

1.2 Meter VSAT Antenna

Specifications

- 1) Single aluminum reflector
- 2) Both available are C-band and Ku-Band
- 3) Both available are linear polarization and circular polarization
- 4) Well in anti-corrosion
- 5) Strong in stability
- 6) Tailored product

| SPECIFICATIONS | 1.2 meter Offset VSAT Antenna | | | |
|---------------------------------------|--|------------|-------------|-------------|
| | C-RECEIVE | C-TRANSMIT | Ku-RECEIVE | Ku-TRANSMIT |
| Frequency (GHz) | 3.4-4.2 | 5.85-6.725 | 10.95-12.75 | 13.75-14.5 |
| Beamwidth:-3dB | 4.17° | 2.618° | 1.389° | 1.194° |
| VSWR | 1.25:1 | | | |
| Typical Gain(dBi) | 31.91 | 35.95 | 41.46 | 42.77 |
| Feed Insertion Loss | 0.2 dB | | | |
| 10° Elevation | 38 | | 43 | |
| 20° Elevation | 31 | | 39 | |
| 40° Elevation | 25 | | 35 | |
| PowerHandling Capability | | 1KW/Port | | 1KW/Port |
| Feed interface | CPR-229G | CPR-137G | WR-75 | |
| Antenna Noise Temperature(° K) | 2Port Feed | | | |
| Tx-Rx | ≥85dB | | | |
| Sidelobes | CCIR. 580-4 | | | |
| Cross Polarization Isolation(on axis) | ≥35dB | | | |
| Environmental | | | | |
| Operational Winds | 45mi/h (72km/h) gusts to 60mi/h (97km/h) | | | |
| Survival Winds | 125mi/h (200km/h) | | | |
| Ambient Temperature | -45° to 60° | | | |
| Relative humidity | 0% to 100% | | | |
| Seismic(Survival) | 0.3G s horizontal 0.15G s vertical | | | |
| Mechanical | | | | |
| Elevation Travel | 0° to 90° | | | |
| Surface Accuracy | 0.5mm (R. M. S) | | | |
| Antenna Optics | Offset antenna | | | |
| Azimuth Travel | 360° | | | |