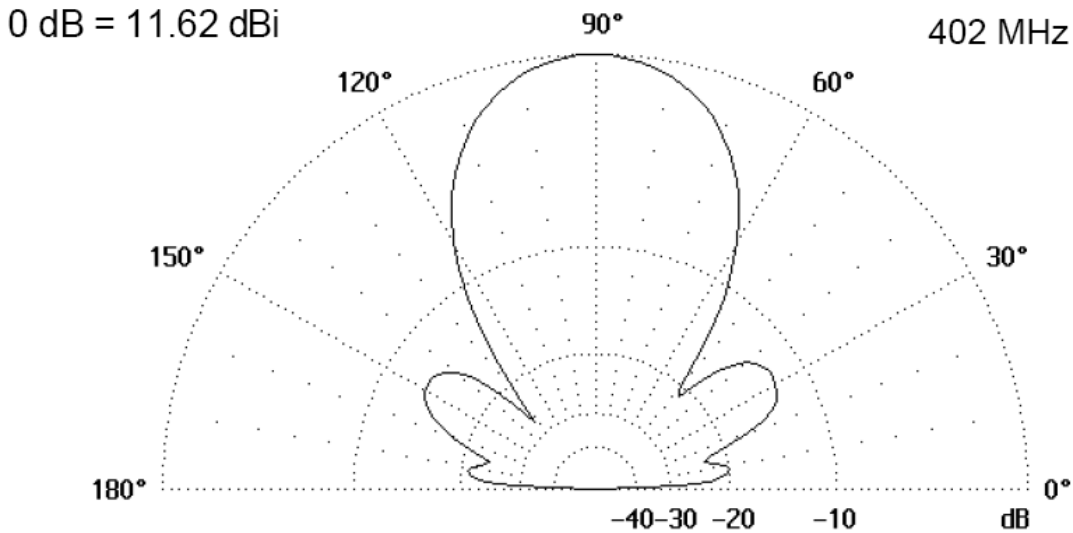


Antenna Information

Bigelow Aerospace (“BA”) seeks to add additional ground uplink stations in both the UHF band (35 kHz at 402.4-403 MHz, with companion receive channel at 401-401.7 MHz) and the VHF band (145.84 MHz and 145.86 MHz) at North Pole, Alaska and Naalehu, Hawaii. These antennas will be directionalized tracking antennas used for command and control of the Genesis spacecraft, and for receipt in the UHF band of telemetry and spacecraft health data. The VHF antennas will employ circular polarization and variable reactance modulation. The beamwidth at the half power point will be 52 degrees. Additional technical parameters for both antennas are provided on FCC Form 442 and in Exhibits A and B to BA’s original Experimental License Application (FCC File No. 0264-EX-PL-2004; Call Sign WD2XND). The antenna pattern for the UHF antenna is depicted in the figure below:



Earth Station UHF Transmit/Receive Antenna for North Pole, Alaska and Naalehu, Hawaii