

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

EXPERIMENTAL

(Nature of Service)

WD9XAS

(Call Sign)

XC MO

(Class of Station)

0029-EX-ST-2007

(File Number)

NAME BAE SYSTEMS Information and Electronic Systems Integration Inc.

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 the Facilities is a critical part of the manufacture and delivery of communications systems in support of First Responder efforts to deal effectively with emergency situations.

Station Locations

- (1) MOBILE: Radio 1: EFJ 5186, Hudson (HILLSBOROUGH), NH, within 5 km, centered around NL 42-42-17; WL 71-25-54
- (2) MOBILE: Radio 4: Kenwood TK-480, Pope Technology Park, Hudson (HILLSBOROUGH), NH, within 5 km, centered around NL 42-42-17; WL 71-25-54
- (3) MOBILE: Radio 5: Kenwood 5400, Hudson (HILLSBOROUGH), NH, within 5 km, centered around NL 42-42-17; WL 71-25-54
- (4) MOBILE: Radio 6: Kenwood TK-481, Hudson (HILLSBOROUGH), NH, within 5 km, centered around NL 42-42-17; WL 71-25-54
- (5) MOBILE: Radio 12: Vertex 537, Hudson (HILLSBOROUGH), NH, within 5 km, centered around NL 42-42-17; WL 71-25-54
- (6) MOBILE: Radio 11: Vertex 520, Hudson (HILLSBOROUGH), NH, within 5 km, centered around NL 42-42-17; WL 71-25-54
- (7) MOBILE: Radio 7: Kenwood TK-3180K2, Hudson (HILLSBOROUGH), NH, within 5 km, centered around NL 42-42-17; WL 71-25-54
- (8) MOBILE: Radio: 2 Icom F70DT, Pope Technology Park, Hudson (HILLSBOROUGH), NH, within 5 km, centered around NL 42-42-17; WL 71-25-54
- (9) MOBILE: Radio: 3 Icom F3GT, Pope Technology Park, Hudson (HILLSBOROUGH), NH, within 5 km, centered around NL 42-42-17; WL 71-25-54
- (10) MOBILE: Radio: 8 Kenwood TK-2180K, Pope Technology Park, Hudson (HILLSBOROUGH), NH, within 5 km, centered around NL 42-42-17; WL 71-25-54

This authorization effective August 28, 2007 and
will expire 3:00 A.M. EST February 29, 2008

**FEDERAL
COMMUNICATIONS
COMMISSION**



Station Locations

- (11) MOBILE: Radio: 10 Kenwood TK-280, Pope Technology Park, Hudson (HILLSBOROUGH), NH, within 5 km, centered around NL 42-42-17; WL 71-25-54
- (12) MOBILE: Radio: 9 Kenwood TK-5210K1, Pope Technology Park, Hudson (HILLSBOROUGH), NH, within 5 km, centered around NL 42-42-17; WL 71-25-54
- (13) MOBILE: Radio 13: Vertex Standard VX-510V, Pope Technology Park, Hudson (HILLSBOROUGH), NH, within 5 km, centered around NL 42-42-17; WL 71-25-54

Frequency Information

MOBILE: Radio 1: EFJ 5186, Hudson (HILLSBOROUGH), NH, within 5 km, centered around NL 42-42-17; WL 71-25-54

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
862.6375 MHz	MO	16K0F3E	1.5 W (ERP)	

MOBILE: Radio 4: Kenwood TK-480, Pope Technology Park, Hudson (HILLSBOROUGH), NH, within 5 km, centered around NL 42-42-17; WL 71-25-54

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
862.6375 MHz	MO	25K0F3E	1.5 W (ERP)	

MOBILE: Radio 5: Kenwood 5400, Hudson (HILLSBOROUGH), NH, within 5 km, centered around NL 42-42-17; WL 71-25-54

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
862.6375 MHz	MO	25K0F3E	1.5 W (ERP)	

MOBILE: Radio 6: Kenwood TK-481, Hudson (HILLSBOROUGH), NH, within 5 km, centered around NL 42-42-17; WL 71-25-54

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
862.6375 MHz	MO	25K0F3E	1.5 W (ERP)	

Frequency Information

MOBILE: Radio 12: Vertex 537, Hudson (HILLSBOROUGH), NH, within 5 km, centered around NL 42-42-17; WL 71-25-54

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
463.4125 MHz	MO	25K0F2E	2.5 W (ERP)	
464.425 MHz	MO	25K0F3E	2.5 W (ERP)	
468.4124 MHz	MO	25K0F3E	2.5 W (ERP)	
862.6375 MHz	MO	25K0F3E	1.5 W (ERP)	

MOBILE: Radio 11: Vertex 520, Hudson (HILLSBOROUGH), NH, within 5 km, centered around NL 42-42-17; WL 71-25-54

