

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

EXPERIMENTAL

(Nature of Service)

XC FX MO

(Class of Station)

WC2XVU

(Call Sign)

0101-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:

Verification testing and demonstration of a VHF/UHF experimental system being developed under a contract with DARPA.

Station Locations

- (1) MOBILE: Airborne, 7000-10,000 ft. elliptical path between Danbury & Guild, NH, within 25 km, centered around NL 43-28-00; WL 72-00-00
- (2) Near Shingle Mill Corner, within 8 km, NH - NL 43-22-30; WL 71-55-00
- (3) Manchester, NH - NL 42-55-30; WL 77-26-06

Frequency Information

MOBILE: Airborne, 7000-10,000 ft. elliptical path between Danbury & Guild, NH, within 25 km, centered around NL 43-28-00; WL 72-00-00

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
27.005 MHz	MO	6K00A3E	4 W (ERP)	
30-54 MHz	MO	25K0F1D	4 W (ERP)	
30.1 MHz	MO	N0N	100 uW (ERP)	
30.5 MHz	MO	N0N	10 mW (ERP)	
30.5 MHz	MO	N0N	100 uW (ERP)	
30.5 MHz	MO	6K00F3E	10 W (ERP)	
32.13 MHz	MO	N0N	100 uW (ERP)	
32.93 MHz	MO	N0N	100 uW (ERP)	
34.13 MHz	MO	N0N	100 uW (ERP)	

This authorization effective May 09, 2003 and
will expire 3:00 A.M. EST May 17, 2003

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

MOBILE: Airborne, 7000-10,000 ft. elliptical path between Danbury & Guild, NH, within 25 km, centered around NL 43-28-00;
WL 72-00-00

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
34.93 MHz	MO	N0N	100 uW (ERP)	
36.13 MHz	MO	N0N	100 uW (ERP)	
36.87 MHz	MO	N0N	100 uW (ERP)	
38.27 MHz	MO	N0N	10 mW (ERP)	
38.27 MHz	MO	N0N	100 uW (ERP)	
38.27 MHz	MO	6K00F3E	10 W (ERP)	
38.87 MHz	MO	N0N	100 uW (ERP)	
40.23 MHz	MO	N0N	100 uW (ERP)	
41.97 MHz	MO	N0N	10 mW (ERP)	
41.97 MHz	MO	N0N	100 uW (ERP)	
41.97 MHz	MO	6K00F3E	10 W (ERP)	
142 MHz	MO	N0N	100 uW (ERP)	
143.9 MHz	MO	N0N	100 uW (ERP)	
148.1 MHz	MO	N0N	100 uW (ERP)	
150.7 MHz	MO	N0N	100 uW (ERP)	
225.1 MHz	MO	N0N	100 uW (ERP)	
227.1 MHz	MO	N0N	100 uW (ERP)	
245 MHz	MO	N0N	100 uW (ERP)	
247 MHz	MO	N0N	100 uW (ERP)	
265 MHz	MO	N0N	100 uW (ERP)	
267 MHz	MO	N0N	100 uW (ERP)	
285 MHz	MO	N0N	100 uW (ERP)	
287 MHz	MO	N0N	100 uW (ERP)	
305 MHz	MO	N0N	100 uW (ERP)	
307 MHz	MO	N0N	100 uW (ERP)	
325 MHz	MO	N0N	100 uW (ERP)	
327 MHz	MO	N0N	100 uW (ERP)	
345 MHz	MO	N0N	100 uW (ERP)	
347 MHz	MO	N0N	100 uW (ERP)	
365 MHz	MO	N0N	100 uW (ERP)	
366.625 MHz	MO	1M10G1D	20 W (ERP)	
367 MHz	MO	N0N	100 uW (ERP)	
385 MHz	MO	N0N	100 uW (ERP)	
387 MHz	MO	N0N	100 uW (ERP)	
405 MHz	MO	N0N	100 uW (ERP)	
407 MHz	MO	N0N	100 uW (ERP)	
418 MHz	MO	N0N	100 uW (ERP)	
419 MHz	MO	N0N	100 uW (ERP)	

