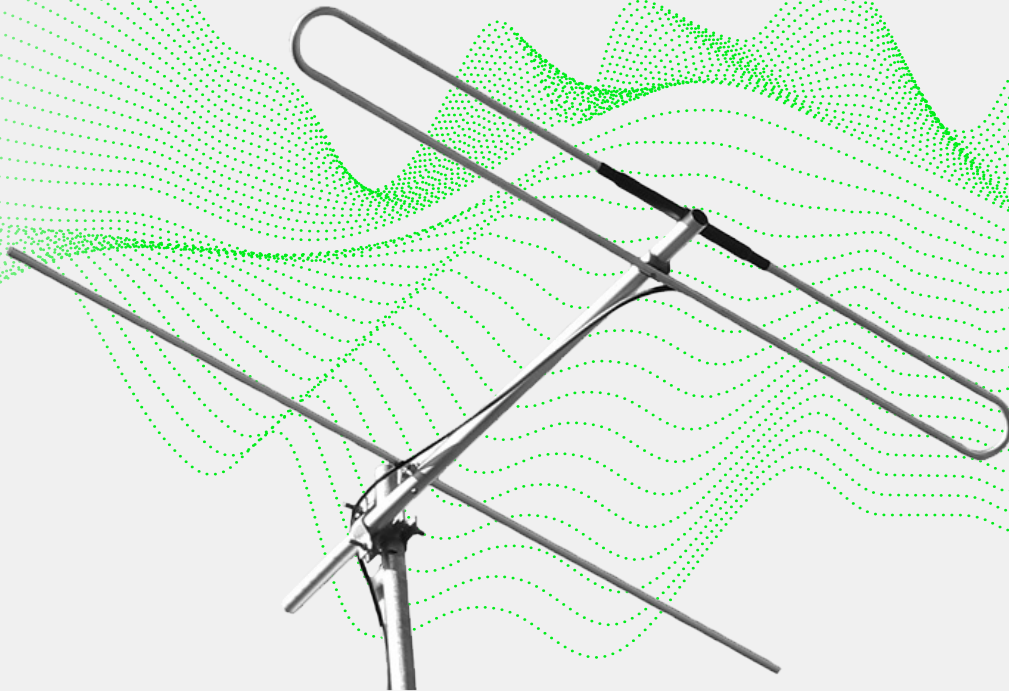


RFE

MAKING
BROADCAST
SMARTER

2-Elements Yagi Antenna DY2

ANTENNA SYSTEMS





RFE

MAKING
BROADCAST
SMARTER

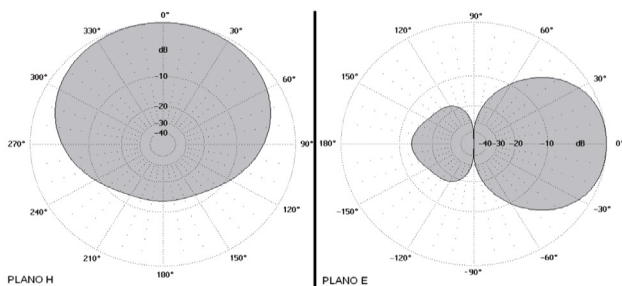
PRODUCT DESCRIPTION

2-Elements Yagi Antenna DY2



PRODUCT DESCRIPTION

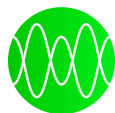
DY2 is a 2-elements yagi antenna, with linear polarization and directional pattern. Ideal for low-medium power broadcast application, it is detachable for easy packing and shipping.



MAIN FEATURES

- 87,5-108 MHz Broadband.
- Suitable for collinear stacks.
- Robust construction in stainless steel
- ICE protection
- Linear polarization
- Directional
- Low-medium power
- Detachable for easy packing and shipping





ELECTRICAL DATA

Frequency Range	87.5÷108 MHz
Gain [Max ÷ Average]	3 ÷ 2.6 dBd
VSWR	≤1.25÷1 Broadband
Half Power Beam	E plane 70° — H plane 150°
Front to back Ratio [F/B]	>13 dB
Polarization	Linear
Connector	DIN 7/16" or EIA 7/8"
Max Power Rating	2.5 Kw or 5 Kw
Input Impedance	50 Ω
Lighting Protection	DC Grounded

MECHANICAL DATA

Size [A x B x C]	1960x1060x55mm
Weight	6 Kg
Wind Load	12 Kg @ 160 Km/h
Max Wind Speed	Front 220Km/h — Side 200Km/h
Materials	Body and screw in stainless steel AISI 316, internal parts in silver-plated copper and PTFE.
Mounting	Suitable mast diameter: 50 - 100 mm
Packing [AxBxC]	2000x1200x100 mm

NOTE: RADIATION PATTERN, GAIN, F/B AND HALF POWER BEAM WIDTH ANALYZED WITH TOWER INFLUENCE

N° OF BAYS	N° OF FACES	GAIN [dBd]	LENGTH mm
1	1	2.6	1500
2	1	5.6	4500
3	1	7.3	7500
4	1	8.6	10500
5	1	9.6	13500
6	1	10.4	16500
7	1	11.0	19500
8	1	11.6	22500
9	1	12.1	25200
10	1	12.6	28500

NOTE: ARRAY GAIN REFERRED TO ANTENNA AVERAGE GAIN.

