

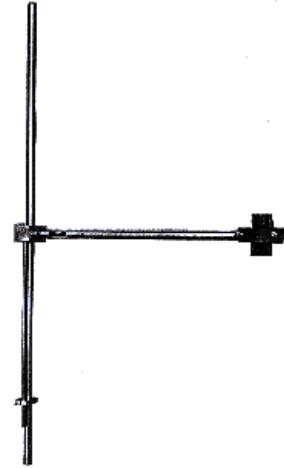
TUNED DIPOLES

Model AJ1 E.

GAMMA-MATCH DIPOLE ANTENNA

FM BAND 87.5-108 MHz.

- ECONOMICAL
- LOW PRICE
- HIGH PERFORMANCE
- DIFFERENT VERSIONS



Electrical Data

Model	AJ1 E
Impedance	50 ohm.
Frequency Range	87.5 - 108 MHz. (4-5 MHz)
Gain	0 dB. (ref.to half wave dipole)
Polarization	linear horizontal or vertical
Combinations	The antenna is especially suitable as a component in array to achieve various radiation patterns.
VSWR	< 1.1

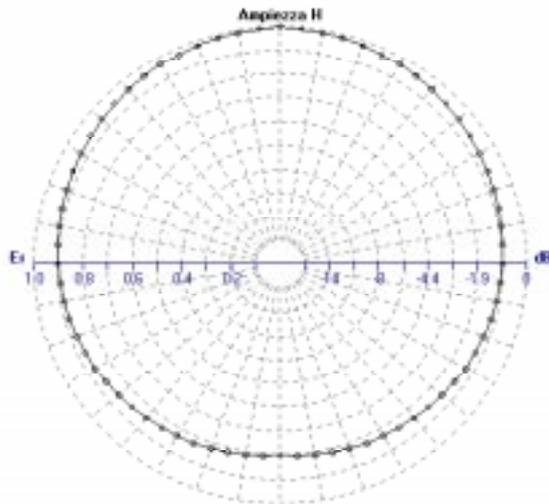
Connectors Type Request

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

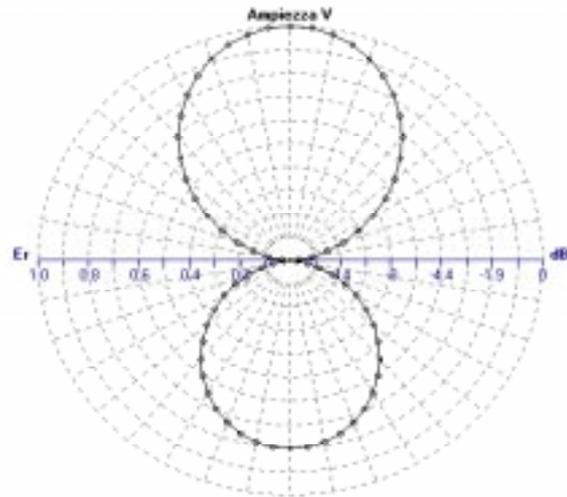
Mechanical Data

Hardware pole mounting	30 – 100 mm.
Dimensions	Depending of frequency tuning
Weight	Depending of frequency tuning
Materials	inox stainless steel, aluminium, ptfe, copper.
Radiator	
Materials: Mounting hardware	Galvanized steel
Insulator	PTFE (Teflon)
Dipole	stainless steel
Internal	Aluminium, Copper

RADIATION PATTERN



H Plane



V Plane

Model AJ1 Ex2 - AJ1 Ex2 HP

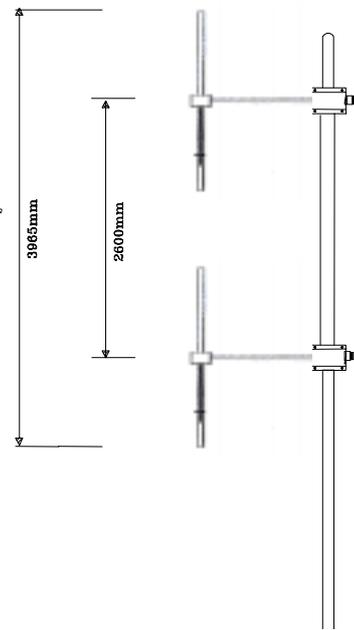
TWO GAMMA-MATCH DIPOLE ANTENNA SYSTEM

FM BAND 87.5-108 MHz.

- ECONOMICAL
- LOW PRICE
- HIGH PERFORMANCE
- DIFFERENT VERSIONS

Electrical Data

Model	AJ1 Ex2 - AJ1 Ex2 HP
Impedance	50 ohm.
Frequency Range	87.5 - 108 MHz. (4-5 MHz)
Gain	4 dB. (ref.to half wave dipole)
Polarization	linear horizontal or vertical
Combinations	The antenna is especially suitable as a component in array to achieve various radiation patterns.
VSWR	< 1.1
Max Power	800 W (AJ1 Ex2) 1000 W (AJ1 Ex2 HP)



System composition

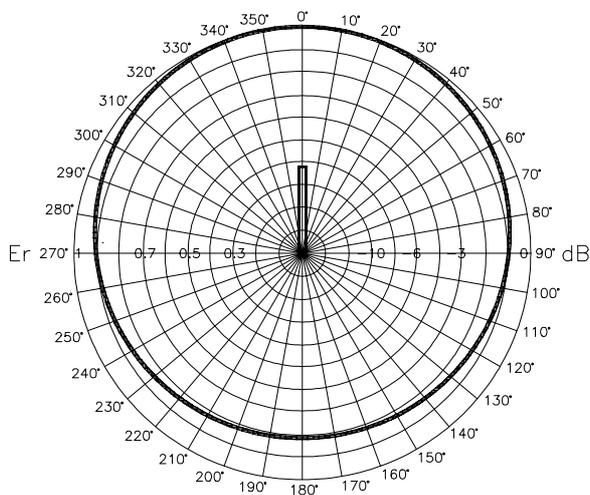
AJ1Ex2 - 2 AJ1 E, 2 ways wide-band splitter with N-type connectors and 2 coaxial cables RG213 with N-type end connectors.

