

X Band Directional Antenna

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

	HORIZONTAL	VERTICAL
Frequency (MHz)	HPBW (degrees)	HPBW (degrees)
8000.0000	1.3937	0.6969
12000.0000	0.9292	0.4646

(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 0.621-m (See attached document: vertical_drawing_X_20110718.jpg)