



**LTVC**

Log Periodic Antennas

LTVC Series

The LTVC series log periodic antenna is a directional wideband antenna without lateral lobes. It can be used in vertical or horizontal polarization due to its symmetrical rear fixation adapted to 50 - 115 tubes.

The antenna is totally protected by a polyester fibreglass radome, guaranteeing correct operation in the harshest conditions: rain, snow, frost, sea corrosion, etc.

**FEATURES / BENEFITS**

- Receiving TV emissions on the UHF band
- Single gain of 10dBi on average
- Multi-assembly of 2, 4, 8 antennas making it possible to obtain a high gain and an outstanding directivity to eliminate jamming and interferences
- Easy to implement due to its low weight
- Individual packaging: 2.10 x 0.50 x 0.30m
- All the metallic parts of the antenna are connected to the ground, helping static load out-flow.



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**Technical features**

**STRUCTURE**

<b>Product Line</b>		Antenna TV
<b>Product Type</b>		Band IV/V (UHF) TV Log Periodic Antenna

**ELECTRICAL SPECIFICATIONS**

<b>Frequency Range</b>	MHz	460 - 860
<b>Polarization</b>		Horizontal Vertical
<b>Nominal Gain (Mid-band)</b>	dBd	8
<b>Return Loss</b>	dB	> 19
<b>Power Rating</b>	kW	0.3
<b>Min. Front to Back Ratio</b>	dB	25
<b>Impedance (unbalanced)</b>	Ω	50

**MECHANICAL SPECIFICATIONS**

<b>Input Connector</b>		7-16 DIN
<b>Dimensions (Height or Length)</b>	cm (in)	130 (52)
<b>Dimensions (Width)</b>	cm (in)	45 (18)
<b>Dimensions (Depth)</b>	cm (in)	12 (5)
<b>Mounting (Standard)</b>	mm (in)	Steel saddle assembly to 30 - 120mm (1.2 - 4.7) tube
<b>Mounting (Optional)</b>	mm (in)	Steel saddle assembly to 110 - 150mm (4.3 - 6) tube
<b>Effective Area Front (full antenna) No Ice</b>	m <sup>2</sup> (ft <sup>2</sup> )	Vert Polarised 0.4 (4.3) Horiz Polarised 0.14 (1.51)
<b>Effective Area Front (full antenna) with 12.5mm(0.5") Radial Ice</b>	m <sup>2</sup> (ft <sup>2</sup> )	Vert Polarised 0.4 (4.3) Horiz Polarised 0.14 (1.51)
<b>Wind Rating (no ice)</b>	km/h (mph)	220 (140)
<b>Weight</b>	kg (lb)	7 (15)

**PACKAGING INFORMATION**

<b>Shipping Weight, Kg (lb)</b>	kg (lb)	19 (42)
<b>Shipping Dimension - Length</b>	cm (in)	210 (82.7)
<b>Shipping Dimension - Width</b>	cm (in)	50 (19.7)
<b>Shipping Dimension - Height</b>	cm (in)	30 (11.8)



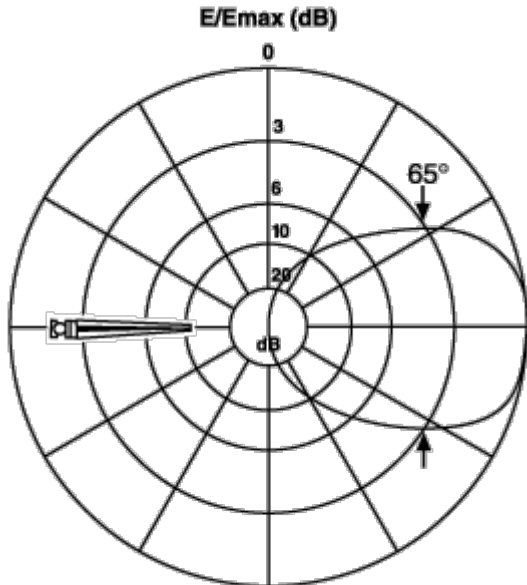
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**MATERIAL**

Material - Radome		Polyester
Material - Support Pole / Mounting		Hot galvanised steel
Material - Radiators		aluminium alloy
Colour		White



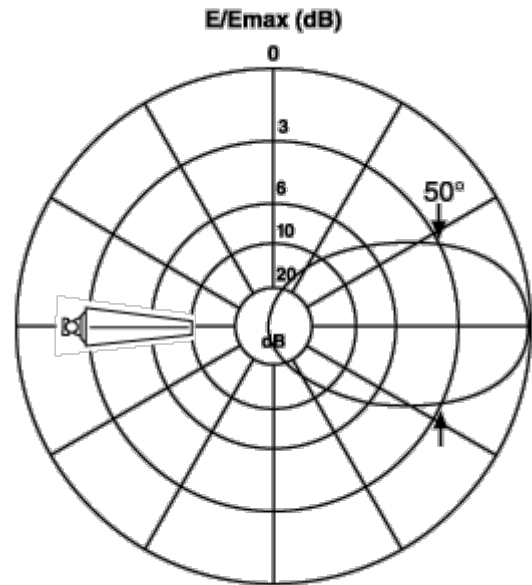
**Vertical polarization (H plane)**

Single LTVC antenna

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**Horizontal pattern (E plane)**

Single LTVC antenna

[External Document Links](#)

**Notes**

**Options**

- Hot-galvanized mounting hardware for 30 to 120mm support pipes. Available up to 110 to 135mm upon request
- Stainless steel screw set for interface
- Power splitter (BJ) for antenna array in 2, 3, 4 and 6 directions
- Phasing coaxial straps
- Fitted, low loss coaxial cables - any length
- Supports: tubes, small and large towers.