

Directional Antenna Data

(a) Width of beam in degrees at the half-power point:

	HORIZONTAL	VERTICAL
Frequency (MHz)	HPBW (degrees)	HPBW (degrees)
4000.0000	2.0730	1.0365
8000.0000	1.0366	0.5183

(b) Orientation in horizontal plane: **146-deg 56-min southeast of north** (See attached document: **horizontal_drawing_20110719.jpg**)

(c) Orientation in vertical plane: **0.0-deg elevation (parallel to ground-reflection plane)** at height of **1.272-m** (See attached document: **vertical_drawing_C_20110718.jpg**)