

From: Robert Brock

To: Doug Young

Date: August 06, 2012

Subject: Request for Info - STA File #0535-EX-ST-2012

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Message:

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

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 indicated in the original exhibit. The highest elevation that will be needed for the dipole antenna 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.