

**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-2774-EX-97
(File number)

NAME BST, Inc.

Various motor sporting events as stated in request dated 01/15/97
(Location of station)

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

Frequency (MHz)	Authorized Power	Emission Designator
2316	2.5 W (output)	17M0F9W
2333	2.5 W (output)	17M0F9W
2350	2.5 W (output)	17M0F9W
2367	2.5 W (output)	17M0F9W
2384	2.5 W (output)	17M0F9W
2496	2.5 W (output)	17M0F9W

Special Conditions:

- (1) For each location, prior to operation in the 2310 - 2390 MHz band, licensee must coordinate with the Aeronautical Flight Test Radio Coordination Council (AFTRCC).

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 17, 1997 and
will expire 3:00 A.M. EST. March 24, 1997



5-2774-EX-97
ORIGINAL

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)

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

January 15, 1997

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

Re: Request for Special Temporary Authority
for Use of Certain 2 GHz frequencies; BST, Inc.
(formerly Broadcast Sports Technology) Odenton,
MD; Experimental License KO2XD0; Request for
Special Temporary Authorization.

Gentlemen/Ladies:

This office represents BST, Inc., formerly known as Broadcast Sports Technology (BST), 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 in particular has been most helpful and responsive in the past with respect to grant and extension 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. **It requires the use of non-standard frequencies for video production due to crowding by Part 74 and 21 eligibles which operate at the same events in the same geographic proximity as is necessary for operational testing by BST of its devices.** BST is continuing its product development and modification efforts and testing pursuant to this STA, and the requested frequencies are critical to its testing of adjacent channel interference rejection. As well, BST is deploying new equipment and systems in connection with golf events in addition to the automobile racing.

BST has held an experimental license, referenced above, for certain frequencies for testing and operation of RF camera equipment. Application for extension of that authorization is presently pending. Last year, and previously, your office granted

Experimental Licensing Branch
January 15, 1997
Page Two

special temporary authority to BST to operate type accepted video transmitters on certain discrete frequencies prior to, during, and shortly after certain automobile races during 1996 (See, File Nos. S-1812-EX-95 and S-2067-EX-95, S-2285-EX-96, and S-2511-EX-96; an additional frequency, 2496.0 MHz was also permitted by STA; see File No. S-1502-EX-94). BST requests similar special temporary authorization this year, beginning January 17-25, 1997 in Orlando, Florida, as per the attached sheet listing dates and locations by city, state and latitude and longitude (**Exhibit A**). It is recognized that little advance notice of this initial operation has been provided, and we apologize, but the scheduling of operations has made it impossible to request this STA before now.

The discrete frequencies are the same as in the two immediately prior STAs (2316, 2333, 2350, 2367, 2384 and 2496.0 MHz at all locations). The power level is the same as prior STAs (2.5 watts output). The video transmitters are TVT-50 units. The camera/transmitters will be installed in race vehicles. Each proposed operation is coordinated with the AFTRCC frequency coordinator. Evidence of coordination has been received in writing by facsimile, as per the attached exhibits (**Exhibit B**). It should be noted that copies of those coordinations were provided to the Microwave Branch, apparently at Gettysburg, by the AFTRCC coordinator directly. If this STA request should be processed at Gettysburg, please forward the same to that office. The emission type should be specified as **17M0F9W**; prior STAs referenced a 20 MHz bandwidth, but that is incorrect.

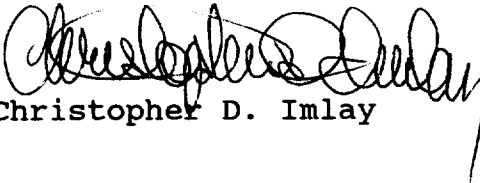
Inquiries or notifications during the STA period can be directed to this office, or to Peter Larsson at BST, who can be reached at (410) 672-3900 (telephone) or (410) 672-3906 (facsimile).

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 Form 155 are attached hereto as evidence of filing today.

Office of Engineering and Technology
January 15, 1997
Page Three

Should any question arise concerning this application, kindly notify the undersigned counsel. Your review of the instant request is greatly appreciated.

Yours very truly,

A handwritten signature in black ink, appearing to read "Christopher D. Imlay", written over the typed name.

Christopher D. Imlay

cc: Mr. John Porter
Mr. Peter Larsson
BST, Inc.

FEDERAL COMMUNICATIONS COMMISSION
FCC REMITTANCE ADVICE

Approved by OMB
3060-0589
Expires 2/28/97

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, 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	(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
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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
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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

Page 1 of 2 pages

DATE: January 17, 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
COMPANY

(202) 296 - 9100
PHONE

(202) 293 - 1319
FAX

Mr. Imlay:
Here is a copy of BST, Inc.'s STA for station KO2XDO, File
Number S-2774-EX-97. The original license will be mailed upon
receipt of the original application.

Doug Young
