



U.S. Department
of Transportation
**Federal Aviation
Administration**

MAR 16 2006

800 Independence Ave., SW.
Washington, DC 20591

Mr. Andy Leimer
Federal Communications Commission
7435 Oakland Mills Road
Columbia, MD 21046

Dear Mr. Leimer:

We have reviewed the Rockwell Collins letter dated March 6, 2006, regarding request for certification of the very high frequency (VHF) – 4100E Extended Range Communications Transceiver, ID - No. AJL8222170 that operates in the VHF band 118-137 MHz. The request is to increase capabilities, not operations, within the United States National Airspace System (NAS). Additional capabilities include 8.33 MHz channel spacing and capability to transmit within the 138-152 MHz band, exclusively on 138-144 MHz, 148-149 MHz, and 150.5-150.8 MHz. Having completed the subject review, we have no objection to the Federal Communications Commission (FCC) granting certification for the capability increase, providing operations in 8.33 MHz mode will not be exercised within the NAS.

Rockwell Collins, as all applicants for FCC Certification, should be aware that it is likely that aircraft will employ Global Navigation Satellite System (GNSS) receivers along with VHF transceivers. It is also likely that without proper filtering of the VHF transceiver harmonic emissions there is a potential for interference to the GNSS receiver.

If you require any additional information, please contact Ms. Annette Allender, Spectrum Planning and International Office, at (202) 267-3893.

Sincerely,

Oscar Alvarez
Acting Director
ATC Spectrum Engineering Services

cc:

Ms. Linda C. Sadler
Director Federal Affairs
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