

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

EXPERIMENTAL

(Nature of Service)

WH9XOG

(Call Sign)

XT FX MO

(Class of Station)

0482-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:

The purpose of the operation is to test new ADS-B Out, DO-260B Transponders.

Station Locations

- (1) Orlando (ORANGE), FL - NL 28-26-20; WL 81-19-51; MOBILE: Orlando International Airport, Orlando, FL, within 1 km, centered around NL 28-26-20; WL 81-19-51

Frequency Information

Orlando (ORANGE), FL - NL 28-26-20; WL 81-19-51; MOBILE: Orlando International Airport, Orlando, FL, within 1 km, center

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1090 MHz	FX	14M0M1D	10 mW (ERP)	
		14M0V1D		
		6M00M1D		

Special Conditions:

- (1) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.

This authorization effective August 01, 2014 and
will expire 3:00 A.M. EST October 01, 2014

**FEDERAL
COMMUNICATIONS
COMMISSION**



Special Conditions:

- (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) The frequency 1030 MHz is not authorized for this test.
- (4) Transponder antenna shall be shielded, covered with a hat, or connected to the test set via cable or into a dummy load.
- (5) ADS-B certification testing:
 - a. The aircraft transponder antennas will be shielded, covered with a hat, or the transponder must be connected to the test set via cable or connected into a dummy load.
 - b. Prior to conducting tests using the 1090 MHz, the Boeing company shall contact the Jacksonville ARTCC and the local ATCT and provide them with the test times, location, and direct phone number to stop transmission if any inadvertent interference is observed.
 - c. The test procedures will be consistent with the procedures in FAA advisory circular 20-165A.
- (6) Boeing point-of-contact is Nathan Miller, 206-544-6045.
- (7) The above conditions shall be applicable to any future locations.