

AU600-2,45 AND AU600-2,45R RADIO RELAY ANTENNAS



The antenna in the picture is AU600-2,45R. AU600-2,45 is equipped with a conical radome.

Type	AU600-2,45	AU600-2,45R
Frequency	2,4GHz...2,5GHz	2,4GHz...2,5GHz
Bandwidth	0,1 GHz	0,1 GHz
Impedance	50 Ω	50 Ω
VSWR	1,5 max	1,5 max
Polarisation	Horisontal or vertical	Horisontal or vertical
Polarisation adjustment	$\pm 5^\circ$	$\pm 5^\circ$
Cross polar discrimination	25 dB	25 dB
Inter port isolation (1)	25 dB	25 dB
Gain (Topband)	20,7 dBi	20,7 dBi
Gain (Midband)	20,5 dBi	20,5 dBi
Gain (Bottomband)	20,3 dBi	20,3 dBi
3 dB beamwidth at midband	13,0°	13,0°
Front to back ratio (2)	20 dB	30 dB
Max. Continuous power	0,5 kW	0,5 kW
RF-connector/Flange	N female	N female
Waveguide type	-	-
Operational windspeed	40 m/s	40 m/s
Survival wind speed	55 m/s	55 m/s
Wind area	XX m ² (more information available on request)	XX m ² (more information available on request)
Dimensions	See separate brochure on dimensions	See separate brochure on dimensions
Weight with mounting accessories	See separate brochure on dimensions	See separate brochure on dimensions
Packing dimensions/gross weight	800 x 700 x 1000 mm, 40 kg	800 x 700 x 1000 mm, 40 kg
Mounting diameter	Default 30...115 mm	Default 30...115 mm
Azimuth adjustment	$\pm 5^\circ$	$\pm 5^\circ$
Elevation adjustment	$\pm 5^\circ$	$\pm 5^\circ$
Materials	Aluminium Glassfiber radome	Aluminium UV stabilised PVC-radome
Options	Mounting tube diameter Wind rating Connector type Larger adjustment option	Mounting tube diameter Wind rating Connector type Larger adjustment option

(1) Only in dual polarised antennas.

(2) F/B for antennas without shroud $180^\circ \pm 40^\circ$. F/B for antennas without shroud $180^\circ \pm 80^\circ$.

Radiation pattern envelopes available on request

AU1200-2,45 AND AU1200-2,45R RADIO RELAY ANTENNAS



The antenna in the picture is AU1200-2,45R. AU1200-2,45 is equipped with a conical radome.



Two AU1200-2,45 antennas.

Type	AU1200-2,45	AU1200-2,45R
Frequency	2,4GHz...2,5GHz	2,4GHz...2,5GHz
Bandwidth	0,1 GHz	0,1 GHz
Impedance	50 Ω	50 Ω
VSWR	1,3 max	1,3 max
Polarisation	Horisontal or vertical	Horisontal or vertical
Polarisation adjustment	$\pm 5^\circ$	$\pm 5^\circ$
Cross polar discrimination	25 dB	25 dB
Inter port isolation (1)	25 dB	25 dB
Gain (Topband)	27,2 dBi	27,2 dBi
Gain (Midband)	27,0 dBi	27,0 dBi
Gain (Bottomband)	26,8 dBi	26,8 dBi
3 dB beamwidth at midband	6,5°	6,5°
Front to back ratio (2)	28 dB	35 dB
Max. Continuous power	0,5 kW	0,5 kW
RF-connector/Flange	N female	N female
Waveguide type	-	-
Operational windspeed	40 m/s	40 m/s
Survival wind speed	55 m/s	55 m/s
Wind area	XX m ² (more information available on request)	XX m ² (more information available on request)
Dimensions	See separate brochure on dimensions	See separate brochure on dimensions
Weight with mounting accessories	See separate brochure on dimensions	See separate brochure on dimensions
Packing dimensions/gross weight	1530 x 1100 x 1540 mm, 87 kg	1530 x 1100 x 1540 mm, 110 kg
Mounting diameter	Default 30...115 mm	Default 30...115 mm
Azimuth adjustment	$\pm 5^\circ$	$\pm 5^\circ$
Elevation adjustment	$\pm 5^\circ$	$\pm 5^\circ$
Materials	Aluminium Glassfiber radome	Aluminium UV stabilised PVC-radome
Options	Mounting tube diameter Wind rating Connector type Larger adjustment option	Mounting tube diameter Wind rating Connector type Larger adjustment option

