

AIRNET COMMUNICATIONS CORPORATION
100 Rialto Place, Suite 300
Melbourne, Florida 32901
(407) 676-6716

November 11, 1998

Federal Communications Commission
Experimental Radio Services
P.O. Box 358320
Pittsburgh, Pennsylvania 15251-5320

Re: AirNet Communications Corp.
FCC File No. 6157-EXPL-98
Request for Special Temporary Authority

Dear Sir or Madam:

Pursuant to Section 5.61 of the Commission's Rules, 47 C.F.R. § 5.61, AirNet Communications Corporation ("AirNet"), requests that the Commission grant it Special Temporary Authority ("STA"), effective immediately and ending six months thereafter, or upon the grant of the pending new license application, file number 6157-EXPL-1998.

The following information is provided pursuant to FCC Rule Section 5.61:

1. **Name and Address of Applicant**

AirNet Communications Corporation
100 Rialto Place
Suite 300
Melbourne, Florida 322901

Attn: John Schwaller

2. **Need for Special Action**

An application for a new experimental license was filed May 15, 1998. See attached date-stamped photocopy. After six months, the application remains pending. According to the FCC's staff, the delay is caused by a backlog of applications awaiting processing. Special Temporary Authority is needed to enable AirNet to continue its program of testing and

demonstration of its base station and mobile station systems, which will be manufactured for sale to international mobile communications providers.

3. Type of Operation to be Conducted

Testing of applicant-manufactured base station equipment, including mobile drive testing. The equipment to be developed under the proposed experimental station will be exported to other countries. The 1.8 GHz band is used in other countries for Digital Communications Services, or "DCS." AirNet seeks to develop DCS-1800 equipment for export to those countries that employ this mobile communications standard. In particular, AirNet is pursuing agreements in China, Southeast Asia, and Australia.

4. Purpose of Operation

The STA is needed to enable AirNet to continue its program of testing and demonstration of its base station and mobile station systems, which will be manufactured for sale to international mobile communications providers.

5. Time and Date of Operation

As soon as possible.

6. Class of Station, Call Sign, Nature of Service

Class of Station:	XE, FX/MO
File Number:	6157-EXPL-1998
Nature of Service:	Experimental

7. Location of Proposed Operations

Within ten mile radius of N28-05-24 / W080-37-28.

8. Equipment to be Used, Manufacturer, Model and Number of Units

The fixed base station and mobile station equipment proposed for use by this STA request are experimental and have been manufactured by AirNet. In addition, AirNet seeks to use various "off-the-shelf" mobile units which have been manufactured by other companies.

9. Frequencies Desired

1747-1755 MHz (mobile transmit)

1842-1850 MHz (base transmit)

10. Plate Power Input to Final Radio Frequency Stage

Not applicable.

11. Type of Emission

The emission designator for the experimental station is 300KGXW.

12. Overall Height of Antenna Structure

Because AirNet seeks the flexibility to operate at temporary and fixed locations throughout a fixed radius of its testing site, some testing situations may require use of antennas or support structures that require FAA notification. FAA notification will be submitted in a timely manner if required under Part 17 of the Commission's Rules. In the past, AirNet has obtained FAA approval prior to commencing operations that affect air navigation. See e.g., FAA Aeronautical Study No. 95-ASO-1748-OE.

* * *

An anti-drug abuse certification, pursuant to 21 U.S.C. § 862, already on file with the Commission, on behalf of AirNet, is still valid. See FCC File No. 4476-EX-PL-94 (Item 21). The original of this request has been filed with the FCC's federal depository at Mellon Bank in Pittsburgh, Pennsylvania, accompanied by the appropriate fee of \$45.00.

If you have any questions regarding the nature of this request or the technical specifications contained herein, please contact our communications counsel, Russ Taylor, of Gardner, Carton & Douglas, 1301 K Street, N.W., 900 East Tower, Washington, D.C. 20005, (202) 408-7172.

Respectfully submitted,

AIRNET COMMUNICATIONS CORPORATION


John Schwaller

cc: Mr. Doug Young (via facsimile)
FCC, Experimental Licensing Branch

GARDNER, CARTON & DOUGLAS

1301 K STREET, N.W.

SUITE 900, EAST TOWER

WRITER'S DIRECT DIAL NUMBER

WASHINGTON, D.C. 20005

CHICAGO, ILLINOIS

RUSS TAYLOR
202-408-7172

(202) 408-7100

FAX: (202) 289-1504

INTERNET: gcdlawdc@gcd.com

ORIGINAL

November 12, 1998

Federal Communications Commission
Experimental Radio Services
P.O. Box 358320
Pittsburgh, PA 15251-5320

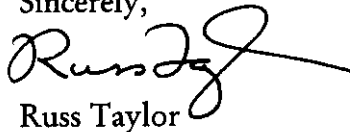
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Dear Sir or Madam:

Enclosed, on behalf of AirNet Communications Corp. ("Airnet") and pursuant to Section 5.61 of the Commission's rules, is a request for Special Temporary Authority ("STA"). This request is accompanied by FCC Form 159 and the requisite filing fee of \$45.00, fee type code EAE.

If you have any questions regarding this matter, please call me.

Sincerely,


Russ Taylor

Enclosures