

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

EXPERIMENTAL

(Nature of Service)

WH9XVH

(Call Sign)

XC MO

(Class of Station)

0708-EX-ST-2014

(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:

This test requirement for the BBSN IVE is to successfully log in to the BBSN network and exchange data from the on-aircraft equipment over BBSN to any node on the ground.

Station Locations

- (1) MOBILE: L-3 Mission Integration, Greenville, TX, within 926 km, centered around NL 33-04-05; WL 96-04-01

Frequency Information

MOBILE: L-3 Mission Integration, Greenville, TX, within 926 km, centered around NL 33-04-05; WL 96-04-01

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
14000-14500 MHz	MO	32M4G7W	16.038 kW (ERP)	

Special Conditions:

- (1) The station identification requirements of Section 5.115 of the Commission's Rules are waived.
- (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.

This authorization effective September 09, 2014 and
will expire 3:00 A.M. EST December 16, 2014

**FEDERAL
COMMUNICATIONS
COMMISSION**



Special Conditions:

- (3) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (4) All operations shall be on an unprotected, non-interference basis to government operations. In the event of any harmful interference, cease operations immediately and inform the Commission, in writing, immediately.
- (5) Grant of this authorization is without prejudice to any determination that the Commission may make regarding any applications requesting permanent authority for operation of the VIASAT Global Aero Terminal 5320 in the 14.0-14.5 GHz frequency band.
- (6) In accordance with Article 4.4 of the ITU Radio Regulations, the operations authorized herein shall not cause harmful interference to, and shall not claim protection from harmful interference caused by, a station operating in accordance with the provisions of the ITU Constitution, the ITU Convention, and the ITU Radio Regulations.
- (7) POINT OF COMMUNICATION: SES-1
- (8) Prior to commencement of operations with each satellite pursuant to this experimental license, Boeing shall obtain a certification regarding the notification of all satellite operators with co-frequency operations within 6 degrees longitude of each satellite, generally describing the experimental operations authorized herein, including the term thereof, and providing a point of contact for the purpose of resolving any complaints of interference. Boeing shall obtain a similar certification if, during the term of this experimental license, any of the satellites move orbit locations, or if a satellite operator commences co-frequency operations within 6 degrees longitude of each of the satellites. If the point of contact receives a complaint of harmful interference, the party receiving the complaint (if not Boeing) will notify Boeing, and Boeing shall immediately cease such operations or adjust such operations to avoid harmful interference. Boeing will submit a copy of these certification(s) to the Commission for incorporation into the record of this file.
- (9) This authorization is issued for the express purpose of conducting experimental operations described in the related application and required by the U.S Government, contract number FA4452-10-C-0002. 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.
- (10) Due to potential interference into NASA's operations, all Boeing operations must be conducted in a manner which protects NASA sites in accordance with the existing NASA-Boeing protection agreement.