

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

EXPERIMENTAL
(Nature of Service)

KO2XDO
(Call Sign)

XD MO
(Class of station)

S-2512-EX-96
(File number)

NAME BROADCAST SPORTS TECHNOLOGY
off-shore Savannah, Georgia
(Location of station)

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

Frequency (MHz)	Authorized Power (watts)	Emission Designator
2401	7.3 (ERP)	17M0F9W
2418	7.3 (ERP)	17M0F9W

Purpose of Operation: Video production at the Olympics.

Special Condition: Operation is on a non-interference basis.

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 July 12, 1996 and
will expire 3:00 A.M. EST. August 7, 1996



BOOTH, FRERET & IMLAY, P.C.

ATTORNEYS AT LAW

CHRISTOPHER D. IMLAY
CARY S. TEPPER

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

June 17, 1995

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 2.401 and 2.418 GHz for Video
Production; Broadcast Sports Technology;
July/August, 1996, Savannah and Atlanta, GA.**

Gentlemen:

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. BST respectfully requests issuance of special temporary authority to use two channels in the 2 GHz band for video production at the Olympics.

BST currently holds certain experimental authorizations (See, Call Sign KO2XDO, File Nos. 3541-EX-R-94 and S-2285-EX-96) regularly utilized in development of new hardware and procedures for video production. BST will provide certain video production services at the Olympics this year, both offshore at the sailing events at Savannah, Georgia, and, in Atlanta, Georgia, inside the main stadium at the swimming and gymnastics events. The use of the frequencies 2401 and 2418 MHz is necessary for these purposes. All necessary coordination with amateur radio and any other licensees on these frequencies has been or will be completed prior to initiation of operation. BST has retained a professional broadcast engineer to assist with coordination at Savannah on site.

Dates: July 12, 1996 through August 6, 1996.

Locations: Savannah, Georgia (Lat. 31° 54' 17", Long. 80° 58' 51") and at Olympics Main Stadium at Atlanta, Georgia.

Frequencies: 2401 and 2418 MHz.

2392-2450
6: Paul
ag: H97

Experimental Licensing Branch
June 17, 1996
Page Two

Handwritten notes:
 $4.77 \text{ dB} + 6 \text{ dBi} = 10.77 - 2.14 = 8.63 \Rightarrow$
 $\times 4 = 12 \text{ W ERP}$
 $\times 15.25 \text{ ERP} = 9.68 \times 9.7 \text{ W ERP}$
 $\times 7.3 \text{ W ERP}$

Emission: 17M0F9W

Power: 3 watts (output) at Savannah
1 watt (output) at Atlanta

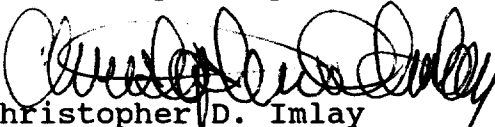
Antennas: At Savannah: from helicopters at 1,000 foot elevation, 6 dBi gain vertical omnidirectional
At Atlanta: inside buildings, 12 dBi gain directional helix antenna.

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

The transmitters will be type accepted for Part 21 and 74 use. All operation will cease on these frequencies upon reports of interference. The contact person is John Porter, 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. Should any question arise concerning this request, kindly notify the undersigned counsel. Your review of this request is greatly appreciated.

Yours very truly,


Christopher D. Imlay

cc: John Porter
Broadcast Sports Technology

S-2512-EX 96

ORIGINAL
RECEIVED

BOOTH, FRERET & IMLAY, P.C.

JUL - 1 1996

ATTORNEYS AT LAW

CHRISTOPHER D. IMLAY
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JULIAN P. FRERET (RETIRED)

July 1, 1996

Federal Communications Commission
Office of Secretary

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

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

Via Hand Delivery

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 2.401 and 2.418 GHz for Video
Production; Broadcast Sports Technology;
July\August, 1996, Savannah and Atlanta, GA.**

Gentlemen:

Further to the request of our client, Broadcast Sports Technology (BST), for special temporary authorization to provide video production facilities for the Summer Olympic Yachting event at Savannah, GA between July 12 and August 6, 1996, using the frequencies 2401 and 2418 MHz, this will report that the undersigned contacted Mr. John B. Johnston of the Private Wireless Division, whose office handles amateur radio regulatory matters. Upon explanation of the circumstances of this STA request, and based on the understanding that BST has coordinated this operation with local amateur radio frequency coordinators of the SouthEastern Repeater Association (SERA), Mr. Johnston indicated that the Private Wireless Division of WTB expected no interference to result to any amateur operator in the band.

As General Counsel for the American Radio Relay League, Inc., this office will insure that any operation on these frequencies is properly coordinated with amateur frequency coordinators, and that all STA operation is stopped in the event of any interference to amateur operation.

Federal Communications Commission
July 1, 1996
Page Two

It is believed that there is no other action necessary to permit grant of this STA request. Should any question arise concerning this request, kindly notify the undersigned.

Yours very truly,


Christopher D. Imlay

cc: John Porter, BST

FCC REMITTANCE ADVICE

3060-0589
Expires 2/28/97PAGE 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

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

1260 Blair Drive

(20A) ADDRESS LINE NO. 2

Suite 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:

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

AUTHORIZED SIGNATURE

DATE