

United States of America
FEDERAL COMMUNICATIONS COMMISSION
EXPERIMENTAL
SPECIAL TEMPORARY AUTHORIZATION

EXPERIMENTAL
(Nature of Service)

WA2XLC
(Call Sign)

XD FX
(Class of station)

S-3144-EX-97
(File number)

NAME EMS Technologies, Inc.
660 Engineering Drive, Norcross, GA - NL 33-58-02; WL 084-13-47

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

Frequency (MHz)	Authorized Power (watts)	Emission Designator
806 - 849	2.9 (ERP)	NON
851 - 960	2.9 (ERP)	NON
1429 - 1465	4.5 (ERP)	NON
1477 - 1513	4.5 (ERP)	NON
1710 - 1785	3.2 (ERP)	NON
1805 - 1910	3.2 (ERP)	NON
1930 - 1990	3.2 (ERP)	NON
2400 - 2499	3.2 (ERP)	NON

Purpose of Operation: Antenna testing.

Special Conditions: See attached Page 2

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 December 18, 1997 and
will expire 3:00 A.M. EST. June 18, 1998



S-3144-EX-97

PIPER & MARBURY

L.L.P.

1200 NINETEENTH STREET, N.W.

WASHINGTON, D.C. 20036-2430

202-861-3900

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RANDALL B. LOWE

202-861-6477

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BALTIMORE

NEW YORK

PHILADELPHIA

EASTON

December 17, 1997

BY FEDERAL EXPRESS

Federal Communications Commission
Experimental Radio Services
P. O. Box 358320
Pittsburgh, Pennsylvania 15251-5315

Re: Request for Extension of Special Temporary Authority

Gentlemen:

On behalf of EMS Technologies, Inc. ("EMS"), we are submitting herewith a request for a six (6) month extension of the Special Temporary Authority ("STA") which expires on December 31, 1997. Extension of the STA is necessary because the application for a new station in the experimental radio service (FCC Form 442) filed simultaneously with the original STA request on March 25, 1997, remains pending at the Commission.

Pursuant to the STA (and the underlying application for an experimental radio license), EMS Wireless, a division of EMS Technologies, Inc. is testing antenna designs for cellular, PCS and similar communications services, as well as spot checking antennas to ensure conformity with established specifications. The STA has permitted EMS to commence testing which, in turn, benefits the public by expediting manufacture and distribution of antennas to satisfy the public's demand for increasingly popular cellular, PCS and similar service, and ensuring that antennas meet quality standards.

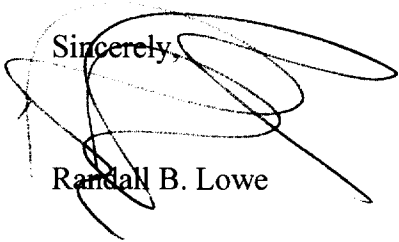
EMS believes that the public interest will be served and that no entity will be harmed by extension of the STA. EMS acknowledges that its proposed operation of an experimental radio frequencies is conditioned on final disposition of its FCC Form 442 by the FCC and will cease operation immediately if requested by the FCC.

Federal Communications Commission
December 17, 1997
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A drug certification statement, a check in the amount of \$45.00 in payment of the STA request filing fee, and FCC Form 159 are attached hereto.

Any questions regarding this matter should be directed to the undersigned counsel.

Sincerely,



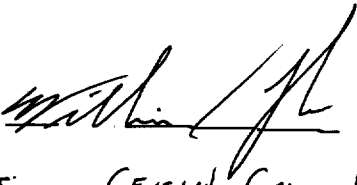
Randall B. Lowe

RBL/mjs
Attachments

CERTIFICATION PURSUANT TO 21 U.S.C. § 853a

The applicant certifies that neither it nor any party to this application is subject to a denial of federal benefits pursuant to Section 5301 of the Anti Drug Abuse Act of 1988.

EMS TECHNOLOGIES, INC.

By: 

Title:

GENERAL COUNSELDate: December 16, 1997



FAX COVER SHEET

Page 1 of 3 pages

DATE: December 29, 1997

FROM: Douglas A. Young 1300 - E1
FEDERAL COMMUNICATIONS COMMISSION
Experimental Licensing Branch
2000 M Street, Suite 230
Washington, DC 20554

PHONE: (202) 418-2440

FAX: (202) 418-1918

TO: Mr. Randall B. Lowe

NAME

Piper & Marbury, L.L.P.

COMPANY

(202) 861 - 6477

PHONE

(202) 223 - 2085

FAX

Mr. Lowe:

Here is a copy of EMS Technologies, Inc.'s STA for station WA2XLC, File Number S-3144-EX-97. The original license will be mailed to the licensee this week.

Doug Young
