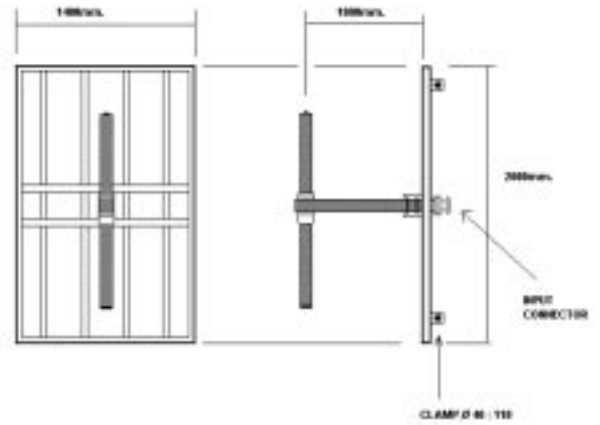


BROADBAND DIPOLES

Model DPA1/ DPA1 7/8.

BROADBAND PANEL ANTENNA FM BAND 87.5-108 MHz.

- BAND II
- B.BAND ANTENNA
- LINEAR POLARIZATION HORIZONTAL OR VERTICAL
- STAINLESS STEEL INOX AISI 304
- LIGHTNING PROTECTION ALL METAL PARTS DC GROUNDED



Electrical Data

Model	DPA1 – DPA1 7/8
Impedance	50 Ohm.
Frequency Range	87.5 - 108 MHz.
Gain	4.5 dB. (ref.to half wave dipole)
VSWR	< 1.25
Polarization	linear horizontal or vertical
Max Power	DPA1 2000W DPA1 7/8 3000W
Combinations	The antenna is especially suitable as a Component in array to achieve various Radiation patterns.

Mechanical Data

Wind Load	75kg. 150km/h
Max Wind Velocity	200km/h.
Weight	kg. 32 ref. stainless steel
Mounting	with standard clamp 50-110mm. diam.
Dimensions	2000x1400x1000mm.

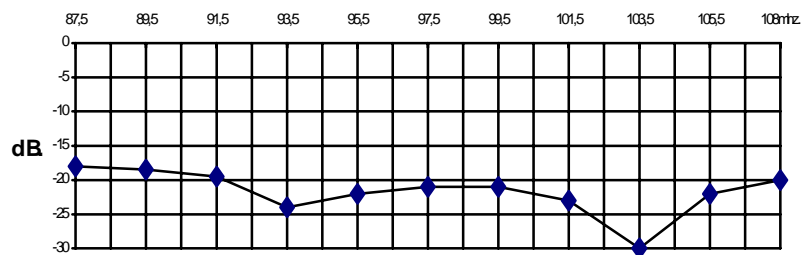
Materials: Reflector
Dipole

stainless steel or galvanized
stainless steel

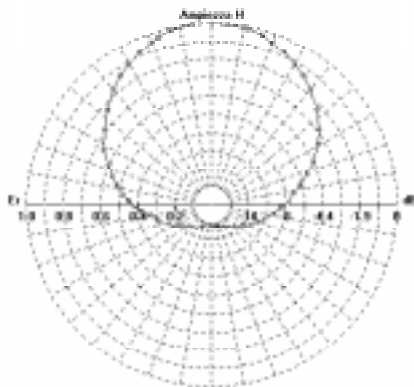
Connectors Type Request

N Female	800W.max
LC or 7/16 Female	2000W.max
7/8 Female	3000W.max

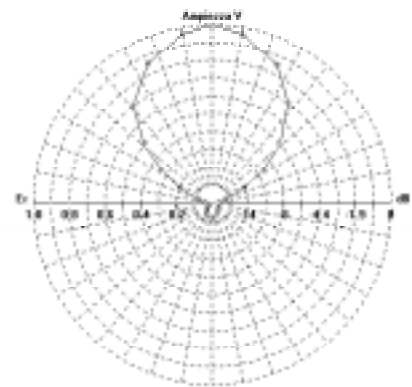
Return loss



RADIATION PATTERN at mid band (98MHz)

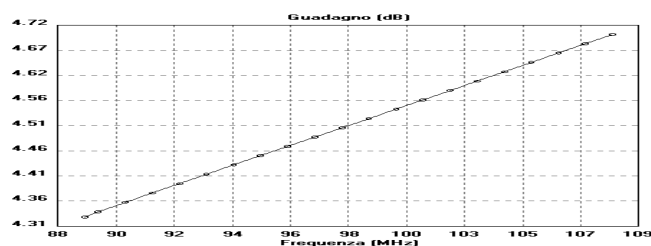


H plane 120°



V plane 75°

HALF POWER BEAMWIDTH



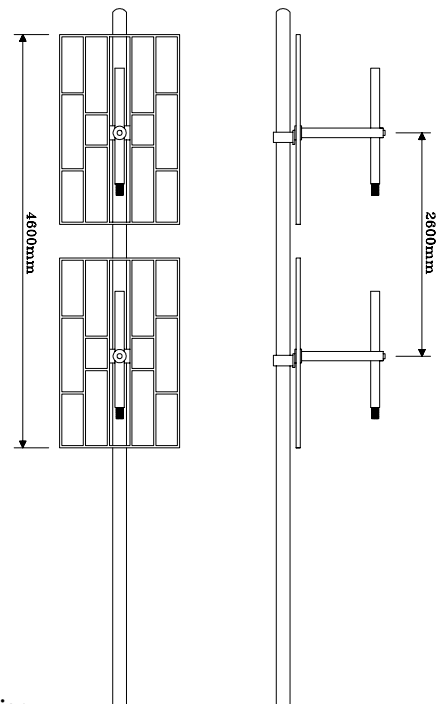
GAIN

Model DPA 1x2 HP.

