Blue Origin

EXHIBIT #2:

Blue Origin, LLC

DATE: 31 May 2007

FRN: 0014079669

RELEVANT APPLICATIONS: 0265-EX-PL-2007, 0266-EX-PL-2007

Application for New Experimental Radio Station Authorization (FCC Form 442)

DESCRIPTION OF DIRECTIONAL ANTENNA OPERATION

The transmit signal for the New Shepard command uplink at 2069.1 MHz is sent by a 4-foot tracking parabolic dish antenna. At 2069.1 MHz, the beamwidth of this antenna is eight degrees. For a given flight, the antenna will be located within 24 miles of the launch pad, which is at 31 25' 22.99" N, 104 45' 26.01" W. The parabolic dish antenna will slew during the flight in order to track the current location of the vehicle. Therefore, the orientation of the antenna throughout the flight of the vehicle will vary depending on its location.

One of two sets of transmit antennas for the New Shepard Thrust Termination System will be located at the same place as the 4-foot tracking parabolic dish antenna. One of the thrust termination uplink antennas at this location will be omni-directional, while the second, low-gain antenna will have a beamwidth of 50 degrees. The orientation of the low-gain antenna will be fixed prior to the flight in order to locate the vehicle within the antenna beam at apogee. Therefore, the orientation of the antenna will vary depending on its location.