AJ1Ex2 HP - 2 AJ1 E, 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.

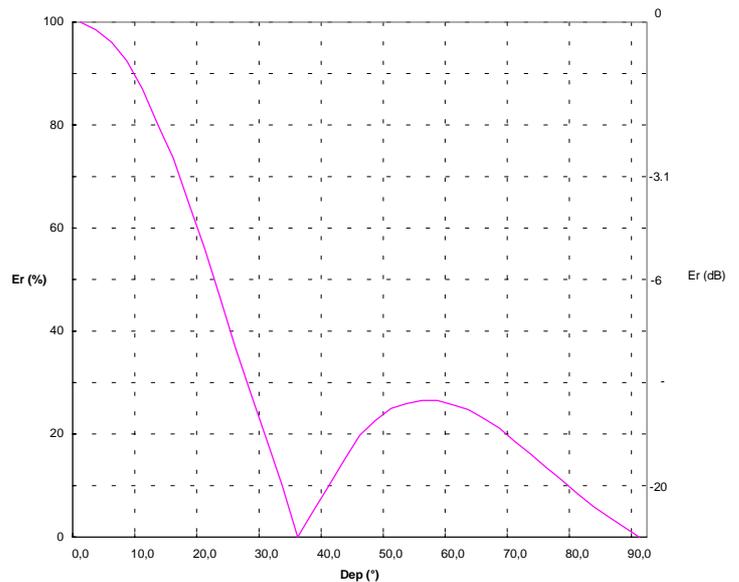
Mechanical Data

Hardware pole mounting	30 – 100 mm.
Dimensions	Depending of frequency tuning
Weight	Depending of frequency tuning
Materials	inox stainless steel, aluminium, ptfe, copper.
Radiator	
Materials: Mounting hardware	Galvanized steel
Insulator	PTFE (Teflon)
Dipole	stainless steel
Internal	Aluminium, Copper

Horizontal Pattern (F=98 MHz)



Vertical Diagram

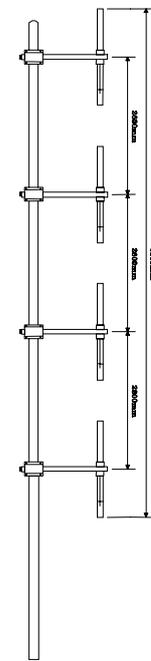


Model AJ1 Ex4.- AJ1 Ex4HP

FOUR GAMMA-MATCH DIPOLE ANTENNA SYSTEM

FM BAND 87.5-108 MHz.

- ECONOMICAL
- LOW PRICE
- HIGH PERFORMANCE
- DIFFERENT VERSIONS



Electrical Data

Model	AJ1 Ex4 - AJ1 Ex4HP
Impedance	50 ohm.
Frequency Range	87.5 - 108 MHz. (4-5 MHz)
Gain	7 dB. (ref.to half wave dipole)
Polarization	linear horizontal or vertical
Combinations	The antenna is especially suitable as a component in array to achieve various radiation patterns.
VSWR	< 1.1

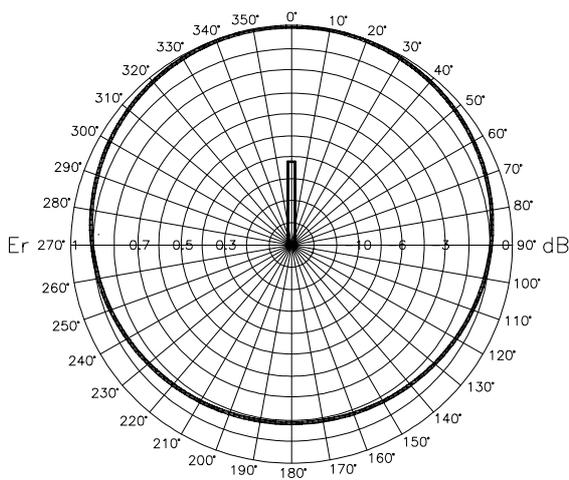
System composition

AJ1Ex4 - 4 AJ1 E, 4 ways wide-band splitter with N-type connectors and 4 coaxial cables RG213 with N-type end connectors.
AJ1Ex4 HP - 4 AJ1 E, 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.

