

WALLOPS FREQUENCY UTILIZATION MANAGEMENT WORKING GROUPFREQUENCY UTILIZATION REQUEST

IT IS REQUESTED THAT THE INDICATED FREQUENCY BE REVIEWED FOR USE AT THE GSFC/WFF.

1. FREQUENCY: **902-928 MHz**
2. ORGANIZATION: **Aerosonde North America**
3. PROJECT: **WUAVF**
4. SPECIFY ALL COORDINATION REQUIREMENTS FOR AREAS OR ORGANIZATIONS OUTSIDE WALLOPS FLIGHT FACILITY: **None**
5. SPECIFY ALL COORDINATION REQUIREMENTS FOR AREAS OR ORGANIZATIONS WITHIN WALLOPS FLIGHT FACILITY (NASA OR TENANTS): **Routine**
6. STATION CLASS: **NAV**
7. BANDWIDTH/EMISSION: **350K00F1D**
8. IF A FREQUENCY BAND IS REQUESTED, DOES SYSTEM OPERATE ON DISCRETE FREQUENCIES IN THE BAND, SPREAD SPECTRUM, FREQUENCY HOPPING, OR HOW? **Frequency Hopping Spread Spectrum.**
9. ORGANIZATION/PROJECT CONTACT: (b) (6)
10. CONTACT PHONE NUMBER: **(757) 854-4620/4618**  
(b) (6)
11. DESCRIPTION OF HOW FREQUENCY WILL BE USED, METHOD OF OPERATION, ETC.: **Frequencies in the specified band will be used for transmitting from a ground station to a UAV(s) for uplinking commands during tests/operations.**
12. PERIOD OF USAGE, (INCLUDE OVERALL TIME FRAME, DAYS/WEEK, HOURS/DAY OF PROJECTED USAGE OR OTHER NARRATIVE DESCRIPTION): **Starting NET May 24, 2004. Will be used indefinitely and occasionally as scheduled. Will start with flights lasting about 5 hours and eventually as long as 30 hours/flight, 3 flights per week, 400-500 hours per year.**

File No. 646  
April 1993

## 13. TRANSMITTER DATA

- A. NOMENCLATURE: Microhard Systems Inc. Model MHX-910
- B. LOCATION:  
 Bldg. N-159 (Lab or just outside the bldg.) (tests)  
 near Main Base runways (operations)  
 ACC (E-106A, on handrails) (operations)  
 Bldg. Z-40 (Rooftop) (operations)
- C. TRANSMITTER PEAK POWER OUTPUT: 1 Watt
- D. TRANSMITTER AVERAGE POWER OUTPUT: 1 Watt
- E. PULSE WIDTH: NA
- F. MAXIMUM DUTY CYCLE: NA
- G. PULSE REPETITION FREQUENCY: NA
- H. STABILITY: NAV
- I. ANTENNA TYPE: small omni, or yagi
- J. ANTENNA HEIGHT ABOVE GROUND:  
 ~6 Ft. (in or near Bldg. N-159)  
 ~6 Ft. (near Main Base runways)  
 ~45 Ft. (ACC)  
 ~15 Ft. (Bldg. Z-40 rooftop)
- K. ANTENNA POLARIZATION: linear
- L. ANTENNA GAIN: 6.0 dBi - small omni  
 11.0 dBi - yagi
- M. ANTENNA, FIXED OR ROTATABLE: Fixed - omnis  
 Steerable - Yagi
- N. ANTENNA, BEAM WIDTH - AZ: 360° - omni  
 60° - yagi
- O. ANTENNA, BEAM WIDTH - EL: 180° - omni  
 50° - yagi
- P. FIXED ANTENNA DIRECTION OF RADIATION: NAP - omni  
 Seaward - yagi
- Q. TRANSMISSION SYSTEM ATTENUATION LOSSES: ~5 dB
- R. ANTENNA LATITUDE AND LONGITUDE:  
 ~37° 56' 00"N; 75° 28' 21"W (in or near N-159)  
 ~37° 56' 27"N; 75° 27' 44"W (center of triangle between Main  
 Base runways or in radius approx. 1 mile from this location)  
 ~37° 56' 13"N; 75° 28' 12"W (ACC)  
 ~37° 49' 57"N; 75° 29' 19"W (Bldg. Z-40)

