

United States of America
FEDERAL COMMUNICATIONS COMMISSION
EXPERIMENTAL
SPECIAL TEMPORARY AUTHORIZATION

EXPERIMENTAL
(Nature of Service)

WA2XLC
(Call Sign)

XD FX
(Class of station)

S-2879-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 June 18, 1997 and
will expire 3:00 A.M. EST. December 18, 1997



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) Operation in the 1850-1910 or 1930-1990 MHz bands requires prior frequency coordination with 2 GHz microwave users and PCS licensees to avoid interference.
- (4) Operation in the 824-849, 869-894, 901-902, 930-931, or 940-941 MHz bands requires coordination with cellular and/or PCS licensees to avoid interference.
- (5) Operation in the 896-901 or 935-940 MHz bands requires coordination with local SMR licensees to avoid interference.
- (6) Operation in the 1435-1535 MHz band requires coordination with the Aerospace and Flight Test Radio Coordinating Council (AFTRCC) to avoid interference.

5-2879-EX-97

PIPER & MARBURY

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EASTON

March 25, 1997

BY FEDERAL EXPRESS

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

Re: Request for Special Temporary Authority

Gentlemen:

On behalf of EMS Technologies, Inc. ("EMS"), we are submitting herewith a request for Special Temporary Authority ("STA") to commence operation of a new station in the experimental radio service during the pendency of processing by the Commission of its application for a new station on FCC Form 442. The application is being filed simultaneously with this request for an STA, and a copy of it is attached hereto for the Commission's convenience.

5695-EX-97

As explained in the application, EMS Wireless, a division of EMS Technologies, Inc. is seeking an experimental radio license in order to test antenna designs for cellular, PCS and similar communications services, as well as spot checking antennas to ensure conformity with established specifications. EMS has a number of customers who would like to begin immediate testing of their antennas. Expedited testing will, in turn, benefit the public by expediting manufacture and distribution of antennas to satisfy the public's demand for increasingly popular cellular, PCS and similar service, and ensure that antennas meet quality standards.

EMS believes that the public interest will be served and that no entity will be harmed by grant of the instant STA. Because of the very low power (1 watt) at which tests will be conducted and the terrain of the test area, EMS is highly confident that the test program for which the STA is sought will not interfere with any other station. EMS acknowledges that its proposed operation of an experimental radio frequencies is

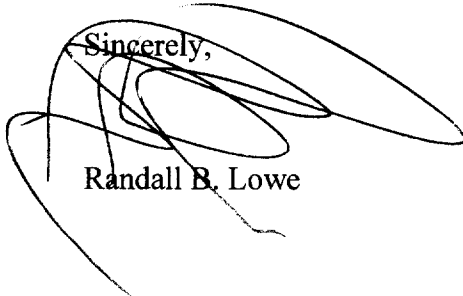
Federal Communications Commission
March 25, 1997
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conditioned on final disposition of its FCC Form 442 by the FCC and will cease operation immediately if requested by the FCC.

A drug certification statement, a check in the amount of \$45.00 in payment of the STA request filing fee, FCC Form 159, and a copy of FCC Form 442 are attached hereto.

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

Sincerely,



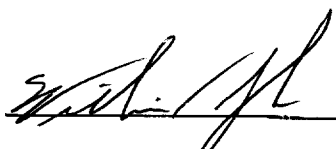
Randall B. Lowe

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: 20 March 1997

