

CAP Test Description

Form 442 Confirmation Number: EL692668

Form 442 File Number: 0303-EX-PL-2005

The purpose of this test procedure is to verify compliance to FAA regulations for non-interference with the on-board navigation and communications equipment on aircraft with an 802.11a/b/g/ wireless computer access point installed.

We will be performing a Radiated Susceptibility test on-board a Bombardier Challenger 604 aircraft while on the ground at Outagamie County Regional Airport in Appleton, Wisconsin, USA.

The testing will be done to determine if frequencies from 2.418 GHz to 2.4835 GHz, 5.25 GHz to 5.35 GHz, and 5.725 GHz to 5.825 GHz transmitted at four (4) times the normal FCC regulated power will interfere with on-board equipment necessary for continued safe flight and landing of an aircraft.

These tests will be of short duration (minutes), and the transmitting equipment and antennas will be inside the aircraft fuselage during any transmission. The linear amps will be driven by off the shelf personal electronic devices (ie. Laptop Computers) operating on the IEEE 802.11a/b/g formats for the tests.

At no time will transmissions occur with the equipment unattended.