



LS 2400 2.4 Meter Satellite Earth Station Antennas

C Band & KU Band



- ✓ Aluminum spun system one piece reflector
- ✓ Parabolik Prime Focus
- ✓ AZ/EL or Polar Mount
- ✓ Easy Installation

Electronic Performance Specifications

Frequency	3.7.....4.2 Ghz	10.95.....12.2 Ghz
Gain At Midband	38 db	46 db
WSWR	1.25.1	1.25.1
Beamwidth -3db	1.20	0.60
<u>Antenna Noise Temperature</u>		
10° Elevation	47° K	67° K
20° Elevation	41° K	58° K
40° Elevation	25° K	53° K
<u>Sidelobe Pattern</u>		
<u>Performance</u>		
1st Sidelobe	-14 db	-14 db
Antenna F/D Ratio	0.36	0.36

Mechanical Product Specifications

Reflector Material	Aluminium Thickness 3mm
Azimuth Travel	360° Continuous
Elevation Travel	5° to 70° Continuous
Surface Accuracy	0.3 mm Reflector
Weight Reflector	41 Kg
Weight Pedestal	53 Kg
Operation Wind Speed	120 Kmh
Reflector Surface	Color White Polyamid Paint
Pedestal	Hot Galvanized
Foundation Sizes	100 * 100 * 30 cm
Concrete Volume	0.3 m ³
Reinforcing Steel	7 Kg

Laser LS 2400

2.4 meter Satellite Earth Station Antenna is 3 mm thickness and 1100 quality produced with special quality aluminium and Spun system machinery is used for production.

Dish is made of one piece. Because the antenna doesn't create any transportation problems because of its size, it can be transported to the desired location easily.

One piece dish works at higher performance and is ideal for easy installation.

- ✓ Our Antennas' stand, AZ/EL or Polar Mounts are hot galvanized.
- ✓ The finalized dish is special polyamide paint.

Feed Horn Mount

Focal Point 91.4 cm.



Antenna Focal Adjustment

2.4 meter Antenna focal length is 91.4 cm. Adjust the Feed Horn to 91.4 cm. with 3 units screws located in the center of the Feed Horn Mount



picture 4

AZ/EL Mount



Picture 5



Picture 6

Installed AZ/EL in Dish



Picture 7

- ✓ One of the connection units at the ring at the back of the dish is numbered.
- ✓ The same number is also at the side of the dish.
- ✓ Both numbers should be aligned at the same level during installation.

