

## 742x2012

### Log Periodic Antenna V-Pol 2-port 11dBi 690-4000

### Log Periodic Antenna 690-4000 10/11dBi

| Type                                 | 74212012  |              |            | 74252012         |           |
|--------------------------------------|---|--------------|------------|------------------|-----------|
|                                      | Frequency Range (MHz)                           | 690-960      | 960-1695   | 1695-2170        | 2170-2690 |
| Gain (dBi, typ.)                     | 9.5   | 10.5         | 11.0       | 11.0             | 10.5      |
| VSWR                                 | ≤ 1.8   | ≤ 1.6        | ≤ 1.6      | ≤ 1.6            | ≤ 1.6     |
| Polarization                         | Vertical / Horizontal                           |              |            |                  |           |
| PIM3 (dBc), @2x43dBm                 | ≤ -150  |              |            |                  |           |
| Horizontal Beamwidth (°)             | 68  | 65           | 61         | 58               | 65        |
| Vertical Beamwidth (°)               | 53  | 50           | 48         | 45               | 53        |
| Isolation (dB)                       | ≥ 20  | ≥ 20         | ≥ 28       | ≥ 28             | ≥ 28      |
| Front-to-Back Ratio (dB)             | ≥ 20  | ≥ 20         | ≥ 25       | ≥ 25             | ≥ 25      |
| Input Impedance (Ω)                  | 50  |              |            |                  |           |
| Max. Input Power (W)                 | 200   |              |            |                  |           |
| Lightning Protection                 | DC Grounded                                     |              |            |                  |           |
| Connector Type                       | 2 x 4.3-10 Female                               |              |            | 2 x 7/16 Female  |           |
| Dimension (mm)                       | 300 x 300 x 785                                 |              |            |                  |           |
| Weight (kgs)                         | 6.5   |              |            |                  |           |
| Reflector Material                   | Aluminum  |              |            |                  |           |
| Radome Material                      | Fiber Glass                                     |              |            |                  |           |
| Rated Wind Velocity (km/h)           | 200   |              |            |                  |           |
| Operating Temperature (°C)           | -40 to +65                                      |              |            |                  |           |
| Mounting                             | Pole Mount for Ø38 to Ø52 included              |              |            |                  |           |
| Wind Load (N) (@150km/h Wind Speed)  | Frontal: 25.5   Lateral: 143.1   Rearside: 41.8 |              |            |                  |           |
| Complaint to Environmental Standards | Dry Heat  | GB/T 2423.2  |            | (IEC 60068-2-2)  |           |
|                                      | Cold  | GB/T 2423.1  |            | (IEC 60068-2-1)  |           |
|                                      | Damp Heat                                       | GB/T 2423.3  |            | (IEC 60068-2-78) |           |
|                                      | Change of Temp.                                 | GB/T 2423.22 |            | (IEC 60068-2-14) |           |
|                                      | Salt Mist                                       | GB/T 2423.17 |            | (IEC 60068-2-11) |           |
|                                      |   | GB/T 10125   |            | (ISO 9227)       |           |
|                                      | Ingress Protection                              | GB/T 4208    |            | (IEC 60529)      |           |
|                                      | Vibration                                       | GB/T 2423.10 |            | (IEC 60068-2-64) |           |
| Drop Test                            | GB/T 2423.8 & 4857.5                            |              | (ISO 2248) |                  |           |