(1) Only in dual polarised antennas.

(2) F/B for antennas without shroud $180^\circ \pm 40^\circ$. F/B for antennas without shroud $180^\circ \pm 80^\circ$.

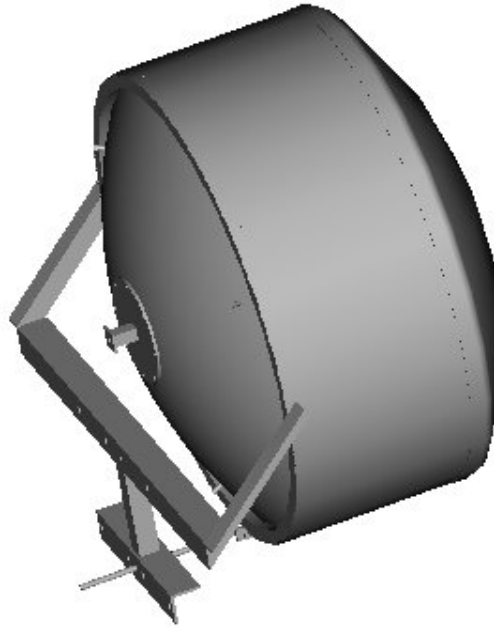
Radiation pattern envelopes available on request

AU850-2,4 PARABOLIC REFLECTOR ANTENNA



Type	AU850-2,4
Frequency	2,4...2,5 GHz
Bandwidth	100 MHz
Impedance	50 Ω DC grounded
VSWR	1,3 max
Polarisation	Horizontal or vertical
Gain	24 dBi
E-plane 3 dB beamwidth	10°
H-plane 3 dB beamwidth	10°
Electrical downtilt	None
Front to back ratio	25 dB
Max. Continuous power	0,5 kW
RF-connector	N female
Operational windspeed	40 m/s (default)
Survival windspeed	55 m/s (default)
Wind area	0,85 m ²
Dimensions (ØxH)	850x600 mm
Weight	9 kg
Mounting diameter	Ø 30...115 mm pipe
Materials	Aluminium
Options	-

AU850-2,45R PARABOLIC REFLECTOR ANTENNA



Type	AU850-2,45R
Frequency	2,4...2,5 GHz
Bandwidth	100 MHz
Impedance	50 Ω
VSWR	1,3 max
Polarisation	Horizontal or vertical
Gain	24 dBi
E-plane 3 dB beamwidth	10°
H-plane 3 dB beamwidth	10°
Electrical downtilt	None
Front to back ratio	30 dB
Max. Continuous power	0,5 kW
RF-connector	N female
Operational windspeed	40 m/s (default)
Survival windspeed	55 m/s (default)
Wind area	0,95 m ²
Dimensions (ØxH)	850x600 mm
Weight	31,5 kg
Mounting diameter	Ø 30...115 mm pipe
Materials	Aluminium Glassfiber radome Glass reinforced PE
Options	-

