

## Application for Conventional Experimental License

Question 4, Antenna Information. The antennas for this demonstration will be placed on the roofs of two buildings located on the Northrop Grumman campus, 1801 Grumman Place and 2010 Grumman Place, Melbourne, Florida. The antennas will be pointed at each other. The antennas are manufactured by Fairview Microwave, model WR-10 Horn Antennas. Each antenna has 20 dBi gain with a beam width of 16 degrees. Polarization will be linear.

Question 7, Description. The purpose of the operation is to test and demonstrate equipment intended for defense-related networking solutions. Specifically, the purpose is to transmit and evaluate 5G wireless communications signals as an experiment and proof-of-concept for developing future 5G communications networks. Tests and demonstrations will be limited to using building rooftops on the Northrop Grumman Melbourne campus.