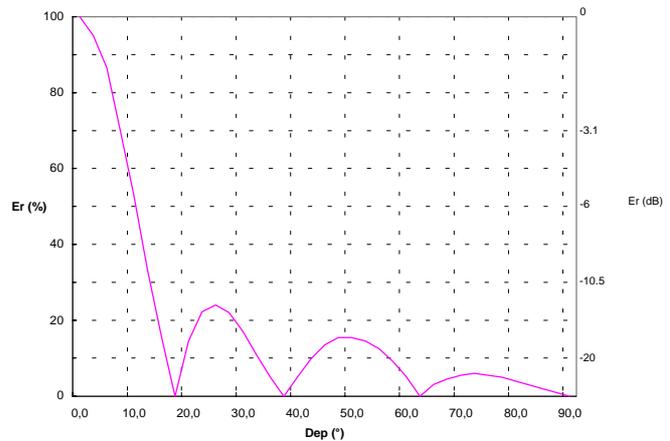
Mechanical Data

Hardware pole mounting	30 – 100 mm.
Dimensions	Depending of frequency tuning
Weight	Depending of frequency tuning
Materials	inox stainless steel, aluminium, ptfe, copper.
Radiator	
Materials: Mounting hardware	Galvanized steel
Insulator	PTFE (Teflon)
Dipole	stainless steel
Internal	Aluminium, Copper

Horizontal Pattern (F=98 MHz)



Vertical Diagram



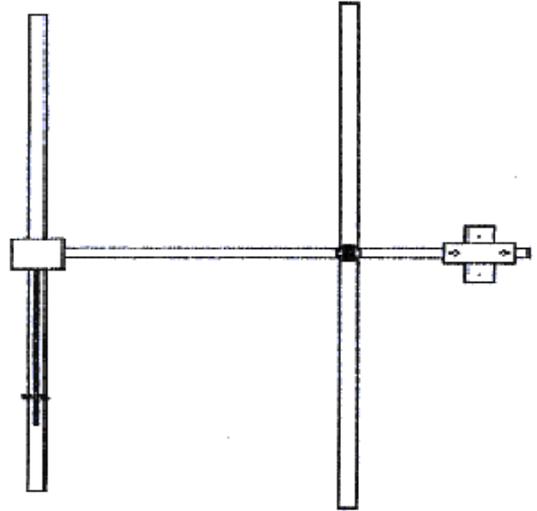
TUNED DIRECTIVE ANTENNAS

Model AJ2 E.

2 ELEMENTS TUNED YAGI ANTENNA

FM BAND 87.5-108 MHz.

- ECONOMICAL
- LOW PRICE
- HIGH PERFORMANCE
- DIFFERENT VERSIONS



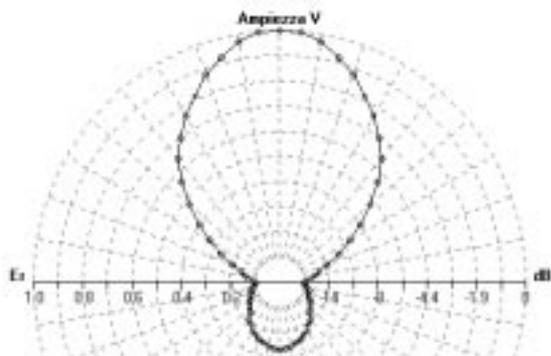
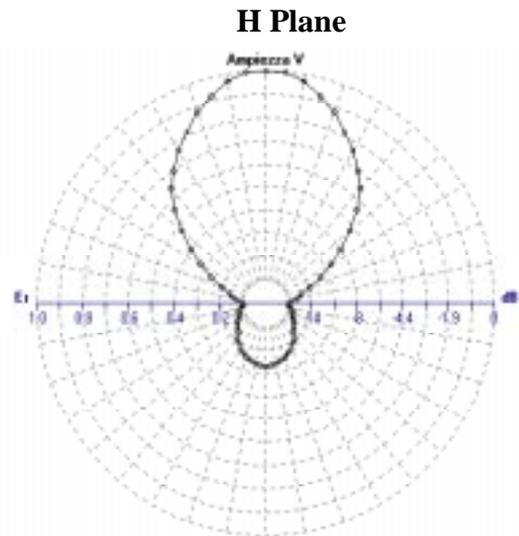
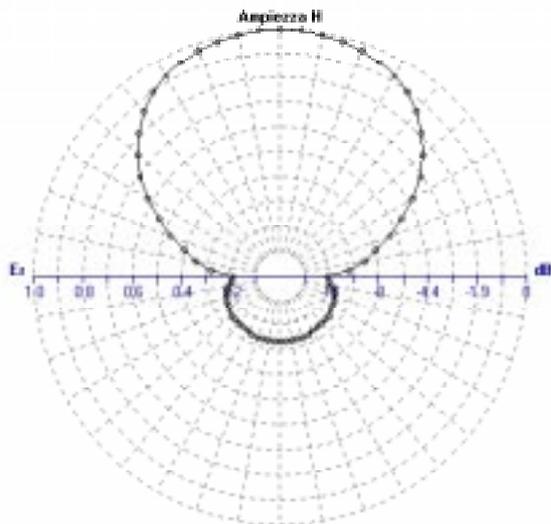
Electrical Data

Model	AJ2 E
Impedance	50 ohm.
Frequency Range	87.5 - 108 MHz. (4-5 MHz)
Gain	5 dB. (ref. to half wave dipole)
Polarization	linear horizontal or vertical
Combinations	The antenna is especially suitable as a component in array to achieve various radiation patterns.
VSWR	< 1.1

Mechanical Data

Hardware pole mounting	30 – 100 mm.
Dimensions	Depending of frequency tuning
Weight	Depending of frequency tuning
Materials	inox stainless steel, aluminium, ptfte, copper.
Radiator	
Materials: Mounting hardware	Galvanized steel
Insulator	PTFE (Teflon)
Dipole	stainless steel
Internal	Aluminium, Copper

RADIATION PATTERNS



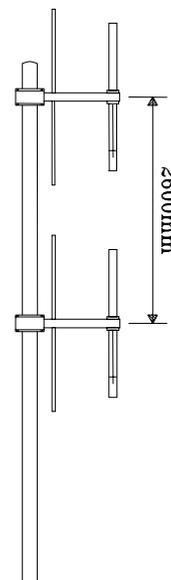
V Plane

Model AJ2 Ex2.

