

Request for Experimental License

Northrop Grumman is contracted through IRAD to develop and test a radar system that will demonstrate the expected results of ground moving targets through foliage. This experiment utilizes a Synthetic Aperture Radar (SAR) in conditions where simultaneous radio frequency interference and terrain clutter interference are present. Testing commenced in May 2009, under STA Call Sign WB2XIY (file number 0172-EX-ST-2009).

The experimental transmissions use a Northrop Grumman radar that produces 126W peak power while operating in the 420 - 450 MHz band. The antenna gain is 11.5 dBi.

Northrop Grumman Systems Corporation currently holds experimental authority to engage in high power mobile airborne operations on these same frequencies (420-450 MHz), also under call sign WB2XIY (file number 0053-EX-RR-2009). The instant application simply requests authorization to continue operating this relatively low-powered fixed transmitter within the same geographic area.