OMNIDIRECTIONAL WLAN ANTENNA AV1433



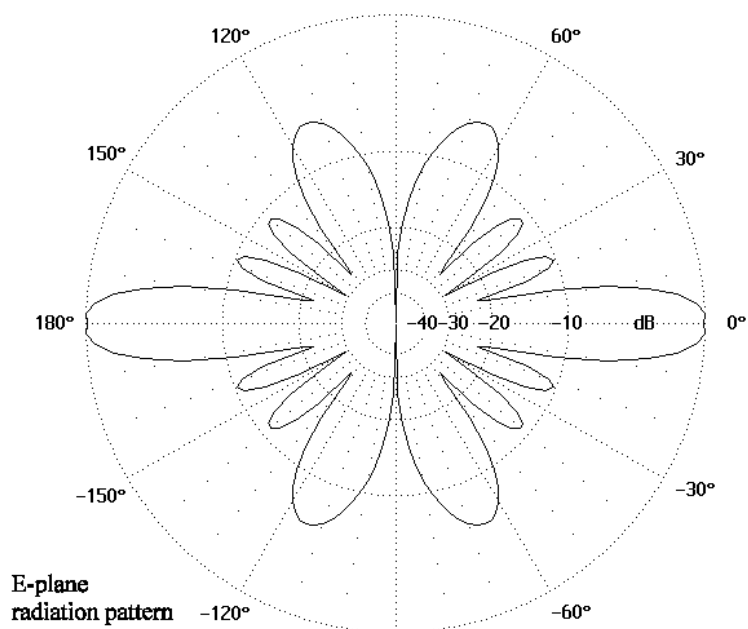
Type	AV1433
Frequency	2,4...2,5 GHz
Bandwidth	100 MHz
Impedance	50 Ω
VSWR	1,5 max
Polarisation	Vertical
Gain	2 dBi
E-plane 3 dB beamwidth	70°
H-plane 3 dB beamwidth	-
Electrical downtilt	None
Front to back ratio	-
Max. Continuous power	0,5 kW
RF-connector	N female
Operational windspeed	40 m/s (default)
Survival windspeed	55 m/s (default)
Wind area	Not relevant
Dimensions ($\varnothing$ x H)	$\varnothing$ 90 base plate x 200 mm
Weight	0,2 kg
Mounting	Surface mounting
Materials	Aluminium Glass reinforced PE Glassfiber radome
Options	-

AV1434 OMNIDIRECTIONAL WLAN ANTENNA



Type	AV1434
Frequency	2,4...2,5 GHz
Bandwidth	0,1 GHz
Impedance	50 Ω DC grounded
VSWR	1,5 max
Polarisation	Vertical
Gain	5 dBi
E-plane 3 dB beamwidth	30°
H-plane 3 dB beamwidth	360°
Electrical downtilt	None
Front to back ratio	-
Max. Continuous power	0,5 kW
RF-connector	7/16 or N female
Operational windspeed	40 m/s (default)
Survival windspeed	55 m/s (default)
Wind area	0,07 m ²
Dimensions (ØxH)	106x400 mm
Weight	2 kg
Mounting diameter	Ø 30...115 mm pipe
Materials	Aluminium Glassfiber radome Glass reinforced PE
Options	Colour

AV1438 OMNIDIRECTIONAL WLAN ANTENNA



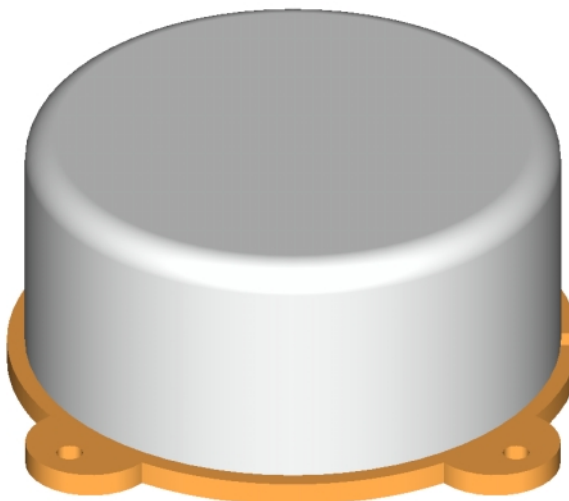
Type	AV1438
Frequency	2,4...2,5 GHz
Bandwidth	0,1 GHz
Impedance	50 Ω DC grounded
VSWR	1,5 max
Polarisation	Vertical
Gain	8 dBi
E-plane 3 dB beamwidth	15°
H-plane 3 dB beamwidth	360°
Electrical downtilt	None
Front to back ratio	-
Max. Continuous power	0,2 kW
RF-connector	7/16 or N female
Operational windspeed	40 m/s (default)
Survival windspeed	55 m/s (default)
Wind area	0,07 m ²
Dimensions (ØxH)	106x690 mm
Weight	3 kg
Mounting diameter	Ø 30...115 mm pipe
Materials	Aluminium Glassfiber radome Glass reinforced PE
Options	Colour