TWO BROADBAND PANEL ANTENNA

FM BAND 87.5-108 MHz.

- BAND II
- B.BAND ANTENNA
- LINERAR POLARIZATION HORIZONTAL OR VERTICAL
- STAINLESS STEEL INOX AISI 304
- LIGHTNING PROTECTION ALL METAL PARTS DC GROUNDED



Electrical Data

Model	DPA 1x2 HP
Frequency Range	87.5-108 MHz
Impedance	50 Ohm
Connectors	According to system power rating
VSWR	< 1.25
Polarization	Vertical
Gain	7.5 dB (referred to a half wave dipole. Attenuation of connecting cables not taken into account)
Vertical Pattern	Null fill, beam tilt and special requirements to order
Max Power	3.5 KW

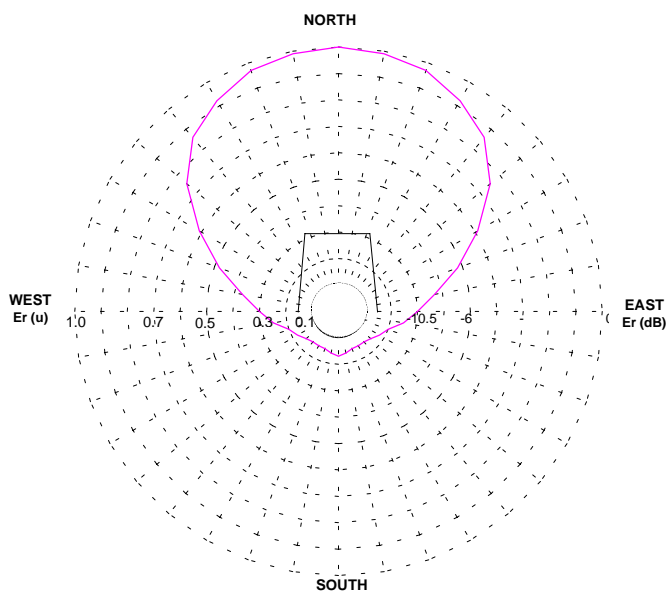
System composition

2 DPA 1, 2 ways wide-band splitter with EIA 7/8" flanges and 2 coaxial cables 1/2" with EIA 7/8" end flanges.

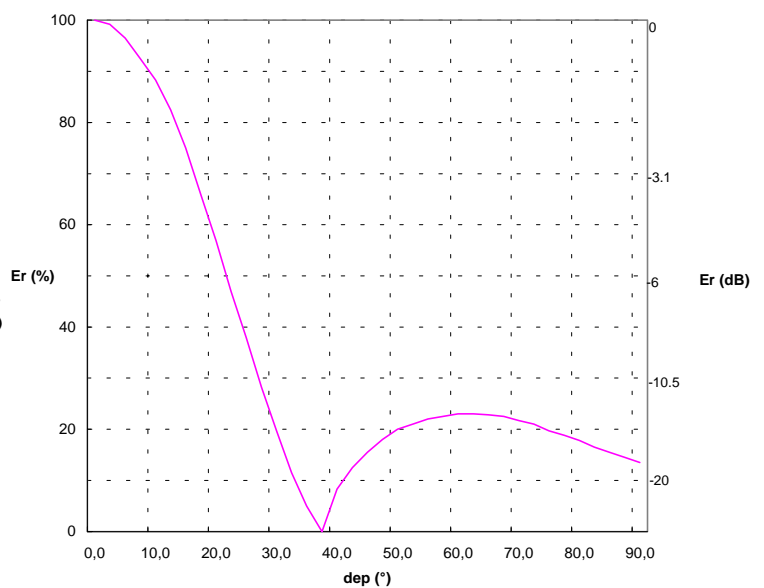
Mechanical Data

Weight	64 Kg (without mounting hardware)
Wind Load (150 Km/h)	154 Kg
Max Wind Velocity	200 Km/h
Pressurizable	requirements to order
Antenna Height L	4600 mm

Horizontal Diagram



Vertical Diagram

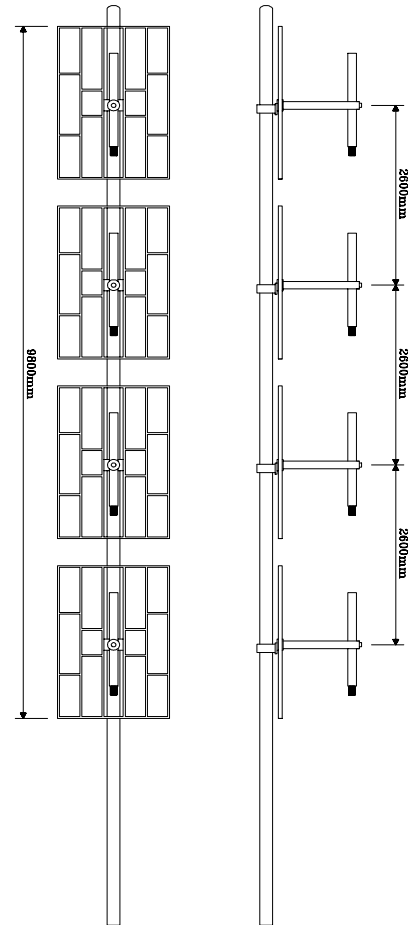


Model DPA 1x4 HP.

