

GOVERNMENT PROJECT DESCRIPTION

1. The purpose of the operation is to overhaul/manufacture the Phalanx (MK15) Weapon System (Navy Contract # N00024-96-C-5431). This application is for transmitting ku band frequencies for the purpose of testing the Phalanx Radar System components. The Phalanx System contains two antennas transmitting at the same frequencies. The first antenna is a wide beam slotted array search antenna. The second is a narrow beam parabolic track antenna. The hazards due to RF radiation are as follows: Search Antenna no hazard (horizon to 72 degrees beyond 6 feet)
Track Antenna no hazard (+/- 2.6 degree cone beyond 90 feet)
exposure allowed within 90 feet but limited by time
2. The RF is transmitted on an outdoor range that was designed for this particular mode of operation. The radar system is located inside with a clear window used for RF emissions. There is RF absorber and other appropriate hardware used to ensure safe operation.

From: <Joseph_D_Clements.RCS@raytheon.com>
To: "Carl Huie" <CHUIE@fcc.gov>
Date: Mon, Aug 23, 1999 6:27 PM
Subject: Re: FCC FILE # 0183-EX-PL-1999, CONF # EL7088

Carl Turner is the Phalanx Program Manager. His phone # is 502-364-5922.

CC: ROUTE_A.GWIA1("Carlton_N_Turner.RCS@raytheon.com")