

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

EXPERIMENTAL

(Nature of Service)

WF9XYG

(Call Sign)

XT MO

(Class of Station)

0646-EX-ST-2012

(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 operation is to conduct rotor testing by measuring data transmitted via Ka band links from a ground station to a satellite simulator.

Station Locations

- (1) MOBILE: Bell Helicopter Facility, Amarillo, TX, within 1 km, centered around NL 35-13-09; WL 101-42-23

Frequency Information

MOBILE: Bell Helicopter Facility, Amarillo, TX, within 1 km, centered around NL 35-13-09; WL 101-42-23

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
11-12.7 GHz	MO	NON	0.06 mW (ERP)	
13.8-14.5 GHz	MO	NON	0.06 mW (ERP)	
19.2-21.2 GHz	MO	NON	0.06 mW (ERP)	

This authorization effective August 31, 2012 and
will expire 3:00 A.M. EST January 29, 2013

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

MOBILE: Bell Helicopter Facility, Amarillo, TX, within 1 km, centered around NL 35-13-09; WL 101-42-23

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
20 GHz	MO	9M00G1D	0.06 mW (ERP)	
20.1 GHz	MO	4M50G1D	0.06 mW (ERP)	
29-31 GHz	MO	N0N	0.06 mW (ERP)	
29.7 GHz	MO	9M00G1D	0.06 mW (ERP)	

Special Conditions:

- (1) 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.
- (2) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (3) The designated point-of-contact to terminate transmission of interference occurs is Thomas Berens at 571-246-6741.
- (4) This license SUPEREDS the previous issued license with the same callsign and file number: amends the special condition.
- (5) Licensee must protect the following earth stations during testing.
 - Eastern New Mexico University, Roosevelt, NM.
 - Panhandle Telecasting Limited Partnership, Potter, TX.
 - Top Texas Educational Broadcasting Foundation, Randall, TX.
 - United Service, Potter, TX.
 - Viasat, Inc, Amarillo, NM.