

0128-EX-ST-1999
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ORIGINAL

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April 8, 1999

Via Courier Service

FEDERAL COMMUNICATIONS COMMISSION
Experimental Radio Service
P.O. Box 358320
Pittsburgh, PA 15251-5320

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 2.5 GHz frequencies;
BST, Inc.; May 28, 29 and 30, 1999, at
Indianapolis, Indiana; Indianapolis 500.**

Gentlemen:

This office represents BST, Inc., 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 stock car race in **Indianapolis, Indiana at the Indianapolis 500 speedway**. 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 uplinked video from the race cars to the helicopter. 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 to be used by Part 74

licensees on site. Therefore, in addition to the frequencies for which BST has existing authority to use at 2.3 GHz, we hereby request, for the period **May 28, 29 and 30, 1999**, STA use of the following frequencies:

Frequency (MHz)	Power (watts)	Emission Designator
2557	4 (output)	17M0F9W
2574	4 (output)	17M0F9W
2591	4 (output)	17M0F9W

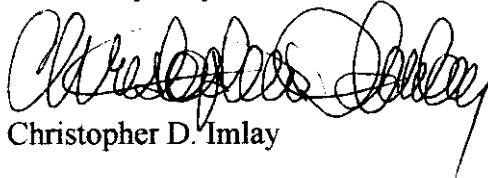
All operation will be on a non-interference basis to licensed users of these frequencies.

BST was granted special temporary authority to utilize these frequencies at various times in other locations (reference call sign KO2XDO, various file numbers) premised on prior coordination with the ITFS licensees in the area. **BST is now in the process of coordinating use of the requested frequencies with all ITFS licensees in the affected area, and will obtain their concurrence, as was done in previous instances, so that no interference will occur.**

The location of the Indianapolis 500 Speedway is N 39° 48.00' and W 086° 14.00'. All operation will cease on these frequencies upon reports 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.** Should any question arise concerning this request, kindly notify the undersigned counsel.

Yours very truly,



Christopher D. Imlay

cc: Peter Larsson
Broadcast Sports Technology