FOUR BROADBAND PANEL ANTENNA

FM BAND 87.5-108 MHz.

- BAND II
- B.BAND ANTENNA
- LINEAR POLARIZATION HORIZONTAL OR VERTICAL
- STAINLESS STEEL INOX AISI 304
- LIGHTNING PROTECTION ALL METAL PARTS DC GROUNDED



Electrical Data

Model	DPA 1x4 HP
Frequency Range	87.5-108 MHz
Impedance	50 Ohm
Connectors	According to system power rating
VSWR	< 1.25
Polarization	Vertical
Gain	10.5 dB (referred to a half wave dipole. Attenuation connecting cables not taken into account)
Vertical Pattern	Null fill, beam tilt and special requirements to order
Max Power	5 KW

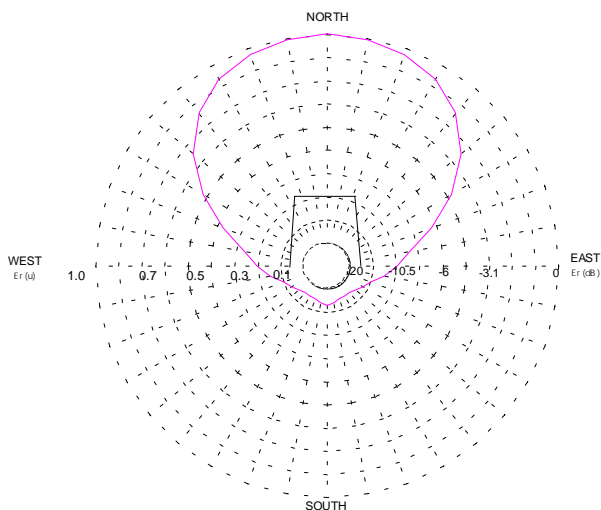
System composition

4 DPA 1, 4 ways wide-band splitter with EIA 7/8" flanges and 2 coaxial cables 1/2" with EIA 7/8" end flanges.

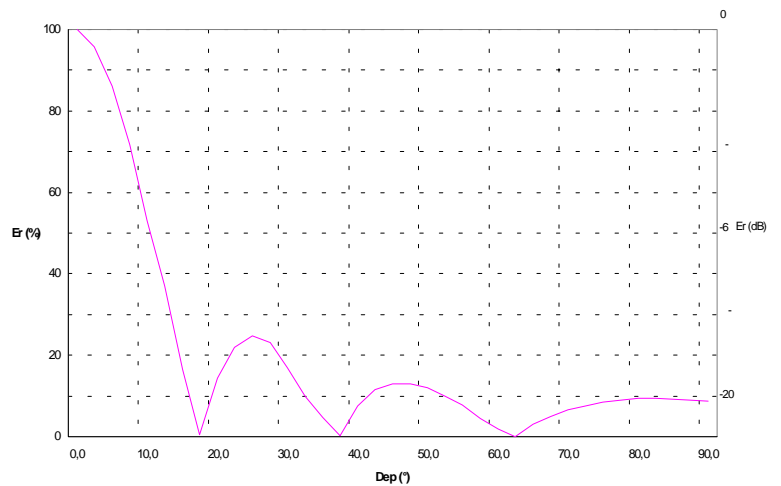
Mechanical Data

Weight	130 Kg (without mounting hardware)
Wind Load (150 Km/h)	308 Kg
Max Wind Velocity	200 Km/h
Pressurizable	requirements to order
Antenna Height L	9800 mm

Horizontal Diagram



Vertical Diagram

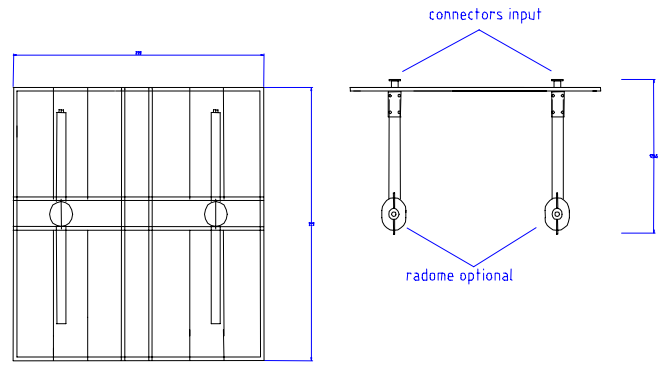


Model DPA2/ DPA2 HP.

BROADBAND PANEL DOUBLE ANTENNA

FM BAND 87.5-108 MHz.

- BAND II
- B.BAND ANTENNA
- LINEAR VERTICAL POLARIZATION
- STAINLESS STEEL INOX AISI 304
- LIGHTNING PROTECTION ALL METAL PARTS
- DC GROUNDED



Electrical Data

Model	DPA2 – DPA2 HP
Impedance	50 Ohm.
Frequency Range	87.5 - 108 MHz.
Gain	7.5 dB. (ref.to half wave dipole)
Polarization	linear vertical
Max Power	DPA2 4000W DPA2 HP 6000W
Combinations	The antenna is especially suitable as a Component in array to achieve various Radiation patterns.

