



Bombardier Services Corporation
Defense Systems Division

80 N.E. 20th Street
Lawton, OK 73507
Phone (405) 248-4443 Facsimile (405) 248-4446

FCC Form 442 Attachments

Item 10

- A) This frequency is used for transmitting telemetry and command data from an unmanned air vehicle to the backup ground station. It is generally intended for short-range communications although capable of a 50km or more communications distance.

The system is comprised of dedicated ground and airborne transceiver's interfaced with an Air Data Terminal, or Airborne computer, and a ground data terminal, that relays position and control information.

- B) The objectives are to maintain a continuous data link to the air vehicle at all times and hence continuous control of the vehicle.
- C) The technology used is off-the shelf equipment. The advancement sought are in quality, continuity and consistency of the telemetry.

EXHIBIT (1)

**TELEMETRY FREQUENCY RECOMMENDATION
AEROSPACE AND FLIGHT TEST RADIO COORDINATING COUNCIL
PO BOX 2307
SEAL BEACH, CA 90740-1307**

DATE: 24 OCTOBER 1997
IDENTITY CONTROL NO: 00D7-97

TO: Leigh E. Stevens
Bombardier Services Corporation
Defense Systems Division
80 N.E. 20th Street
Lawton, OK 73507

AFTRCC recommends a New Experimental 2 Year License to be used 2-6 hours per day, 5 days a week, for transmission of video and data from an unmanned air vehicle, on a non-interference basis, detailed as follows:

<u>TRANSMITTER MAKE & MODEL</u>	<u>STABILITY</u>	<u>WATT</u>	<u>FREQUENCY(IES)</u>	<u>EMISSION</u>	<u>STATION CLASS</u>
ELTA	0.003%	10W	1490 MHz	30M0FXW	MOEB

62.5 MIRAD (100 KMRAD):

AREA & DATES OF OPERATION as follows:

<u>AREA</u>	<u>LATITUDE</u>	<u>LONGITUDE</u>	<u>START DATE YR-MO-DAY</u>	<u>FINISH DATE YR-MO-DAY</u>
Lawton, OK	34-36-41N	098-21-53W	1997-11-03	1999-11-03

This recommendation has been coordinated with the following and concurrence copy is attached:

Area Frequency Management Office, Continental US Fax: 210-221-2844

We request that the FCC add the following to your license:

"Use of these frequencies is subject to prior coordination with AFTRCC Frequency Advisory Committee, PO Box 2307, Seal Beach, CA, Telephone (562) 797-2710."

This recommendation is advisory only and not binding on the applicant or the FCC. This does not constitute a judgment that a frequency is best suited to the applicant's purpose nor that the assignment is exclusive to the applicant. In utilizing this recommendation, the applicant agrees to release and hold harmless AFTRCC, its officers, directors, members, agents and representatives in any claims, losses or expenses which may arise as a result of the applicant's use of these frequencies.

This recommendation will be valid for 90 days from the date of this letter. An updated letter should be requested if your license application has not been filed with the FCC within the 90 day period. Please attach the original yellow letter to your license application for filing with FCC.

Rex D. Miller
for Rex D. Miller, Chair
AFTRCC Frequency Advisory Committee

Exhibit 2