TWO 2 ELEMENTS TUNED YAGI ANTENNA SYSTEM

FM BAND 87.5-108 MHz.

- ECONOMICAL
- LOW PRICE
- HIGH PERFORMANCE
- DIFFERENT VERSIONS



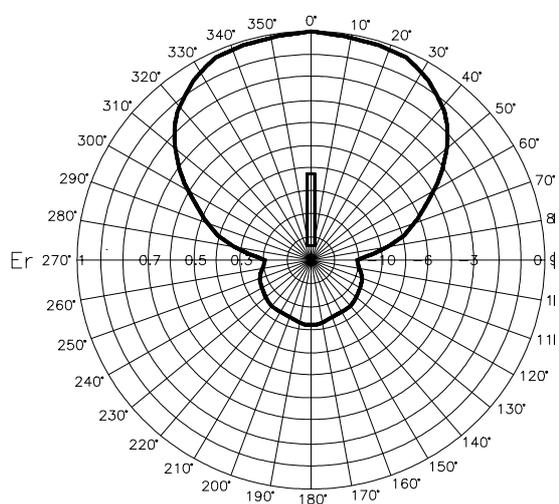
Electrical Data

Model	AJ2 Ex2
Impedance	50 ohm.
Frequency Range	87.5 - 108 MHz. (4-5 MHz)
Gain	8 dB. (ref.to half wave dipole)
Polarization	linear horizontal or vertical
Combinations	The antenna is especially suitable as a component in array to achieve various radiation patterns.
VSWR	< 1.1

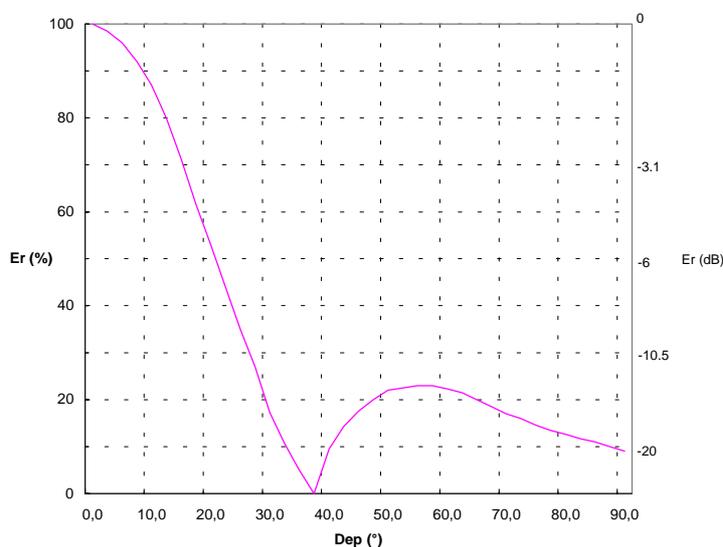
Mechanical Data

Dimensions	Depending of frequency tuning
Weight	Depending of frequency tuning
Materials	inox stainless steel, aluminium, ptfe, copper.
Radiator	
Materials: Mounting hardware	Galvanized steel
Insulator	PTFE (Teflon)
Dipole	stainless steel
Internal	Aluminium, Copper

HORIZONTAL PATTERN (F=98 MHz)



Vertical Diagram

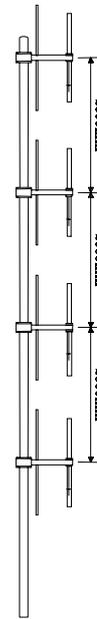


Model AJ2 Ex4.

FOUR 2 ELEMENTS TUNED YAGI ANTENNA SYSTEM

FM BAND 87.5-108 MHz.

- ECONOMICAL
- LOW PRICE
- HIGH PERFORMANCE
- DIFFERENT VERSIONS



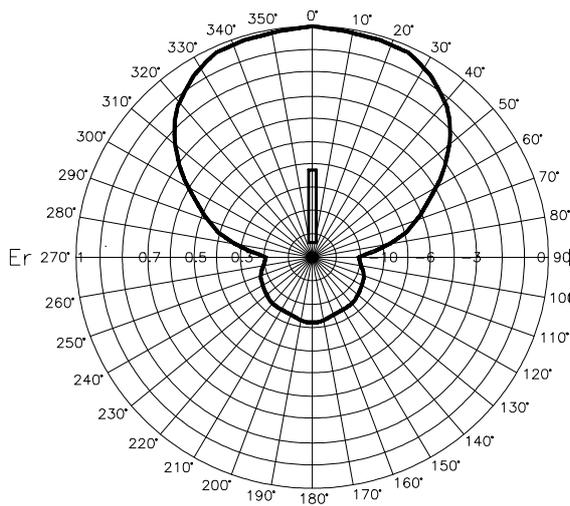
Electrical Data

Model	AJ2 Ex4
Impedance	50 ohm.
Frequency Range	87.5 - 108 MHz. (4-5 MHz)
Gain	11dB. (ref.to half wave dipole)
Polarization	linear horizontal or vertical
Combinations	The antenna is especially suitable as a component in array to achieve various radiation patterns.
VSWR	< 1.1