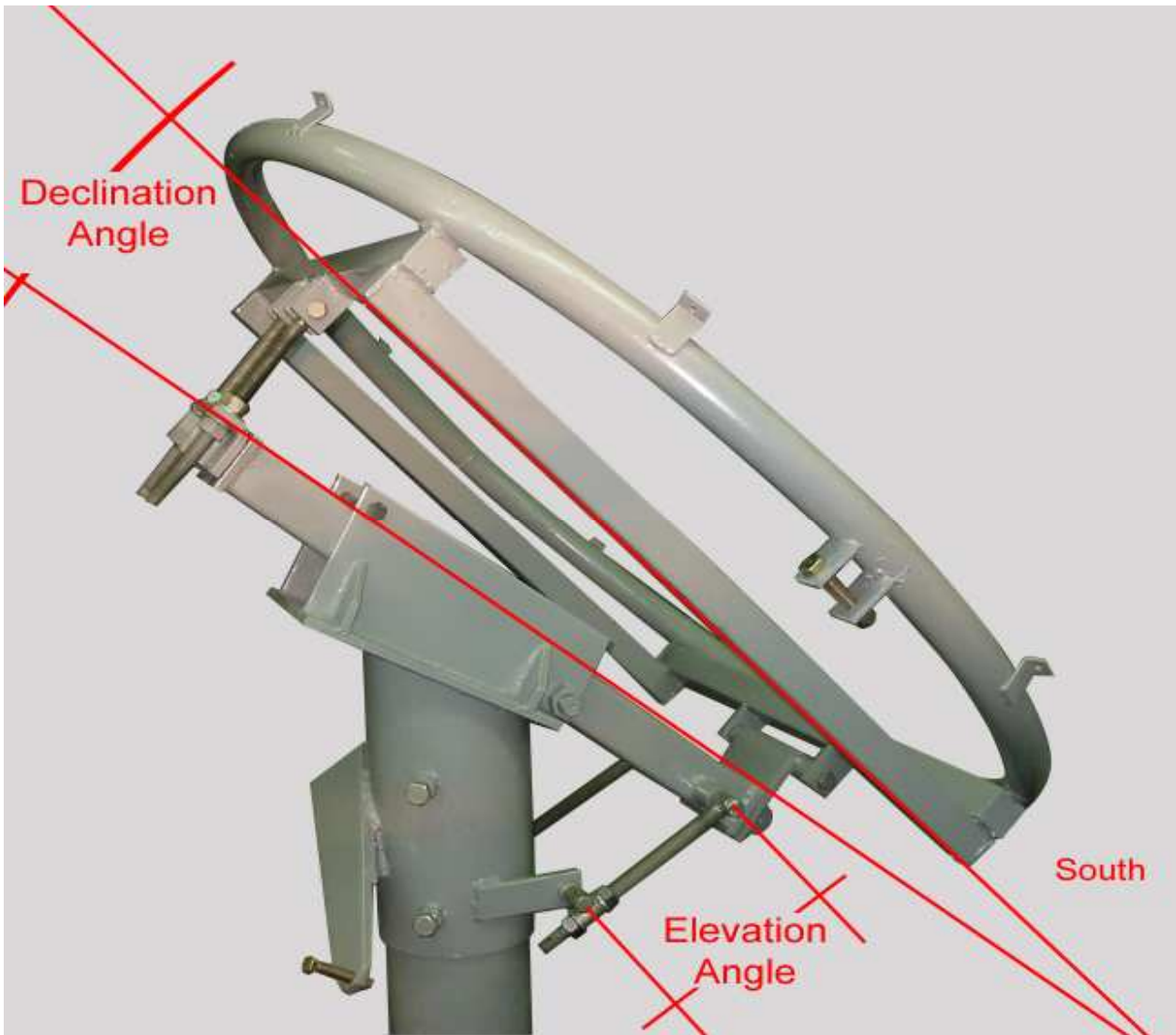
Antenna Dish Test

- ✓ Before installation lay down the dish and with four people pull tight good quality thin rope from four ends as demonstrated in the picture.
- ✓ The ropes should touch each other comfortably at the crossing point. In case one of the ropes is higher than the other then correct dish by pushing slightly from opposite sides.
- ✓ Apply same procedure from a number of different points.
- ✓ For the best result you should apply this procedure most correctly.



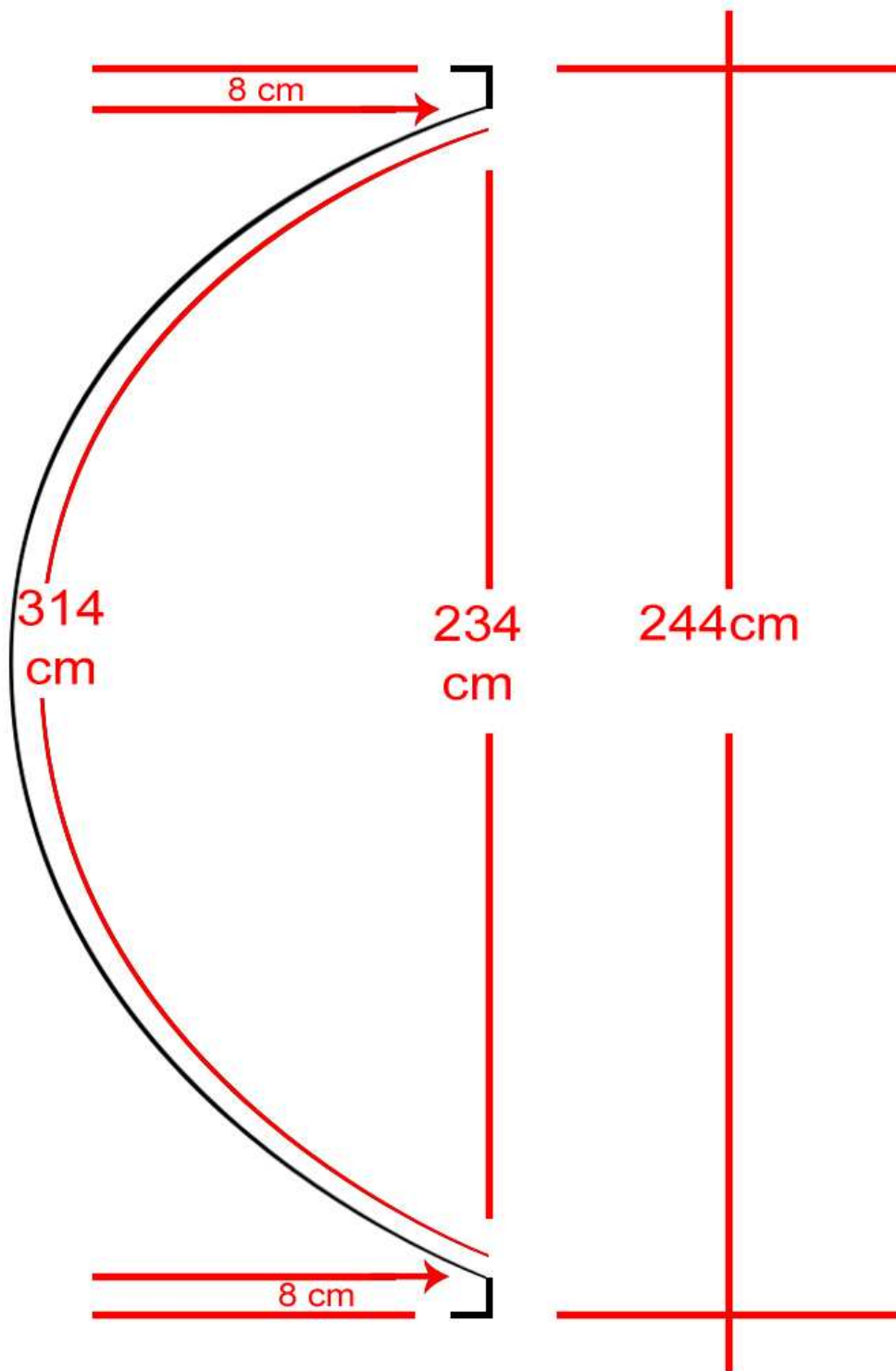
Picture 8

Polar Mount



Picture 9

2.4 Meter Dish sizes





Laser Elektronik Ayazađa Factory

LASER ELEKTRONİK SAN. TİC. LTD. ŐTİ.

Head Office

Sıraselviler Cad. Hocasade Sok. No:20 Taksim / İstanbul
Tel: +90 (212) 249 56 72 Fax: +90 (212) 251 92 74

Factory

Ayazađa Cendere mevkii. Kemberburgaz yolu üzeri. No:39
Tel: +90 (212) 289 09 58 Fax: +90 (212) 289 09 56

laserltd@hotmail.com

