

# **Boeing C-band Telemetry Development**

**The Boeing Company**

Submitted: 09/06/2012

by:

Darryl Holtmeyer

The Boeing Company

Frequency Management Services

P.O. Box 516 MC: S306-2005

ST Louis, MO 63166-0516

314-545-2503 Office

## **Why an Experimental License is Necessary**

An experimental license is required to support experimental testing and development of telemetry transmitters that will operate in the C band.

## **Test Description**

The purpose of this experiment is to demonstrate the capabilities of RF transmitting equipment to support the transfer of telemetry data in the C band. This testing will verify operations from aircraft to ground stations during actual flight test events. Operations must prove that transmissions will satisfy current flight testing requirements. This includes a range of 250 miles from the aircraft to the ground station. Various transmitters will be evaluated.

This work will support verification of the 4400-4950 MHz band allocated for telemetry use during World Radio Conference (WRC) 2007.