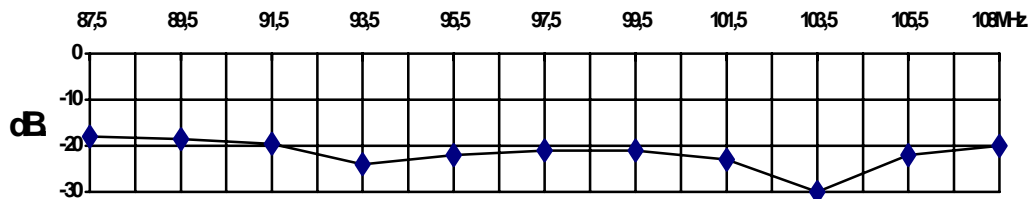
Mechanical Data

Wind Load	190kg. 150km/h
Max Wind Velocity	200km/h.
Weight	kg. 80 ref. stainless steel
Mounting	with standard clamp 50-110mm. diam.
Dimensions	2200x2200x1300mm.
Materials: Reflector	galvanized steel
Dipole	stainless steel
Radome	fiberglass
Radome colour	white

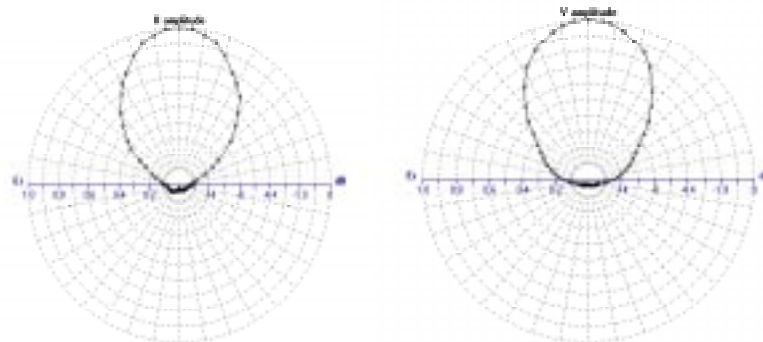
Connectors Type Request

N Female	800W.max
LC or 7/16 Female	2000W.max
7/8 Female	3000W.max

Return loss



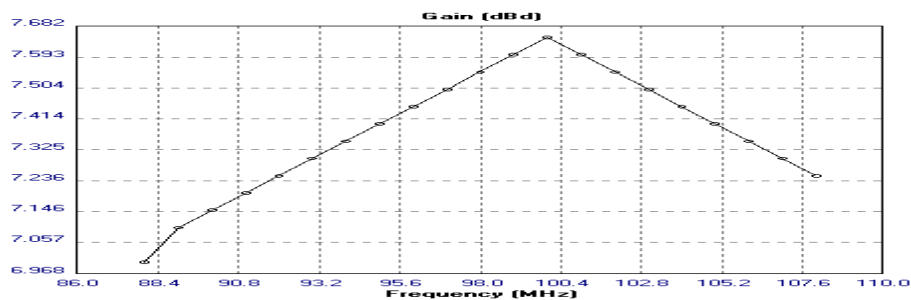
Radiation Pattern at mid band (98MHz)



H Plane 65°

E Plane 70°

Half Power Beamwidth



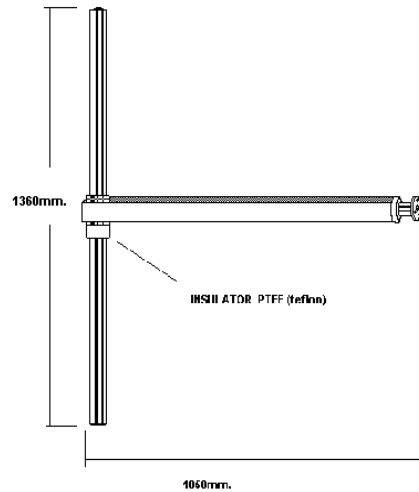
Gain

Model AJ1 F - AJ1 F 7/8.

BROADBAND DIPOLE ANTENNA

FM BAND 87.5-108 MHz.

- DESMOUNTABLE VERSION LOW COST DELIVERY
- BAND II
- B.BAND ANTENNA
- LINEAR VERTICAL POLARIZATION
- STAINLESS STEEL INOX AISI 304
- LIGHTNING PROTECTION ALL METAL PARTS DC GROUNDED



Electrical Data

Model	AJ1 F – AJ1 F 7/8
Impedance	50 Ohm.
Frequency Range	87.5 - 108 MHz.
Gain	1.5 dB. (ref.to half wave dipole)
Polarization	linear vertical
VSWR	< 1.3
Max Power	AJ1 F 2000W AJ1 F 7/8 3000W
Combinations	The antenna is especially suitable as a Component in array to achieve various Radiation patterns.

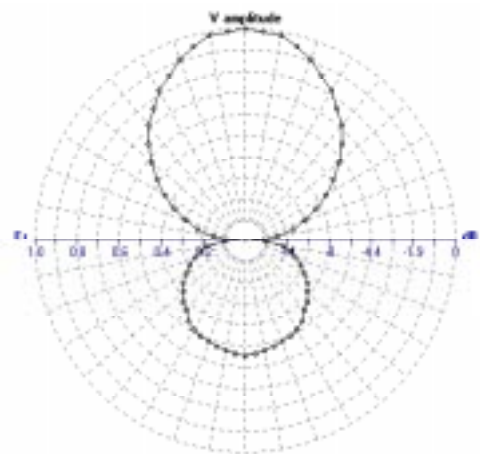
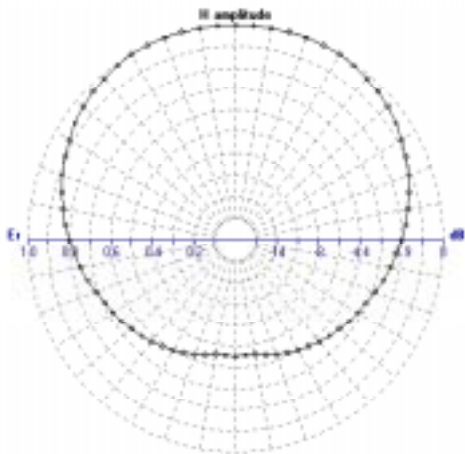
Mechanical Data

