

COMMUNICATIONS DATA SHEET 507

GAINS NORMALLY ACHIEVED BY AERIALS FOR VARIOUS FREQUENCY BANDS

Aerial Type	2 GHz Band		7 GHz Band		11 GHz Band	
	Gain	Total Beamwidth	Gain	Total Beamwidth	Gain	Total Beamwidth
2 ft. Dish	19 dB	18°	31 dB	4.5°	34 dB	2.8°
3 ft. Dish	22.5 dB	14°	34.5 dB	3.5°	-	-
4 ft. Dish	25 dB	9°	37 dB	2.25°	40 dB	1.4°
7" x 5" Horn	-	-	18 dB	20°	-	-
Large Horn	13 dB	36°	22 dB	9°	-	-
Slot Array	6 dB	Omni-directional 30° vertical	-	-	-	-
Dipole with Plane Reflector	5 dB	Cardioid pattern	-	-	-	-
60° Corner Reflector	10 dB	40° in plane through centre of aerial perpendicular to dipole axis	-	-	-	-