

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

EXPERIMENTAL

(Nature of Service)

XD FX MO

(Class of Station)

WC9XHT

(Call Sign)

0593-EX-ST-2005

(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:

Antenna range testing.

Station Locations

- (1) Litchfield (HILLSBOROUGH), NH - NL 42-48-22; WL 71-25-33
- (2) MOBILE: , within 32 km, centered around NL 42-44-15; WL 71-57-59

Frequency Information

Litchfield (HILLSBOROUGH), NH - NL 42-48-22; WL 71-25-33

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
15-29.9 MHz	FX	N0N	5 W (ERP)	
15-29.9 MHz	FX	N0N	0.007 W (ERP)	
15-29.9 MHz	FX	25K0F3D	5 W (ERP)	

This authorization effective November 01, 2005 and
will expire 3:00 A.M. EST May 02, 2006

**FEDERAL
COMMUNICATIONS
COMMISSION**

Frequency Information

Litchfield (HILLSBOROUGH), NH - NL 42-48-22; WL 71-25-33

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
29.975 MHz	FX	N0N	5 W (ERP)	
29.975 MHz	FX	N0N	0.007 W (ERP)	
29.975 MHz	FX	25K0F3D	5 W (ERP)	
30-74.8 MHz	FX	N0N 25K0F3D	5 W (ERP)	
75.2-108 MHz	FX	N0N 25K0F3D	5 W (ERP)	
108.5-118.4 MHz	FX	N0N	5 W (ERP)	
108.5-118.4 MHz	FX	N0N	5 W (ERP)	
108.5-118.4 MHz	FX	25K0F3D	5 W (ERP)	
119.625 MHz	FX	N0N	5 W (ERP)	
119.625 MHz	FX	N0N	0.007 W (ERP)	

Frequency Information

Litchfield (HILLSBOROUGH), NH - NL 42-48-22; WL 71-25-33

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
119.625 MHz	FX	25K0F3D	5 W (ERP)	
120.1-129.2 MHz	FX	N0N 25K0F3D	5 W (ERP)	
129.5-135.2 MHz	FX	N0N	5 W (ERP)	
129.5-135.2 MHz	FX	N0N	0.007 W (ERP)	
129.5-135.2 MHz	FX	25K0F3D	5 W (ERP)	
136.15 MHz	FX	N0N	5 W (ERP)	
136.15 MHz	FX	N0N	0.007 W (ERP)	
136.15 MHz	FX	25K0F3D	5 W (ERP)	
137-152.885 MHz	FX	N0N 25K0F3D	5 W (ERP)	
153.4 MHz	FX	N0N	5 W (ERP)	

Frequency Information

Litchfield (HILLSBOROUGH), NH - NL 42-48-22; WL 71-25-33

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
153.4 MHz	FX	N0N	0.007 W (ERP)	
153.4 MHz	FX	25K0F3D	5 W (ERP)	
154-156.515 MHz	FX	N0N 25K0F3D	5 W (ERP)	
156.81-161.625 MHz	FX	N0N 25K0F3D	5 W (ERP)	
162.85 MHz	FX	N0N	5 W (ERP)	
162.85 MHz	FX	N0N	0.007 W (ERP)	
162.85 MHz	FX	25K0F3D	5 W (ERP)	
164-173.6 MHz	FX	N0N	5 W (ERP)	
164-173.6 MHz	FX	N0N	0.007 W (ERP)	
164-173.6 MHz	FX	25K0F3D	5 W (ERP)	

Frequency Information

Litchfield (HILLSBOROUGH), NH - NL 42-48-22; WL 71-25-33

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
174-228.6 MHz	FX	N0N 25K0F3D	5 W (ERP)	
228.8-328.6 MHz	FX	N0N 25K0F3D	5 W (ERP)	
330.05 MHz	FX	N0N	5 W (ERP)	
330.05 MHz	FX	N0N	0.007 W (ERP)	
330.05 MHz	FX	25K0F3D	5 W (ERP)	
333.35 MHz	FX	N0N	5 W (ERP)	
333.35 MHz	FX	N0N	0.007 W (ERP)	
333.35 MHz	FX	25K0F3D	5 W (ERP)	
335.4-454 MHz	FX	N0N 25K0F3D	5 W (ERP)	
456-470 MHz	FX	N0N	5 W (ERP)	

Frequency Information

Litchfield (HILLSBOROUGH), NH - NL 42-48-22; WL 71-25-33

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
456-470 MHz	FX	25K0F3D	5 W (ERP)	
472.225 MHz	FX	N0N	5 W (ERP)	
472.225 MHz	FX	N0N	0.007 W (ERP)	
472.225 MHz	FX	25K0F3D	5 W (ERP)	
476.95 MHz	FX	N0N	5 W (ERP)	
476.95 MHz	FX	N0N	0.007 W (ERP)	
476.95 MHz	FX	25K0F3D	5 W (ERP)	
481.725 MHz	FX	N0N	5 W (ERP)	
481.725 MHz	FX	N0N	0.007 W (ERP)	
481.725 MHz	FX	25K0F3D	5 W (ERP)	