## 14. RECEIVER DATA NAV

A. NOMENCLATURE:

B. LOCATION:

14. RECEIVER DATA NAV

- A. NOMENCLATURE:
- B. LOCATION:
- C. STABILITY:
- D. SENSITIVITY:
- E. ANTENNA TYPE:
- F. ANTENNA POLARIZATION:
- G. ANTENNA GAIN:
- H. ANTENNA, FIXED OR ROTATABLE:
- I. ANTENNA, BEAM WIDTH - AZ:
- J. ANTENNA, BEAM WIDTH - EL:
- K. FIXED ANTENNA DIRECTION OF PATTERN:
- L. ANTENNA LATITUDE AND LONGITUDE:

15. HAS FREQUENCY ALREADY BEEN ASSIGNED TO ORGANIZATION BY NTIA OR FCC FOR AREA IN WHICH IT WILL BE USED? None needed.

16. MISCELLANEOUS COMMENTS:

Requester is aware of high-power radars operating on 902-928 MHz at WFF.

(b) (6)  
[Redacted Signature]

SIGNATURE

6/2/04  
DATE

NASA/WFF/Code 569  
AFFILIATION

(b) (6)  
[Redacted Name]

NASA GSFC/WFF RANGE  
SUPPORT MANAGER/CONTACT

5-14-04  
DATE

(b) (6)  
[Redacted Name]

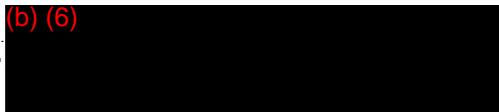
Aerosonde NA

(b) (6)  
[Redacted]

5/28/04  
DATE

WALLOPS FREQUENCY UTILIZATION MANAGEMENT WORKING GROUPFREQUENCY UTILIZATION REQUEST

IT IS REQUESTED THAT THE INDICATED FREQUENCY BE REVIEWED FOR USE AT THE GSFC/WFF.

1. FREQUENCY: 902-928 MHz
2. ORGANIZATION: **Aerosonde North America**
3. PROJECT: **WUAVF**
4. SPECIFY ALL COORDINATION REQUIREMENTS FOR AREAS OR ORGANIZATIONS OUTSIDE WALLOPS FLIGHT FACILITY: **None**
5. SPECIFY ALL COORDINATION REQUIREMENTS FOR AREAS OR ORGANIZATIONS WITHIN WALLOPS FLIGHT FACILITY (NASA OR TENANTS): **Routine**
6. STATION CLASS: **NAV**
7. BANDWIDTH/EMISSION: **350K00F1D**
8. IF A FREQUENCY BAND IS REQUESTED, DOES SYSTEM OPERATE ON DISCRETE FREQUENCIES IN THE BAND, SPREAD SPECTRUM, FREQUENCY HOPPING, OR HOW? **Frequency Hoping Spread Spectrum.**
9. ORGANIZATION/PROJECT CONTACT: (b) (6) 
10. CONTACT PHONE NUMBER: (757) 854-4620/4618  
WFF ext. 1435  
WFF ext. 1665
11. DESCRIPTION OF HOW FREQUENCY WILL BE USED, METHOD OF OPERATION, ETC.: **Frequencies in the specified band will be used for transmitting from a UAV(s) to a ground station for downlinking data during test/operations.**
12. PERIOD OF USAGE, (INCLUDE OVERALL TIME FRAME, DAYS/WEEK, HOURS/DAY OF PROJECTED USAGE OR OTHER NARRATIVE DESCRIPTION): **Starting NET May 24, 2004. Will be used indefinitely and occasionally as scheduled. Will start with flights lasting about 5 hours and eventually as long as 30 hours/flight, 3 flights per week, 400-500 hours per year.**

