

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

EXPERIMENTAL

(Nature of Service)

WD9XEY

(Call Sign)

XT MO

(Class of Station)

0098-EX-ST-2008

(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 a transmit antennas height of up to 29.25 meters above the ground, with a slightly expanded mobile area of operation of .20 km radius around the specified centerpoint.

Station Locations

- (1) MOBILE: Temporary Fixed Locations, Merrimack, NH, within 0.2 km, centered around NL 42-48-30; WL 71-29-15

Frequency Information

MOBILE: Temporary Fixed Locations, Merrimack, NH, within 0.2 km, centered around NL 42-48-30; WL 71-29-15

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1.5 MHz	MO	NON	0.061 W (ERP)	
2-5 MHz	MO	NON	5 W (ERP)	
2.9 MHz	MO	NON	0.1 W (ERP)	

This authorization effective July 01, 2008 and
will expire 3:00 A.M. EST January 02, 2009

**FEDERAL
COMMUNICATIONS
COMMISSION**



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Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
3 MHz	MO	N0N	0.1 W (ERP)	
3.4 MHz	MO	N0N	0.1 W (ERP)	
3.5 MHz	MO	N0N	0.1 W (ERP)	
4.7 MHz	MO	N0N	0.1 W (ERP)	
5-74.8 MHz	MO	N0N	5 W (ERP)	
5.6 MHz	MO	N0N	0.1 W (ERP)	
6.6 MHz	MO	N0N	0.1 W (ERP)	
11.4 MHz	MO	N0N	0.1 W (ERP)	
75.4-107.9 MHz	MO	N0N	5 W (ERP)	
109.375 MHz	MO	N0N	5 W (ERP)	

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Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
111.575 MHz	MO	N0N	5 W (ERP)	
112 MHz	MO	N0N	0.1 W (ERP)	
113.8 MHz	MO	N0N	0.1 W (ERP)	
113.825 MHz	MO	N0N	5 W (ERP)	
114.95 MHz	MO	N0N	5 W (ERP)	
116 MHz	MO	N0N	0.1 W (ERP)	
116.1 MHz	MO	N0N	5 W (ERP)	
117.275 MHz	MO	N0N	5 W (ERP)	
118 MHz	MO	N0N	0.1 W (ERP)	
119.625 MHz	MO	N0N	5 W (ERP)	

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Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
120 MHz	MO	N0N	0.1 W (ERP)	
120.825 MHz	MO	N0N	5 W (ERP)	
122.025 MHz	MO	N0N	5 W (ERP)	
123.25 MHz	MO	N0N	5 W (ERP)	
124 MHz	MO	N0N	0.1 W (ERP)	
124.475 MHz	MO	N0N	5 W (ERP)	
125.725 MHz	MO	N0N	5 W (ERP)	
126.975 MHz	MO	N0N	5 W (ERP)	
128 MHz	MO	N0N	0.1 W (ERP)	
129.55 MHz	MO	N0N	5 W (ERP)	

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Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
130 MHz	MO	N0N	0.1 W (ERP)	
130.825 MHz	MO	N0N	5 W (ERP)	
132 MHz	MO	N0N	0.1 W (ERP)	
133.475 MHz	MO	N0N	5 W (ERP)	
134 MHz	MO	N0N	0.1 W (ERP)	
134.8 MHz	MO	N0N	5 W (ERP)	
136 MHz	MO	N0N	0.1 W (ERP)	
136.15 MHz	MO	N0N	5 W (ERP)	
137.1-152.885 MHz	MO	N0N	5 W (ERP)	
153.4 MHz	MO	N0N	5 W (ERP)	

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Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
154-156.515 MHz	MO	N0N	5 W (ERP)	
156.535-156.79 MHz	MO	N0N	0.00316 W (ERP)	
156.81-161.625 MHz	MO	N0N	5 W (ERP)	
161.775-162 MHz	MO	N0N	0.00316 W (ERP)	
162.85 MHz	MO	N0N	5 W (ERP)	
164-173.6 MHz	MO	N0N	5 W (ERP)	
174-228.6 MHz	MO	N0N	5 W (ERP)	
228.8-328.6 MHz	MO	N0N	5 W (ERP)	
330.05 MHz	MO	N0N	5 W (ERP)	
333.35 MHz	MO	N0N	5 W (ERP)	

