EXHIBIT 5K: BACK-UP COMMAND BEAM
[BICONE/OMNI ANTENNA]

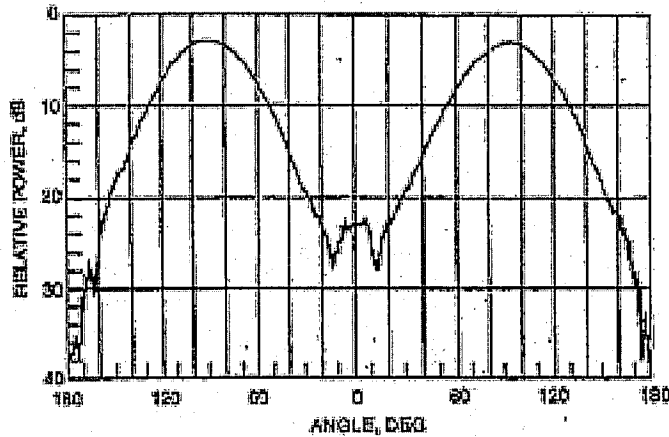Beam Polarization: Right Hand Circular
Peak Antenna Gain: -2.3 dBi
Peak G/T: -35.6 dB/K
Command Threshold Flux Density at Peak G/T: -89.7 dBW/m^2
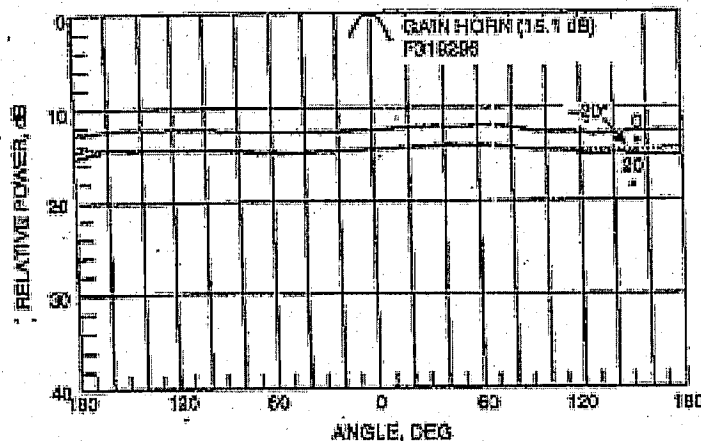(Schedule S Beam Designation: CMDO)

(a) Elevation Cut Antenna Gain Pattern

Notes:
1) Gain variation in elevation shown for the azimuth angle of 0°.
2) The x-axis represents the elevation angle and spans from -180° to +180°. Each major axis division line represents 20° of elevation.
3) The y-axis represents the antenna gain. Each major axis division line represents 2 dB of gain.

(b) Azumuth Cut Antenna Gain Pattern

Notes:
1) Gain variation in azimuth shown for elevation angles of 0° and ±20°.
2) The x-axis represents the azimuth angle and spans from -180° to +180°. Each major axis division line represents 20° of azimuth.
3) The y-axis represents the antenna gain. Each major axis division line represents 2 dB of gain.