

Government Contract

Is this authorization to be used for fulfilling the requirement of a government contract with an agency of the United States Government? If "YES", include as an exhibit a narrative statement describing the government project, agency and contract number. Yes

Program: Presidential Helicopter Replacement Program

Contract Number: N00019-14-C-005

Brief Description: The requested transmit licenses are in support of S-92 Engineering Development Model (EDM-0) Cosite Testing that is to take place at Lockheed Martin (LM) Mission Systems and Training's (MST) Direction Finding (DF) Calibration Range in Owego, NY.

Station 0

Is a directional antenna (other than radar) used? Yes

Exhibit submitted: A.H. Systems, Inc. SAS-521-2 or equivalent

(a) Width of beam in degrees at the half-power point: 82 deg in both horizontal and vertical planes

(b) Orientation in horizontal plane: Oriented pointing south

(c) Orientation in vertical plane: Oriented pointing 0 degree elevation

Station 1

Is a directional antenna (other than radar) used? Yes

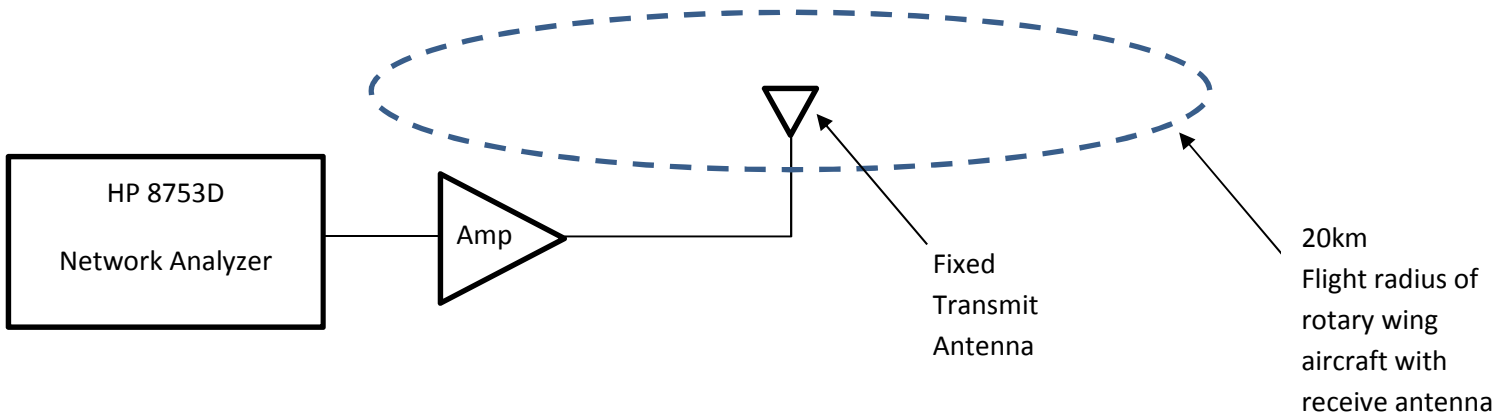
Exhibit submitted: Honeywell AMT-700 or equivalent

(a) Width of beam in degrees at the half-power point: 30 deg in both horizontal and vertical planes

(b) Orientation in horizontal plane: As installed on rotary wing aircraft

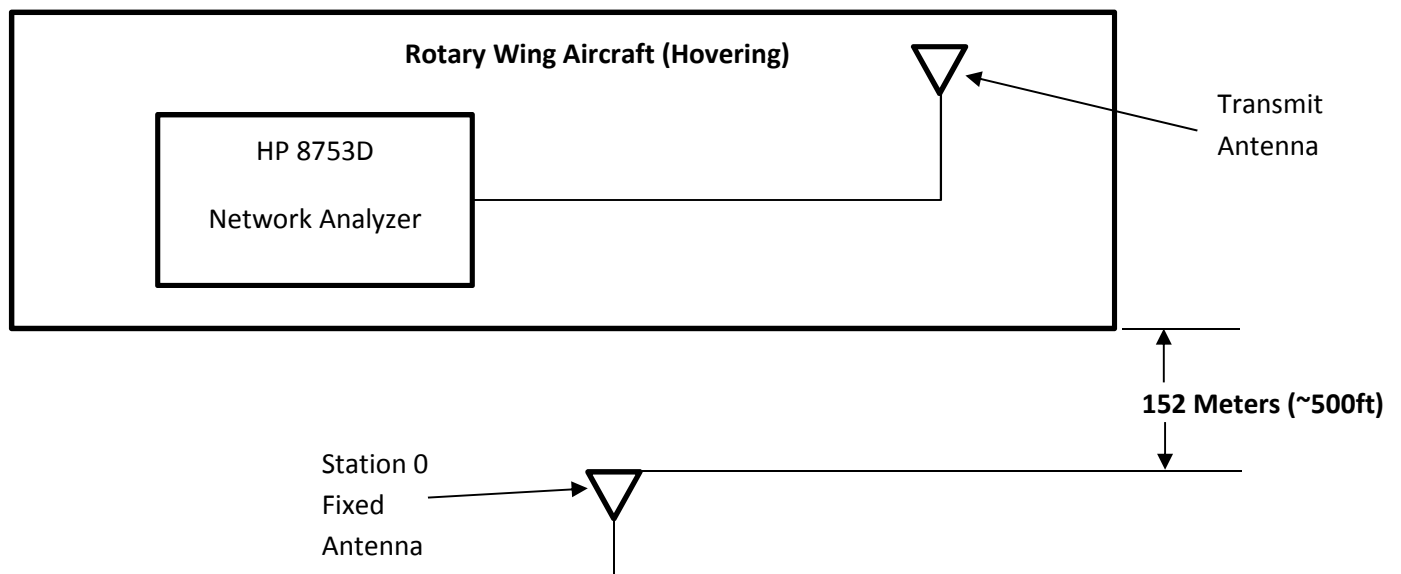
(c) Orientation in vertical plane: As installed on rotary wing aircraft

WG2XMH Station 0: Fixed Ground Antenna Test Setup Block Diagram



Station 0 consists of a fixed transmit antenna and a mobile Receive Antenna located on a rotary wing test aircraft operating within 20 km of the transmit antenna

WG2XMH Station 1: Hovering Rotary Wing Aircraft Test Setup Block Diagram



Station 1 consists of a transmit antenna and receive antenna co-located on a rotary wing test aircraft that is hovering 152 Meters (500ft) above the Fixed Transmit Antenna Site used by Station 0. The rotary wing aircraft