



## ELECTRICAL PERFORMANCE CHARACTERISTICS

PARAMETER	1375 MHz	1350-1400 MHz	1400-1450 MHz
POLARIZATION	Vertical	Vertical	Vertical
IMPEDANCE	50 Ω	50 Ω	50 Ω
VSWR	1.3:1 max	1.5:1 max	1.8:1 max
AZIMUTH COVERAGE	Circular ± 5 dB	Circular ± 5 dB	Circular ± 5 dB
GAIN (main lobe)	+6 dBi	+6 dBi	+6 dBi
POWER HANDLING CAPABILITY	125 W min.	125 W min.	125 W min.
DUTY FACTOR	50% minimum over 1 Minute	50% minimum over 1 Minute	50% minimum over 1 Minute
VERTICAL COVERAGE			
HALF POWER BANDWIDTH	16° min	14° min	13° min
BEAM TILT ABOVE HORIZON	8° ± 1°	8° ± 2°	10° ± 2°
NULL FILL, 1ST AND 2ND NULL ABOVE HORIZON	to -5 dBi	to -8 dBi	to -12 dBi
RADIATION PATTERN			
0° TO 13° ELEVATION	+3 dBi		
13° TO 30° ELEVATION	-5 dBi		
30° TO 60° ELEVATION	-10 dBi		
60° TO 75° ELEVATION	-15 dBi		
75° TO 90° ELEVATION	-30 dBi		