



**Reconditioned 6.15M Vertex 4-Port Feed  
Serial #: 95-0001**

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Antenna Diameter	6.15M (242 inches)
Antenna Optics:	Cassegrain dual reflector
Feed Type:	Corrugated conical horn
Reflector Construction:	16 panels, precision stretch formed steel
Mount Configuration:	Elevation over azimuth
VSWR	1.3:1 max
Gain at Midband (referenced to OMT port)	
Ku-band	
Transmit (14.25 GHz)	57.1 dBi
Receive ( 11.95 GHz)	55.9 dBi
Half Power Beamwidth (nominal)	
Ku-band	
Transmit (14.25 GHz)	0.25 dBi
Receive (11.95 GHz)	0.30 dBi



Radiation Pattern Sidelobe Envelope (Per FCC and CCIR)

Envelope Defined By:  $29 - 25 \log 0 \text{ dBi}$ ,  $1^\circ \leq \theta \leq 7^\circ$   
 $8 \text{ dBi}$ ,  $7^\circ < \theta \leq 9.20^\circ$

At least 90% sidelobes less than:  $29 - 25 \log 0 \text{ dBi}$ ,  $9.2^\circ < \theta \leq 20^\circ$   
less than:  $32 - 25 \log 0 \text{ dBi}$ ,  $20^\circ < \theta \leq 48^\circ$   
 $-10 \text{ dBi}$ ,  $48^\circ < \theta \leq 180^\circ$

Antenna Noise Temperature (referenced to OMT)

Ku-band (11.95 GHz)

Elevation	Temperature (K)
5°	70
10°	55
20°	40
40°	37
60°	35

Estimated Shipping Information:

Shipping weight      6000 lbs (2721 kg) (approximate)  
Net weight:            4000 lbs (1814 kg)  
Shipping volume:      500 ft<sup>3</sup> (14m<sup>3</sup>)

**Engineered non-penetrating ballast weight mount also available.**

**Please call for pricing & payment options.  
Temporary lease options available.  
Custom integrated packages available upon request.  
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