

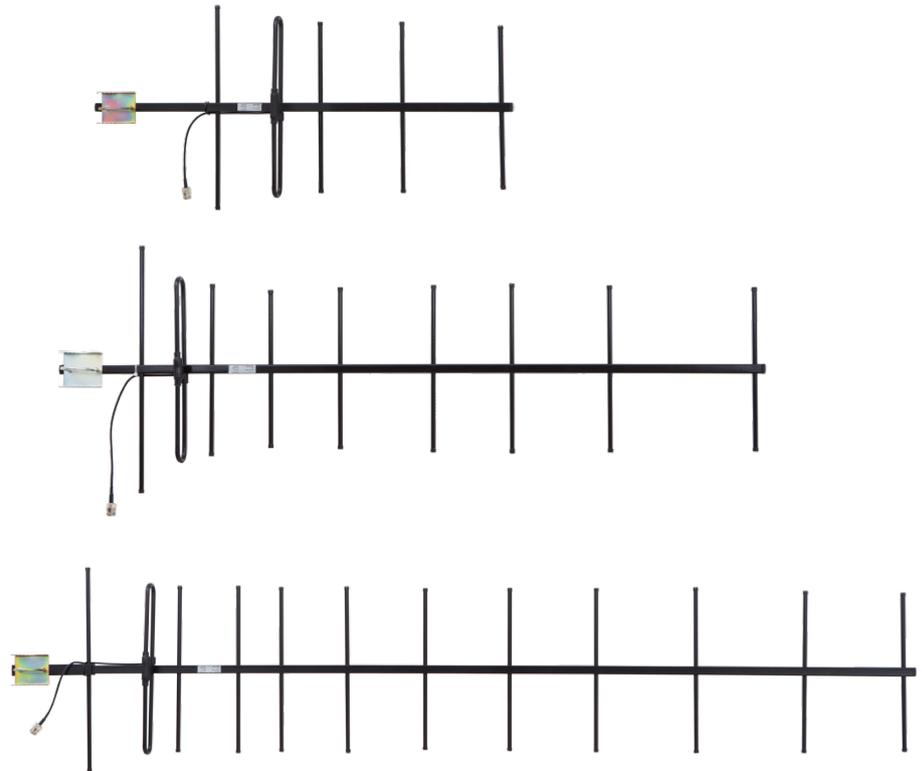
AY450xxD series is a 5, 9 or 12 elements wide bandwidth light weight directional antenna with folded dipole as driven element designed for various point to point as well as point / multipoint application.

Folded driven element incorporates “balun” matching circuit optimized for wide bandwidth and accurate matching. All components of antenna are DC- grounded for better lightning and antistatic protection.

Antenna is made of AD31 (T6063) galvanized aluminium and covered with black polymer powdered coating. Boom material is 15 by 15 mm square tube and elements are made of 8 mm OD tube. Elements are mounted through the boom and fixed with self tapping screws. The antenna is supplied with 0,2 m long “tail” terminated with an N type female connector.

AY450xD includes mounting hardware — a U-bolt and special mounting bracket for rear mounting to the mast (30–40mm OD) for either vertical or horizontal polarization.

Antenna is shipped fully assembled, central bandwidth frequency must be specified in customer’s order.



AY 45 xx D	“Yagi” antenna frequency band (45=450 MHz) number of elements folded dipole vibrator	AY4505D	AY4509D	AY45012D
	Elements	5	9	12
	Frequency range, MHz	403 – 470	403 – 470	403 – 470
	Bandwidth, MHz	50	50	50
	SWR	< 1,5	< 1,5	< 1,5
	Power rating, W	100	100	100
	Gain, dBd	5,6	10	12
	Front to Back ratio, dB	22	22	20
	Beamwidth (H-plane)	48	40	36
	Beamwidth (E-plane)			
	Nominal impedance, Ohm	50	50	50
	Dimensions (HxL), mm	395 x 700	395 x 1080	395 x 1500
	Weight, kg	0,55	0,65	1,05