Wind Load	32kg. 150km/h
Max Wind Velocity	200km/h.
Weight	kg. 9 ref. stainless steel
Mounting	with standard clamp 50-110mm. diam.
Dimensions	1360x1060x60mm.
Materials: Mounting hardware	galvanized steel
Insulator	PTFE (Teflon)
Dipole	Stainless steel
Internal	Aluminium, Copper
Radome	fiberglass
Radome colour	white

Connectors Type Request

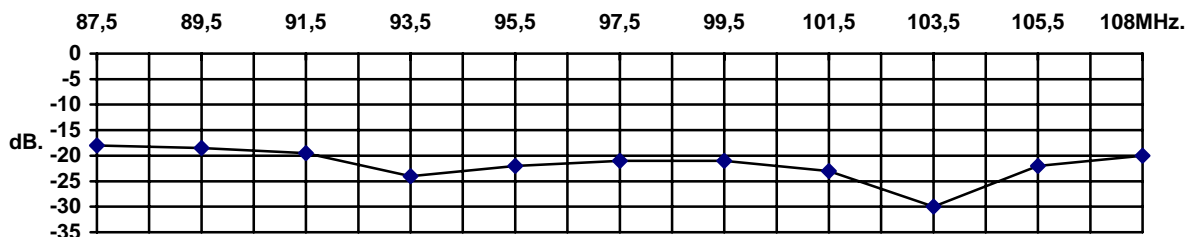
N Female	800W.max
LC or 7/16 Female	2000W.max
7/8 Female	3000W.max

Half Power Beamwidth



Radiation Pattern at mid band (98MHz)

Return loss

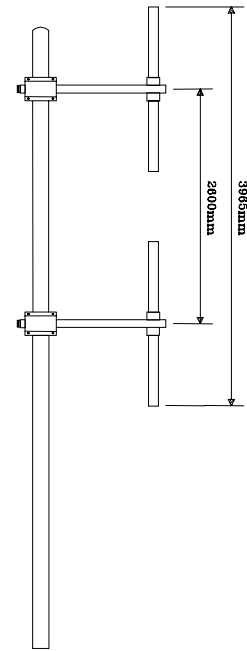


Model AJ1 Fx2 - AJ1 Fx2 HP

TWO BROADBAND DIPOLE ANTENNA SYSTEM

FM BAND 87.5-108 MHz.

- DESMOUNTABLE VERSION LOW COST DELIVERY
- BAND II
- B.BAND ANTENNA
- LINEAR VERTICAL POLARIZATION
- STAINLESS STEEL INOX AISI 304
- LIGHTNING PROTECTION ALL METAL PARTS DC GROUNDED



Electrical Data

Model	AJ1 Fx2 - AJ1 Fx2 HP
Impedance	50 Ohm.
Frequency Range	87.5 - 108 MHz.
Gain	4.7 dB. (ref.to half wave dipole)
Polarization	linear vertical
Connectors	According to system power rating
VSWR	< 1.3
Vertical Pattern	Null fill, beam tilt and special requirements to order
Max Power	800 W (AJ1 Fx2) 1000 W (AJ1 Fx2 HP)

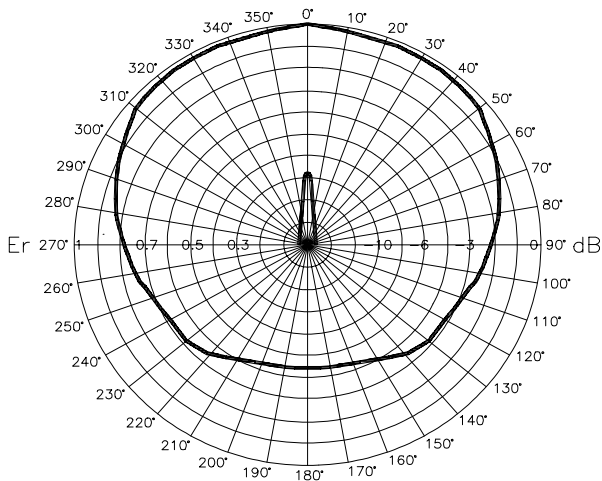
System composition

AJ1 Fx2 - 2 AJ1 F, 2 ways wide-band splitter with N-type connectors and 2 coaxial cables RG213 with N-type end connectors.
AJ1 Fx2 HP - 2 AJ1 F, 2 ways wide-band splitter (Input EIA 7/8" flange and N-type connectors output) and 2 coaxial cables RG213 with N-type end connectors.