File No. 647  
April 1993

## 13. TRANSMITTER DATA

- A. NOMENCLATURE: Microhard Systems Inc. Model MHX-910
- B. LOCATION:
  - Bldg. N-159 (Lab or just outside bldg.) (tests)
  - Main Base runways/airspace (operations)
  - UAV runway on Wallops Island south end/airspace (operations)
- C. TRANSMITTER PEAK POWER OUTPUT: 1 Watt
- D. TRANSMITTER AVERAGE POWER OUTPUT: 1 Watt
- E. PULSE WIDTH: NA
- F. MAXIMUM DUTY CYCLE: NA
- G. PULSE REPETITION FREQUENCY: NA
- H. STABILITY: NAV
- I. ANTENNA TYPE: omni
- J. ANTENNA HEIGHT ABOVE GROUND:
  - ~2-6 Ft. (in or near N-159)
  - ~2 to 20,000 (Main Base runways/airspace)
  - ~2 to 20,000 (UAV runway on WI south end/airspace)
- K. ANTENNA POLARIZATION: linear
- L. ANTENNA GAIN: 2.5 dBi
- M. ANTENNA, FIXED OR ROTATABLE: Fixed
- N. ANTENNA, BEAM WIDTH - A2: 360° - omni
- O. ANTENNA, BEAM WIDTH - EL: 180° - omni
- P. FIXED ANTENNA DIRECTION OF RADIATION: NAP - omni
- Q. TRANSMISSION SYSTEM ATTENUATION LOSSES: Negligible
- R. ANTENNA LATITUDE AND LONGITUDE:
  - ~37° 56' 00"N; 75° 28' 21"W (in or near N-159)
  - ~37° 56' 27"N; 75° 27' 44"W (center of triangle between Main Base runways or in radius approx. 1 mile from this location)
  - ~37° 49' 42"N; 75° 29' 38"W (UAV runway on WI south end)

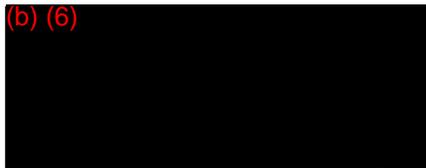
## 14. RECEIVER DATA NAV

- A. NOMENCLATURE:
- B. LOCATION:
- C. STABILITY:

- D. SENSITIVITY:
- E. ANTENNA TYPE:
- F. ANTENNA POLARIZATION:
- G. ANTENNA GAIN:
- H. ANTENNA, FIXED OR ROTATABLE:
- I. ANTENNA, BEAM WIDTH - AZ:
- J. ANTENNA, BEAM WIDTH - EL:
- K. FIXED ANTENNA DIRECTION OF PATTERN:
- L. ANTENNA LATITUDE AND LONGITUDE:

- 15. HAS FREQUENCY ALREADY BEEN ASSIGNED TO ORGANIZATION BY NTIA OR FCC FOR AREA IN WHICH IT WILL BE USED? None needed. (Part 15)
- 16. MISCELLANEOUS COMMENTS:  
Requester is aware of high-power radars operating on 902-928 MHz at WFF.

(b) (6)



SIGNATURE

6/2/04  
DATE

NASA/WFF/Code 569  
AFFILIATION

(b) (6)



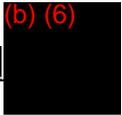
NASA GSFC/WFF RANGE  
SUPPORT MANAGER/CONTACT

5-14-04  
DATE

(b) (6)



(b) (6)



Aerosonde/AeNA

5/28/04  
DATE

(b) (6)

Request FGR115WC ANA.doc

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WALLOPS FREQUENCY UTILIZATION MANAGEMENT WORKING GROUPFREQUENCY UTILIZATION REQUEST

IT IS REQUESTED THAT THE INDICATED FREQUENCY BE REVIEWED FOR USE AT THE GSFC/WFF.

