

United States of America
FEDERAL COMMUNICATIONS COMMISSION
EXPERIMENTAL
SPECIAL TEMPORARY AUTHORIZATION

EXPERIMENTAL
(Nature of Service)

W A 2 X H E
(Call Sign)

XD FX
(Class of station)

S-3150-EX-97
(File number)

NAME Final Analysis, Inc.
9701-E Philadelphia Court, Lanham, MD - NL 38-57-39; WL 076-50-19
(Location of station)

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

Frequency (MHz)	Authorized Power (watts)	Emission Designator
148.7	200 (ERP)	100KF1D

Purpose of Operation: Telemetry, tracking and control of FAISAT-2V experimental satellite from Lanham ground station.

Special Condition: Transmissions shall be limited in number and duration to those described in the application.

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 January 5, 1998 and
will expire 3:00 A.M. EST. April 5, 1998



5-3150-EX-97

KELLEY DRYE & WARREN LLP

A LIMITED LIABILITY PARTNERSHIP INCLUDING PROFESSIONAL ASSOCIATIONS

1200 19TH STREET, N.W.

SUITE 500

WASHINGTON, D. C. 20036

(202) 955-9600

FACSIMILE

(202) 955-9792

NEW YORK, N.Y.

LOS ANGELES, CA.

MIAMI, FL.

CHICAGO, IL.

STAMFORD, CT.

PARSIPPANY, N.J.

BRUSSELS, BELGIUM

HONG KONG

AFFILIATED OFFICES

NEW DELHI, INDIA

TOKYO, JAPAN

WRITER'S DIRECT LINE

(202) 955-9774

December 31, 1997

VIA HAND-DELIVERY

Mr. Douglas A. Young
Office of Engineering and Technology
Experimental Licensing Branch
Federal Communications Commission
2000 M Street, Suite 230
Stop Code 1300 - C1
Washington, D.C. 20554

Re: Final Analysis Inc. emergency request for special temporary authority
to operate on frequency 148.7 MHz from Lanham, MD ground station
(Call Sign WA2XHE; File No. 5582-EX-PL-97)

Dear Mr. Young:

Pursuant to Section 309(f) of the Communications Act of 1934, as amended, 47 U.S.C. § 309(f), and Section 5.56 of the Commission's rules, 47 C.F.R. § 5.56, Final Analysis Inc. ("Final Analysis"), by its attorneys, hereby submits this request for special temporary authority to operate on the above-referenced frequency on a limited, emergency basis. Final Analysis requests an emergency STA to conduct telemetry, tracking and control ("TT&C") communications with its experimental Little LEO satellite, FAISAT-2v, from its main ground station in Lanham, Maryland, on frequency 148.7 MHz for a three-month period from the date of grant of the STA and on a limited basis. TT&C communications will be limited to a portion (5%) of each of four (4) 15 minute passes each day when FAISAT-2v is in view of the Lanham ground station not to exceed a total of 3 minutes each day.¹

1

The application information required for requests for special temporary authority under Section 5.56 of the Rules is attached hereto in Attachment A. The signature and certification of an officer of Final Analysis as required by Section 5.54 of the Rules is attached hereto in Attachment B.

KELLEY DRYE & WARREN LLP

Mr. Douglas A. Young
December 31, 1997
Page 2

Since FAISAT-2v was launched from Plesetsk, Russia on September 23, 1997, Final Analysis's technical staff at Lanham has been actively engaged in monitoring and TT&C of the satellite to ensure that it enters into proper operational condition. TT&C communications with FAISAT-2v must be performed on the 148.7 MHz frequency. However, due to congestion in the 148.7 MHz frequency in the Washington, D.C. area, Final Analysis has not been able to obtain permanent experimental authority to conduct communications on that frequency from Lanham. Thus, Final Analysis's technical staff in Lanham is currently conducting TT&C with FAISAT-2v remotely through telephone modem uplinks to its two other ground stations in Logan, Utah and Andoya, Norway, where it is authorized to use the 148.7 MHz frequency. These modem uplinks have been subject to potential and unforeseeable interruptions. In light of this, the FCC granted Final Analysis an emergency STA on September 25, 1997, to use the 148.7 MHz frequency from Lanham to conduct TT&C communications with FAISAT-2v on a limited, emergency basis. That STA expired on October 25, 1997. See Experimental Call Sign WA2XHE (File No. S-3064-EX-97).

Final Analysis has encountered early orbit operational difficulties due to the limited command capabilities from the telephone modem uplinks to Logan and Andoya which are not yet at 100 percent reliability. Special temporary authority on an emergency basis is necessary to allow Final Analysis to conduct TT&C communications on the 148.7 MHz frequency between its main Lanham ground station and FAISAT-2v to ensure that the satellite enters into its proper orbital operation. Accordingly, Final Analysis urges the Commission to expeditiously grant this emergency STA request to allow it to operate on the 148.7 Mhz frequency for a three-month period under the limited terms described above for TT&C between its Lanham ground station and the FAISAT-2v Little LEO satellite.

