

July 17, 2001

VIA COURIER



Federal Communications Commission
Equipment Radio Services
P.O. Box 358320
Pittsburgh, PA 15251-5320

Re: Request Special Temporary Authorization in File No. 0145-EX-PL-2001

Ladies and Gentlemen:

The Boeing Company ("Boeing") hereby files a request for Special Temporary Authorization ("STA") in File No. 0145-EX-PL-2001 in order to enable Boeing to conduct field tests and operational evaluations of its 873-element phased-array antenna. If authorized, field tests could begin as early as the week of July 23, 2001. Boeing requests the STA for a period of three months to permit field tests while its underlying application is pending before Commission staff.

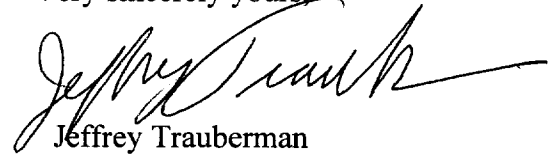
Issuance of a STA is warranted in order to permit Boeing to verify the performance capabilities of the antenna and acquire field test data, which will be used to complete spectrum coordination with U.S. government spectrum users and other service operators. The technical specifications of the 873-element antenna are contained in the underlying application, File No. 0145-EX-PL-2001, which was filed electronically on June 16, 2001 (Confirmation Number EL11235). The technical characteristics of the 873-element antenna are similar to those of Boeing's 256-element antenna system, which is currently licensed by the Commission on an experimental basis (Call Sign WB2XBF). Furthermore, the 873-element antenna is expected to provide additional signal discrimination, which will enhance its interference characteristics as compared to Boeing's 256-element phased-array.

The undersigned hereby certifies that no party to this request for STA is subject to a denial of federal benefits pursuant to Section 5301 of the Anti-Drug Abuse Act of 1988, 21 U.S.C. § 862.

July 17, 2001
Page 2

Enclosed is a FCC Remittance Advice Form 159 and a check to the FCC
in the amount of \$50.00 to cover the requisite STA filing fee.

Very sincerely yours,

A handwritten signature in black ink, appearing to read "Jeffrey Trauberman", with a long horizontal flourish extending to the right.

Jeffrey Trauberman
Director, Information and
Communications Systems
The Boeing Company

Attachments:
Form 159
Check for \$50