

EXHIBIT 1
FCC FORM 442
ITEM 10

The Northrop Grumman Electronic Sensors and Systems Division has developed and built a synthetic aperture RADAR for use on the Tier 3 minus Unmanned Aerial Vehicle under contract with ARPA. A second Northrop Grumman-owned radar was built and is to be installed onboard a BAC1-11 testbed aircraft. This RADAR is to be used to collect data for different clutter and hard targets such as military vehicles. This data collection will be initiated at the request of various Universities and Government agencies. Prior coordination with the facilities having custody of these targets will be obtained to assure ground truth. We desire to be able to support such data collections throughout the northeast region, up to 600 miles from our home base in Baltimore, MD. Notification for these tests will be given as soon as possible, but may be as short as a few days prior to the actual flight. These tests are to be conducted over approximately 12 months. *202(d)*

The RADAR operates at Ku band (16.7GHz) and its 180 uS pulses are modulated by 640MHz linear FM at a rate of 2000 pulses per second to enable the generation of SAR images of the terrain below.