From: Fred Berrong

To: John Kennedy
Date: June 20, 2005

Subject:
FCC File # 0359-EX-ST-2005

Message:

From: Fred Berrong, Northrop Grumman Corporation
To: Generic Office of Engineering Technology
Subject: FCC File #0359-EX-ST-2005 [Reference Number: 3714]

Response to inquiry:
-peak envelope power all sites: 242W
-type of antenna all sites: ¼-Wave stub
-transmit antenna gain all sites: less than unity
-elevation above sea level of antenna site:
Site 1: Mobile airborne. Minimum operational altitude 3,050 meters, maximum 6,100 meters.
Site 2: Mobile. Elevation above sea level: 290 meters; elevation above ground level: 20 meters.
Site 3: Mobile. Elevation above sea level:290 meters; elevation above ground level: 2.5 meters.

-equipment nomenclature: 000-00-001, experimental wideband dataradio, operating at a 2M baud rate, emission designator: 3M00F7W

-Radius of operation:
Site 1: 60km
Sites 2 and 3: Fixed

Northrop Grumman Space Technology & Mission Systems Corp. (Northrop Grumman Space Technology" or "NGST) hereby requests a grant of Special Temporary Authority ("STA") to operate airborne mobile and fixed-ground experimental radio station facilities, as detailed below, for a period beginning on July 1, 2005, and ending on September 30, 2005. Northrop Grumman Space Technology requests this STA in order to test and demonstrate a Wideband Networking Waveform ("WNW") digital command and control network for a customer in support of the Airborne and Maritime/Fixed Station Joint Tactical Radio System (AMF JTRS), Contract Number: FA8709-04-C-0011.