

L-3 Communications-LNR/Satellite Transmission Systems
Request for Special Temporary Authority
Exhibit I

License for Experimental Station

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

EXPERIMENTAL

(Nature of Service)

XD FX

(Class of Station)

KA2XCI

(Call Sign)

0067-EX-RR-2000

(File Number)

NAME VERTEX COMMUNICATIONS CORP.

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(g) of the Commission's Rules

Station Locations

(1) Kilgore, TX - NL 32-24-30; WL 94-51-15

Frequency Information

Kilgore, TX - NL 32-24-30; WL 94-51-15

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1450-1500 MHz	FX	N0N	10.5 kW (ERP)	
1500-1660.5 MHz	FX	N0N	14.1 kW (ERP)	
1670-1700 MHz	FX	N0N	14.1 kW (ERP)	
1750-1850 MHz	FX	N0N	18.2 kW (ERP)	
1990-2110 MHz	FX	N0N	26.9 kW (ERP)	
2200-2360 MHz	FX	N0N	40 kW (ERP)	
2500-2690 MHz	FX	N0N	67.6 kW (ERP)	
3400-4200 MHz	FX	N0N	174 kW (ERP)	
4500-4800 MHz	FX	N0N	209 kW (ERP)	
5850-7075 MHz	FX	N0N	380 kW (ERP)	
7250-7750 MHz	FX	N0N	427 kW (ERP)	
7900-8400 MHz	FX	N0N	479 kW (ERP)	
10700-13250 MHz	FX	N0N	1.6 MW (ERP)	
13750-14800 MHz	FX	N0N	1.9 MW (ERP)	
17300-21200 MHz	FX	N0N	3.2 MW (ERP)	

This authorization effective May 01, 2000 and
will expire 3:00 A.M. EST May 01, 2002

FEDERAL
COMMUNICATIONS
COMMISSION



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 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.

**L-3 Communications-LNR/Satellite Transmission Systems
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Exhibit II**

System Diagram

33.9 W

South Pole Combined Terminal Integrated Systems Testing

3/14/00

1. CONUS Integrated Systems Test 2-13 October, 2000

