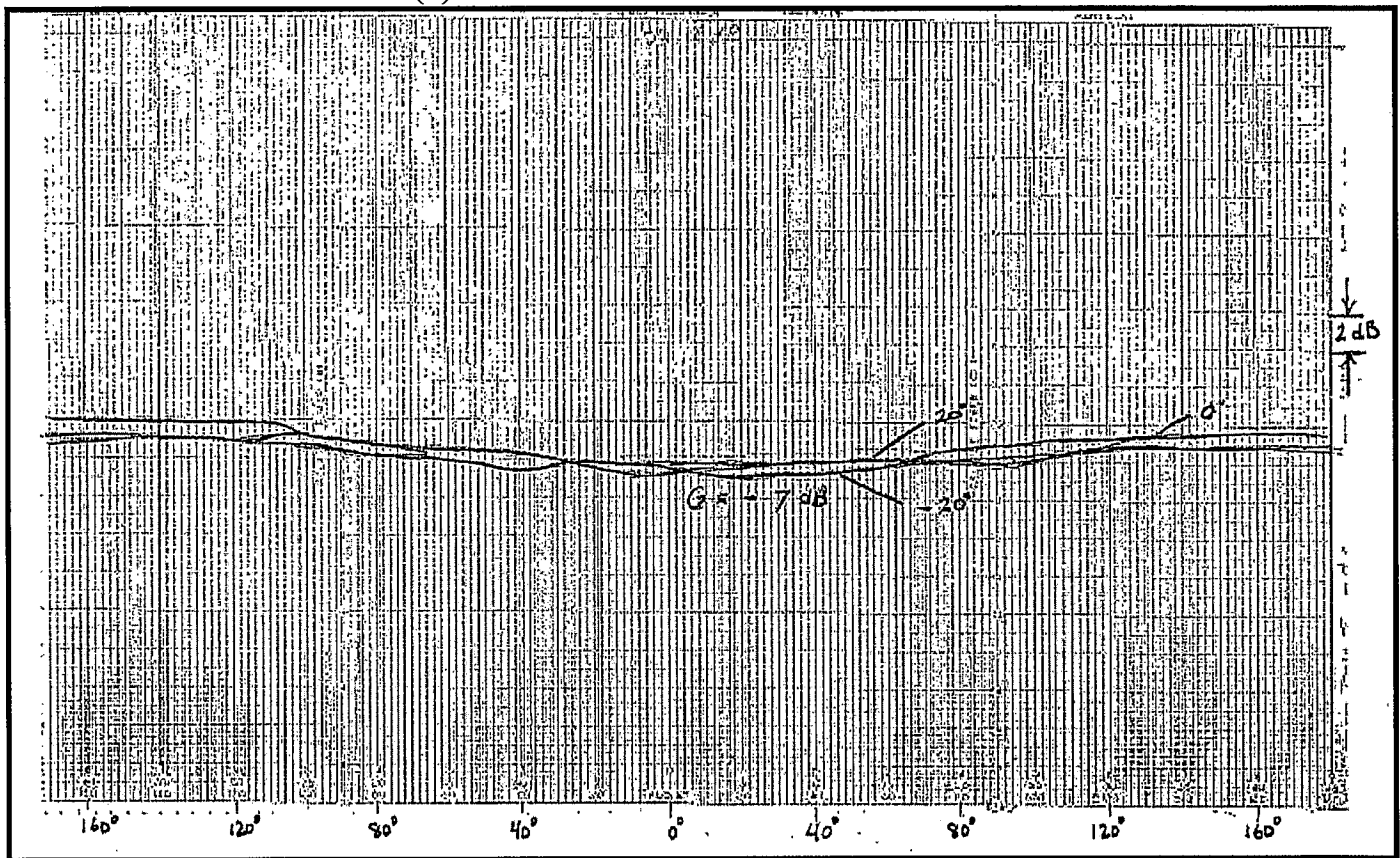


EXHIBIT 5K: BACK-UP COMMAND BEAM

Beam Polarization: Right Hand Circular
Peak Antenna Gain: 2.2 dBi
Peak G/T: -27.4 dB/K
Command Threshold Flux Density at Peak G/T: -89.2 dBW/m²
(Schedule S Beam Designations: CMDDB)

(a) Azimuth 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.

