

**United States of America
FEDERAL COMMUNICATIONS COMMISSION
EXPERIMENTAL
SPECIAL TEMPORARY AUTHORIZATION**

EXPERIMENTAL

(Nature of Service)

XC MO

(Class of Station)

WB2XDG

(Call Sign)

0125-EX-ST-2003

(File Number)

NAME BAE Systems

This Special Temporary Authorization is granted upon the express condition that it may be terminated by the Commission at any time without advance notice or hearing if in its discretion the need for such action arises. Nothing contained herein shall be construed as a finding by the Commission that the authority herein granted is or will be in the public interest beyond the express terms hereof.

This Special Temporary Authorization shall not vest in the grantee any right to operate the station nor any right in the use of the frequencies designated in the authorization beyond the term hereof, nor in any other manner than authorized herein. Neither the authorization nor the right granted hereunder shall be assigned or otherwise transferred in violation of the Communications Act of 1934. This authorization is subject to the right of use of control the Government of the United States conferred by Section 706 of the Communications Act of 1934.

Special Temporary Authority is hereby granted to operate the apparatus described below:

Purpose Of Operation:

Testing of a 94 GHz radar for runway imaging.

Station Locations

- (1) MOBILE: Newport News/ Williamsburg Airport, Newport News, VA, within 100 km, centered around NL 37-07-54; WL 76-29-34
- (2) MOBILE: Santa Monica, within 100 km, centered around NL 34-00-56; WL 118-27-04
- (3) MOBILE: Wallops Flight Facility, Wallops Island, VA, within 100 km, centered around NL 37-56-24; WL 75-27-59
- (4) MOBILE: Reno/Tahoe Airport, Reno, NV, within 100 km, centered around NL 39-29-54; WL 119-46-05
- (5) MOBILE: Condon Army Airfield, within 100 km, centered around NL 32-31-52; WL 106-08-31
- (6) MOBILE: Langley Air Force Base, within 100 km, centered around NL 37-04-58; WL 76-21-37
- (7) MOBILE: Long Beach Airport, within 100 km, centered around NL 33-49-03; WL 118-09-05
- (8) MOBILE: Edwards Air Force Base, within 100 km, centered around NL 34-54-17; WL 117-53-01
- (9) MOBILE: China Lake Naval Weapons Station, within 100 km, centered around NL 35-41-15; WL 117-41-26

Frequency Information

MOBILE: Newport News/ Williamsburg Airport, Newport News, VA, within 100 km, centered around NL 37-07-54; WL 76-29-34

This authorization effective May 15, 2003 and
will expire 3:00 A.M. EST November 01, 2003

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
94 GHz	MO	600KF3N	4.3 kW (ERP)	0.005 %

MOBILE: Santa Monica, within 100 km, centered around NL 34-00-56; WL 118-27-04

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
94 GHz	MO	600KF3N	4.3 kW (ERP)	0.005 %

MOBILE: Wallops Flight Facility, Wallops Island, VA, within 100 km, centered around NL 37-56-24; WL 75-27-59

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
94 GHz	MO	600KF3N	4.3 kW (ERP)	0.005 %

MOBILE: Reno/Tahoe Airport, Reno, NV, within 100 km, centered around NL 39-29-54; WL 119-46-05

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
94 GHz	MO	600KF3N	4.3 kW (ERP)	0.005 %

MOBILE: Condron Army Airfield, within 100 km, centered around NL 32-31-52; WL 106-08-31

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
94 GHz	MO	600KF3N	4.3 kW (ERP)	0.005 %

MOBILE: Langley Air Force Base, within 100 km, centered around NL 37-04-58; WL 76-21-37

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
94 GHz	MO	600KF3N	4.3 kW (ERP)	0.005 %

MOBILE: Long Beach Airport, within 100 km, centered around NL 33-49-03; WL 118-09-05

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
94 GHz	MO	600KF3N	4.3 kW (ERP)	0.005 %

Frequency Information

MOBILE: Edwards Air Force Base, within 100 km, centered around NL 34-54-17; WL 117-53-01

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
94 GHz	MO	600KF3N	4.3 kW (ERP)	0.005 %

MOBILE: China Lake Naval Weapons Station, within 100 km, centered around NL 35-41-15; WL 117-41-26

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
94 GHz	MO	600KF3N	4.3 kW (ERP)	0.005 %

Special Conditions:

- (1) This authorization is issued for the express purpose of conducting experimental operations described in the related application and required by NASA contract no. NCC-1-350. The use of this radio station in any other manner or for any other purpose will constitute a violation of the privileges herein authorized. Except as subsequently authorized by the Commission, this radio station shall not be operated after the expiration date of the contract designated in the related application and enumerated above.