



## 4.2, 4.5 & 5.0 Meter Prime Focus Receive Only Antennas



- Prime Focus Aluminum Reflectors
- Reflector Sizes: 4.2 Meter  
4.5 Meter  
5.0 Meter
- Superior Surface Accuracy
- Mount Options:
  - Fixed Az/EI Mount
  - Heavy Duty Polar Mount
  - Dual Axis Motorized Mount
  - Horizon to Horizon Mount (160° travel)

Antenna Size	DH42FAE 4.2 Meter		DH45PLR 4.5 Meter		DH50PLR 5.0 Meter	
Electrical Specifications	C BAND	KU-BAND	C BAND	KU-BAND	C BAND	KU-BAND
Operating Frequency (GHz)	3.7 – 4.2	10.95 -12.75	3.7 – 4.2	10.95 -12.75	3.7 – 4.2	10.95 -12.75
Midband Gain (± .5dB)	43.5 dBi	53.0 dBi	43.9 dBi	53.3 dBi	44.3 dBi	54.2 dBi
3dB Beamwidth	1.2°	.4°	1.1°	.35°	1.05°	.33°
Feed Interface	CPR 229F	WR 75	CPR 229F	WR 75	CPR 229F	WR 75
Mechanical Specifications						
Reflector Material	Aluminum – 1 Piece					
Antenna Optics	Prime Focus, Axisymmetric					
Mast Pipe Size	5 1/2" OD		NA		NA	
F/D Ratio / Focal Length	.34 / 57.6"		.33 / 57.6"		.3 / 57.6"	
Mount Options						
Az EI Mount	Fixed Az/EI Adjustment					
Dual Axis Mount (motorized or fixed)	200° of Azimuth Travel, 0 – 90° Elevation Travel					
Polar Mount	110° of Travel, Locking Bar Option					
Horizon to Horizon	160° of Travel, Motorized Declination Available					
Environmental Specifications						
Wind Load						
Survival	125 mph (201 km/h)					
Operational @ 4 GHz	65 mph (105 km/h)					
Operational @ 12 GHz	55 mph (88 km/h)					