

Northrop Grumman Systems Corporation AMT Experimental Request

Northrop Grumman employs and tests OFDM radio systems manufactured by Persistent Systems for a number of current research and development efforts. The experimental license is requested to operate this equipment on aircraft while employing a mobile ground station. Current research includes air to ground data links employing cutting edge mesh routing techniques for the purpose of developing concepts related to employing mesh networks to meet national and military needs. The ability of Northrop Grumman to employ these systems within the Aviation spectrum will enhance the public interest by permitting testing and delivery of products intended for US Government customers.

The proposed operations in the 2360-2390 MHz band will employ a mobile ground station using a 26.5 dBi antenna. Transmitter output power will be 20 watts, with an ERP of 8933 watts (or 9 KW). Aircraft will employ equipment using 20 watts output maximum and antennas with maximum gain of 6 dBi, for 80 watts ERP maximum. Flights will be within a 130 km radius of 39-00-00 N, 75-30-00 W. Stop Buzzer is Joe Nefflen (410)238-4327.

Coordination with AFTRCC has been requested.