

**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-2304-EX-96
(File number)

NAME Broadcast Sports Technology
Daytona 500, Daytona Speedway, Daytona, FL
(Location of station)

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

Frequency (MHz)	Authorized Power	Emission 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 is on a non-interference basis to licensed users of these frequencies.

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 17, 1996 and
will expire 3:00 A.M. EST. February 19, 1996



S-2304-EX-96

ORIGINAL

1/30/96

BOOTH, FRERET & IMLAY, P.C.

ATTORNEYS AT LAW

CHRISTOPHER D. IMLAY
CARY S. TEPPER

January 26, 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

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: Ms. Kimberly Baum

Re: Request for Special Temporary Authority
for Use of Certain 2 GHz Frequencies; Broadcast
Sports Technology; Experimental License KO2XDO/
KS2XAZ; File No. S-1985-EX-95; Period February
17/18, 1996, Daytona, Florida

Gentlemen/Ladies:

Last year, your office was kind enough to grant Special Temporary Authority to our client, Broadcast Sports Technology, a manufacturer and provider of video transmission equipment for remote video and film production at sporting events, to utilize ten in-car cameras at last year's Daytona 400 automobile race. A copy of that STA is attached.

We respectfully request issuance of a similar STA for use of 2 GHz frequencies at the Daytona 500 automobile race this year, during the period February 17 and 18, 1996 only, and between the hours of 10:00 AM and 5:00 PM. Specifically, we would request use of only one of the following frequencies for uplink to a helicopter, using 1.5 watts on the ground, with the antenna aimed upward in a vertical direction, using 17M0F9W emission: either 2273, 2290, or 2299 MHz. In addition, we request use of five channels in the 2 GHz range, preferably five of the following six 1948, 1965, 1982, 2557, 2574 and 2591 MHz. Alternatively, use of up to five channels is requested between 2513 and 2600 MHz. These five frequencies will be used for up to five transmitters, downlinked from the helicopter at 3,000 feet, using less than 4 watts of power, using 17M0F9W emission, with a downward-looking, circularly polarized horn antenna mounted vertically. the antenna has 6 dB of gain, with a 60-degree bandwidth. The transmitters will be type-accepted.

2-3
D-4

4 W + 6 dB = 16 W ERP

4 hour period on Sunday
all 6

Experimental Licensing Branch
January 26, 1996
Page Two

The location of the Daytona Speedway, Daytona, Florida is 29 degrees, 10.9 minutes North Latitude, and 81 degrees, 3.4 minutes West Longitude.

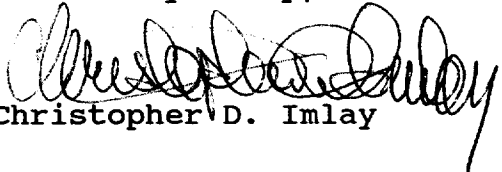
Relative to the use of 2500-2594 MHz frequencies, Broadcast Sports Technology (BST) retained the services of Mr. Howard Fine to handle coordination with other licensees in that band. Mr. Fine's report is attached. It concludes that advance coordination has been completed with both ITFS licensees, provided that our client notify the two licensees when in the area, and leave telephone and contact names. Of course, BST will comply with the request.

BST presently holds an experimental license for certain 2.3-2.4 GHz frequencies for testing and operation of RF camera equipment. Frequencies that would normally be requested by BST in the Part 74 bands are unavailable, as they are to be used by Part 74 licensees on site. Therefore, the frequencies above are identified as absolutely necessary for the proposed operation.

All operation on these frequencies will cease upon any report of interference. The contact person is Peter Larsson, who can be reached at (410) 672-3900 or by facsimile at (410) 672-3906. Notices from the Commission may also be made 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, as usual.

Yours very truly,


Christopher D. Imlay

cc: Peter Larsson

Booth, Freret & Inlay, Suite 204, 1233 20th Street NW, Washington, DC 20036

United States of America
FEDERAL COMMUNICATIONS COMMISSION
EXPERIMENTAL
SPECIAL TEMPORARY AUTHORIZATION

EXPERIMENTAL
(Nature of Service)

K 8 2 X A Z
(Call Sign)

XD MO
(Class of station)

S-1985-EK-95
(File number)

NAME Broadcast Sports Technology
Daytona Speedway in Daytona, FL
(Location of station)

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

Frequency (MHz)	Authorized Power (watts)	Emission Designator
2557	2.5 (output)	17M0F9W
2574	2.5 (output)	17M0F9W
2591	2.5 (output)	17M0F9W
2435	2.5 (output)	17M0F9W

Special Conditions:

- (1) If any interference occurs to any licensed users (i.e. any ITFS or MDS licensees), the licensee of this authorization must cease operation immediately.

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 June 28, 1995 and
will expire 3:00 A.M. EST. July 3, 1995



HOWARD FINE
CONSULTANT TO BROADCAST SPORT TECHNOLOGY

TO: Chris Inlay

RE: 2500-2594 MHZ for BST

I met with both licensees for the ITFS spectrum in Volusia County which is the county where Daytona Motor Speedway is located. I ran a frequency check in the FCC computers well as Television Factbook for all licensees of the ITFS spectrum from 2500-2594 MHZ with a 5 radius of the Daytona Speedway. All licenses are shown on an attached paper. They are lic to two separate licensees.

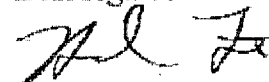
#1 Daytona Beach Community College, I met with Bill Schawrtz who is the Director of Engineering for WCEU-TV 15 (PBS) as well as the ITFS system, he will permit Broadcast Technology to utilize all of his ITFS channels for the telecast of the Daytona 500 on the w. He will shutdown their transmitters. He will also permit BST to test the week prior between 1200-1500 ET.

#2 Volusia County School Board, I met with David Bentle, ITV Specialist for their ITFS. will permit BST to use the channels as well for the needed time period.

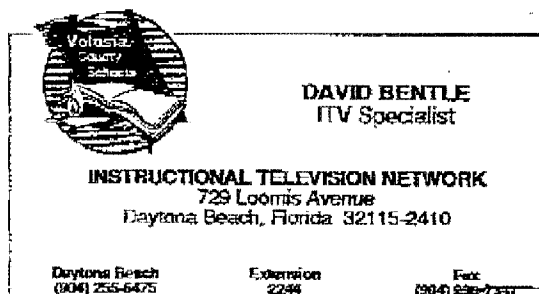
Both licensees ask that BST notify them when they are in the area and leave telephone number and contact names.

Please call me if you have any questions,

Best regards



Howard Fine
Consultant to BST



947-5812



Bill Schwartz
Director of Engineering

(904) 254-4456
Fax: (904) 254-4427

P.O. Box 2811, 1200 W. International Speedway Blvd.
Daytona Beach, Florida 32120-2811

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