



Form 442 File Number: 0287-EX-PL-2005

**EXHIBIT #1: DESCRIPTION OF RESEARCH PROJECT**

Blue Origin is a small aerospace research and development company based in Seattle, Washington, that is developing commercial launch vehicle technology. The desired FCC license applies to the telemetry downlink for an autonomous low-speed, low-altitude aerial vehicle that is being built by Blue Origin. This vehicle will be operated out of our private facility near Van Horn, Texas. The aerial vehicle will have a digital telemetry downlink that operates at a bit rate of approximately two million symbols per second, with a modulation type of frequency shift keying. The analog bandwidth for this telemetry downlink is approximately 1.5 MHz. The aerial vehicle will reach an altitude of approximately 1500 feet AGL, and it will communicate with the operations control center that is located approximately 5 miles away. The transmit EIRP of the aerial vehicle will not exceed 0 dBW.