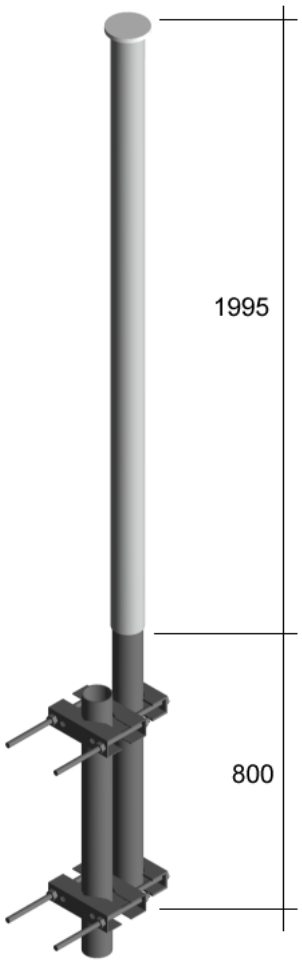
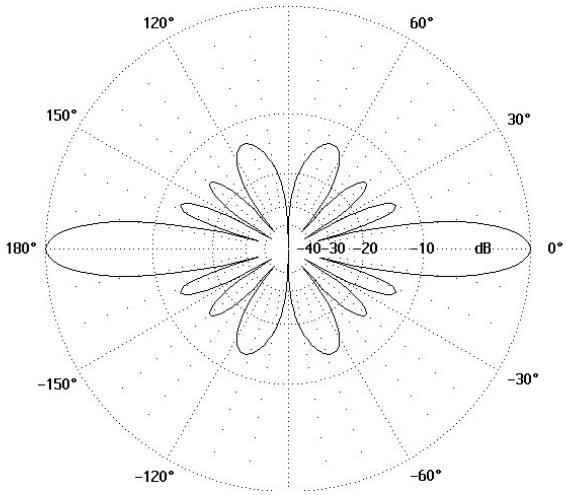
OMNIDIRECTIONAL ANTENNA AV1930





Type	AV1930
Frequency	805...866 MHz
Bandwidth	61 MHz
Impedance	50 Ω DC grounded
VSWR	1,4 max
Polarisation	Vertical
Gain	8 dBi
E-plane 3 dB beamwidth	15°
H-plane 3 dB beamwidth	-°
Electrical downtilt	None
Front to back ratio	- dB
Max. Continuous power	0,5 kW
RF-connector	N or 7/16 female
Operational windspeed	40 m/s (default)
Survival windspeed	55 m/s (default)
Wind area	0,12 m²
Dimensions (H x W x D) (∅ x H)	2795 x 66 mm
Weight	8,5 kg
Mounting diameter	∅ 30...115 mm pipe
Materials	Aluminium Glassfiber radome Glass reinforced PE
Options	-

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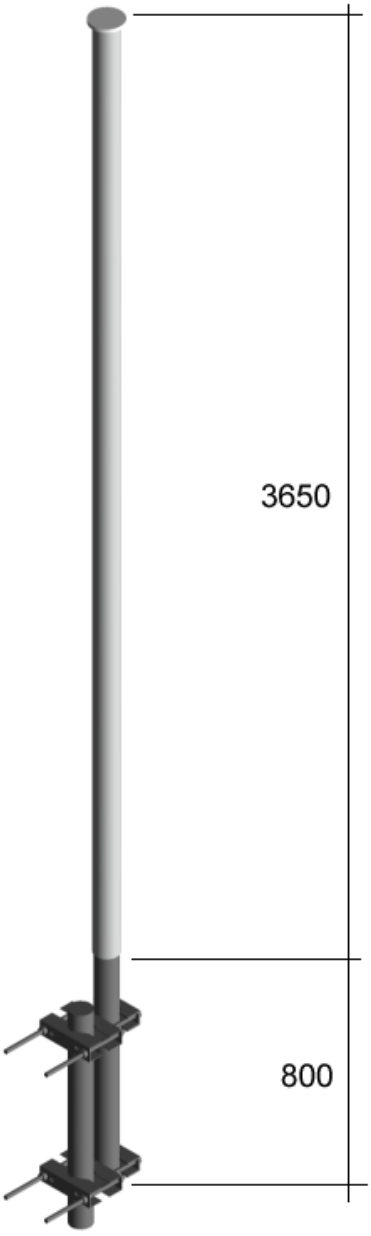
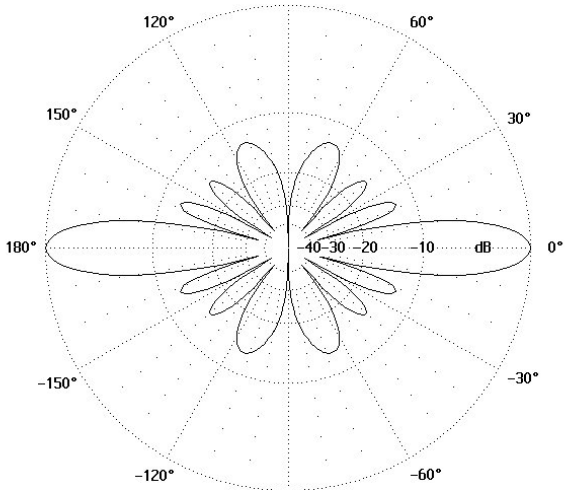
DOUBLE UNIT OMNIDIRECTIONAL ANTENNA AV1931





