
1910-1930 MHz	FX	XXX		
1910-1930 MHz	MO	XXX		

Frequency Information

Morrisville, NC; MOBILE: vicinity of Morrisville

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1930-1990 MHz	MO	XXX	1.22 W (ERP)	
1930-1990 MHz	FX	XXX	1000 W (ERP)	
2400-2483.5 MHz	MO	XXX		
2400-2483.5 MHz	FX	XXX		
5725-5850 MHz	FX	XXX		
5725-5850 MHz	MO	XXX		

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 station identification requirements of Section 5.152 of the Commission's Rules are waived.
- (3) Licensee is authorized to use various modes of modulation, bandwidth, and data rates. None of these modes of transmission shall extend beyond the band limits set forth above. Power and emission for the 902-928, 2400-2483.5 and 5725-5850 MHz bands must conform to Part 15 FCC Rules.
- (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.
- (5) 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.
- (6) Operation in the 1910-1930 MHz band requires coordination with UTAM, Inc. pursuant to Section 15.307 of the Commission's Rules.
- (7) Operation in the Specialized Mobile Radio Service (SMR) frequency band(s) requires consent of SMR licensee(s) to avoid interference.
- (8) Operation in the 901-902 MHz band requires consent of Part 24 licensee(s) to avoid interference.