Frequency Information

Litchfield (HILLSBOROUGH), NH - NL 42-48-22; WL 71-25-33

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
486.525 MHz	FX	N0N	5 W (ERP)	
486.525 MHz	FX	N0N	0.007 W (ERP)	
486.525 MHz	FX	25K0F3D	5 W (ERP)	
491.4 MHz	FX	N0N	5 W (ERP)	
491.4 MHz	FX	N0N	0.007 W (ERP)	
491.4 MHz	FX	25K0F3D	5 W (ERP)	
496.3 MHz	FX	N0N	5 W (ERP)	
496.3 MHz	FX	N0N	0.007 W (ERP)	
496.3 MHz	FX	25K0F3D	5 W (ERP)	
500 MHz	FX	N0N	5 W (ERP)	

Frequency Information

Litchfield (HILLSBOROUGH), NH - NL 42-48-22; WL 71-25-33

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
500 MHz	FX	N0N	0.007 W (ERP)	
500 MHz	FX	25K0F3D	5 W (ERP)	
508-614 MHz	FX	N0N 25K0F3D	5 W (ERP)	
621.7 MHz	FX	N0N	5 W (ERP)	
621.7 MHz	FX	N0N	0.007 W (ERP)	
621.7 MHz	FX	25K0F3D	5 W (ERP)	
626-632 MHz	FX	N0N	5 W (ERP)	
626-632 MHz	FX	N0N	0.007 W (ERP)	
626-632 MHz	FX	25K0F3D	5 W (ERP)	
634.125 MHz	FX	N0N	5 W (ERP)	

Frequency Information

Litchfield (HILLSBOROUGH), NH - NL 42-48-22; WL 71-25-33

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
634.125 MHz	FX	N0N	0.007 W (ERP)	
634.125 MHz	FX	25K0F3D	5 W (ERP)	
646.825 MHz	FX	N0N	5 W (ERP)	
646.825 MHz	FX	N0N	0.007 W (ERP)	
646.825 MHz	FX	25K0F3D	5 W (ERP)	
659.75 MHz	FX	N0N	5 W (ERP)	
659.75 MHz	FX	N0N	5 W (ERP)	
659.75 MHz	FX	25K0F3D	5 W (ERP)	
662-668 MHz	FX	N0N	5 W (ERP)	
662-668 MHz	FX	N0N	0.007 W (ERP)	

Frequency Information

Litchfield (HILLSBOROUGH), NH - NL 42-48-22; WL 71-25-33

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
662-668 MHz	FX	25K0F3D	5 W (ERP)	
672.95 MHz	FX	N0N	5 W (ERP)	
672.95 MHz	FX	N0N	0.007 W (ERP)	
672.95 MHz	FX	25K0F3D	5 W (ERP)	
686.4 MHz	FX	N0N	5 W (ERP)	
686.4 MHz	FX	N0N	0.007 W (ERP)	
686.4 MHz	FX	25K0F3D	5 W (ERP)	
700.125 MHz	FX	N0N	5 W (ERP)	
700.125 MHz	FX	N0N	0.007 W (ERP)	
700.125 MHz	FX	25K0F3D	5 W (ERP)	

Frequency Information

Litchfield (HILLSBOROUGH), NH - NL 42-48-22; WL 71-25-33

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
714.125 MHz	FX	N0N	5 W (ERP)	
714.125 MHz	FX	N0N	0.007 W (ERP)	
714.125 MHz	FX	25K0F3D	5 W (ERP)	
728.425 MHz	FX	N0N	5 W (ERP)	
728.425 MHz	FX	N0N	0.007 W (ERP)	
728.425 MHz	FX	25K0F3D	5 W (ERP)	
734-740 MHz	FX	N0N	5 W (ERP)	
734-740 MHz	FX	N0N	0.007 W (ERP)	
734-740 MHz	FX	25K0F3D	5 W (ERP)	
742.975 MHz	FX	N0N	5 W (ERP)	

Frequency Information

Litchfield (HILLSBOROUGH), NH - NL 42-48-22; WL 71-25-33

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
742.975 MHz	FX	N0N	0.007 W (ERP)	
742.975 MHz	FX	25K0F3D	5 W (ERP)	
757.85 MHz	FX	N0N	5 W (ERP)	
757.85 MHz	FX	N0N	0.007 W (ERP)	
757.85 MHz	FX	25K0F3D	5 W (ERP)	
758-764 MHz	FX	N0N	5 W (ERP)	
758-764 MHz	FX	N0N	0.007 W (ERP)	
758-764 MHz	FX	25K0F3D	5 W (ERP)	
773 MHz	FX	N0N	5 W (ERP)	
773 MHz	FX	N0N	0.007 W (ERP)	

