

"Exhibit 1"

Frequency	Power	Power	Emission	Modulating Signal	Necessary Bandwidth
2150 MHz- 2156 MHz	1W	Peak	6M00D7W	4QAM 16QAM 64QAM	Determined W/spectrum analyzer
2156 MHz- 2162 MHz	1W	Peak	6M00D7W	4QAM 16QAM 64QAM	Determined W/spectrum analyzer
2596 MHz- 2644 MHz	1W	Peak	6M00D7W	4QAM 16QAM 64QAM	Determined W/spectrum analyzer
2650 MHz- 2656 MHz	1W	Peak	6M00D7W	4QAM 16QAM 64QAM	Determined W/spectrum analyzer
2662 MHz- 2668 MHz	1W	Peak	6M00D7W	4QAM 16QAM 64QAM	Determined W/spectrum analyzer
2674 MHz- 2680 MHz	1W	Peak	6M00D7W	4QAM 16QAM 64QAM	Determined W/spectrum analyzer
24.25 GHz- 24.45 GHz	1W	Peak	6M00D7W	4QAM 16QAM 64QAM	Determined W/spectrum analyzer
25.05 GHz- 25.25 GHz	1W	Peak	6M00D7W	4QAM 16QAM 64QAM	Determined W/spectrum analyzer
27.5 GHz- 28.35 GHz	1W	Peak	6M00D7W	4QAM 16QAM 64QAM	Determined W/spectrum analyzer
29.1 GHz- 29.25 GHz	1W	Peak	6M00D7W	4QAM 16QAM 64QAM	Determined W/spectrum analyzer
31.075 GHz- 31.225 GHz	1W	Peak	6M00D7W	4QAM 16QAM 64QAM	Determined W/spectrum analyzer
31.0 GHz- 31.075 GHz	1W	Peak	6M00D7W	4QAM 16QAM 64QAM	Determined W/spectrum analyzer
31.225 GHz- 31.3 GHz	1W	Peak	6M00D7W	4QAM 16QAM 64QAM	Determined W/spectrum analyzer
38.75 GHz- 38.95 GHz	1W	Peak	6M00D7W	4QAM 16QAM 64QAM	Determined W/spectrum analyzer

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Frequency	Power	Power	Emission	Modulating Signal	Necessary Bandwidth
39.45 GHz- 39.65 GHz	1W	Peak	6M00D7W	4QAM 16QAM 64QAM	Determined W/spectrum analyzer

NARRATIVE STATEMENT

"Exhibit 2"

FCC Form 442

This is a request for a **Modification** of the Experimental License authorization issued to Nortel.

- §5.202(d) of the Regulations: Technical demonstrations of equipment or techniques, and;
- §5.202(f) of the Regulations: Demonstrations of equipment of prospective purchasers for proposed stations in existing services by persons engaged in the business of selling radio equipment
- §5.202(I) of the Regulations: Development of radio technique, equipment, operational data or engineering data related to an existing or proposed radio service;

Modification consists of increasing overall ERP for broadband wireless technologies (see "Exhibit 1") to accommodate training of Nortel Networks employees and customers in the operation, maintenance of equipment for proposed stations. This modification will also accommodate broadband wireless technologies for demonstrations, field trials, trade shows, technical demonstrations of equipment or techniques and for demonstrations of equipment in existing services by persons engaged in the business of selling radio equipment.

"Exhibit 1"

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

EXPERIMENTAL

(Nature of Service)

XD FX MO

(Class of Station)

KI2XAH

(Call Sign)

6205-EX-ML-1998

(File Number)

NAME NORTEL

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(defgi) of the Commission's Rules

Station Locations

(1) US; MOBILE: UNITED STATES AND POSSESSIONS

Frequency Information

US; MOBILE: UNITED STATES AND POSSESSIONS

Frequency	Station Class	Emission Designator	Authorized Power watts	Tolerance (+/-)
24.25-24.45 GHz	FX	6M00D7W	0.03 Y (ERP)	
24.25-24.45 GHz	MO	6M00D7W	0.03 Y (ERP)	
25.05-25.25 GHz	MO	6M00D7W	0.03 Y (ERP)	
25.05-25.25 GHz	FX	6M00D7W	0.03 Y (ERP)	
27.5-28.35 GHz	MO	6M00D7W	0.03 Y (ERP)	
27.5-28.35 GHz	FX	6M00D7W	0.03 Y (ERP)	
29.1-29.25 GHz	MO	6M00D7W	0.03 Y (ERP)	
29.1-29.25 GHz	FX	6M00D7W	0.03 Y (ERP)	
31-31.075 GHz	MO	6M00D7W	0.03 Y (ERP)	
31-31.075 GHz	FX	6M00D7W	0.03 Y (ERP)	
31.075-31.225 GHz	FX	6M00D7W	0.03 Y (ERP)	
31.075-31.225 GHz	MO	6M00D7W	0.03 Y (ERP)	
31.225-31.3 GHz	MO	6M00D7W	0.03 Y (ERP)	
31.225-31.3 GHz	FX	6M00D7W	0.03 Y (ERP)	
38.75-38.95 GHz	MO	6M00D7W	0.03 Y (ERP)	
38.75-38.95 GHz	FX	6M00D7W	0.03 Y (ERP)	
39.45-39.65 GHz	FX	6M00D7W	0.03 Y (ERP)	
39.45-39.65 GHz	MO	6M00D7W	0.03 Y (ERP)	
824-849 MHz	MO	XXX	0.6 W (ERP)	
864-868 MHz	MO	100KF2W	0.01 W (ERP)	

This authorization effective OCT 14, 1998 and
will expire 3:00 A.M. EST OCT 01, 2000

FEDERAL
COMMUNICATIONS
COMMISSION



"Exhibit 1"

Frequency Information

US; MOBILE: UNITED STATES AND POSSESSIONS

Frequency	Station Class	Emission Designator	Authorized Power watts	Tolerance (+/-)
864-868 MHz	FX	100KF2W	0.01 W (ERP)	
869-894 MHz	FX	XXX	0.25 W (ERP)	
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	MO	6M00D7W	0.03 Y (ERP)	
2150-2156 MHz	FX	6M00D7W	0.03 Y (ERP)	
2156-2162 MHz	FX	6M00D7W	0.03 Y (ERP)	
2156-2162 MHz	MO	6M00D7W	0.03 Y (ERP)	
2400-2483.5 MHz	MO	XXX	1 W (ERP)	
2400-2483.5 MHz	FX	XXX	1 W (ERP)	
2596-2644 MHz	MO	6M00D7W	0.03 Y (ERP)	
2596-2644 MHz	FX	6M00D7W	0.03 Y (ERP)	
2650-2656 MHz	FX	6M00D7W	0.03 Y (ERP)	
2650-2656 MHz	MO	6M00D7W	0.03 Y (ERP)	
2662-2668 MHz	MO	6M00D7W	0.03 Y (ERP)	
2662-2668 MHz	FX	6M00D7W	0.03 Y (ERP)	
2674-2680 MHz	FX	6M00D7W	0.03 Y (ERP)	
2674-2680 MHz	MO	6M00D7W	0.03 Y (ERP)	
5725-5850 MHz	FX	XXX	1 W (ERP)	
5725-5850 MHz	MO	XXX	1 W (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) 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.

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Special Conditions:

- (6) Operation in the 1910-1930 MHz band requires coordination with UTAM, Inc. pursuant to Section 15.307 of the Commission's Rules.
- (7) 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.
- (8) Operation in the 824-849, 869-894, 930-931, or 940-941 MHz band requires consent of cellular and PCS licensees to avoid interference.