RADITION PATTERN/UNIT

Type	AV1931
Frequency	805...866 MHz
Bandwidth	61 MHz
Impedance	50 Ω DC grounded
VSWR	1,4 max
Polarisation	Vertical
Gain	8 dBi/unit
Isolation between units	30 dB
E-plane 3 dB beamwidth	15°
H-plane 3 dB beamwidth	-°
Electrical downtilt	None
Front to back ratio	- dB
Max. Continuous power	0,5 kW
RF-connector	N or 7/16 female
Operational windspeed	40 m/s (default)
Survival windspeed	55 m/s (default)
Wind area	0,2 m²
Dimensions (H x W x D) (∅ x H)	4450 x 66 mm
Weight	11,5 kg
Mounting diameter	∅ 30...115 mm pipe
Materials	Aluminium Glassfiber radome Glass reinforced PE
Options	-

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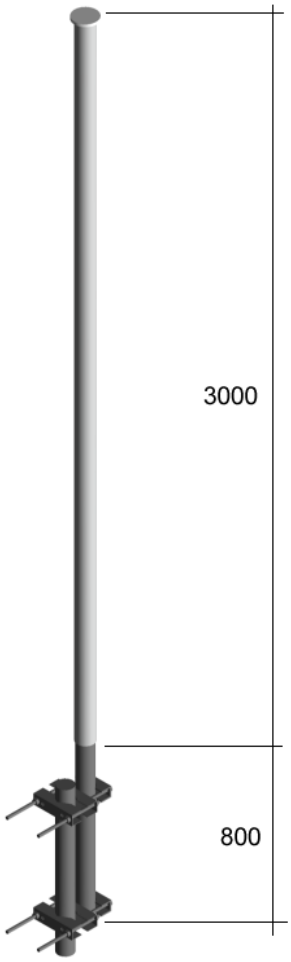
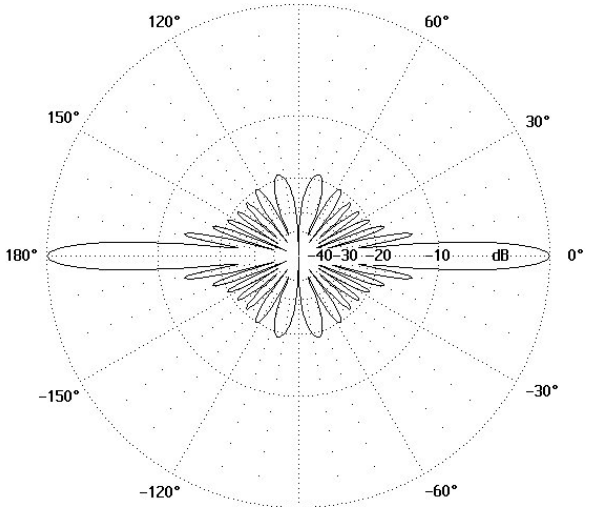
OMNIDIRECTIONAL ANTENNA AV1932





