

5-2292-EX-96
2285

1/17/96

ORIGINAL

BOOTH, FRERET & IMLAY, P.C.

—ATTORNEYS AT LAW—

CHRISTOPHER D. IMLAY
CARY S. TEPPER

January 15, 1996

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

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

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: Ms. Kimberly M. Baum

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

Gentlemen/Ladies:

This office represents 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, and in particular Mr. Frank Wright and Ms. Baum, have 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 experimental license, referenced above, for certain frequencies for testing and operation of RF camera equipment. Last year, your office granted 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 1995 (See, File Nos. S-1812-EX-95 and S-2067-EX-95, copies attached; 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 25-28, 1996 in Orlando, Florida, as per the attached sheet listing dates and locations by city, state and latitude and longitude. It is recognized that little advance notice of this initial operation has been provided, and we apologize, but the government furloughs have made it impossible to request this STA before now.

* on AFTRCC coord. only 1.5 (ent); as 2.5 is only slightly
more, 4 AFTRCC approved in past, grant

Office of Engineering and Technology
January 15, 1996
Page Two

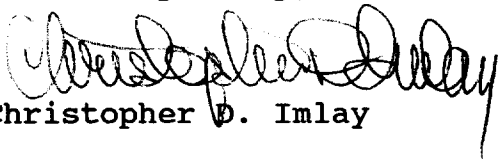
The discrete frequencies are the same as in the two immediately prior STAs, (2316, 2333, 2350, 2367 and 2384 MHz) with one exception: BST also requests use of 2496.0 MHz at all locations as well. The power level is the same as prior STAs (2.5 watts output). The video transmitters are TVT-50 units. The camera/transmitters would be installed in race vehicles. Each proposed operation is being coordinated with the AFTRCC frequency coordinator and evidence of coordination will be provided to you when received in writing by facsimile. The emission type should be specified as **17M0F9W**; prior STAs showed the emission designator as 20 MHz, 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.

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

Yours very truly,


Christopher D. Imlay

cc: Mr. John Porter
Mr. Peter Larsson
Broadcast Sports Technology

Rex Miller
AFTRACC
316-526-2093
December 4, 1995

Dear Mr. Miller:

Broadcast Sports Technology will apply to the FCC for an STA on 2316 to 2384 MHz. These extra frequencies are to aid BST in our use of in-car cameras in the coverage of automobile races.

Transmit frequencies: 2316,2333,2350,2367 and 2384 MHz
Power Output: 1.5 Watts
Emission type: 20 MOFXW
Contact: Peter Larsson
Phone: 410-672-3900
Fax: 410-672-3906

Alabama Talladega April 26-28 & July 26-28
N 33 deg. 34.2'
W 86 deg. 3.1'

Arizona Phoenix March 21-24
N 33 deg. 23.3'
W 112 deg. 18.5'

Tucson
N 36 deg. 32.2'
W 110 deg. 58.2'

California Long Beach April 11-14
N 33 deg. 16'
W 118 deg. 11'
Sears Point May 3-5
N 38 deg. 3.1'
W 122 deg. 29.0'
Laguna Seca September 5-8
N 36 deg. 35.3'
W 121 deg. 50.9'

Bakersfield
N 35 deg. 37.5'
W 119 deg 2.2'

Colorado Denver
N 36 deg 45.2'
W 104 deg. 58.6'

Florida Orlando January 25-28
N 28 deg. 31.2'
W 081 deg. 23.7'
Daytona Beach February 1-18 & July 4-6
N 29 deg. 10.9'
W 081 deg. 3.4'
Homestead February 29 - March 3 and Feb 5 to Feb 9
N 25 deg. 29.9'
W 080 deg. 33.2'

Miami Feb 28 - March 3
N 25 deg. 47.6'
W 080 deg. 17.4'

Georgia Atlanta March 8-10 & Nov 8-10
N 33 deg. 23.4'
W 084 deg. 19.7'

