

**United States of America**  
**FEDERAL COMMUNICATIONS COMMISSION**  
**EXPERIMENTAL**  
**SPECIAL TEMPORARY AUTHORIZATION**

EXPERIMENTAL  
(Nature of Service)

K O 2 X D O  
(Call Sign)

XD MO  
(Class of station)

S-2834-EX-97  
(File number)

NAME BST, Inc.

Richmond, VA Fairgrounds - NL 37-31-06; WL 077-25-30  
(Location of station)

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

| Frequency<br>(MHz) | Authorized<br>Power (watts) | Emission<br>Designator |
|--------------------|-----------------------------|------------------------|
| 1948               | 4 W (output)                | 17M0F9W                |
| 1965               | 4 W (output)                | 17M0F9W                |
| 1982               | 4 W (output)                | 17M0F9W                |
| 2557               | 4 W (output)                | 17M0F9W                |
| 2574               | 4 W (output)                | 17M0F9W                |
| 2591               | 4 W (output)                | 17M0F9W                |

Special Conditions:

(1) Operation in the 1930 - 1990 MHz band requires prior frequency coordination with 2 GHz microwave users and consent of PCS licensees to avoid interference.

(2) Operation on 2557, 2574 and 2591 MHz requires consent of ITFS/MDS licensees to avoid interference.

(3) Operation is limited to the dates March 1-3, 1997 and September 4-7, 1997.

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 March 1, 1997 and  
will expire 3:00 A.M. EST. September 7, 1997



**BOOTH, FRERET, IMLAY & TEPPER, P.C.**

ATTORNEYS AT LAW

CHRISTOPHER D. IMLAY  
CARY S. TEPPER

1233 20TH STREET, N.W., SUITE 204  
WASHINGTON, D.C. 20036-2304

ROBERT M. BOOTH, JR. (1911-1981)  
JULIAN P. FRERET (RETIRED)

February 25, 1997

TELEPHONE: (202) 296-9100  
FACSIMILE: (202) 293-1319

Experimental Licensing Branch  
New Technology Development Division  
Office of Engineering and Technology  
2000 M Street, N.W. Suite 230  
Washington, D.C. 20554

Attention: Mr. Carl Huie / Mr. Doug Young

Re: Request for Special Temporary Authority  
for Use of Certain 2 GHz frequencies;  
BST, Inc. (formerly Broadcast Sports  
Technology); **March 1-2, 1997, and September  
4-6, 1997.**

Gentlemen:

This office represents BST, Inc., (formerly Broadcast Sports Technology), a manufacturer and provider of video transmission equipment for remote video and film production at sporting events, and in particular, automobile racing competitions. Your office has been most helpful and responsive in the past with respect to grant of an experimental license and STAs for testing and use of new products of BST. These include new RF cameras that have now been type accepted and are used regularly in race cars for video transmission. BST is preeminent in this field, due in large part to the Commission's receptive approach to experimental and STA authorization for testing of these devices.

BST presently holds an STA for certain 2.3-2.4 GHz frequencies for testing and operation of RF camera equipment. BST intends to utilize numerous in-car cameras simultaneously, during the automobile races at Richmond, Virginia at the fairgrounds. The video will be relayed to helicopters and then to a video production vehicle on site. The frequencies listed below are to be used for downlinked video from the helicopter to the ground using a highly directional antenna pointed downward. As such, the potential for interference to any licensee nearby is negligible. Most of the broadcast auxiliary frequencies which BST would normally request are unavailable, as they are heavily used by Part 74 licensees on

Experimental Licensing Branch  
February 25, 1997  
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site. Therefore, in addition to the frequencies for which BST has existing authority to use, we hereby request, for the period March 1-2 and September 4-6, 1997, STA use of the following frequencies:

| Frequency (MHz) | Power (watts) | Emission Designator |
|-----------------|---------------|---------------------|
| 1948            | 4 (output)    | 17M0F9W             |
| 1965            | 4 (output)    | 17M0F9W             |
| 1982            | 4 (output)    | 17M0F9W             |
| 2557            | 4 (output)    | 17M0F9W             |
| 2574            | 4 (output)    | 17M0F9W             |
| 2591            | 4 (output)    | 17M0F9W             |

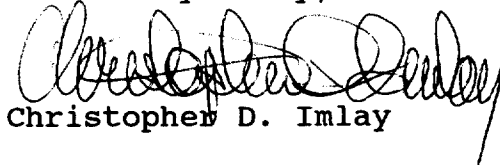
**All operation will be on a non-interference basis to licensed users of these frequencies.**

BST was granted special temporary authority to utilize these frequencies in February and July of last year (reference call sign KO2XDO, File No. S-2304-EX-96, and again this year, premised on prior coordination with the ITFS licensees in the area. BST will coordinate use of the requested frequencies with these same entities now and will obtain their concurrence, as was done in previous instances. It will also coordinate with any PCS entities in the area and avoid all interference.

