

**NORTHROP GRUMMAN SYSTEMS CORPORATION
APPLICATION FOR EXPERIMENTAL LICENSE**

Question 4 (directional antenna information):

Antenna is 3 different types of rectangular horns.

Antennas 1 & 2 have identical technical characteristics: Beamwidth in degrees at half-power point: 12/13; horizontal orientation, azimuth 40-220 degrees, true; elevation 5-15 degrees.

Antenna 3: Beamwidth in degrees at half-power point: 1.7; horizontal orientation, azimuth 40-220 degrees, true. Elevation 5-15 degrees.

Question 7 (experimentation description):

Northrop Grumman Systems Corporation ("NGSC") submits this application for experimental license for the purpose of supporting demonstrations of radio frequency electronic warfare (RFEW) technology. The proposed operation is similar to that authorized under an earlier-issued Special Temporary Authority, 0732-EX-ST-2012, WG9XBI.