

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

EXPERIMENTAL

(Nature of Service)

WC9XHF

(Call Sign)

XD MO

(Class of Station)

0540-EX-ST-2005

(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:

Testing and demonstration of mechanically steered Ku-band antenna in land mobile context.

Station Locations

(1) MOBILE: CONUS, Alaska and Hawaii

Frequency Information

MOBILE: CONUS, Alaska and Hawaii

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
14000-14500 MHz	MO	32M4G7W	19.5 kW (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.

This authorization effective September 16, 2005 and
will expire 3:00 A.M. EST March 16, 2006

**FEDERAL
COMMUNICATIONS
COMMISSION**



Special Conditions:

- (3) Prior to commencement of operations with each of Intelsat IA-6 and Intelsat IA-8 pursuant to this experimental license, Boeing shall obtain a certification from Intelsat that Intelsat has notified all satellite operators with co-frequency operations within 6 degrees longitude of each of Intelsat IA-6 and Intelsat IA-8, 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 from Intelsat if, during the term of this experimental license, Intelsat IA-6 and Intelsat IA-8 move orbit locations, or if a satellite operator commences co-frequency operations within 6 degrees longitude of each of Intelsat IA-6 and Intelsat IA-8. 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 Intelsat's certification(s) to the Commission for incorporation into the record of this file.
- (4) 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.
- (5) POINT OF COMMUNICATION: Intelsat IA-6 and Intelsat IA-8
- (6) Boeing shall comply with the protection requirements for NASA operations and Radio Astronomy operations set forth in the Order and Authorization, DA 01-3008, 16 FCC Rcd 22645 adopted December 21, 2001.
- (7) Equipment: Two (2) Seatel 2403 terminals.