

FEDERAL COMMUNICATIONS COMMISSION

WASHINGTON, D. C. 20554

Approved by GAO
B-180227 (R0236)SUPPLEMENTAL INFORMATION FOR APPLICATIONS IN THE EXPERIMENTAL RADIO SERVICE
INVOLVING GOVERNMENT CONTRACTS

INSTRUCTIONS: 1. File in TRIPLICATE with the Federal Communications Commission, Washington, D. C. 20554.
2. If the experimental project described herein carries a security classification, this document must be classified accordingly. The Commission will handle each such case in accordance with applicable security regulations.

1. NAME AND ADDRESS OF APPLICANT (MUST CORRESPOND WITH APPLICATION)

Radiation Systems, Inc. 1501 Moran Road
Technical Products Division Sterling, VA 20166

2. CONTRACT
NUMBER

DTFA01-81-C-20118

3. AGENCY PLACING
CONTRACT

Federal Aviation Administration

4. NAME OF PRIME CONTRACTOR, IF OTHER THAN APPLICANT

5. NAME, ADDRESS AND TELEPHONE NUMBER OF ENGINEER RESPONSIBLE FOR THIS PROJECT

Gil Ramos, Range Manager
(703) 450-5680

6. BRIEF DESCRIPTION OF PROJECT AND PURPOSE OF OPERATION

Design, Development, Fabricate and Test ATCRBS Open Array Antennas (Five Foot).

7. LOCATION OF PROPOSED STATION (IF MOBILE, GIVE AREA OF OPERATION; IF FIXED, COMPLETE ITEM 8)

Arcola, Virginia

8. GEOGRAPHIC COORDINATES

38° 59' 40"

N. LAT.

77° 31' 0"

W. LONG.

9. NUMBER OF TRANSMITTING
EQUIPMENTS TO BE
OPERATED

FIXED 1

AIRCRAFT

LAND MOBILE

OTHER (specify)

10. TECHNICAL DETAILS (Use a separate column for each frequency or band of frequencies)

	1	2	3	4	5
FREQUENCY	1.030 GHz	1.090 GHz			
POWER ERP*	2 watts	2 watts			
TYPE OF EMISSION**	AO/A3	AO/A3			
BANDWIDTH OF EMISSION (KC)**	20 khz	20 khz			
PULSE DURATION	600 ns	600 ns			
PULSE REPETITION RATE	10 khz	10 khz			

* Effective radiated power in watts, kilowatts or megawatts

**If a complex emission (A9, F9, P9 etc) is to be used, describe in detail below.
Refer to Sections 2.202 and 5.103 of the Commission's Rules.

SIGNATURE OF PERSON COMPLETING THIS FORM

J. H. Arnold, Jr.

President

TITLE