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**Rockwell
Collins**

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Pages:	4	Date:	February 17, 1999

Carl:

Per our phone conversation on February 18, 1999, attached please find a legible copy of AFTRCC's revised recommendation for STA WA9XDY (file #: 0039-EX-ST-1999). This recommendation concurs with our FCC STA request for the use of 123.425 MHz for an aeronautical data link protocol per our cover letter that was submitted with the original STA application (a copy is enclosed). However, please note that on this application, 123.245 MHz was erroneously requested for the mobile frequency, instead of 123.425 MHz.

At your earliest convenience, please reissue STA WA9XDY (file #: 0039-EX-ST-1999) to reflect our correct request, use of 123.425 MHz for both fixed and mobile units.

Please feel free to call me at the above number with any questions.

Thank you,

Gi-In An

**AEROSPACE & FLIGHT TEST RADIO COORDINATING COUNCIL**

POST OFFICE BOX 200547, CARTERSVILLE, GA 30120-9010

TELEPHONE (770) 494-2893

Rockwell Collins Inc.
Attn: Brett Wilson
1300 Wilson Blvd., Ste. 200
Arlington, VA 22209-2307

17 February 1999

AFTRCC concurs with your request for a Special Temporary Authorization (STA) for VHF coverage testing during the period 1 March thru 31 August 1999. the following details are applicable:

Type of operation:	Aeronautical Mobile and Fixed Ground
Location:	Melbourne Florida and 150 mile radius
Coordinates:	280510N0803829W
Period of Auth:	1 March - 31 August 1999
Frequency(ies):	M123.425
Emission(s):	14K0G1DE / 13K0A2D
Power:	30 watts (both Fixed and Aeronautical)
Restriction(s):	Aircraft is restricted to radiating at 10,000 ft. or below for data testing.

Testing will be accomplished in conjunction with current license(s) KMC6 and N206PD.

This recommendation is advisory only and is not binding on you or the FCC. It does not constitute a judgement that the frequency(ies) specified is(are) best suited to your purpose or that the assignment is exclusive to your company. In utilizing this recommendation, the company agrees to release and hold harmless AFTRCC, its officers, members, agents and representatives from and against all claims, losses, damages, or expenses which may arise as a result of your companies use of the frequency(ies) specified.

This frequency recommendation letter will be valid only for the period specified above. If an application for STA has not been filed with the Federal Communications Commission within that period, it will be necessary to request a new frequency.

The original of this letter should be attached to your application for STA when filed with the FCC.

AFTRCC Frequency Advisory Committee

By


Wayne L. Morris

Washington Office
1300 Wilson Boulevard, Suite 200
Arlington, VA 22209-2307

**Rockwell
Collins**

COVER LETTER

January 29, 1999

Federal Communications Commission
Experimental Radio Services
Electronic Filing

Madam/Sir:

Pursuant to Sections 5.61 of the Commission's Rules and Regulations, Rockwell Collins, Inc. (Rockwell Collins) hereby requests a Special Temporary Authorization to continue flight testing operations for the testing and development of a new VHF data link protocol.

1. The applicant is Rockwell Collins, Inc., 1300 Wilson Boulevard, Suite 200, Arlington, VA 22209.
2. This STA is needed to allow continued testing and development of new aeronautical data links pursuant to six month STA frequency recommendations granted by AFTRCC. This application seeks authorization for continued operations identical to those under our current STA (file number: 3545-EX-ST-1998).
3. Operations under the requested STA will be flight testing operations to continue performance testing and development of the capabilities and functionality of a new VHF data link protocol.
4. Operations under the requested STA will be sporadic and noncontinuous, twenty-four hours per day, for the period between March 1, 1999 and August 31, 1999.
5. Operations under the requested STA will be fixed and mobile. The fixed unit will be an aeronautical and fixed radio station, call sign KMC6. The mobile unit will be a flight test aircraft, tail number N206PD.
6. Operations under the requested STA will be conducted in the vicinity of Melbourne, Florida, within a 150 mi radius of the new base station. The

new base station will be located at the Rockwell Collins facilities at 1100 W. Hibiscus Boulevard, Melbourne, Florida (28° 05' 10" N, 80° 38' 29" W). Pursuant to the attached Frequency Recommendation, the mobile unit will transmit only while flying at altitudes of 10,000 feet or below.

7. The equipment to be used under this STA includes two type accepted Collins VHF-900D transceivers modified to include the new data link transmission protocol.
8. Rockwell Collins has received temporary recommendation from AFTRCC to use a flight test frequency, 123.425 MHz in the Melbourne area for the period March 1, 1999, until August 31, 1999.
9. The maximum transmitter power is 30 watts from the base and 30 watts from the mobile.
10. Operations under the requested STA will use emission types 13K0A2D and 14K0G1DE.
11. The base station antenna, a vertically polarized ground plane type antenna, will be installed on the roof of an existing building at the Rockwell Collins facilities described above. The mobile antenna will be typical aircraft VHF antenna.

Please call me at (703) 516-8238 with any questions.

Respectfully submitted,



Brett Wilson
Manager, Governmental & Regulatory Affairs