

Northrop Grumman Systems Corporation
Application for New Experimental License

In the attached application, Northrop Grumman Systems Corporation (NGSC) applies for a new experimental license for development of a prototype 8-tile digital Active Electronically Scanned Antenna (AESA) array with ancillary equipment. This work is being performed pursuant to a contract with the U.S. Government, as indicated on the application.

Technical details: the antenna gain will vary from 15 to more than 33 dBi, depending upon frequency, and with the following characteristics:

Main beam width: 13.3° (azimuth, maximum), 105.7° (elevation, maximum)
Orientation: main beam scan 295° to 305° in azimuth
Scan rate: AESA
Polarization: H & V.