1. FREQUENCY: 902-928 MHz
2. ORGANIZATION: AAI Corporation
3. PROJECT: SUAS
4. SPECIFY ALL COORDINATION REQUIREMENTS FOR AREAS OR ORGANIZATIONS OUTSIDE WALLOPS FLIGHT FACILITY: None
5. SPECIFY ALL COORDINATION REQUIREMENTS FOR AREAS OR ORGANIZATIONS WITHIN WALLOPS FLIGHT FACILITY (NASA OR TENANTS): Routine
6. STATION CLASS: NAV
7. BANDWIDTH/EMISSION: 230K00F1D
8. IF A FREQUENCY BAND IS REQUESTED, DOES SYSTEM OPERATE ON DISCRETE FREQUENCIES IN THE BAND, SPREAD SPECTRUM, FREQUENCY HOPPING, OR HOW? Frequency Hoping Spread Spectrum.
9. ORGANIZATION/PROJECT CONTACT: (b) (6)
10. CONTACT PHONE NUMBER: AAI CORP (WFF)/\*4632  
AAI Corp/(410) 628-6770  
WFF PM/\*1665
11. DESCRIPTION OF HOW FREQUENCY WILL BE USED, METHOD OF OPERATION, ETC.: Frequencies in the specified band will be used for transmitting from a ground station to a UAV(s) for uplinking commands during tests/operations.
12. PERIOD OF USAGE, (INCLUDE OVERALL TIME FRAME, DAYS/WEEK, HOURS/DAY OF PROJECTED USAGE OR OTHER NARRATIVE DESCRIPTION): SUAS Series # 2 flight start NET March 28, 2008, or as rescheduled. There are plans for continue occasional and indefinite use.

File No.  
April 1993

## 13. TRANSMITTER DATA

- A. NOMENCLATURE: Freewave Technologies Model FGR115WC
- B. LOCATION:  
Bldg. D-1 Hangar area or just outside hangar (tests)  
Near Main Base runways (operations)  
Island UAV runway (operations)
- C. TRANSMITTER PEAK POWER OUTPUT: 1 Watt
- D. TRANSMITTER AVERAGE POWER OUTPUT: 1 Watt
- E. PULSE WIDTH: NA
- F. MAXIMUM DUTY CYCLE: NA
- G. PULSE REPETITION FREQUENCY: NA
- H. STABILITY: NAV
- I. ANTENNA TYPE: Omni
- J. ANTENNA HEIGHT ABOVE GROUND:  
~6 Ft. (in or near Bldg. D-1)  
~6 Ft. (near Main Base runways)  
~15 Ft. (UAV runway)
- K. ANTENNA POLARIZATION: Vertical
- L. ANTENNA GAIN:
- M. ANTENNA, FIXED OR ROTATABLE: Fixed - omni
- N. ANTENNA, BEAM WIDTH - AZ: 360° - omni
- O. ANTENNA, BEAM WIDTH - EL: 180° - omni
- P. FIXED ANTENNA DIRECTION OF RADIATION:
- Q. TRANSMISSION SYSTEM ATTENUATION LOSSES:
- R. ANTENNA LATITUDE AND LONGITUDE:  
~37° 56' 00"N; 75° 28' 21"W (in or near N-159)  
~37° 56' 27"N; 75° 27' 44"W (center of triangle between Main  
Base runways or in radius approx. 1 mile from this location)  
~37° 56' 13"N; 75° 28' 12"W (ACC)  
~37° 49' 57"N; 75° 29' 19"W (Bldg. Z-40)

## 14. RECEIVER DATA NAV

- A. NOMENCLATURE:
- B. LOCATION:

(b) (6)

C. STABILITY:

D. SENSITIVITY:

E. ANTENNA TYPE:

F. ANTENNA POLARIZATION:

G. ANTENNA GAIN:

H. ANTENNA, FIXED OR ROTATABLE:

I. ANTENNA, BEAM WIDTH - AZ:

J. ANTENNA, BEAM WIDTH - EL:

K. FIXED ANTENNA DIRECTION OF PATTERN:

L. ANTENNA LATITUDE AND LONGITUDE:

15. HAS FREQUENCY ALREADY BEEN ASSIGNED TO ORGANIZATION BY NTIA OR FCC FOR AREA IN WHICH IT WILL BE USED? No License needed (Part 15).