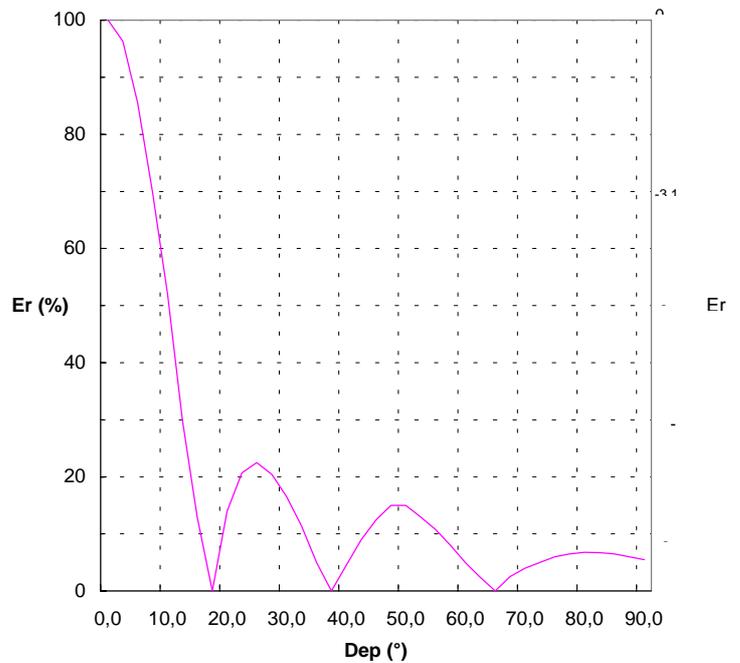
Mechanical Data

Dimensions	Depending of frequency tuning
Weight	Depending of frequency tuning
Materials	inox stainless steel, aluminium, ptfe, copper.
Radiators	
Materials: Mounting hardware	Galvanized steel
Insulator	PTFE (Teflon)
Dipole	stainless steel
Internal	Aluminium, Copper

HORIZONTAL PATTERN (F=98 MHz)



Vertical Diagram

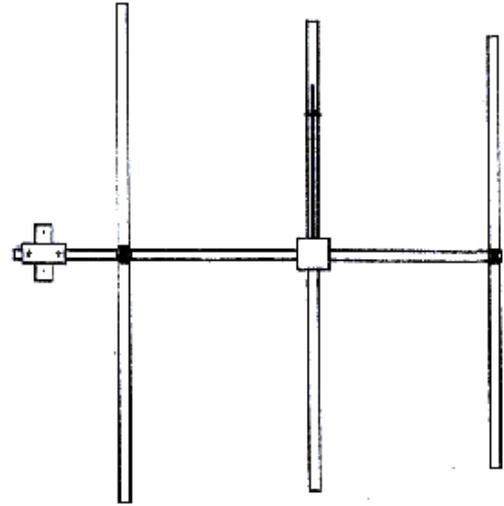


Model AJ3 E.

3 ELEMENTS TUNED YAGI ANTENNA

FM BAND 87.5-108 MHz.

- ECONOMICAL
- LOW PRICE
- HIGH PERFORMANCE
- DIFFERENT VERSIONS



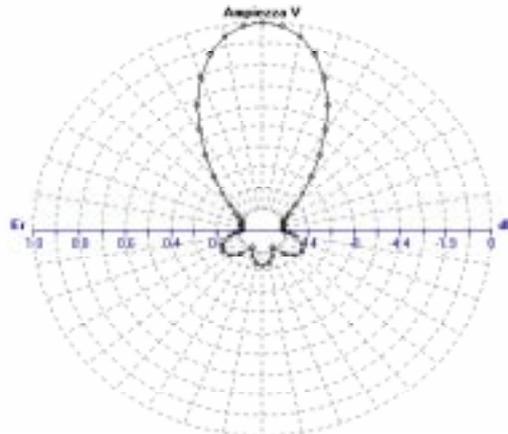
Electrical Data

Model	AJ3 E
Impedance	50 ohm.
Frequency Range	87.5 - 108 MHz. (4-5 MHz)
Gain	7dB. (ref. to half wave dipole)
Polarization	linear horizontal or vertical
Combinations	The antenna is especially suitable as a component in array to achieve various radiation patterns.
VSWR	< 1.1

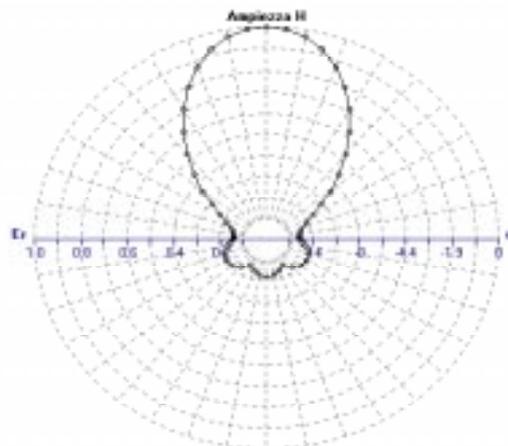
Mechanical Data

Dimensions	Depending of frequency tuning
Weight	Depending of frequency tuning
Materials	inox stainless steel, aluminium, ptfe, copper.
Radiator	
Materials: Mounting hardware	Galvanized steel
Insulator	PTFE (Teflon)
Dipole	stainless steel
Internal	Aluminium, Copper

