

## **Northrop Grumman Corporation Request to Modify WD2XCR**

Northrop Grumman Corporation (NGC) is in the process of coordinating with the Federal Aviation Administration the operation requested in the attached application 0006-EX-ML-2014 to modify experimental license WD2XCR (file no. 0086-EX-RR-2013).

### **Requested Changes**

The additions and changes requested in this application are as follows.

2900 – 3100 MHz: An increase in permitted ERP from 100 kW to 90 MW and change in emission designator from 200MQ8N to 4M00Q3N are requested. NGSC has agreed with the FAA that the TPS-78 radar will blank between 45 and 250 degrees reference to true north & that the proposed system is designated for foreign sales only. (Additional evaluation and modification to the system may be required if the system is used in U.S.)

1030 MHz: (1) Replace current emission designator 12M0M1D with 8M00M1D and add 24M0M1D. (2) In the 8 MHz bandwidth mode (a) authorize use of a Pulse Repetition Rate (PRF) of 400 Hz in addition to the current PRFs of 250 Hz and 275 Hz; and authorize use of 2.0 µsec pulse width in addition to the current 0.8 µsec. (3) In the 24 MHz bandwidth mode authorize a PRF of 65 Hz and pulse widths of 0.8, 1.6, 16.25, & 30.25 µsec.

### **Foreign Government Use (Form 442 Q.5)**

The equipment to be tested under this authorization is for sale exclusively to foreign governments, including for example to Colombia, Contract No. 029/2012 RE-MDN-FAC.