Frequency Information

Litchfield (HILLSBOROUGH), NH - NL 42-48-22; WL 71-25-33

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
773 MHz	FX	25K0F3D	5 W (ERP)	
788.45 MHz	FX	N0N	5 W (ERP)	
788.45 MHz	FX	N0N	0.007 W (ERP)	
788.45 MHz	FX	25K0F3D	5 W (ERP)	
794-800 MHz	FX	N0N	5 W (ERP)	
794-800 MHz	FX	N0N	0.007 W (ERP)	
794-800 MHz	FX	25K0F3D	5 W (ERP)	
804.225 MHz	FX	N0N	5 W (ERP)	
804.225 MHz	FX	N0N	0.007 W (ERP)	
804.225 MHz	FX	25K0F3D	5 W (ERP)	
809-928 MHz	FX	N0N	5 W (ERP)	

Frequency Information

Litchfield (HILLSBOROUGH), NH - NL 42-48-22; WL 71-25-33

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
809-928 MHz	FX	25K0F3D	5 W (ERP)	
940.4-1200 MHz	FX	N0N	5 W (ERP)	
940.4-1200 MHz	FX	N0N	0.007 W (ERP)	
940.4-1200 MHz	FX	25K0F3D	5 W (ERP)	
1218.95 MHz	FX	N0N	5 W (ERP)	
1218.95 MHz	FX	N0N	0.007 W (ERP)	
1218.95 MHz	FX	25K0F3D	5 W (ERP)	
1243.325 MHz	FX	N0N	5 W (ERP)	
1243.325 MHz	FX	N0N	0.007 W (ERP)	
1243.325 MHz	FX	25K0F3D	5 W (ERP)	
1251-1850 MHz	FX	N0N	5 W (ERP)	

Frequency Information

Litchfield (HILLSBOROUGH), NH - NL 42-48-22; WL 71-25-33

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1251-1850 MHz	FX	25K0F3D	5 W (ERP)	
1863.555 MHz	FX	N0N	5 W (ERP)	
1863.555 MHz	FX	N0N	0.007 W (ERP)	
1863.555 MHz	FX	25K0F3D	5 W (ERP)	
1890.945 MHz	FX	N0N	5 W (ERP)	
1890.945 MHz	FX	N0N	0.007 W (ERP)	
1890.945 MHz	FX	25K0F3D	5 W (ERP)	
1909.965 MHz	FX	N0N	5 W (ERP)	
1909.965 MHz	FX	N0N	0.007 W (ERP)	
1909.965 MHz	FX	25K0F3D	5 W (ERP)	

Frequency Information

Litchfield (HILLSBOROUGH), NH - NL 42-48-22; WL 71-25-33

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1910.025 MHz	FX	N0N	5 W (ERP)	
1910.025 MHz	FX	N0N	0.007 W (ERP)	
1910.025 MHz	FX	25K0F3D	5 W (ERP)	
1918.724 MHz	FX	N0N	5 W (ERP)	
1918.724 MHz	FX	N0N	0.007 W (ERP)	
1918.724 MHz	FX	25K0F3D	5 W (ERP)	
1929.975 MHz	FX	N0N	5 W (ERP)	
1929.975 MHz	FX	N0N	0.007 W (ERP)	
1929.975 MHz	FX	25K0F3D	5 W (ERP)	
1946.925 MHz	FX	N0N	5 W (ERP)	

Frequency Information

Litchfield (HILLSBOROUGH), NH - NL 42-48-22; WL 71-25-33

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1946.925 MHz	FX	N0N	0.007 W (ERP)	
1946.925 MHz	FX	25K0F3D	5 W (ERP)	
1960.575 MHz	FX	N0N	5 W (ERP)	
1960.575 MHz	FX	N0N	0.007 W (ERP)	
1960.575 MHz	FX	25K0F3D	5 W (ERP)	
1975.545 MHz	FX	N0N	5 W (ERP)	
1975.545 MHz	FX	N0N	0.007 W (ERP)	
1975.545 MHz	FX	25K0F3D	5 W (ERP)	
1990.025 MHz	FX	N0N	5 W (ERP)	
1990.025 MHz	FX	N0N	0.007 W (ERP)	