16. MISCELLANEOUS COMMENTS:  
Requester is aware of high-power radars operating on 902-928 MHz at WFF.

(b) (6)  
SIGNATURE

DATE

NASA/WFF/Code 569  
AFFILIATION

(b) (6)  
NASA GSFC/WFF RANGE  
SUPPORT MANAGER/CONTACT

DATE

(b) (6)  
Aerosonde/AAIC

DATE



13. TRANSMITTER DATA

- A. NOMENCLATURE: Microhard Systems Inc. Model MHX-320
- B. LOCATION:
  - Bldg. D-1/N104 (ANA Hangar area or just outside hangar) (tests)
  - near Main Base runways (operations)
  - Island UAV runway (operations)
- C. TRANSMITTER PEAK POWER OUTPUT: 1 Watt
- D. TRANSMITTER AVERAGE POWER OUTPUT: 1 Watt
- E. PULSE WIDTH: NA
- F. MAXIMUM DUTY CYCLE: NA
- G. PULSE REPETITION FREQUENCY: NA
- H. STABILITY: 1.5 ppm
- I. ANTENNA TYPE: Dipole
- J. ANTENNA HEIGHT ABOVE GROUND:
  - ~5 Ft. (in or near Bldg. D-1)
  - ~6 Ft. (near Main Base runways)
  - ~15 Ft. (UAV runway)
- K. ANTENNA POLARIZATION: Horizontal
- L. ANTENNA GAIN: 1.5 dBi min
- M. ANTENNA, FIXED OR ROTATABLE: Fixed
- N. ANTENNA, BEAM WIDTH - AZ: 60°
- O. ANTENNA, BEAM WIDTH - EL: 180° "omni"
- P. FIXED ANTENNA DIRECTION OF RADIATION: NAP
- Q. TRANSMISSION SYSTEM ATTENUATION LOSSES: 5 dB max
- R. ANTENNA LATITUDE AND LONGITUDE:
  - ~37° 56' 28"N; 75° 28' 14"W (in or near D-1)
  - ~37° 56' 27"N; 75° 27' 44"W (center of triangle between Main Base runways or in radius approx. 1 mile from this location)
  - ~37° 49' 45"N; 75° 29' 38"W (UAV Runway)

14. RECEIVER DATA NAV

- A. NOMENCLATURE:
- B. LOCATION:
- C. STABILITY:

- C. STABILITY:
- D. SENSITIVITY:
- E. ANTENNA TYPE:
- F. ANTENNA POLARIZATION:
- G. ANTENNA GAIN:
- H. ANTENNA, FIXED OR ROTATABLE:
- I. ANTENNA, BEAM WIDTH - AZ:
- J. ANTENNA, BEAM WIDTH - EL:
- K. FIXED ANTENNA DIRECTION OF PATTERN:
- L. ANTENNA LATITUDE AND LONGITUDE:

15. HAS FREQUENCY ALREADY BEEN ASSIGNED TO ORGANIZATION BY NTIA OR FCC FOR AREA IN WHICH IT WILL BE USED? No. A RFA will be requested from NTIA.

16. MISCELLANEOUS COMMENTS:  
 Requester was made aware of potential non-conforming and NIB status prior and even after obtaining a RFA.

