COMMUNICATION LTD.

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
Antenna Noise Temperature		
10° Elevation	47° K	67° K
20° Elevation	41° K	58° K
40° Elevation	25° K	53° K
Sidelobe Pattern Performance		
1st Sidelabe	-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
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.

Feed Horn Mount

Focal Point 91.4 cm.

Picture 1

Picture 2

picture 3

Antenna Focal Adjustment

2 meter Antenna focal length is 60 cm. Adjust the Feed Horn to 60 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

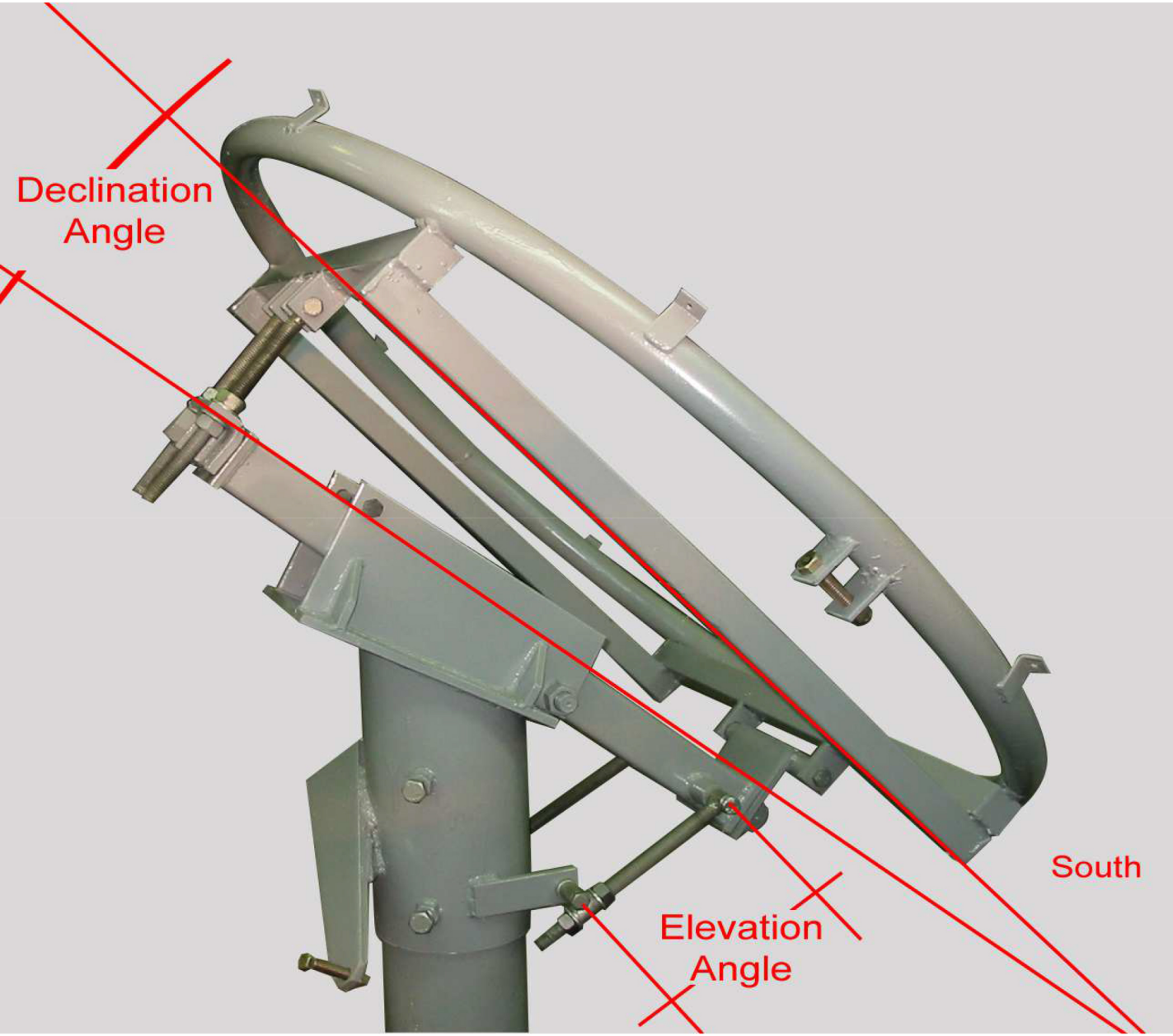
- ✓ One of the connection units at the ring at the back of the dish is numbered.
- ✓ The same number is also at the side of the dish.
- ✓ Both numbers should be aligned at the same level during installation.

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.