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Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
335.4-454 MHz	MO	N0N	5 W (ERP)	
456-470 MHz	MO	N0N	5 W (ERP)	
472.225 MHz	MO	N0N	5 W (ERP)	
476.95 MHz	MO	N0N	5 W (ERP)	
481.725 MHz	MO	N0N	5 W (ERP)	
486.525 MHz	MO	N0N	5 W (ERP)	
491.4 MHz	MO	N0N	5 W (ERP)	
496.3 MHz	MO	N0N	5 W (ERP)	
500-932 MHz	MO	N0N	5 W (ERP)	
933-960 MHz	MO	N0N	5 W (ERP)	

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Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
960-1200 MHz	MO	NON	5 W (ERP)	
1215-2700 MHz	MO	NON	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) 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) Restrictions still apply from previous FAA coordination for 0293-EX-PL-2007 as specified in the FAA/Arent Fox LLP correspondence dated February 7, 2008.
- (4) Operation is subject to prior coordination with local Society of Broadcast Engineers (SBE) in the following frequency bands: 450-454 MHz; 455-456 MHz; 472.225 MHz; 476.95 MHz; 481.725 MHz; 486.525 MHz; 491.4 MHz; 496.3 MHz; 500-932 MHz; 932-935 MHz; 1215-2700 MHz; 1.5 MHz; 25-27 MHz; 54-72 MHz; 75.4-107.9 MHz; 152.855-154 MHz; 156.81-161.625 MHz; 162.85 MHz; 164-173.6 MHz and 174-216 MHz.
- (5) Operation in the following frequencies requires pre-coordination with the FAA ESA Frequency Management Officer/Boston (Dave Harris): 109.375 MHz, 111.575 MHz, 113.825 MHz, 114.950 MHz, 116.100 MHz, 117.275 MHz, 119.625 MHz, 120.825 MHz, 122.025 MHz, 124.475 MHz, 125.725 MHz, 126.975 MHz, 133.475 MHz, 134.800 MHz, 136.150 MHz, 330.050 MHz and 333.350 MHz.
- (6) Operation is subject to prior coordination with ARINC for using the following frequencies: 129.550 MHz and 130.825 MHz.
- (7) The following frequencies are to be NOTCHED OUT +/- 12.5 KHz: 163.2375 MHz, 163.3625 MHz, 165.5375 MHz, 166.0125 MHz, 166.7125 MHz, 167.8625 MHz, 167.8875 MHz, 168.5250 MHz, 168.6625 MHz, 169.1875 MHz, 170.5875 MHz, 172.6875 MHz, 164.1250 MHz, 164.1500 MHz, 164.3750 MHz, 164.5750 MHz, 165.2875 MHz, 165.8750 MHz, 165.9250 MHz, 166.4625 MHz, 166.5375 MHz, 167.2125 MHz, 167.2375 MHz, 167.2625 MHz, 167.3625 MHz, 167.3875 MHz, 167.4375 MHz, 167.4875 MHz, 167.5375 MHz, 167.5625 MHz, 167.6375 MHz, 167.7125 MHz, 167.7625 MHz, 167.7875 MHz, 167.8250 MHz, 168.4250 MHz, 169.5750 MHz, 169.6250 MHz, 169.7250 MHz, 170.8750 MHz, 171.6250 MHz, 172.0750 MHz, 173.1500 MHz, 173.6875 MHz, 173.8875 MHz, 40.23 MHz, 41.97 MHz, 41.99 MHz, 45.86 MHz, 45.90 MHz, 46.65 MHz and 49.75 MHz.
- (8) The following frequencies are to be NOTCHED OUT +/- 3 KHz: 2332 kHz, 12140 kHz, 27065 kHz, 27185 kHz, 27575 kHz and 27585 kHz.

Special Conditions:

- (9) Operation is NOT allowed using the frequency band 406.1-420 MHz.
- (10) The frequency 345 MHz is to be NOTCHED OUT to protect Coast Guard operations in the area.
- (11) BAE acknowledge that the 462.95-463.175 MHz frequencies are being used for medical radio communications and shall avoid harmful interference to medical devices.
- (12) Restrictions still apply from previous FCC licenses: 0221-EX-ST-2005, 0060-EX-ST-2006, and 0168-EX-ST-2006.
- (13) This license SUPERSEDES the previous issued license with the same callsign and file number: amends the special condition.
- (14) This license SUPERSEDES the previous issued license with the same callsign and file number: change the ERP from .1 mW to .1 W under the freq. 3.4 MHz.