(b) (6)

SIGNATURE

DATE

9/11/06

NASA/WFF/Code 569  
 AFFILIATION

*See Attached!* →

(b) (6)

NASA GSFC/WFF RANGE  
 SUPPORT MANAGER/CONTACT

DATE

(b) (6)

9/10/06  
 DATE

- C. STABILITY:
  - D. SENSITIVITY:
  - E. ANTENNA TYPE:
  - F. ANTENNA POLARIZATION:
  - G. ANTENNA GAIN:
  - H. ANTENNA, FIXED OR ROTATABLE:
  - I. ANTENNA, BEAM WIDTH - AZ:
  - J. ANTENNA, BEAM WIDTH - EL:
  - K. FIXED ANTENNA DIRECTION OF PATTERN:
  - L. ANTENNA LATITUDE AND LONGITUDE:
15. HAS FREQUENCY ALREADY BEEN ASSIGNED TO ORGANIZATION BY NTIA OR FCC FOR AREA IN WHICH IT WILL BE USED? No. A RFA will be requested from NTIA.
16. MISCELLANEOUS COMMENTS:  
Requester was made aware of potential non-conforming and NIB status prior and even after obtaining a RFA.

(b) (6)  
SIGNATURE

DATE

(b) (6)  
SUPPORT MANAGER/CONTACT

9/12/06  
DATE

(b) (6)  
Aerospace/ANA

AAI (b) (6)

DATE

## 13. TRANSMITTER DATA

- A. NOMENCLATURE: Microhard Systems Inc. Modal MHX-320
- B. LOCATION: UAV to test/stage from:  
Bldg. D-1/N104 (ANA Hangar area or just outside hangar) (tests)  
near Main Base runways (operations)  
Island UAV runway (operations)
- C. TRANSMITTER PEAK POWER OUTPUT: 1 Watt
- D. TRANSMITTER AVERAGE POWER OUTPUT: 1 Watt
- E. PULSE WIDTH: NA
- F. MAXIMUM DUTY CYCLE: NA
- G. PULSE REPETITION FREQUENCY: NA
- H. STABILITY: 1.5 ppm
- I. ANTENNA TYPE: omni
- J. ANTENNA HEIGHT ABOVE GROUND:  
~2-6 Ft. (in or near Bldg. D-1)  
~2 to 20,000 (Main Base runways/airspace)  
~2 to 20,000 (UAV runway or WI south end/airspace)
- K. ANTENNA POLARIZATION: linear
- L. ANTENNA GAIN: 2 dB min
- M. ANTENNA, FIXED OR ROTABLE: Fixed
- N. ANTENNA, BEAM WIDTH - AZ: 360°
- O. ANTENNA, BEAM WIDTH - EL: 180°
- P. FIXED ANTENNA DIRECTION OF RADIATION: NAP
- Q. TRANSMISSION SYSTEM ATTENUATION LOSSES: 1 dB
- R. ANTENNA LATITUDE AND LONGITUDE:  
~37° 56' 28"N; 75° 28' 14"W (in or near D-1)  
~37° 56' 27"N; 75° 27' 44"W (center of triangle between Main  
Base runways or in radius approx. 1 mile from this location)  
~37° 49' 45"N; 75° 29' 38"W (UAV Runway)

## 14. RECEIVER DATA NAV

- A. NOMENCLATURE:
- B. LOCATION:

- D. SENSITIVITY:
- E. ANTENNA TYPE:
- F. ANTENNA POLARIZATION:
- G. ANTENNA GAIN:
- H. ANTENNA, FIXED OR ROTATABLE:
- I. ANTENNA, BEAM WIDTH - AZ:
- J. ANTENNA, BEAM WIDTH - EL:
- K. FIXED ANTENNA DIRECTION OF PATTERN:
- L. ANTENNA LATITUDE AND LONGITUDE:

15. HAS FREQUENCY ALREADY BEEN ASSIGNED TO ORGANIZATION BY NTIA OR FCC FOR AREA IN WHICH IT WILL BE USED? No. A RFA will be requested from NTIA.