EXHIBIT 5K: BACK-UP COMMAND BEAM (continued)

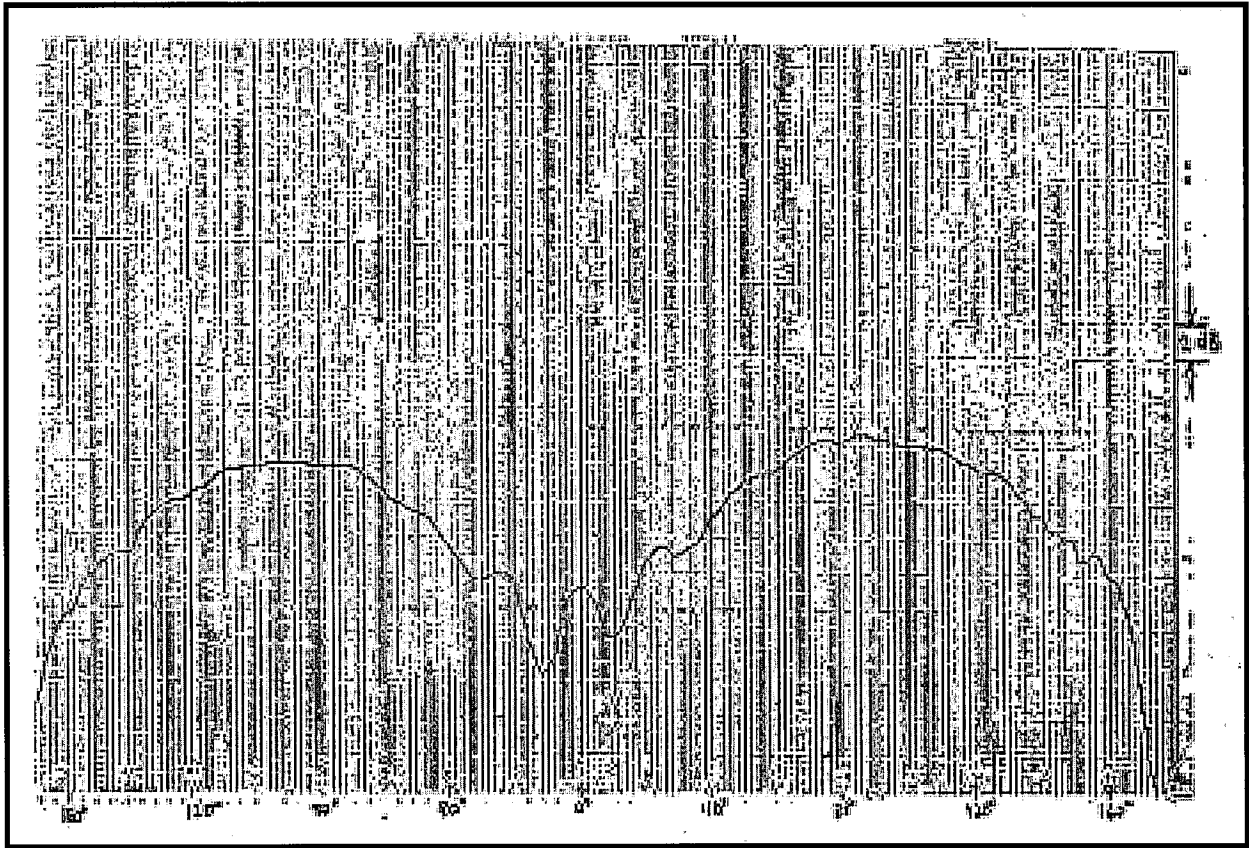
Beam Polarization: Right Hand Circular

Peak Antenna Gain: 2.2 dBi

Peak G/T: -27.4 dB/K

Command Threshold Flux Density at Peak G/T: -89.2 dBW/m²
(Schedule S Beam Designations: CMDDB)

(b) 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.