

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

EXPERIMENTAL

(Nature of Service)

XD MO

(Class of Station)

WC9XSB

(Call Sign)

0069-EX-ST-2008

(File Number)

NAME The Boeing Company

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:

The purpose of this operation is to test the feasibility of integrating this equipment with other systems to be used in or the U.S. Department of Homeland Security SBINet contract.

Station Locations

- (1) MOBILE: Huntsville, AL-Madison County Jetport, within 2 km, centered around NL 34-37-38; WL 86-46-36
- (2) MOBILE: Huntsville, AL -Madison County Jetport, within 2 km, centered around NL 34-37-38; WL 86-46-36

Frequency Information

MOBILE: Huntsville, AL-Madison County Jetport, within 2 km, centered around NL 34-37-38; WL 86-46-36

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
137-144 MHz	MO	2K50F2D	3.04878 W (ERP)	
148-156.2475 MHz	MO	2K50F2D	3.04878 W (ERP)	

This authorization effective March 04, 2008 and
will expire 3:00 A.M. EST September 05, 2008

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

MOBILE: Huntsville, AL-Madison County Jetport, within 2 km, centered around NL 34-37-38; WL 86-46-36

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
157.4125-161.775 MHz	MO	2K50F2D	3.04878 W (ERP)	
162.0375-174 MHz	MO	2K50F2D	3.04878 W (ERP)	

MOBILE: Huntsville, AL -Madison County Jetport, within 2 km, centered around NL 34-37-38; WL 86-46-36

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
16936 MHz	MO	41M1P0N	16506.886 W (ERP)	
16974 MHz	MO	41M1P0N	16506.88 W (ERP)	
17012 MHz	MO	41M1P0N	16506.88 W (ERP)	
17049 MHz	MO	41M1P0N	16506.88 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) Operation is subject to prior coordination with the Society of Broadcast Engineers, Inc. (SBE); ATTN: Executive Director; 9247 North Meridian Street, Suite 305; Indianapolis, IN 46260; telephone, (866) 632-4222; FAX, (317) 846-9120; e-mail, executivedir@sbe.org; information, www.sbe.org.

Special Conditions:

- (4) The following frequencies plus or minus 12.5 KHz must be notched out:

M149.0125, M149.0375, M162.3, M162.4, M162.425, M162.45, M162.475, M162.5, M162.525, M162.55, M165.7625, M162.7875, M162.875, M162.95, M163.20, M163.8125, M163.8375, M163.8625, M165.2875, M166.4625, M166.5375, M167.2375, M167.4375, M167.5375, M167.5625, M167.6125, M167.6625, M167.6875, M167.7125, M168.85, M168.975, M170.6750, M170.75, M173.6625, M173.8875

- (5) Licensee shall monitor Part 90 frequencies prior to operations for active systems and select unused frequencies in the area.
- (6) For the band 162.0375-174 MHz, only the following frequencies are authorized: M162.125; M162.1875; M163.275; M164.6; M164.8625; M165.9875; M166.6; M167.0625; M168.3; M169.1; M170.0875; M171.2375; M172.55; M173.025.
- (7) For the band 137-144 MHz and the band 148-150.8 MHz, the following frequencies are authorized: M138.2125; M138.6875; M139.1875; M140.6625; M141.4875; M142.6375; M143.5875; M150.1125; M150.4875.
The use of the band 138-144 MHz and 148-150.8 MHz frequencies need to be coordinated prior testing with:
W. David Smith
USAAMCOM/AMRDEC
Spectrum Management Office
Comm: 256-876-1688
DSN: 746-1688
- (8) No use of 137-138 MHz band due to space operations.
- (9) Stop Buzzer personnel, Bob Ferguson, cell: 256-468-2106, must be available during all testing in case testing needs to be shut down immediately.