RADIATION PATTERNS (F=98 MHz)



V Plane



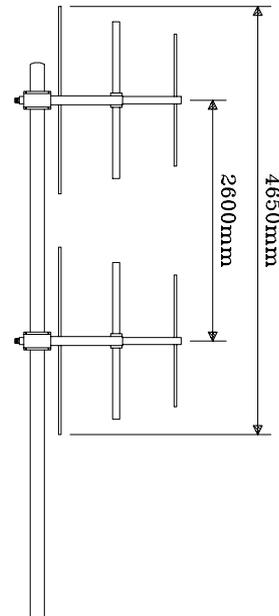
H Plane

Model AJ3 Ex2.

TWO 3 ELEMENTS TUNED YAGI ANTENNA

FM BAND 87.5-108 MHz.

- ECONOMICAL
- LOW PRICE
- HIGH PERFORMANCE
- DIFFERENT VERSIONS



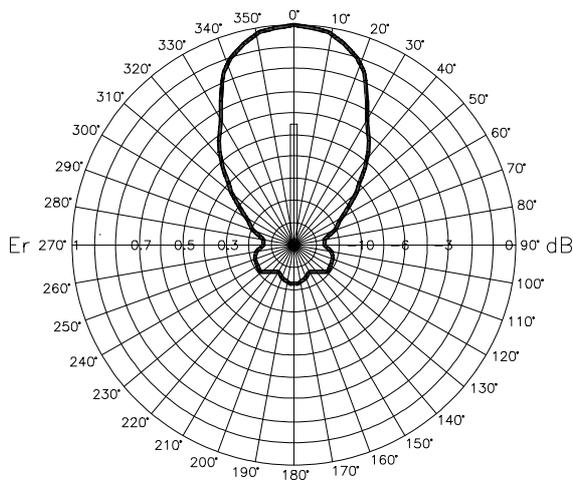
Electrical Data

Model	AJ3 Ex2
Impedance	50 ohm.
Frequency Range	87.5 - 108 MHz. (4-5 MHz)
Gain	10dB. (ref.to half wave dipole)
Polarization	linear horizontal or vertical
Combinations	The antenna is especially suitable as a component in array to achieve various radiation patterns.
VSWR	< 1.1

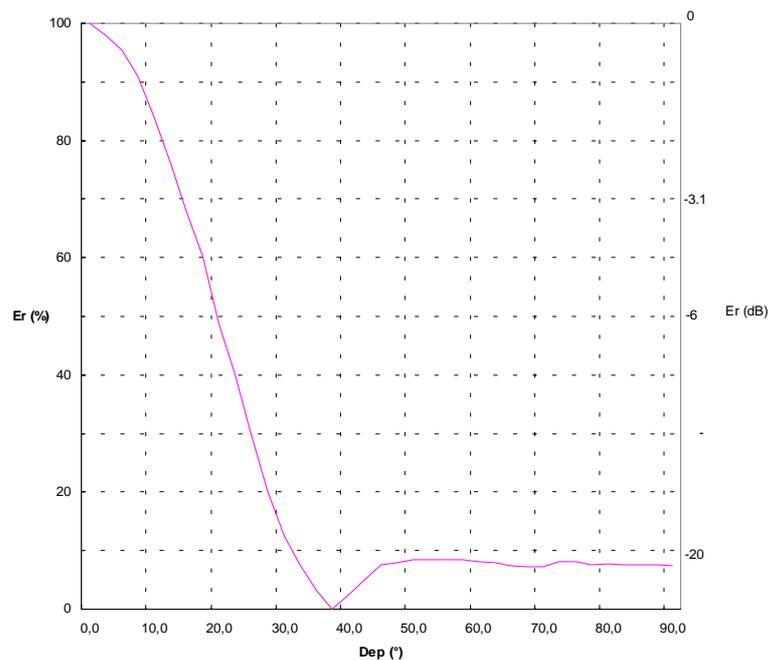
Mechanical Data

Dimensions	Depending of frequency tuning
Weight	Depending of frequency tuning
Materials	inox stainless steel, aluminium, ptfe, copper.
Radiator	
Materials: Mounting hardware	Galvanized steel
Insulator	PTFE (Teflon)
Dipole	stainless steel
Internal	Aluminium, Copper

HORIZONTAL PATTERN (F=98MHz)



Vertical Diagram

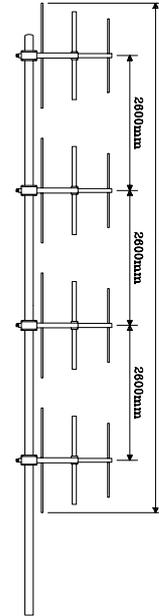


Model AJ3 Ex4.

FOUR 3 ELEMENTS TUNED YAGI ANTENNA

FM BAND 87.5-108 MHz.