Indiana Indianapolis May 18-27 & Aug 1-3
N 39 deg. 48.0'
W 086 deg. 14.0'

Kentucky Louisville
N 38 deg. 14.7'
W 85 deg. 45.8'

Michigan Detroit June 6-9
N 42 deg. 21.0'
W 082 deg. 58.1'
Brooklyn May 24-27, June 21-23, July 25-28 & Aug. 16-18

North Carolina North Wilkesboro April 12-14 & September 27-29
N 36 deg. 8.0'
W 081 deg. 4.2'

Nevada Las Vegas September 12-15
N 36 deg. 10.2'
W 115 deg. 08.6'

New Hampshire Loudon August 15-18
N 43 deg. 17.1'
W 071 deg. 28.1'

New York Watkins Glenn August 9-11
N 24 deg. 20.5'
W 076 deg. 55.9'

Ohio Cleveland June 28-30
N 41 deg. 31.0'
W 081 deg. 41.0'
Lexington August 8-11
N 40 deg. 40.7'
W 082 deg. 35.0'

Oregon Portland June 20-23
N 45 deg. 35.3'
W 122 deg. 35.8'

Pennsylvania Nazareth April 25-28
N 40 deg. 43.7'
W 075 deg. 11.3'

South Carolina Darlington March 22-24 & August 30-Sept 1
N 34 deg. 17.5'
W 079 deg. 55.1'

Texas Houston January 19-21
N 29 deg. 45.3'
W 095 deg. 22.1'

Virginia Richmond March 1-3 & September 5-7

N 37 deg. 31.1'
W 077 deg. 25.5'
Bristol March 29-31 & August 22-24
N 36 deg. 30.7'
W 082 deg. 15.2'
Martinsville April 19-21 & September 20-22
N 36 deg. 37.9'
W 079 deg. 51.1'

Wisconsin

Milwaukee May 30-31 & June 1-2
N 43 deg 2.1'
W 088 deg. 1.5'
Elkhart Lake August 15-18
N 43 deg 49.4'
W 088 deg 1.5'

33 20th St. NW, Suite 204, Washington, DC 20036
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-1812-EX-95
(File number)

NAME BROADCAST SPORTS TECHNOLOGY

Vicinity of various locations as stated in request of 12-22-94
(Location of station)

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

Frequency MHz	Authorized Power (watts)	Emission Designator
2316	2.5 (output)	20M0F9W
2333	2.5 (output)	20M0F9W
2350	2.5 (output)	20M0F9W
2367	2.5 (output)	20M0F9W
2384	2.5 (output)	20M0F9W

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 February 1, 1995 and
will expire 3:00 A.M. EST. August 1, 1995

FEDERAL
COMMUNICATIONS
COMMISSION

**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-2067-EX-95
(File number)

NAME Broadcast Sports Technology

Various motor sporting events as stated in request of 08/01/95
(Location of station)

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

Frequency (MHz)	Authorized Power (watts)	Emission Designator
2316	2.5 (output)	20M0F9W
2333	2.5 (output)	20M0F9W
2350	2.5 (output)	20M0F9W
2367	2.5 (output)	20M0F9W
2384	2.5 (output)	20M0F9W

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 August 1, 1995 and
will expire 3:00 A.M. EST. November 13, 1995



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

EXPERIMENTAL
(Nature of Service)

K O 2 X D O
(Call Sign)

XD FX
(Class of station)

S-2285-EX-96
(File number)

NAME Broadcast Sports Technology

Various motor sporting events as stated in request dated 01/15/96
(Location of station)

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

Frequency (MHz)	Authorized Power	Emission Designator
2315	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 25, 1996 and
will expire 3:00 A.M. EST. July 25, 1996



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

Broadcast Sports Technology

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

(20A) ADDRESS LINE NO. 2

Ste. A

(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:

Month

Year

☐ Visa

AUTHORIZED SIGNATURE

DATE

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

See public burden estimate on reverse.

FCC FORM 159
April 1994