

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

EXPERIMENTAL

(Nature of Service)

KI2XAH

(Call Sign)

XD FX MO

(Class of Station)

0198-EX-RR-2010

(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. 5.3(d, e, f, g, i) of the Commission's Rules

Station Locations

- (1) Nationwide, US; MOBILE: Nationwide, US
- (2) Nationwide, US

Frequency Information

Nationwide, US; MOBILE: Nationwide, US

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
824-849 MHz	MO	XXX	0.6 W (ERP)	
864-868 MHz	FX	100KF2W	0.01 W (ERP)	
864-868 MHz	MO	100KF2W	0.01 W (ERP)	
869-894 MHz	FX	XXX	0.25 W (ERP)	

This authorization effective September 01, 2010 and
will expire 3:00 A.M. EST September 01, 2015

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

Nationwide, US; MOBILE: Nationwide, US

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
902-928 MHz	MO	100KF2W	1 W (ERP)	
902-928 MHz	FX	100KF2W	1 W (ERP)	
930-960 MHz	MO	100KF2W	0.01 W (ERP)	
930-960 MHz	FX	100KF2W	0.01 W (ERP)	
1850-1910 MHz	MO	XXX	1.22 W (ERP)	
1850-1910 MHz	FX	XXX	1000 W (ERP)	
1920-1930 MHz	MO	100KV7E	0.032 W (ERP)	
1930-1990 MHz	FX	XXX	1000 W (ERP)	
1930-1990 MHz	MO	XXX	1.22 W (ERP)	
2150-2156 MHz	FX	6M00D7W	1 W (ERP)	

Frequency Information

Nationwide, US; MOBILE: Nationwide, US

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2150-2156 MHz	MO	6M00D7W	1 W (ERP)	
2156-2162 MHz	MO	6M00D7W	1 W (ERP)	
2156-2162 MHz	FX	6M00D7W	1 W (ERP)	
2400-2483.5 MHz	MO	10M0D7D	1 W (ERP)	
2400-2483.5 MHz	FX	10M0D7D	1 W (ERP)	
2596-2644 MHz	FX	6M00D7W	1 W (ERP)	
2596-2644 MHz	MO	6M00D7W	1 W (ERP)	
2650-2656 MHz	FX	6M00D7W	1 W (ERP)	
2653 MHz	MO	6M00D7W	1 W (ERP)	
2662-2668 MHz	FX	6M00D7W	1 W (ERP)	

Frequency Information

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Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2665 MHz	MO	6M00D7W	1 W (ERP)	
2674-2680 MHz	FX	6M00D7W	1 W (ERP)	
2677 MHz	MO	6M00D7W	1 W (ERP)	
5725-5850 MHz	MO	10M0D7D	1 W (ERP)	
5725-5850 MHz	FX	10M0D7D	1 W (ERP)	
24250-24450 MHz	FX	6M00D7W	1 W (ERP)	
24250-24450 MHz	MO	6M00D7W	1 W (ERP)	
25050-25250 MHz	MO	6M00D7W	1 W (ERP)	
25050-25250 MHz	FX	6M00D7W	1 W (ERP)	
27500-28350 MHz	FX	6M00D7W	1 W (ERP)	

Frequency Information

Nationwide, US; MOBILE: Nationwide, US

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
27500-28350 MHz	MO	6M00D7W	1 W (ERP)	
29100-29250 MHz	MO	6M00D7W	1 W (ERP)	
29100-29250 MHz	FX	6M00D7W	1 W (ERP)	
38750-38950 MHz	MO	6M00D7W	1 W (ERP)	
38750-38950 MHz	FX	6M00D7W	1 W (ERP)	
39450-39650 MHz	MO	6M00D7W	1 W (ERP)	
39450-39650 MHz	FX	6M00D7W	1 W (ERP)	

Nationwide, US

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
3400-3600 MHz	FX	10M0W1D	1 W (ERP)	

Special Conditions:

- (1) 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.
- (2) 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."
- (3) Operation is subject to prior coordination with affected Educational Broadband Service/Broadband Radio Service (EBS/BRS) licensees.
- (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) Operation in the 824-849 or 869-894 MHz band requires consent of local cellular licensee(s) to avoid interference.
- (6) Operation in the 1710-1755 or 2110-2155 MHz band requires consent of local Advanced Wireless Service (AWS) licensee(s) to avoid interference.
- (7) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (8) 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.
- (9) The station identification requirements of Section 5.115 of the Commission's Rules are waived.
- (10) Operation on Commercial Mobile Radio Services (CMRS) frequencies requires consent of CMRS licensees to avoid interference.
- (11) No WiMAX equipment in the band 3300-3650 MHz will be offered for U.S. sales. Neither federal or state government nor private sector sales are allowed for U.S. use.
- (12) No equipment shall be developed in this band for use in the U.S. since it is a federal government band for radiolocation. Any development for use in the U.S. needs to be done in an approved FCC band. WiMAX should not be developed in the band 3300-3650 MHz for U.S. sales.
- (13) Nortel needs to be aware of possible interference from high power government radars in the band 3300-3650 MHz.
- (14) This grant authorizes the use of WiMAX equipment that is intended for export only.