- ECONOMICAL
- LOW PRICE
- HIGH PERFORMANCE
- DIFFERENT VERSIONS



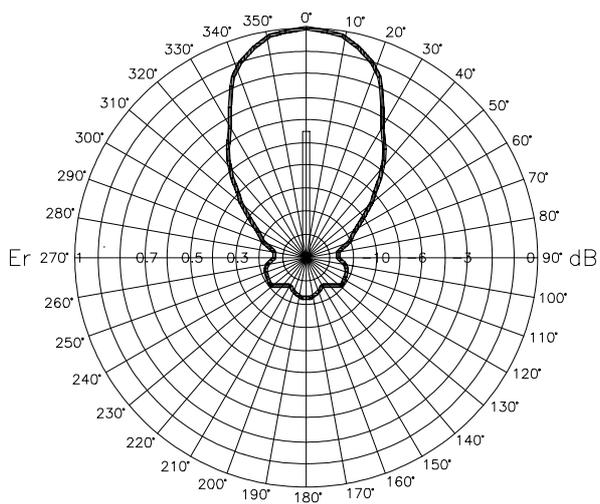
Electrical Data

Model	AJ3 Ex4
Impedance	50 ohm.
Frequency Range	87.5 - 108 MHz. (4-5 MHz)
Gain	13dB. (ref.to half wave dipole)
Polarization	linear horizontal or vertical
Combinations	The antenna is especially suitable as a component in array to achieve various radiation patterns.
VSWR	< 1.1

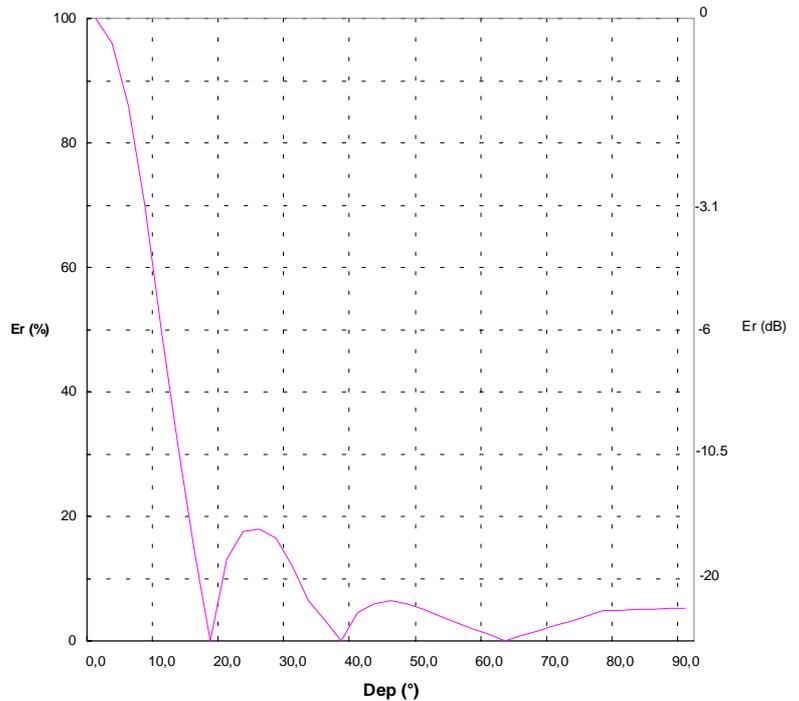
Mechanical Data

Dimensions	Depending of frequency tuning
Weight	Depending of frequency tuning
Materials	inox stainless steel, aluminium, ptfe, copper.
Radiator	
Materials: Mounting hardware	Galvanized steel
Insulator	PTFE (Teflon)
Dipole	stainless steel
Internal	Aluminium, Copper

HORIZONTAL PATTERN (F=98 MHz)



Vertical Diagram

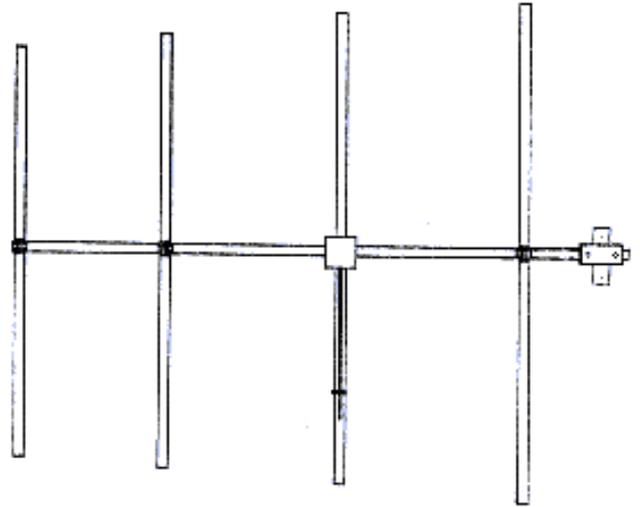


Model AJ4 E.

4 ELEMENTS TUNED YAGI ANTENNA

FM BAND 87.5-108 MHz.