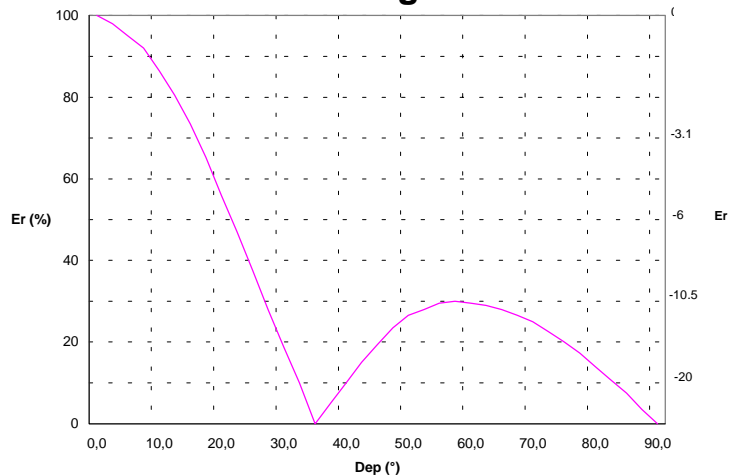
Mechanical Data

Wind Load	64kg. 150km/h
Max Wind Velocity	200km/h.
Weight	27 kg. (without mounting hardware)
Pressurizable	Requirements to order
Antenna height.	3965 mm.

Horizontal Pattern (F=98 MHz)



Vertical Diagram

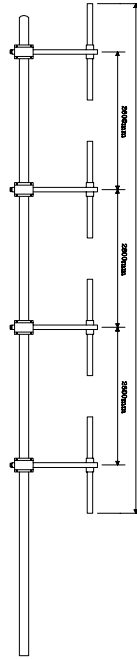


Model AJ1 Fx4 - AJ1 Fx4 HP

FOUR BROADBAND DIPOLE ANTENNA SYSTEM

FM BAND 87.5-108 MHz.

- DESMOUNTABLE VERSION LOW COST DELIVERY
- BAND II
- B.BAND ANTENNA
- LINEAR VERTICAL POLARIZATION
- STAINLESS STEEL INOX AISI 304
- LIGHTNING PROTECTION ALL METAL PARTS DC GROUNDED



Electrical Data

Model	AJ1 Fx4 - AJ1 Fx4 HP
Impedance	50 Ohm.
Frequency Range	87.5 - 108 MHz.
Gain	7.7 dB. (ref.to half wave dipole)
Polarization	linear vertical
Connectors	According to system power rating
VSWR	< 1.3
Vertical Pattern	Null fill, beam tilt and special requirements to order
Max Power	800 W (AJ1 Fx4) 2000 W (AJ1 Fx4 HP)

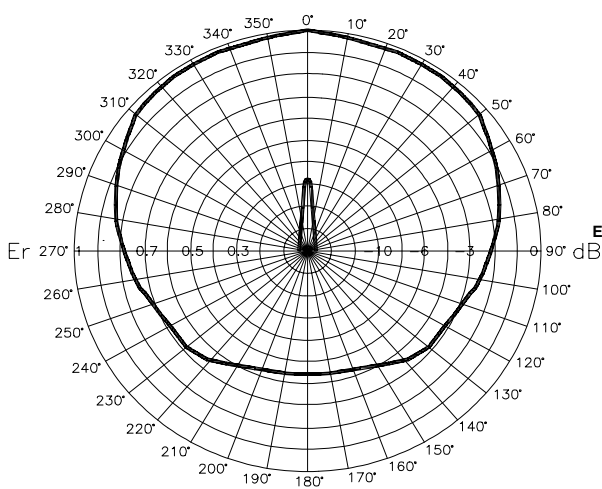
System composition

AJ1 Fx4 - 4 AJ1 F, 4 ways wide-band splitter with N-type connectors and 4 coaxial cables RG213 with N-type end connectors.
AJ1 Fx4 HP - 4 AJ1 F, 4 ways wide-band splitter (Input EIA 7/8" flange and N-type connectors output) and 4 coaxial cables RG213 with N-type end connectors.

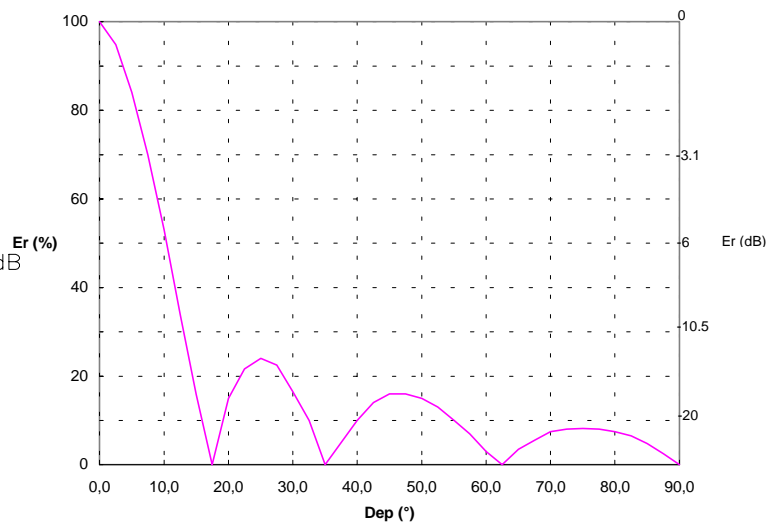
Mechanical Data

Wind Load	128kg.	150km/h
Max Wind Velocity	200km/h.	
Weight	45 kg.	(without mounting hardware)
Pressurizable	Requirements to order	
Antenna height.	9165 mm.	