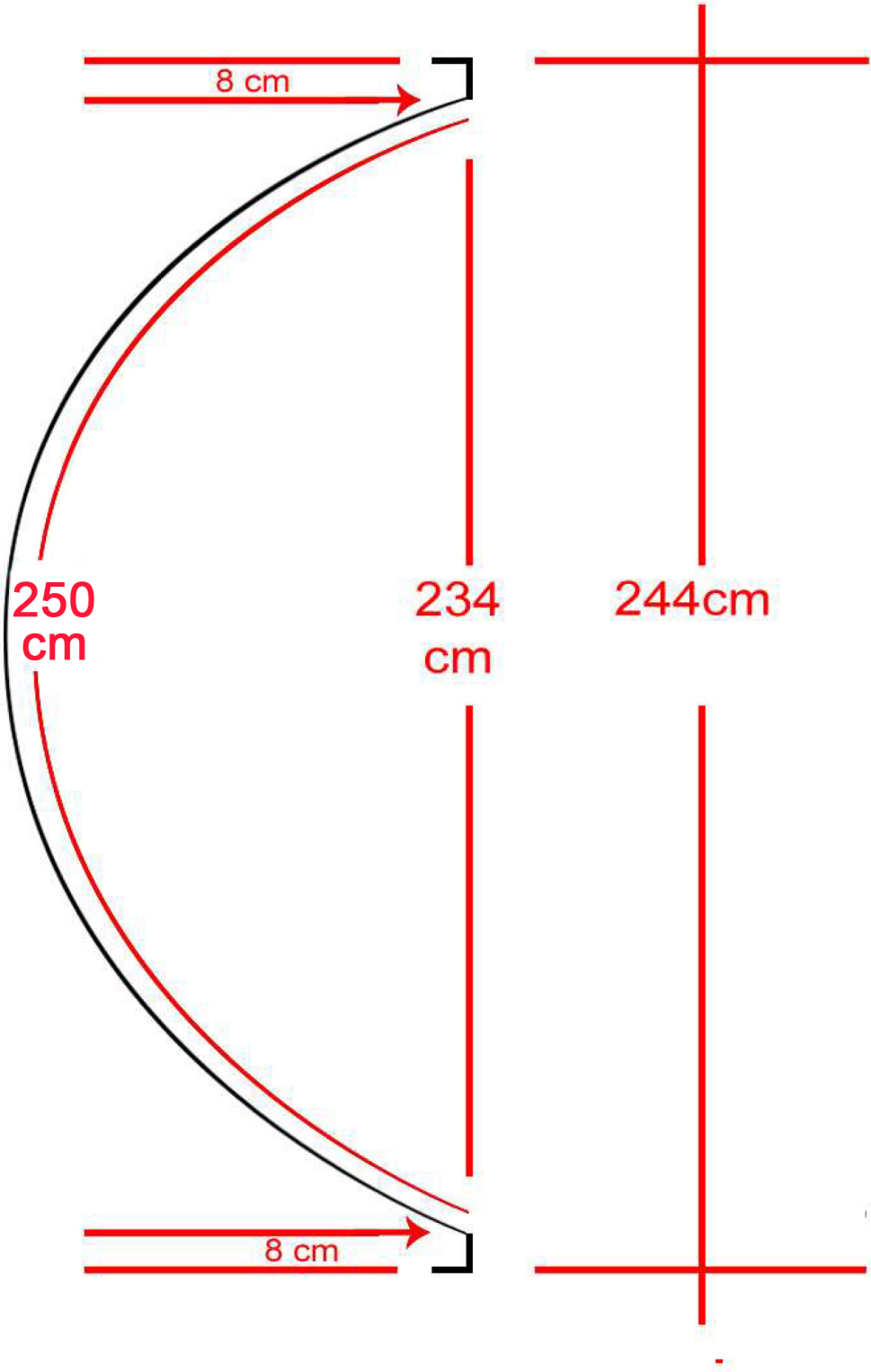
Picture 8

Polar Mount



Picture 9

2.4 Meter Dish sizes



Laser Elektronik Ayazağa Factory

LASER ELEKTRONİK SAN. TİC. LTD. ŞTİ.

HEAD OFFICE

Teşvikiye Fırın Sokak Kadem Emiroğlu iş Merkezi No: 22 D:10 Teşvikiye İstanbul
Tel: +90 (212) 249 56 72 Fax: +90 (212) 251 92 74

FACTORY

Kemerburgaz Yolu Caddesi No: 47 - 49 Ayazağa İstanbul
Tel: +90 (212) 289 09 58

http://www.laserelektronik.org

contact@laserelektronik.org

laserelektronik.ltd@gmail.com