

L-BAND PSR ANTENNA

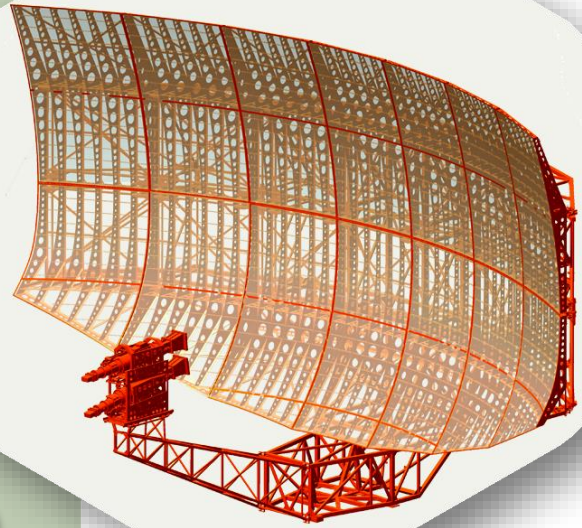
HIGH-QUALITY
PRODUCT AT
REASONABLE PRICE



EUROCONTROL

L-band

1.25 – 1.35 GHz



MAIN FEATURES

- Transportable air traffic control antenna
- Fully Compliant with ICAO and EUROCONTROL Requirements
- High Gain
- High and Low Radiating Beam
- Low Sidelobes
- Linear/ Circular Polarization Switching
- Weather Channels

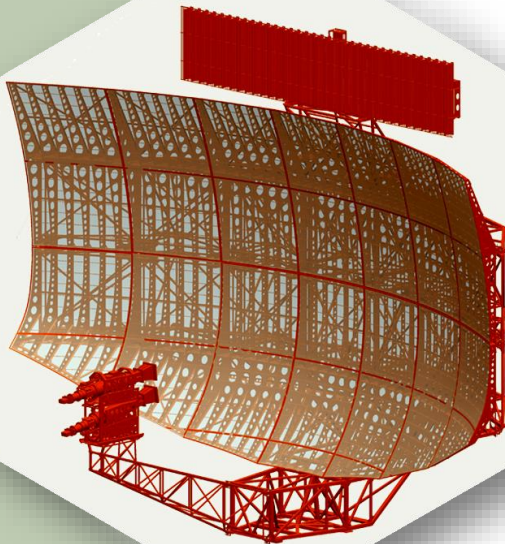
The L-band Antenna is a high quality design. Antenna consists of a reflector and RF boom. The reflector bears a reflective surface made of aluminium mesh, whose tubular support structure also serves as the secondary antenna carrier and to which the RF boom is attached. The tubular structure of the antenna is welded from circular structural steel tubes. Two sheet metal flanges are welded at the top of the tubular structure to which the secondary antenna frame is welded.

The high-gain, dual-feed, double-curved L-band antenna is mounted within a proven radome on a dual-drive pedestal for continuous antenna rotation using dual encoder and six-channel rotary joint.



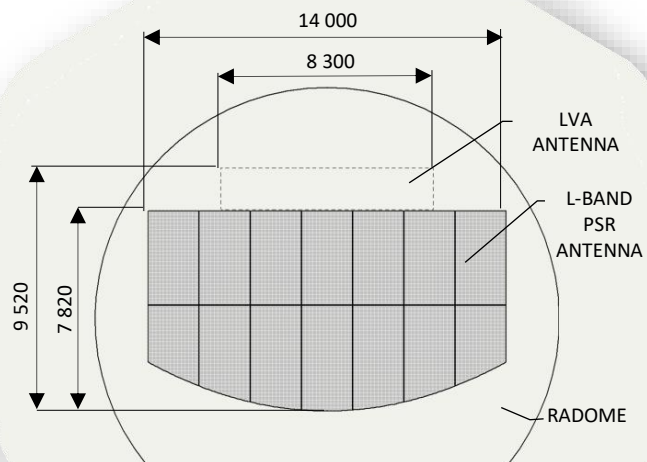
EUROPEAN UNION
European Regional Development Fund
Operational Programme Enterprise
and Innovations for Competitiveness

L-BAND ANTENNA CAN BE
CO-MOUNTED WITH
RAMET LVA ANTENNA OR
LVA ANTENNAS OF OTHER
PRODUCERS



BASIC TECHNICAL PARAMETERS

Frequency band	1.25 – 1.35 GHz
Beam	Upper / Lower
Gain	≥ 36 dBi / ≥ 33 dBi
Polarization	Linear / Circular
Integrated Cancellation Ratio	≥ 20 dB
VSWR	≤ 1.5
Isolation	≥ 30 dB
Power Handling	≥ 50 kW
Azimuth Beamwidth	≤ 1.5 °
Azimuth Sidelobe Suppression	≥ -25 dB
Elevation Pattern	Modified csc^2
Elevation Coverage	-10 ° to 50 °
Weight	5000 kg



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