



HPA ... 1415 Series Antenna Specifications

HPA 1.5 S 1415 FR-N HPA 1.8 S 1415 FR-N

Electrical Specification

Operating Frequency	1.427–1.535 GHz	
Diameter	1.5 m	1.8 m
Gain mid-band	24.3 dBi	26.0 dBi
Polarization	Linear Simplex (Horizontal or Vertical)	
Half-Power Beamwidth	9.7°	8.1°
Return Loss	-17.7 dB	-19.1 dB
Front-to-Back Ratio	38 dB	42 dB
Cross-Polar Discrimination	28 dB	28 dB
Connector ¹	N (Female) Connector	

¹ Other connector types are available upon request.

Mechanical Specification

Net Weight ²	85 kg	146 kg
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² Clamps, adjustment system (and side strut from 0.8 m diameter) are included.

Antenna Pointing Range

Azimuth <i>fine</i>	±5°	±5°
Elevation <i>fine</i>	±5°	±5°

Material and Finish

Mount	Hot-Dip-Galvanized Steel	
Installation Hardware	Stainless Steel	
Feed	Aluminium	

Environmental Specification

Operating Windspeed	120 km/h	
Survival Windspeed	220 km/h	
Ambient Temperature	±55°C	

ETSI Standard

ETSI Range	0	0
ETSI Class	2	2