

**Northrop Grumman Systems Corporation
Application for Experimental License**

Northrop Grumman Systems Corporation (“NGSC”) submits this application for a new experimental license to test a wide-band, multi-function RF system comprised of digital AESA components (radiator, ACT module). Testing will be with only one active transmit element at a time. This is a demonstrator for mutual coupling waveforms and antenna transmit and receive functions with synchronous control from an open architecture processor. Testing will be of sub array and elemental beam forming on receive through the antenna and processor. Pulse widths will be 1us – 100 us and PRFs will be 1 kHz – 100 kHz.

Co-ordination with AFTRCC has been requested and will be submitted when received.