Horizontal Pattern (F=98 MHz)



Vertical Diagram

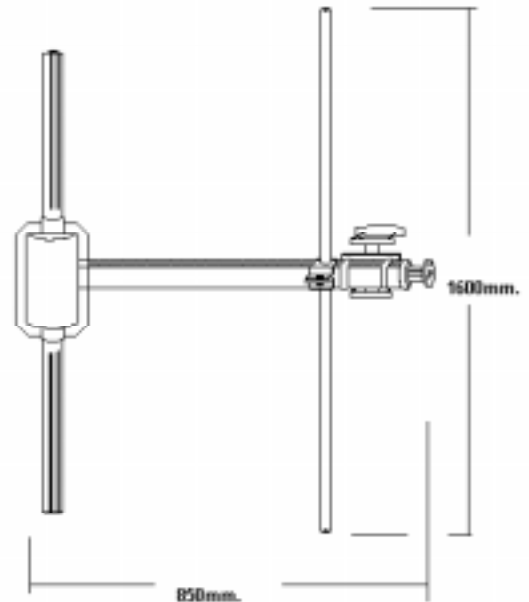


Model AJ1 F2 – AJ1 F2-7/8

TWO ELEMENTS BROADBAND ANTENNA

FM BAND 87.5-108 MHz.

- DESMOUNTABLE VERSION LOW COST DELIVERY
- BAND II
- SEMIDIRECTIONAL B.BAND ANTENNA
- LINEAR VERTICAL OR HORIZONTAL POLARIZATION
- STAINLESS STEEL INOX AISI 304
- LIGHTNING PROTECTION ALL METAL PARTS DC GROUNDED



Electrical Data

Model	AJ1 F2 – AJ1 F2-7/8
Impedance	50 Ohm.
Frequency Range	87.5 - 108 MHz.
Gain	2.5 dB. (ref.to half wave dipole)
Polarization	linear vertical or horizontal
Max Power	AJ1 F2 2000W AJ1 F2-7/8 3000W
Combinations	The antenna is especially suitable as a component in array to achieve various radiation patterns.

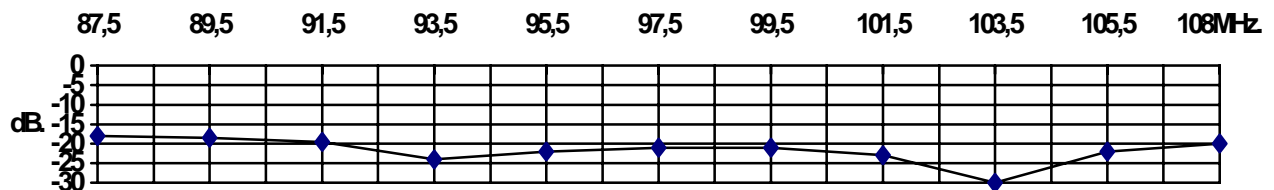
Mechanical Data

Wind Load	75kg. 150km/h
Max Wind Velocity	200km/h.
Weight	kg. 13.5 ref. stainless steel
Mounting	with standard clamp 50-110mm. diam.
Dimensions	1600x850x100mm.
Materials: Reflector	Stainless steel
Dipole	Stainless steel
Radome	fiber glass (optional)

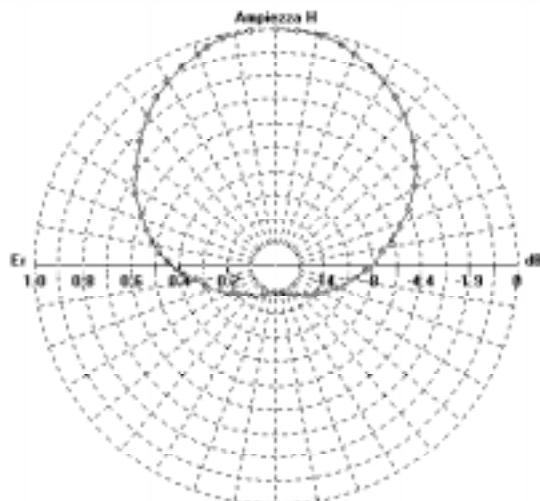
Connectors Type Request

N Female	800W.max
LC or 7/16 Female	2000W.max
7/8 Female	3000W.max

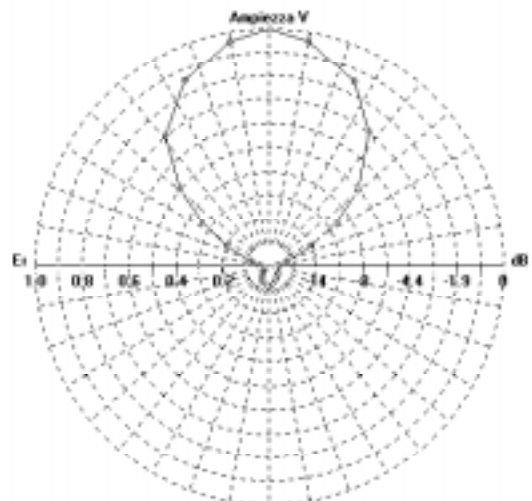
Return loss



Radiation Pattern at mid band (98 MHz)



H Plane 170°



V Plane 75°

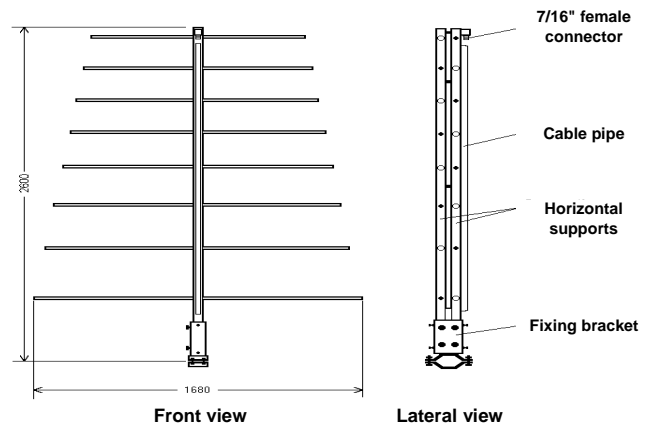
Model LGPRD – LGPRD-7/8

LOGARITHMIC-PERIODIC BROADBAND ANTENNA

FM BAND 87.5-108 mhz.