Frequency Information

Near Shingle Mill Corner, within 8 km, NH - NL 43-22-30; WL 71-55-00

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
27.0005 MHz	FX	6K00A3E	4 W (ERP)	
30.5 MHz	FX	6K00F3E	4 W (ERP)	
38.27 MHz	FX	6K00F3E	4 W (ERP)	
41.97 MHz	FX	6K00F3E	4 W (ERP)	
366.625 MHz	FX	1M10G1D	20 W (ERP)	

Manchester, NH - NL 42-55-30; WL 77-26-06

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
27.005 MHz	FX	6K00A3E	10 W (ERP)	
30-54 MHz	FX	25K0F1D	4 W (ERP)	
30.1 MHz	FX	N0N	100 uW (ERP)	
30.5 MHz	FX	N0N	100 uW (ERP)	
30.5 MHz	FX	6K00F3E	10 W (ERP)	
32.13 MHz	FX	N0N	100 uW (ERP)	
32.93 MHz	FX	N0N	100 uW (ERP)	
34.13 MHz	FX	N0N	100 uW (ERP)	
34.93 MHz	FX	N0N	100 uW (ERP)	
36.13 MHz	FX	N0N	100 uW (ERP)	
36.87 MHz	FX	N0N	100 uW (ERP)	
38.27 MHz	FX	N0N	100 uW (ERP)	
38.27 MHz	FX	6K00F3E	10 W (ERP)	
38.87 MHz	FX	N0N	100 uW (ERP)	
40.23 MHz	FX	N0N	100 uW (ERP)	
41.97 MHz	FX	N0N	100 uW (ERP)	
41.97 MHz	FX	6K00F3E	10 W (ERP)	
142 MHz	FX	N0N	100 uW (ERP)	
143.9 MHz	FX	N0N	100 uW (ERP)	
148.1 MHz	FX	N0N	100 uW (ERP)	
150.7 MHz	FX	N0N	100 uW (ERP)	
225.1 MHz	FX	N0N	100 uW (ERP)	
227.1 MHz	FX	N0N	100 uW (ERP)	
245 MHz	FX	N0N	100 uW (ERP)	
247 MHz	FX	N0N	100 uW (ERP)	
265 MHz	FX	N0N	100 uW (ERP)	
267 MHz	FX	N0N	100 uW (ERP)	
285 MHz	FX	N0N	100 uW (ERP)	

Frequency Information

Manchester, NH - NL 42-55-30; WL 77-26-06

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
287 MHz	FX	N0N	100 uW (ERP)	
305 MHz	FX	N0N	100 uW (ERP)	
307 MHz	FX	N0N	100 uW (ERP)	
325 MHz	FX	N0N	100 uW (ERP)	
327 MHz	FX	N0N	100 uW (ERP)	
345 MHz	FX	N0N	100 uW (ERP)	
347 MHz	FX	N0N	100 uW (ERP)	
365 MHz	FX	N0N	100 uW (ERP)	
366.625 MHz	FX	1M10G1D	20 W (ERP)	
385 MHz	FX	N0N	100 uW (ERP)	
387 MHz	FX	N0N	100 uW (ERP)	
405 MHz	FX	N0N	100 uW (ERP)	
407 MHz	FX	N0N	100 uW (ERP)	
418 MHz	FX	N0N	100 uW (ERP)	
419 MHz	FX	N0N	100 uW (ERP)	

Special Conditions:

- (1) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (2) Licensee should be aware that other stations may be licensed on these frequencies and if any interference occurs, the licensee of this authorization will be subject to immediate shut down.
- (3) This authorization is issued for the express purpose of conducting experimental operations described in the related application and required by the specified contract. 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.