

United States of America
FEDERAL COMMUNICATIONS COMMISSION
EXPERIMENTAL
SPECIAL TEMPORARY AUTHORIZATION

EXPERIMENTAL
(Nature of Service)

K M 2 X O Q
(Call Sign)

XE/XD FX
(Class of station)

S-2141-EX-95
(File number)

NAME AirNet Communications Corporation

Within a 19 km radius of Melbourne, FL
(Location of station)

Special Temporary Authority is hereby granted to operate the radio transmitting apparatus described below:

Frequency (MHz)	Authorized Power (watts)	Emission Designator
895 - 905	3 (ERP)	25K0F9W
940 - 950	10 (ERP)	25K0F9W/N0N
1850 - 1990	10 (ERP)	25K0N0N

Special Conditions:

- (1) 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 shutdown.
- (2) Licensee shall conduct frequency studies of the surrounding area prior to operation to avoid interference to authorized users.

This special temporary authorization is granted upon the express condition that it may be terminated by the Commission at any time without advance notice or hearing if in its discretion the need for such action arises. Nothing contained herein shall be construed as a finding by the Commission that the authority herein granted is or will be in the public interest beyond the express terms hereof.

This special temporary authorization shall not vest in the grantee any right to operate the station nor any right in the use of the frequencies designated in the authorization beyond the term hereof, nor in any other manner than authorized herein. Neither the authorization nor the right granted hereunder shall be assigned or otherwise transferred in violation of the Communications Act of 1934. This authorization is subject to the right of use of control by the Government of the United States conferred by Section 706 of the Communications Act of 1934.

This authorization effective October 5, 1995 and
will expire 3:00 A.M. EST. November 30, 1995



GARDNER, CARTON & DOUGLAS

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Suite 900, East Tower
Washington, D.C. 20005-3317
Telephone No. (202) 408-7100
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FACSIMILE COVER LETTER

DATE: October 5, 1995

TO: Mr. Kimberly M. Baum

COMPANY: Federal Communications Commission

FROM: Russ Taylor

FAX
PHONE: 202/ 887-5637

DIRECT
PHONE #: 202/ 776-1606

PHONE #: (202) 408-7172

TOTAL NUMBER OF PAGES INCLUDING COVER SHEET 4

MESSAGE:

Kim: Here is the STA modification we discussed. The original will be filed with Pittsburgh tomorrow. Please fax the STA grant to my attention at (202) 289-1504. Sorry for the rush - as usual we appreciate your efforts.

Russ Taylor (202) 408-7172.

**IF THERE IS ANY PROBLEM WITH THIS TRANSMISSION, PLEASE CALL AS SOON AS POSSIBLE
(202) 408-7197**

... CONFIDENTIALITY NOTE ...

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Secretary's In Box: _____ Sender's Chair: YES Other: _____

Secretary's Name and Floor: _____

Job #: _____ User Number: 7172 Client Number: 73021 Matter Number: 1

FAXSHEETING

S-2141-EX-95

AirNet Communications Corporation

100 Rialto Place
Suite 300
Melbourne, Florida 32901
(407) 984-1990

KM2XOQ

mod.

October 5, 1995

Federal Communication Commission
Experimental Radio Stations
P.O. Box 3821
Pittsburgh, Pennsylvania 15251-5315

Re: Experimental Radio Station KM2XOQ
File No. S-2113-EX-95
Request for Modification of Special Temporary Authority

Dear Sir or Madam:

Pursuant to Section 5.56 of the Commission's Rules, 47 C.F.R. § 5.56, AirNet Communications Corporation ("AirNet"), requests the Commission to modify its Special Temporary Authority ("STA"), effective September 18, 1995, to expire on October 19, 1995, to operate Station KM2XOQ using an 80-foot crane for the purpose of performing "tone testing" in its service area.

Specifically, AirNet seeks to modify its STA to expand the frequencies associated thereunder. AirNet requests that the Commission modify its STA to reflect the following frequencies:

¹⁹⁹⁰
1850-2200 MHz

No other changes are requested. AirNet certifies that these frequencies will be employed only for the limited purpose of testing possible antenna sites to be used with a PCS experimental authorization. Because AirNet will soon file for a permanent authorization for experimental use of the above-referenced PCS frequencies, it is more efficient to perform its tone testing for PCS and TACS at the same time. See Exhibit A for additional technical details concerning the need for PCS testing.

As it has continually done since it was originally granted experimental authority in November 1994, AirNet will take all requisite steps to prevent harmful interference to authorized users in the surrounding area.

flag
JmB

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, Grier C. Raclin or Susan H.R. Jones, of Gardner, Carton & Douglas, 1301 K Street, N.W., 900 East Tower, Washington, D.C. 20005, (202) 408-7100.

Respectfully submitted,

AirNet Communications Corporation



David J. Thibodeau, Jr.
Vice President - General Counsel

cc Ms. Kimberly M. Baum (by hand delivery)
Experimental Licensing Branch
Federal Communications Commission
2000 M Street, N.W.
Suite 230
Washington, D.C. 20534

EXHIBIT A

Cell Testing Plan

AirNet plans to conduct a series of single continuous wave (CW) tone tests to evaluate the suitability of locations for possible later approval and construction of approximately three (3) additional experimental cellular telephone base station sites. The sites to be tested are all within a twelve (12) mile radius of the current experimental base station location at 100 Rialto Place, Melbourne, Florida.

The tests will consist of broadcasting CW tones at no more than 10 watts ERP at a radiation center of 100 ft. AMSL. The tone frequency will be in the PCS (1850-2200 MHz) spectrum. The tone will be broadcast from a number of locations within the twelve mile radius. The tests will begin immediately upon approval and not extend past Oct. 31, 1995. Completion of the testing is scheduled for the end of September 1995 but the additional time is requested to accommodate the possibility of unforeseen difficulties.

end of Nov.
?

AirNet takes the responsibility of ensuring that these tests are carried out on a non-interfering basis with any existing FCC authorized licensees in the TACS spectrum.