Frequency Information

Litchfield (HILLSBOROUGH), NH - NL 42-48-22; WL 71-25-33

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1990.025 MHz	FX	25K0F3D	5 W (ERP)	
1999.8 MHz	FX	N0N	5 W (ERP)	
1999.8 MHz	FX	N0N	0.007 W (ERP)	
1999.8 MHz	FX	25K0F3D	5 W (ERP)	
2000 MHz	FX	N0N	5 W (ERP)	
2000 MHz	FX	N0N	0.007 W (ERP)	
2000 MHz	FX	25K0F3D	5 W (ERP)	
2100 MHz	FX	N0N	5 W (ERP)	
2100 MHz	FX	N0N	0.007 W (ERP)	
2100 MHz	FX	25K0F3D	5 W (ERP)	
2200-2450 MHz	FX	N0N	5 W (ERP)	

Frequency Information

Litchfield (HILLSBOROUGH), NH - NL 42-48-22; WL 71-25-33

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2200-2450 MHz	FX	25K0F3D	5 W (ERP)	
2500 MHz	FX	N0N	5 W (ERP)	
2500 MHz	FX	N0N	0.007 W (ERP)	
2500 MHz	FX	25K0F3D	5 W (ERP)	
2533.6 MHz	FX	N0N	5 W (ERP)	
2533.6 MHz	FX	N0N	0.007 W (ERP)	
2533.6 MHz	FX	25K0F3D	5 W (ERP)	
2536.225 MHz	FX	N0N	5 W (ERP)	
2536.225 MHz	FX	N0N	0.007 W (ERP)	
2536.225 MHz	FX	25K0F3D	5 W (ERP)	

Frequency Information

Litchfield (HILLSBOROUGH), NH - NL 42-48-22; WL 71-25-33

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2586.95 MHz	FX	N0N	5 W (ERP)	
2586.95 MHz	FX	N0N	0.007 W (ERP)	
2586.95 MHz	FX	25K0F3D	5 W (ERP)	
2609.6 MHz	FX	N0N	5 W (ERP)	
2609.6 MHz	FX	N0N	0.007 W (ERP)	
2609.6 MHz	FX	25K0F3D	5 W (ERP)	
2638.675 MHz	FX	N0N	5 W (ERP)	
2638.675 MHz	FX	N0N	0.007 W (ERP)	
2638.675 MHz	FX	25K0F3D	5 W (ERP)	
2655-2700 MHz	FX	N0N 25K0F3D	5 W (ERP)	

Frequency Information

Litchfield (HILLSBOROUGH), NH - NL 42-48-22; WL 71-25-33

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2745.275 MHz	FX	N0N	5 W (ERP)	
2745.275 MHz	FX	N0N	0.007 W (ERP)	
2745.275 MHz	FX	25K0F3D	5 W (ERP)	
2768.6 MHz	FX	N0N	5 W (ERP)	
2768.6 MHz	FX	N0N	0.007 W (ERP)	
2768.6 MHz	FX	25K0F3D	5 W (ERP)	
2800.175 MHz	FX	N0N	0.007 W (ERP)	
2851.6 MHz	FX	N0N	5 W (ERP)	
2851.6 MHz	FX	N0N	0.007 W (ERP)	
2851.6 MHz	FX	25K0F3D	5 W (ERP)	

Frequency Information

Litchfield (HILLSBOROUGH), NH - NL 42-48-22; WL 71-25-33

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2856.2 MHz	FX	N0N	5 W (ERP)	
2856.2 MHz	FX	N0N	0.007 W (ERP)	
2856.2 MHz	FX	25K0F3D	5 W (ERP)	
2900-4200 MHz	FX	N0N 25K0F3D	5 W (ERP)	
15150-15350 MHz	FX	21M4G7D 64M0G7D	50 W (ERP)	

MOBILE: , within 32 km, centered around NL 42-44-15; WL 71-57-59

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
14400-14830 MHz	MO	21M4G7D 64M0G7D	50 W (ERP)	

Special Conditions:

- (1) For the band 108.5-118.4 MHz only the following frequencies are approved 109.375 MHz, 111.575 MHz, 113.825 MHz, 114.950MHz, 116.100 MHz, &117.275 MHz
- (2) For the band 174-228.6 MHz, only the frequencies designated in Exhibit 3 of the application are approved.
- (3) For the band 228.8-328.6 MHz all frequencies as stated in Exhibit 3 are approved except for 244.875 MHz and 281.475 MHz which are denied.

Special Conditions:

- (4) For the band 335.4-454 MHz all frequencies as stated in Exhibit 3 are approved except for 350.350 MHz, 353.850 MHz, 380.250 MHz, and 387 MHz which are denied.
- (5) For the band 120.1-129.2 MHz all frequencies as stated in Exhibit 3 are approved except for 128.250 MHz which is denied.
- (6) For the band 129.5-135.2 MHz all frequencies as stated in Exhibit 3 are approved except for 132.150 MHz which is denied. Frequencies 129.550 MHz and 130.825 MHz must be coordinated with ARINC.
- (7) For the band 940.4-1200 MHz all frequencies as stated in Exhibit 3 are approved except for 1082.375 MHz which is denied.