16. MISCELLANEOUS COMMENTS:  
Requester was made aware of potential non-conforming and NIB status prior and even after obtaining a RFA.

(b) (6)

SIGNATURE

9/11/06  
DATE

NASA/WFF/Code 569  
AFFILIATION

See →  
attached!

(b) (6)

NASA GSFC/WFF RANGE  
SUPPORT MANAGER/CONTACT

DATE

(b) (6)

9/10/06  
DATE

Sep. 12. 2006 11:12AM WFF CODE 830

No. 0310 r. 4

- D. SENSITIVITY:
  - E. ANTENNA TYPE:
  - F. ANTENNA POLARIZATION:
  - G. ANTENNA GAIN:
  - H. ANTENNA, FIXED OR ROTATABLE:
  - I. ANTENNA, BEAM WIDTH - AZ:
  - J. ANTENNA, BEAM WIDTH - EL:
  - K. FIXED ANTENNA DIRECTION OF PATTERN:
  - L. ANTENNA LATITUDE AND LONGITUDE:
15. HAS FREQUENCY ALREADY BEEN ASSIGNED TO ORGANIZATION BY NTIA OR FCC FOR AREA IN WHICH IT WILL BE USED? No. A RFA will be requested from NTIA.
16. MISCELLANEOUS COMMENTS:  
Requester was made aware of potential non-conforming and NIB status prior and even after obtaining a RFA.

(b) (6)  
SIGNATURE

DATE

(b) (6)  
NESH CSFC/NET MANAGER  
SUPPORT MANAGER/CONTACT

9/12/06

DATE

(b) (6)

DATE

WALLOPS FREQUENCY UTILIZATION MANAGEMENT WORKING GROUPFREQUENCY UTILIZATION REQUEST

IT IS REQUESTED THAT THE INDICATED FREQUENCY BE REVIEWED FOR USE AT THE GSFC/WFF.

1. FREQUENCY: 310-390 MHz
2. ORGANIZATION: ~~Aerospace North America~~ AAI (b) (6)
3. PROJECT: WUAVF/TIER II
4. SPECIFY ALL COORDINATION REQUIREMENTS FOR AREAS OR ORGANIZATIONS OUTSIDE WALLOPS FLIGHT FACILITY: None
5. SPECIFY ALL COORDINATION REQUIREMENTS FOR AREAS OR ORGANIZATIONS WITHIN WALLOPS FLIGHT FACILITY (NASA OR TENANTS): Routine
6. STATION CLASS: NAV
7. BANDWIDTH/EMISSION: 280K00F1D (Fast Mode); 25K00F1D (Slow Mode)
8. IF A FREQUENCY BAND IS REQUESTED, DOES SYSTEM OPERATE ON DISCRETE FREQUENCIES IN THE BAND, SPREAD SPECTRUM, FREQUENCY HOPPING, OR HOW? Can operate in Fixed Frequency or Frequency Hopping.
9. ORGANIZATION/PROJECT CONTACT: (b) (6)
10. CONTACT PHONE NUMBER: AAI (b) (6)  
ANA (WFF)/\*4632  
AAI (b) (6) ANA/ (410) 628-6770  
WFF PM/\*1033
11. DESCRIPTION OF HOW FREQUENCY WILL BE USED, METHOD OF OPERATION, ETC.: Frequency(ies) in the specified band will be used for transmitting from a UAV(s) to a ground station for control/downlinking data during test/operations. When in frequency hopping mode it can hop in up to 50 discrete frequencies.
12. PERIOD OF USAGE, (INCLUDE OVERALL TIME FRAME, DAYS/WEEK, HOURS/DAY OF PROJECTED USAGE OR OTHER NARRATIVE DESCRIPTION): Starting with Phase 1 NET August 28 and through September 22, 2006. There are plans for continue occasional and indefinite use. Will start with flights lasting about 4 hours and eventually as long as 30 hours/flight, 3 flights per week, 400-500 hours per year.

File No. 695  
April 1993