AV1439 DIRECTIONAL WLAN ANTENNA



Type	AV1439
Frequency	2,4...2,5 GHz
Bandwidth	0,1 GHz
Impedance	50 Ω DC grounded
VSWR	1,5 max
Polarisation	Vertical
Gain	11 dBi
E-plane 3 dB beamwidth	15°
H-plane 3 dB beamwidth	150°
Electrical downtilt	None
Front to back ratio	10 dB
Max. Continuous power	0,5 kW
RF-connector	7/16 or N female
Operational windspeed	40 m/s (default)
Survival windspeed	55 m/s (default)
Wind area	0,07 m ²
Dimensions (ØxH)	106x690 mm
Weight	3 kg
Mounting diameter	Ø 30...115 mm pipe
Materials	Aluminium Glassfiber radome Glass reinforced PE
Options	Colour

AV1479 OMNIDIRECTIONAL WLAN ANTENNA



Type	AV1479
Frequency	2,4...2,5 GHz
Bandwidth	0,1 GHz
Impedance	50 Ω DC grounded
VSWR	1,5 max
Polarisation	Vertical
Gain	0 dBi
E-plane 3 dB beamwidth	80°
H-plane 3 dB beamwidth	360°
Electrical downtilt	None
Front to back ratio	-
Max. Continuous power	0,5 kW
RF-connector	N or TNC female
Operational windspeed	40 m/s (default)
Survival windspeed	55 m/s (default)
Wind area	0,001 m ²
Dimensions (HxWxD)	45x94x94 mm
Weight	0,2 kg
Mounting diameter	Ø 30...115 mm pipe
Materials	Aluminium baseplate Glassfiber radome Copper radiator
Options	Colour

AV2410 DIRECTIONAL WLAN ANTENNA



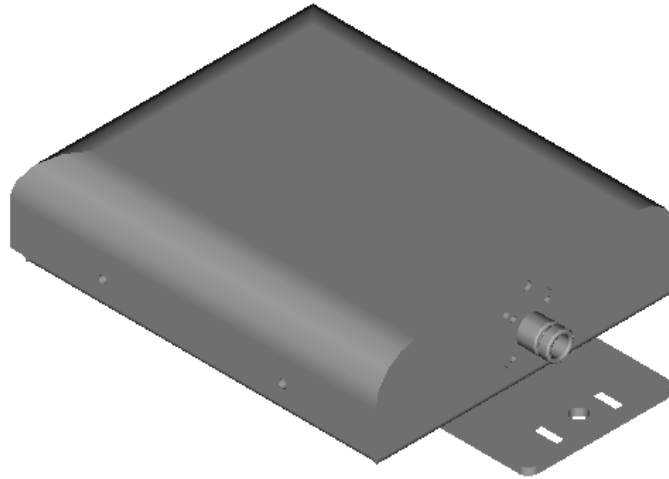
Type	AV2410
Frequency	2,4...2,5 GHz
Bandwidth	0,1 GHz
Impedance	50 Ω DC grounded
VSWR	1,5 max
Polarisation	Vertical or horisontal
Gain	8,5 dBi
E-plane 3 dB beamwidth	70°
H-plane 3 dB beamwidth	70°
Electrical downtilt	None
Front to back ratio	15 dB
Max. Continuous power	0,2 kW
RF-connector	SMA female on a 140 mm jumper
Operational windspeed	40 m/s (default)
Survival windspeed	55 m/s (default)
Wind area	0,03 m ²
Dimensions (HxWxD)	125x125x50 mm
Weight	0,1 kg
Mounting	Wall mount included
Materials	Aluminium ABS radome
Options	Colour