Respectfully submitted,



Peter A. Batacan
Counsel to Final Analysis Inc.

cc: Mr Frank Wright (via hand-delivery)
Attachment: Final Analysis signature and certification page

ATTACHMENT A

SPECIFIC INFORMATION REQUIRED BY SECTION 5.56 OF THE RULES

- 1) Name and Address:** Final Analysis Inc., 9701-E Philadelphia Court, Lanham, MD, 20706.
- 2) Need for Special Action:** To conduct TT&C from Lanham ground station and headquarters on frequency 148.7 MHz to monitor FAISAT 2-v satellite's orbital pattern during the next three-month phase of the mission.
- 3) Type of Operation to be Conducted:** Telemetry, tracking and control of experimental Little LEO satellite from Lanham ground station.
- 4) Purpose of Operation:** *Same as above*
- 5) Time and Date of Proposed Operation:** For a three-month period from date of grant of STA. Operations on 148.7 MHz will be limited to 5 percent of each of four (4) 15 minute passes per day when FAISAT-2v is in view of the Lanham ground station not to exceed a total of three minutes per day.
- 6) Class of Station, Call Sign, Nature of Service:** Experimental Ground Station for Experimental Little LEO satellite program; Call Sign WA2XHE; Experimental Satellite Service.
- 7) Location of Proposed Operation:** Final Analysis Inc., 9701-E Philadelphia Court, Lanham, MD (north latitude 38-57-39; west longitude 76-50-19)
- 8) Equipment:** Experimental Ground Station Transmitter (1 unit).
- 9) Frequencies:** 148.7 MHz
- 10) Effective Radiated Power:** 200W maximum effective radiated power from the antenna.
- 11) Type of Emission:** 100KF1D
- 12) Overall Height Above Ground of Antenna Structure:** The antenna is mounted on an existing building and will not extend more than 6 meters above the building. See Final Analysis Inc., Initial Application for Lanham Experimental Ground Station on FCC Form 442, dated November 13, 1996 at Item 15.

ATTACHMENT B**SIGNATURE AND CERTIFICATION OF APPLICANT**

On behalf of Final Analysis Inc., and in accordance with Sections 5.54-5.56 of the Commission's rules, 47 C.F.R. §§ 5.54-5.56, I hereby certify that the statements in the foregoing Request for Emergency Special Temporary Operating Authority are true, complete and correct to the best of my knowledge. I also hereby certify, in accordance with Sections 1.2001-1.2003 of the Commission's rules, 47 C.F.R. §§ 1.2001-1.2003, that no party to this application is subject to a denial of federal benefits, including FCC benefits, pursuant to Section 5301 of the Anti-Drug Abuse Act of 1988, 21 U.S.C. § 862(a).

FINAL ANALYSIS INC.**By:**


Michael H. Ahan
Executive Vice President

Dated:

12/31/97

KELLEY DRYE & WARREN LLP

A LIMITED LIABILITY PARTNERSHIP INCLUDING PROFESSIONAL ASSOCIATIONS

1200 19TH STREET, N.W.

SUITE 500

WASHINGTON, D. C. 20036

(202) 955-9600

ORIGINAL

FACSIMILE

(202) 955-9792

WRITER'S DIRECT LINE

(202) 955-9774

NEW YORK, N.Y.

LOS ANGELES, CA.

MIAMI, FL.

CHICAGO, IL.

STAMFORD, CT.

PARSIPPANY, N.J.

BRUSSELS, BELGIUM

HONG KONG

AFFILIATED OFFICES

NEW DELHI, INDIA

TOKYO, JAPAN

December 31, 1997

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

FCC/MELLON DEC 31 1997

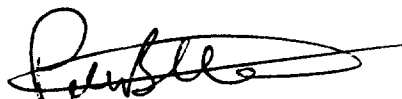
Re: Final Analysis Inc. -- Emergency Request for Special
Temporary Authority on Frequency 148.7 MHz from
Experimental Satellite Ground Station in Lanham, MD
(Call Sign WA2XHE; File No. 5582-EX-PL-97)

To Whom It May Concern:

Final Analysis Inc., by its attorneys, hereby submits the enclosed request for an emergency STA with respect to its above-referenced experimental satellite ground station. The original and two copies of this request are enclosed with this filing. Also included with this filing is a check made out to the Federal Communications Commission in the amount of \$45.00 for the appropriate fee (FCC Fee Code EAE) and FCC Form 159 (Remittance Advice).

Please do not hesitate to contact the undersigned at the above-referenced number if you have any questions regarding this matter.

Respectfully submitted,



Peter A. Batacan
Counsel to Final Analysis Inc.

Enclosures



FAX COVER SHEET

Page 1 of 2 pages

DATE: January 5, 1998

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. Peter A. Batacan
NAME

Kelley Drye & Warren LLP
COMPANY

(202) 955 - 9774
PHONE

(202) 955 - 9792
FAX

Mr. Batacan:

Here is a copy of Final Analysis Inc.'s STA for station WA2XHE, File Number S-3150-EX-97. The original license will be mailed to the licensee upon receipt of the original application.

Doug Young