- ECONOMICAL
- LOW PRICE
- HIGH PERFORMANCE
- DIFFERENT VERSIONS



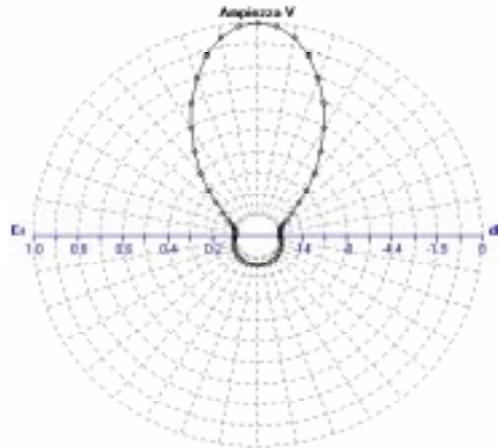
Electrical Data

Model	AJ4 E
Impedance	50 ohm.
Frequency Range	87.5 - 108 MHz. (4-5 MHz)
Gain	8 dB. (ref.to half wave dipole)
Polarization	linear horizontal or vertical
Combinations	The antenna is especially suitable as a component in array to achieve various radiation patterns.
VSWR	< 1.1

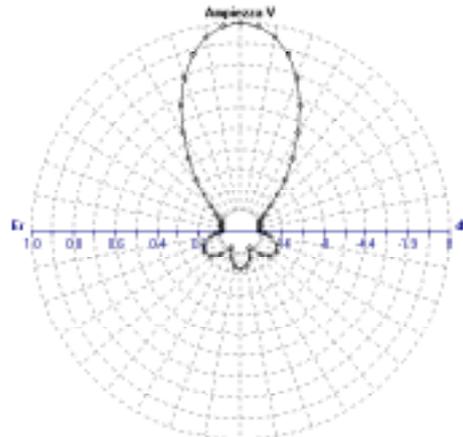
Mechanical Data

Dimensions	Depending of frequency tuning
Weight	Depending of frequency tuning
Materials	inox stainless steel, aluminium, ptfe, copper.
Radiator	
Materials: Mounting hardware	Galvanized steel
Insulator	PTFE (Teflon)
Dipole	stainless steel
Internal	Aluminium, Copper

RADIATION PATTERNS



V Plane



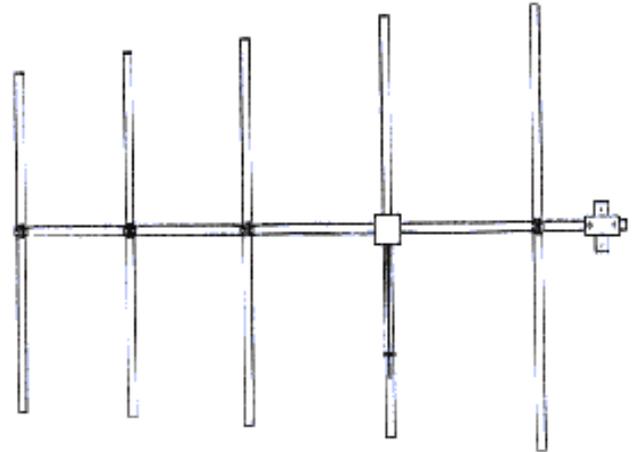
H Plane

Model AJ5 E.

5 ELEMENTS TUNED YAGI ANTENNA

FM BAND 87.5-108 MHz.

- ECONOMICAL
- LOW PRICE
- HIGH PERFORMANCE
- DIFFERENT VERSIONS



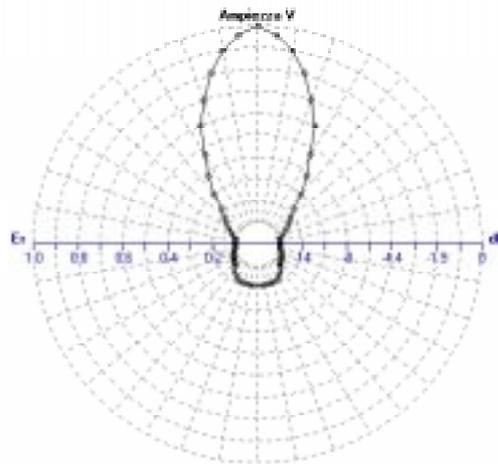
Electrical Data

Model	AJ5 E
Impedance	50 ohm.
Frequency Range	87.5 - 108 MHz. (4-5 MHz)
Gain	9.5 dB. (ref. to half wave dipole)
Polarization	linear horizontal or vertical
Combinations	The antenna is especially suitable as a component in array to achieve various radiation patterns.
VSWR	< 1.1

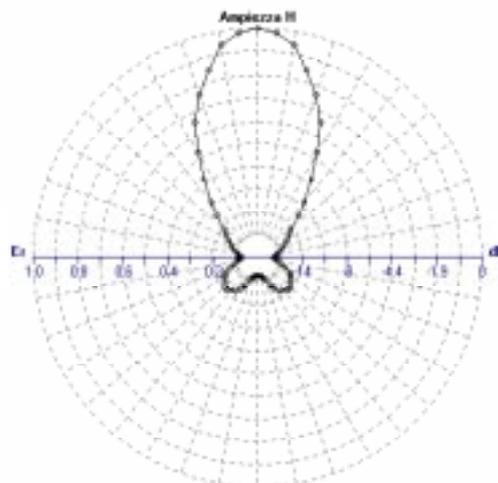
Mechanical Data

Dimensions	Depending of frequency tuning
Weight	Depending of frequency tuning
Materials	inox stainless steel, aluminium, ptfe, copper.
Radiator	
Materials: Mounting hardware	Galvanized steel
Insulator	PTFE (Teflon)
Dipole	stainless steel
Internal	Aluminium, Copper

RADIATION PATTERNS (F=98 MHz)



V Plane



H Plane