

Question 4: Directional Antenna Parameters

In this and related applications, Bigelow Aerospace seeks to add to its testing program an additional ground uplink station at Loring Air Force Base in Maine using the VHF band at 145.84 MHz and 145.86 MHz and the UHF band at 402.4-403 MHz. This will be a directionalized tracking antenna used for command and control of the Genesis 1 and Genesis 2 spacecraft. The antennas will employ circular polarization and variable reactance modulation. The beamwidth at the half power point will be 52 degrees. Additional technical parameters are provided on FCC Form 442. Antenna patterns are included in the original experimental license application for this call sign.