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
463.4125 MHz	MO	25K0F2E	2.5 W (ERP)	
464.425 MHz	MO	25K0F3E	2.5 W (ERP)	
468.4124 MHz	MO	25K0F3E	2.5 W (ERP)	
862.6375 MHz	MO	25K0F3E	1.5 W (ERP)	

Frequency Information

MOBILE: Radio 7: Kenwood TK-3180K2, Hudson (HILLSBOROUGH), NH, within 5 km, centered around NL 42-42-17; WL 71-25-54

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
463.4125 MHz	MO	25K0F2E	2.5 W (ERP)	
464.425 MHz	MO	25K0F3E	2.5 W (ERP)	
468.4124 MHz	MO	25K0F3E	2.5 W (ERP)	
862.6375 MHz	MO	25K0F3E	1.5 W (ERP)	

MOBILE: Radio: 2 Icom F70DT, Pope Technology Park, Hudson (HILLSBOROUGH), NH, within 5 km, centered around NL 42-42-17; WL 71-25-54

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
138.15 MHz	MO	12K5F3E 25K0F3E	2.5 W (ERP)	
138.4 MHz	MO	12K5F3E 25K0F3E	2.5 W (ERP)	
151.9875 MHz	MO	12K5F3E 25K0F2E	2.5 W (ERP)	
151.9875 MHz	MO	12K5F3E 25K0F2E	2.5 W (ERP)	

Frequency Information

MOBILE: Radio: 3 Icom F3GT, Pope Technology Park, Hudson (HILLSBOROUGH), NH, within 5 km, centered around NL 42-42-17; WL 71-25-54

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
138.15 MHz	MO	12K5F3E 25K0F3E	2.5 W (ERP)	
138.4 MHz	MO	12K5F3E 25K0F3E	2.5 W (ERP)	
151.9875 MHz	MO	12K5F3E 25K0F2E	2.5 W (ERP)	
151.9875 MHz	MO	12K5F3E 25K0F2E	2.5 W (ERP)	

MOBILE: Radio: 8 Kenwood TK-2180K, Pope Technology Park, Hudson (HILLSBOROUGH), NH, within 5 km, centered around NL 42-42-17; WL 71-25-54

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
138.15 MHz	MO	12K5F3E 25K0F3E	2.5 W (ERP)	
138.4 MHz	MO	12K5F3E 25K0F3E	2.5 W (ERP)	
151.9875 MHz	MO	12K5F3E 25K0F2E	2.5 W (ERP)	

Frequency Information

MOBILE: Radio: 8 Kenwood TK-2180K, Pope Technology Park, Hudson (HILLSBOROUGH), NH, within 5 km, centered around NL 42-42-17; WL 71-25-54

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
151.9875 MHz	MO	12K5F3E 25K0F2E	2.5 W (ERP)	

MOBILE: Radio: 10 Kenwood TK-280, Pope Technology Park, Hudson (HILLSBOROUGH), NH, within 5 km, centered around NL 42-42-17; WL 71-25-54

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
138.15 MHz	MO	12K5F3E 25K0F3E	2.5 W (ERP)	
138.4 MHz	MO	12K5F3E 25K0F3E	2.5 W (ERP)	
151.9875 MHz	MO	12K5F3E 25K0F2E	2.5 W (ERP)	
151.9875 MHz	MO	12K5F3E 25K0F2E	2.5 W (ERP)	

MOBILE: Radio: 9 Kenwood TK-5210K1, Pope Technology Park, Hudson (HILLSBOROUGH), NH, within 5 km, centered around NL 42-42-17; WL 71-25-54

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
138.15 MHz	MO	12K5F3E 25K0F3E	2.5 W (ERP)	

Frequency Information

MOBILE: Radio: 9 Kenwood TK-5210K1, Pope Technology Park, Hudson (HILLSBOROUGH), NH, within 5 km, centered around NL 42-42-17; WL 71-25-54

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
138.4 MHz	MO	12K5F3E 25K0F3E	2.5 W (ERP)	
151.9875 MHz	MO	12K5F3E 25K0F2E	2.5 W (ERP)	
151.9875 MHz	MO	12K5F3E 25K0F2E	2.5 W (ERP)	

MOBILE: Radio 13: Vertex Standard VX-510V, Pope Technology Park, Hudson (HILLSBOROUGH), NH, within 5 km, centered around NL 42-42-17; WL 71-25-54

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
138.15 MHz	MO	12K5F3E 25K0F3E	2.5 W (ERP)	
138.4 MHz	MO	12K5F3E 25K0F3E	2.5 W (ERP)	
151.9875 MHz	MO	12K5F3E 25K0F2E	2.5 W (ERP)	
151.9875 MHz	MO	12K5F3E 25K0F2E	2.5 W (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) The station identification requirements of Section 5.115 of the Commission's Rules are waived.
- (3) 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.
- (4) This authorization is issued for the express purpose of conducting experimental operations described in the related application and required by the US military contract number MDA972-00-9-0009. 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.