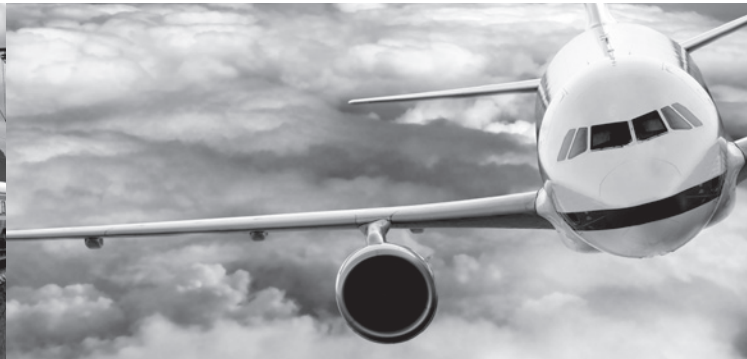


PHASOR

THE FUTURE OF MOBILE BROADBAND™



HIGH-GAIN, VERY LOW PROFILE, SOFTWARE-DEFINED,
ENTERPRISE-GRADE ELECTRONICALLY-STEERED ANTENNA SYSTEM



- Flat or Conformal Form Factor
- Very Low Profile (1 inch high)
- Single or Dual Beam per aperture
- Robust & Reliable Design

- Software defined/controlled beam forming
- Full Ku Band coverage, (Ka to follow)
- Rx only, Tx only or Tx & Rx overlaid configurations
- Solid State (no moving parts – high reliability)

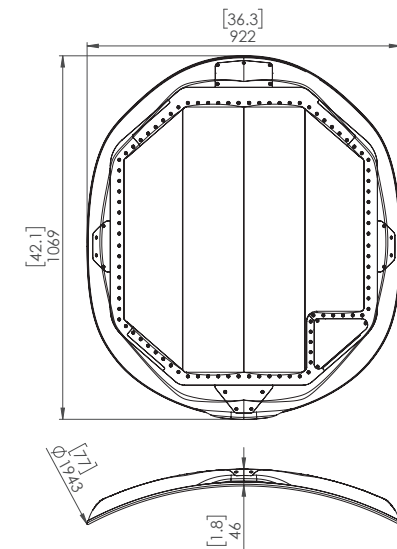
- Scalable to > 2.4m diameter performance
- GEO/MEO/LEO compatible

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phasorsolutions.com

Powerful, Flexible, Versatile.

- Combine any number of Modules – *without loss*
- Fully electronically steered – *no moving parts*
- Instantaneous beam switching
- >200°/sec steering rate
- >2 GHz tuning range (Rx)
- Dual fully independent beams from single aperture
- Transmit & Receive from a single aperture
- Rx only and Tx only also available
- Very high EIRP capability
- Ultimate off-axis performance – *achieved from software controlled antenna*
- Better than $29-25 \log(\Theta)$

| SPECIFICATIONS | |
|----------------------------------|-------------------------------|
| Rx Frequency | 10.70 – 12.75 GHz |
| Tx Frequency | 14.0 – 14.5 GHz |
| Instantaneous Bandwidth | 125 MHz |
| Pointing Accuracy | < 0.2 Degrees |
| Polarisation | Linear or Circular Switchable |
| Temperature Range | -55 to +85 °C |
| Power - 6 module (inc. 30W SSPA) | 500 Watts |
| Weight - 6 module | 12 kgs |



Example of a 6 Module Aero Solution

| MODULES | APERTURE DIMENSIONS | BROADSIDE | | EQUIVALENT TRADITIONAL DISH PERFORMANCE | | |
|-----------------------|---------------------|-----------|------|---|------|---------------|
| | | G/T | EIRP | Diam. | G/T | EIRP (4W BUC) |
| Sample Configurations | | | | | | |
| No. | cms. | dB/K | dBW | cms. | dB/K | dBW |
| 6 | 54 x 72 | 14.3 | 53.6 | 70 | 15 | 42.8 |
| 12 | 72 x 108 | 17.4 | 59.6 | 100 | 18.1 | 46.0 |
| 27 | 126 x 144 | 21.0 | 66.6 | 150 | 21.7 | 49.6 |