Type	AV1932
Frequency	805…866 MHz
Bandwidth	61 MHz
Impedance	50 Ω DC grounded
VSWR	1,5 max
Polarisation	Vertical
Gain	11 dBi
E-plane 3 dB beamwidth	7,5°
H-plane 3 dB beamwidth	-°
Electrical downtilt	None
Front to back ratio	- dB
Max. Continuous power	0,5 kW
RF-connector	N or 7/16 female
Operational windspeed	40 m/s (default)
Survival windspeed	55 m/s (default)
Wind area	0,18 m²
Dimensions (H x W x D) (∅ x H)	3800 x 66 mm
Weight	10,3 kg
Mounting diameter	∅ 30…115 mm pipe
Materials	Aluminium Glassfiber radome Glass reinforced PE
Options	-

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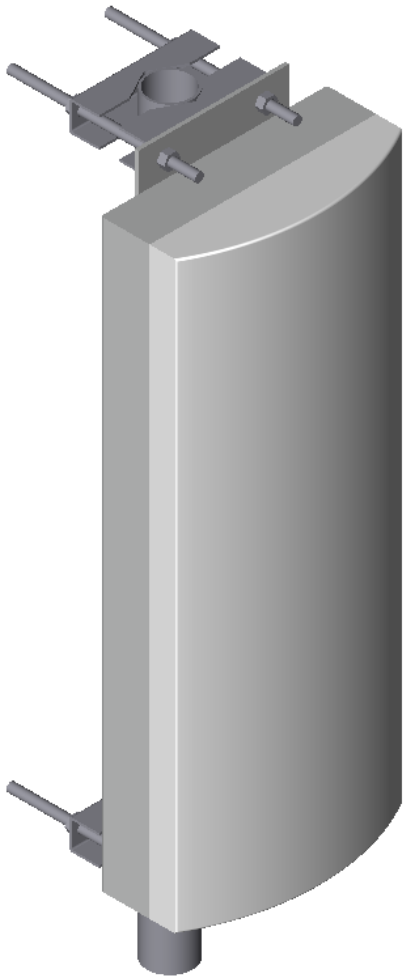
AV206-800 SERIES



AV206 series contains four antenna alternatives for GSM800 basestation use with 60º beamwidth.

The antenna construction includes aluminium framework, power divider and the radiating elements shielded with an UV-resistant fibreglass radome. The radome does not react on matching so the antenna maintains it's SWR performance even if covered by heavy snow and ice.

The low intermodulation values are secured by qualitative connections and precise manufacturing.

The standard inclusive (unless agreed otherwise) mounting kit provides easy installation for the tube diameters from 30 mm to 115 mm.

The durability and high performance of the AV206 series provides you a real corner-stone for your cellular network in any weather conditions.

Type	AV2060-800	AV2062-800	AV2064-800	AV2068-800
Frequency range	805...870 MHz	805...870 MHz	805...870 MHz	805...870 MHz
Bandwidth	65 MHz	65 MHz	65 MHz	65 MHz
Impedance	50Ω DC grounded	50Ω DC grounded	50Ω DC grounded	50Ω DC grounded
VSWR	1,3	1,3	1,3	1,3
Polarisation	Vertical	Vertical	Vertical	Vertical
Gain	10 dBi	13 dBi	16 dBi	18,5 dBi
E-plane 3 dB beamwidth	50º	30°	15º	7,5º
H-plane 3 dB beamwidth	62º	62°	62°	62°
Electrical downtilt	None	None	None	None
Front-to-back ratio	25 dB	25 dB	25 dB	25 dB
Max. Continuous power	0,5 kW	0,5 kW	0,5 kW	0,5 kW
RF-connector	7/16 female	7/16 female	7/16 female	7/16 female
Operational windspeed	40 m/s (default)	40 m/s (default)	40 m/s (default)	40 m/s (default)
Survival windspeed	55 m/s (default)	55 m/s (default)	55 m/s (default)	55 m/s (default)
Wind area	0,1 m²	0,2 m²	0,36 m²	0,72 m²
Dimensions (HxWxD)	250x300x130 mm	650x300x130 mm	1150x300x130 mm	2210x300x130 mm
Weight	2 kg	3 kg	5 kg	9 kg
Mounting diameter	Ø 30...115 mm	Ø 30...115 mm	Ø 30...115 mm	Ø 30...115 mm
Materials	Aluminium Glassfiber radome Glass reinforced PE	Aluminium Glassfiber radome Glass reinforced PE	Aluminium Glassfiber radome Glass reinforced PE	Aluminium Glassfiber radome Glass reinforced PE
Options	-	-	-	-

