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From: David Wells
Date Aug. 6, 2012

Subject: Reply for - Request for Info – STA File #0535-EX-ST-2012 Reference Number 17356

In the following pages, the buildings and test area which were unclear on the originally submitted Exhibits have been highlighted. The test area is shaded in yellow, and the buildings are shaded in green.

The antenna to be used for the LLSC tests is a small man-portable dipole, which will be placed around our test aircraft located in the test area highlighted. The highest elevation that will be needed is the 7.5 Meters indicated in the application. Most locations for these tests will be below that elevation. The building elevations surrounding this test area vary between 15.2 meters, and 19.4 meters

With the runway 0.4 km from the lowest height building (15.2 meter), the building creates an angle of 1.72 degrees. For the dipole antenna to be utilized, at the maximum of 7.5 meter, creates an angle of 0.97 degrees when located at the closest line to the runway. In all requested locations, the dipole antenna would be located below the slant range to the runway – thereby shielding the dipole antenna.

Because of this, Honda Aircraft feels that the location of the dipole antenna, to be used for these LLSC tests, are not a hazard to the operation of aircraft. The dipole antenna is a small man-portable unit, and should not be considered a structure.