The location of the Richmond Fairgrounds in Richmond, VA is N 37° 31.1', W 77° 25.5'. All operation will cease on these frequencies upon any report of interference. The contact person is Peter Larsson, who can be reached at 1-410-672-3900 or by facsimile at 1-410-672-3906. Notices may also be sent to this office.

The original of this STA request is being filed in Pittsburgh, together with the requisite filing fee in the amount of \$45.00, by check of this office payable to the Commission. Copies of the check and the FCC Fee form are attached hereto as evidence of filing today. **We appreciate your prompt review of this urgent request due to the short timetable available, and apologize for the short notice.** Should any question arise concerning this request, kindly notify the undersigned counsel.

Yours very truly,



Christopher D. Imlay

cc: Peter Larsson  
Broadcast Sports Technology

ORIGINAL **FCC REMITTANCE ADVICE**PAGE NO. 1 OF 1

(RESERVED)

SPECIAL USE

FCC USE ONLY

(Read instructions carefully BEFORE proceeding.)

**PAYOR INFORMATION**

(1) FCC ACCOUNT NUMBER

Did you have a number prior to this? Enter it.

(2) TOTAL AMOUNT PAID (dollars and cents)

0 5 2 1 9 3 3 1 1 3

\$ 45 • 00

(3) PAYOR NAME (If paying by credit card, enter name exactly as it appears on your card)

BOOTH FRERET IMLAY &amp; TEPPER, P.C.

(4) STREET ADDRESS LINE NO. 1

1233 20th Street, N. W., Suite 204

(5) STREET ADDRESS LINE NO. 2

(6) CITY

Washington

(7) STATE

DC

(8) ZIP CODE

20036

(9) DAYTIME TELEPHONE NUMBER (Include area code)

(202) 296-9100

(10) COUNTRY CODE (if not U.S.A.)

**ITEM #1 INFORMATION**

(11A) NAME OF APPLICANT, LICENSEE, REGULATEE, OR DEBTOR

BST, Inc.

FCC USE ONLY

(12A) FCC CALL SIGN/OTHER ID

KO2XDO

(13A) ZIP CODE

(14A) PAYMENT TYPE CODE

E

A

E

(15A) QUANTITY

1

(16A) FEE DUE FOR  
PAYMENT TYPE CODE  
IN BLOCK 14  
\$ 45.00

(17A) FCC CODE 1

(18A) FCC CODE 2

(19A) ADDRESS LINE NO. 1

1360 Blair Drive, Ste. A

(20A) ADDRESS LINE NO. 2

(21A) CITY/STATE OR COUNTRY CODE

Odenton, MD 21113

**ITEM #2 INFORMATION**

(11B) NAME OF APPLICANT, LICENSEE, REGULATEE, OR DEBTOR

FCC USE ONLY

(12B) FCC CALL SIGN/OTHER ID

(13B) ZIP CODE

(14B) PAYMENT TYPE CODE

(15B) QUANTITY

(16B) FEE DUE FOR  
PAYMENT TYPE CODE  
IN BLOCK 14  
\$

(17B) FCC CODE 1

(18B) FCC CODE 2

(19B) ADDRESS LINE NO. 1

(20B) ADDRESS LINE NO. 2

(21B) CITY/STATE OR COUNTRY CODE

**CREDIT CARD PAYMENT INFORMATION**

(22) MASTERCARD/VISA ACCOUNT NUMBER:

☐ Mastercard

EXPIRATION DATE:

☐ Visa

Month

Year

(23) I hereby authorize the FCC to charge my VISA or Mastercard  
for the service(s)/authorization(s) herein describe.

AUTHORIZED SIGNATURE

DATE



# FAX COVER SHEET

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**DATE:** February 27, 1997

**FROM:** Douglas A. Young 1300 - C1  
FEDERAL COMMUNICATIONS COMMISSION  
Experimental Licensing Branch  
2000 M Street, Suite 230  
Washington, DC 20554

**PHONE:** (202) 418-2440

**FAX:** (202) 418-1918

**TO:** Mr. Christopher D. Imlay  
NAME

Booth, Freret, Imlay & Tepper, P.C.  
COMPANY

(202) 296 - 9100  
PHONE

(202) 293 - 1319  
FAX

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Mr. Imlay:

Here is a copy of BST, Inc.'s STA for station KO2XDO, File Number S-2834-EX-97. The original license will be mailed to the licensee upon receipt of the original application.

Doug Young

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