AV2420 DIRECTIONAL WLAN ANTENNA



Type	AV2420
Frequency	2,4...2,5 GHz
Bandwidth	0,1 GHz
Impedance	50 Ω DC grounded
VSWR	1,5 max
Polarisation	Vertical or horisontal
Gain	6 dBi
E-plane 3 dB beamwidth	80°
H-plane 3 dB beamwidth	120°
Electrical downtilt	None
Front to back ratio	10-15 dB
Max. Continuous power	0,5 kW
RF-connector	7/16 or N female
Operational windspeed	40 m/s (default)
Survival windspeed	55 m/s (default)
Wind area	0,006 m ²
Dimensions (HxWxD)	100x40x60 mm
Weight	0,2 kg
Mounting	Wall mount included
Materials	Aluminium Glassfiber radome Glass reinforced PE
Options	Colour

AV2460 AND AV2462 DIRECTIONAL WLAN ANTENNAS



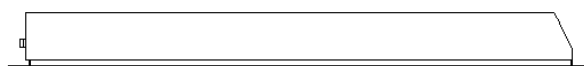
Type	AV2460	AV2462
Frequency	2,4...2,5 GHz	2,4...2,5 GHz
Bandwidth	0,1 GHz	0,1 GHz
Impedance	50 Ω DC grounded	50 Ω DC grounded
VSWR	1,5 max	1,5 max
Polarisation	Vertical	Vertical
Gain	10 dBi	13 dBi
E-plane 3 dB beamwidth	55°	25°
H-plane 3 dB beamwidth	65°	65°
Electrical downtilt	None	None
Front to back ratio	20 dB	20 dB
Max. Continuous power	0,5 kW	0,5 kW
RF-connector	7/16 or N female	7/16 or N female
Operational windspeed	40 m/s (default)	40 m/s (default)
Survival windspeed	55 m/s (default)	55 m/s (default)
Wind area	0,07 m ²	0,96 m ²
Dimensions (HxWxD)	200x160x50 mm	300x160x50 mm
Weight	0,7 kg	1,8 kg
Mounting diameter	Ø 30...115 mm pipe	Ø 30...115 mm pipe
Materials	Aluminium Glassfiber radome Glass reinforced PE	Aluminium Glassfiber radome Glass reinforced PE
Options	Colour	Colour

AV2492 AND AV2494 DIRECTIONAL WLAN ANTENNAS



Type	AV2492	AV2494
Frequency	2,4...2,5 GHz	2,4...2,5 GHz
Bandwidth	0,1 GHz	0,1 GHz
Impedance	50 Ω DC grounded	50 Ω DC grounded
VSWR	1,5 max	1,5 max
Polarisation	Vertical	Vertical
Gain	10 dBi	13 dBi
E-plane 3 dB beamwidth	25°	15°
H-plane 3 dB beamwidth	90°	90°
Electrical downtilt	None	None
Front to back ratio	15 dB	15 dB
Max. Continuous power	0,5 kW	0,5 kW
RF-connector	7/16 or N female	7/16 or N female
Operational windspeed	40 m/s (default)	40 m/s (default)
Survival windspeed	55 m/s (default)	55 m/s (default)
Wind area	0,096 m ²	0,18 m ²
Dimensions (HxWxD)	300x160x50 mm	560x160x50 mm
Weight	1,2 kg	1,8 kg
Mounting diameter	Ø 30...115 mm pipe	Ø 30...115 mm pipe
Materials	Aluminium Glassfiber radome Glass reinforced PE	Aluminium Glassfiber radome Glass reinforced PE
Options	Colour	Colour