- BAND II
- B.BAND ANTENNA
- HORIZONTAL OR VERTICAL POLARIZATION
- STAINLESS STEEL INOX AISI 304 OR ANTICORODAL ALLUMINIUM
- LIGHTNING PROTECTION ALL METAL PARTS DC GROUNDED

Desmountable version low cost delivery



Electrical Data

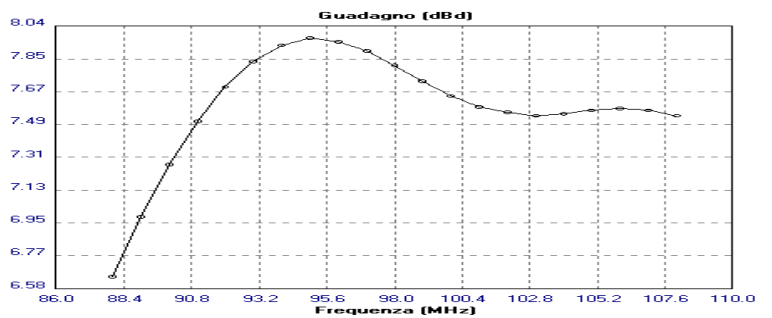
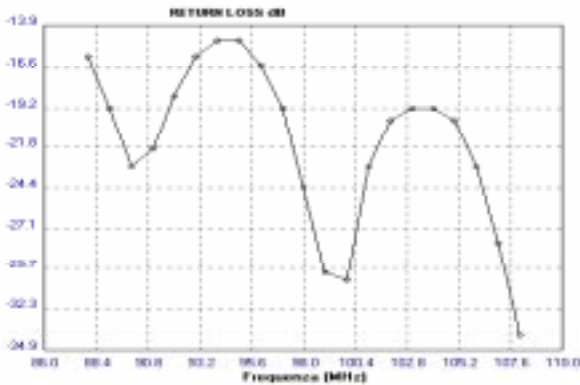
Model	LGPRD LGPRD-7/8
Impedance	50 ohm.
Frequency Range	87.5 - 108 mhz.
Gain	7 dB (referred to a half wave dipole)
Polarization	Linear, vertical or horizontal
Combinations	This antenna is especially suitable in array to achieve various radiation pattern.

Mechanical Data

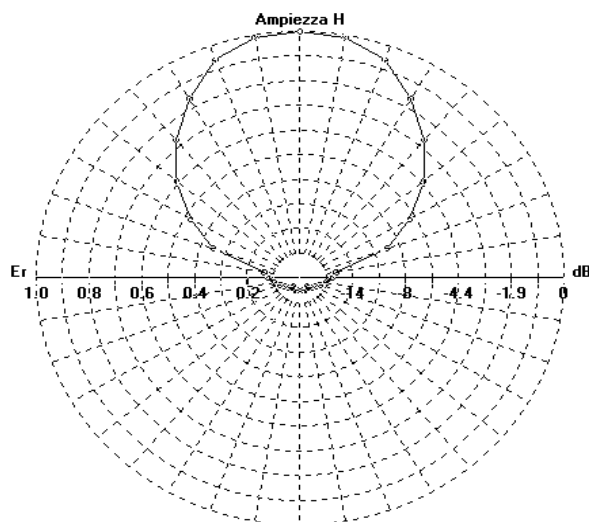
Wind Load	150kg. 150km/h
Max Wind Velocity	LGPRD 90km/h. LGPRD-7/8 150km/h
Weight	LGPRD 20 kg. LGPRD-7/8 50 kg
Mounting	with standard clamp 50-110mm. diam.
Materials	LGPRD Anticorodal Alluminium LGPRD 7/8 Stainless steel

Connectors type Request

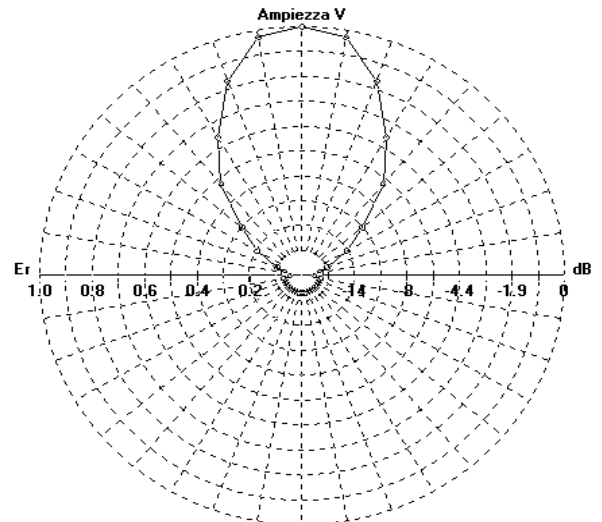
N Female	800W.max
LC or 7/16 Female	2000W.max
7/8 Female	3000W.max



RADIATION PATTERN at mid band (98MHz)



H PLANE 90°



V PLANE 50°