

|                        |             |
|------------------------|-------------|
| Frequency Range        | 2x1710-2690 |
| Polarization           | ±45°        |
| Horizontal Beam Center | -29°, +29°  |
| Half-Power Beam Width  | 30°         |

Single Band Cylinder 2x1710-2690 20dBi, 2 beam, 30-degree Antenna

### Electrical Specifications

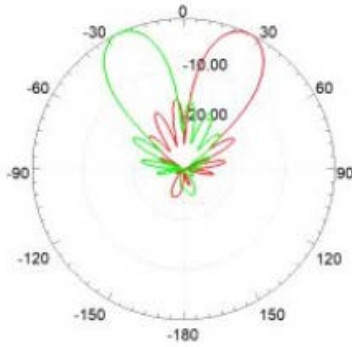
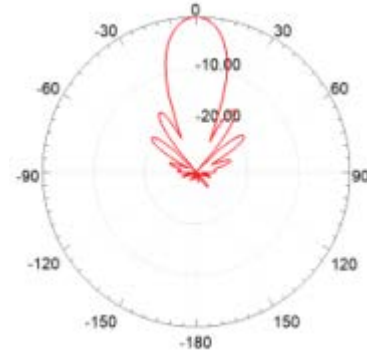
| Frequency range (MHz)               | 2x1710-2690 |           |
|-------------------------------------|-------------|-----------|
|                                     | 1710-2200   | 2200-2690 |
| Polarization                        | ±45         |           |
| Gain (dBi)                          | 15 ±1       | 17 ±1     |
| Sidelobe Suppression (dB)           | 13          | 13        |
| Horizontal Plane 3dB Beamwidth (°)  | 28±4        | 23±3      |
| Horizontal Plane 10dB Beamwidth (°) | 47±5        | 39±3      |
| Vertical Plane 3dB Beamwidth (°)    | 26±4        | 23±3      |
| Vertical Plane 10dB Beamwidth (°)   | 46±5        | 39±4      |
| Horizontal beam centers (°)         | -29, +29    |           |
| Beam Quantity                       | 2           |           |
| 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)                    | 4 x 180W    |           |
| Input Impedance (Ω)                 | 50          |           |
| Lighting Protection                 | DC Ground   |           |



### Mechanical Specifications

|                                 |                         |
|---------------------------------|-------------------------|
| Radome Material                 | UPVC                    |
| Connector Type and Location     | 4.3-10 Female x4 Bottom |
| Mechanical Downtilt (°)         | 0-20                    |
| Dimensions, HxWxD (mm)          | 394×400×400             |
| Packing Size (mm)               | 620×515×515             |
| Net Weight (Kg)                 | 4.15                    |
| Gross Weight (Kg)               | 13                      |
| Clip Weight (Kg)                | 2.8                     |
| Max. Wind Velocity(m/s)         | 55                      |
| Mounting hardware Diameter (mm) | φ 40 mm ~ φ 114 mm      |
| Operational Temperature(°C)     | -40 to +70              |
| Operational Humidity (%)        | <95                     |

## Radiation Pattern (1710 -2690 MHz)

Horizontal PatternVertical Pattern