### 3.7M Vsat Antenna

Both C-band, Ku-band, Ka-band, S band and X band frequency are available.
Both available are Generalwind, Highwind and Superwind.
Both Linear or Circular Polarized feed system are available.
Self-aligning, stretch forming of aluminum reflector;
Reliable structure and a good anti-rust
Hot-dip galvanized structural steel

<table>
<thead>
<tr>
<th>Vsat Antenna</th>
<th>3.7M Vsat Antenna</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Operating Frequency, GHz</strong></td>
<td><strong>C-Band</strong></td>
</tr>
<tr>
<td>Receive</td>
<td>Transmit</td>
</tr>
<tr>
<td>3.625 to 4.2</td>
<td>5.85 to 6.425</td>
</tr>
<tr>
<td><strong>Gain, Mid-band, dBi</strong></td>
<td>42.1</td>
</tr>
<tr>
<td><strong>Polarization</strong></td>
<td>Linear/ Circular</td>
</tr>
<tr>
<td><strong>Feed Interface</strong></td>
<td>CPR-229G</td>
</tr>
<tr>
<td><strong>Feed Insertion Loss, dB</strong></td>
<td>0.15</td>
</tr>
<tr>
<td><strong>-3dB Beam Width(deg)</strong></td>
<td>1.32</td>
</tr>
<tr>
<td><strong>Tx. Power Capability, KW</strong></td>
<td>5</td>
</tr>
<tr>
<td><strong>Antenna Noise Temperature, 2-port feed</strong></td>
<td></td>
</tr>
<tr>
<td>10 deg Elevation</td>
<td>36 K</td>
</tr>
<tr>
<td>30 deg Elevation</td>
<td>30 K</td>
</tr>
<tr>
<td>50 deg Elevation</td>
<td>25 K</td>
</tr>
<tr>
<td><strong>Axial Ratio (dB)</strong></td>
<td>1.30</td>
</tr>
<tr>
<td><strong>VSWR</strong></td>
<td>1.25</td>
</tr>
<tr>
<td><strong>XPD (on Axis), dB</strong></td>
<td>35</td>
</tr>
<tr>
<td><strong>XPD across 1dB Beam Width, dB</strong></td>
<td>33</td>
</tr>
<tr>
<td><strong>Isolation, Tx to Rx, dB</strong></td>
<td>85</td>
</tr>
<tr>
<td><strong>Radiation Pattern:First Sidelobe</strong></td>
<td></td>
</tr>
</tbody>
</table>

### Environmental Specification

| Relative Humidity | 100% |
| Solar Radiation | 1135Kcal/ h/ m² |
| Seismic (Survival) | 0.3g (H), 0.15g (V) |
| Operational Wind | 72km/h Gusting to 97km/h |
| Survival Wind | 216km/h |
| Temperature | - 40Deg.c + 60Deg.c |

### Mechanical Specification

| Finishes |
|-----------------|-----------------|
| **Reflector Surface** | Aluminum panels with high-diffusing white paint |
| **Pedestal & Back Structure** | Hot dipped Galvanized |
| **Surface Accuracy (RMS)** | Less than 0.5mm |
| **Azimuth** | 0 to 170 deg |
| **Elevation** | 0 to 90 deg |
| **Polarization** | 180 deg |

[http://www.antesky.com]