AV2498 DIRECTIONAL WLAN ANTENNA



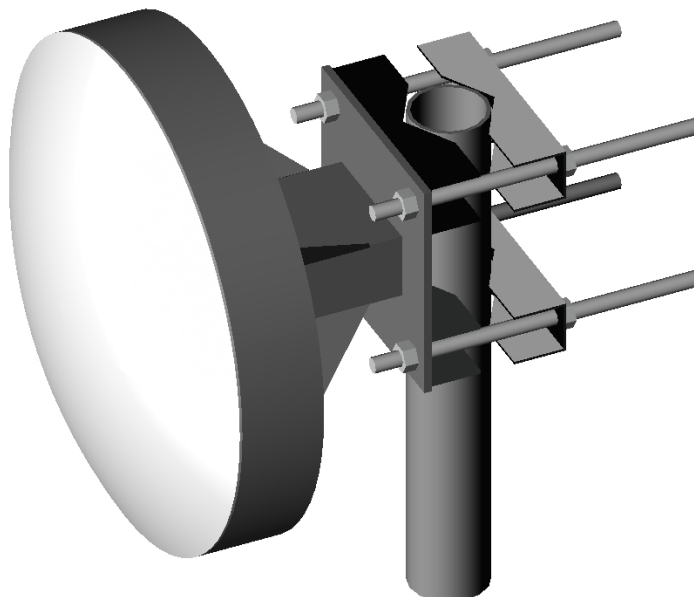
Type	AV2498
Frequency	2,4...2,5 GHz
Bandwidth	0,1 GHz
Impedance	50 Ω DC grounded
VSWR	1,5 max
Polarisation	Vertical
Gain	16 dBi
E-plane 3 dB beamwidth	9°
H-plane 3 dB beamwidth	90°
Electrical downtilt	None
Front to back ratio	15 dB
Max. Continuous power	150 W
RF-connector	N-female
Operational windspeed	40 m/s (default)
Survival windspeed	55 m/s (default)
Wind area	0,35 m ²
Dimensions (HxWxD)	1050x160x100 mm
Weight	2,5 kg
Mounting diameter	Ø 30...115 mm pipe
Materials	Aluminium Glassfiber radome Glass reinforced PE
Options	Colour

AV2492-H DIRECTIONAL WLAN ANTENNA



Type	AV2492-H
Frequency	2,4...2,5 GHz
Bandwidth	0,1 GHz
Impedance	50 Ω DC grounded
VSWR	1,5 max
Polarisation	Horisontal
Gain	10 dBi
E-plane 3 dB beamwidth	50°
H-plane 3 dB beamwidth	45°
Electrical downtilt	None
Front to back ratio	15 dB
Max. Continuous power	0,5 kW
RF-connector	7/16 or N female
Operational windspeed	40 m/s (default)
Survival windspeed	55 m/s (default)
Wind area	0,096 m ²
Dimensions (HxWxD)	300x160x50 mm
Weight	1,2 kg
Mounting diameter	Ø 30...115 mm pipe
Materials	Aluminium Glassfiber radome Glass reinforced PE
Options	Colour

AV6502 SHORT BACKFIRE ANTENNA



Type	AV6502
Frequency	2,4...2,5 GHz
Bandwidth	0,1 GHz
Impedance	50 Ω
VSWR	1,5 max
Polarisation	Vertical or horizontal
Gain	18 dBi
E-plane 3 dB beamwidth	20°
H-plane 3 dB beamwidth	20°
Electrical downtilt	None
Front to back ratio	30 dB
Max. Continuous power	0,5 kW
RF-connector	7/16 or N female
Operational windspeed	40 m/s (default)
Survival windspeed	55 m/s (default)
Wind area	0,17 m ²
Dimensions (ØxH)	400x200 mm
Weight	5 kg
Mounting diameter	Ø 30...115 mm pipe
Materials	Aluminium Glassfiber radome
Options	Colour