

|                        |                        |
|------------------------|------------------------|
| Frequency Range        | 4x1710-2690            |
| Polarization           | ±45°                   |
| Horizontal Beam Center | -48°, -14°, +14°, +48° |
| Half-Power Beam Width  | 15°                    |

Single Band Spherical 4x1710-2690 20dBi, 4 beam, 15-degree Antenna

### Electrical Specifications

|                                     |                   |
|-------------------------------------|-------------------|
| Frequency range (MHz)               | c                 |
| Polarization                        | ±45               |
| Gain (dBi)                          | 20±1              |
| Sidelobe Suppression (dB)           | ≥15               |
| Horizontal Plane 3dB Beamwidth (°)  | 15±4              |
| Horizontal Plane 10dB Beamwidth (°) | 28±3              |
| Vertical Plane 3dB Beamwidth (°)    | 15±4              |
| Vertical Plane 10dB Beamwidth (°)   | 28±3              |
| Horizontal beam centers (°)         | -48, -14, 14, +48 |
| Beam Quantity                       | 4                 |
| VSWR                                | ≤1.5              |
| Isolation Between Polarization (dB) | ≥25               |
| Isolation Between Beam port(dB)     | ≥23               |
| Front to Back Ratio (dB)            | ≥25               |
| Intermodulation IM3 dBc (2×43dBm)   | ≤-150             |
| Power Rating (W)                    | 8 x 80W           |
| Input Impedance (Ω)                 | 50                |
| Lighting Protection                 | DC Ground         |

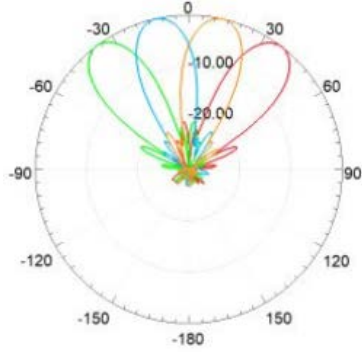


### Mechanical Specifications

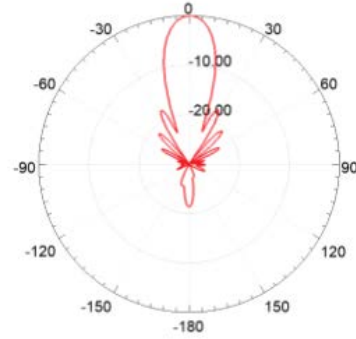
|                                 |                         |
|---------------------------------|-------------------------|
| Radome Material                 | ASA                     |
| Connector Type and Location     | 4.3-10 Female x8 Bottom |
| Mechanical Downtilt (°)         | 0-20                    |
| Dimensions, HxWxD (mm)          | 690×645×645             |
| Packing Size (mm)               | 825×730×860             |
| Net Weight (Kg)                 | 15.2                    |
| Gross Weight (Kg)               | 28.8                    |
| Clip Weight (Kg)                | 5.8                     |
| Max. Wind Velocity(m/s)         | 55                      |
| Mounting hardware Diameter (mm) | ∅ 40 mm ~ ∅ 114 mm      |
| Operational Temperature(°C)     | -40 to +70              |
| Operational Humidity (%)        | <95                     |

|                        |                                              |
|------------------------|----------------------------------------------|
| Frequency Range        | 4x1710-2690                                  |
| Polarization           | $\pm 45^\circ$                               |
| Horizontal Beam Center | $-48^\circ, -14^\circ, +14^\circ, +48^\circ$ |
| Half-Power Beam Width  | $15^\circ$                                   |

Radiation Pattern (1710 -2690 MHz)



Horizontal Pattern



Vertical Pattern