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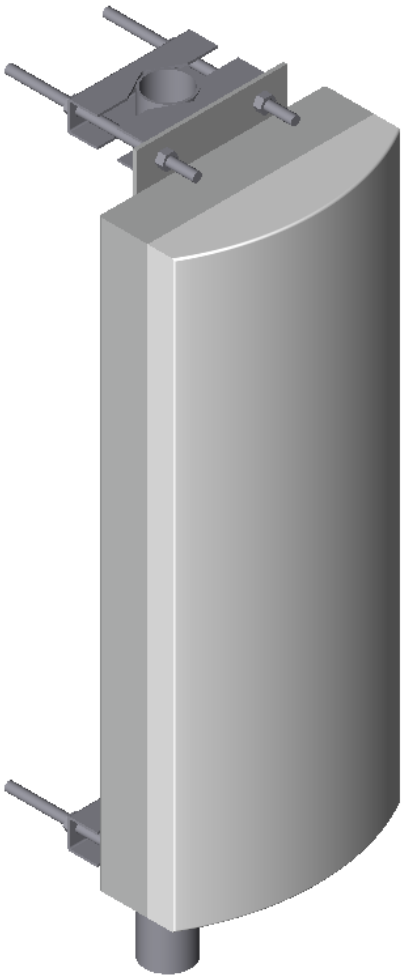
AV209-800 SERIES



AV209 series contains four antenna alternatives for GSM800 basestation use with 90º beamwidth.

The antenna construction includes aluminium framework, power divider and the radiating elements shielded with an UV-resistant fibreglass radome. The radome does not react on matching so the antenna maintains it's SWR performance even if covered by heavy snow and ice.

The low intermodulation values are secured by qualitative connections and precise manufacturing.

The standard inclusive (unless agreed otherwise) mounting kit provides easy installation for the tube diameters from 30 mm to 115 mm.

The durability and high performance of the AV209 series provides you a real corner-stone for your cellular network in any weather conditions.

Type	AV2090-800	AV2092-800	AV2094-800	AV2098-800
Frequency range	805...870 MHz	805...870 MHz	805...870 MHz	805...870 MHz
Bandwidth	65 MHz	65 MHz	65 MHz	65 MHz
Impedance	50Ω DC grounded	50Ω DC grounded	50Ω DC grounded	50Ω DC grounded
VSWR	1,3	1,3	1,3	1,3
Polarisation	Vertical	Vertical	Vertical	Vertical
Gain	8,5 dBi	11 dBi	14 dBi	17 dBi
E-plane 3 dB beamwidth	50º	30°	15º	7,5º
H-plane 3 dB beamwidth	90º	90º	90º	90º
Electrical downtilt	None	None	None	None
Front-to-back ratio	20 dB	20 dB	20 dB	20 dB
Max. Continuous power	0,5 kW	0,5 kW	0,5 kW	0,5 kW
RF-connector	7/16 female	7/16 female	7/16 female	7/16 female
Operational windspeed	40 m/s (default)	40 m/s (default)	40 m/s (default)	40 m/s (default)
Survival windspeed	55 m/s (default)	55 m/s (default)	55 m/s (default)	55 m/s (default)
Wind area	0,1 m²	0,2 m²	0,36 m²	0,72 m²
Dimensions (HxWxD)	250x300x130 mm	650x300x130 mm	1150x300x130 mm	2210x300x130 mm
Weight	2 kg	3 kg	5 kg	9 kg
Mounting diameter	Ø 30...115 mm	Ø 30...115 mm	Ø 30...115 mm	Ø 30...115 mm
Materials	Aluminium Glassfiber radome Glass reinforced PE	Aluminium Glassfiber radome Glass reinforced PE	Aluminium Glassfiber radome Glass reinforced PE	Aluminium Glassfiber radome Glass reinforced PE
Options	-	-	-	-

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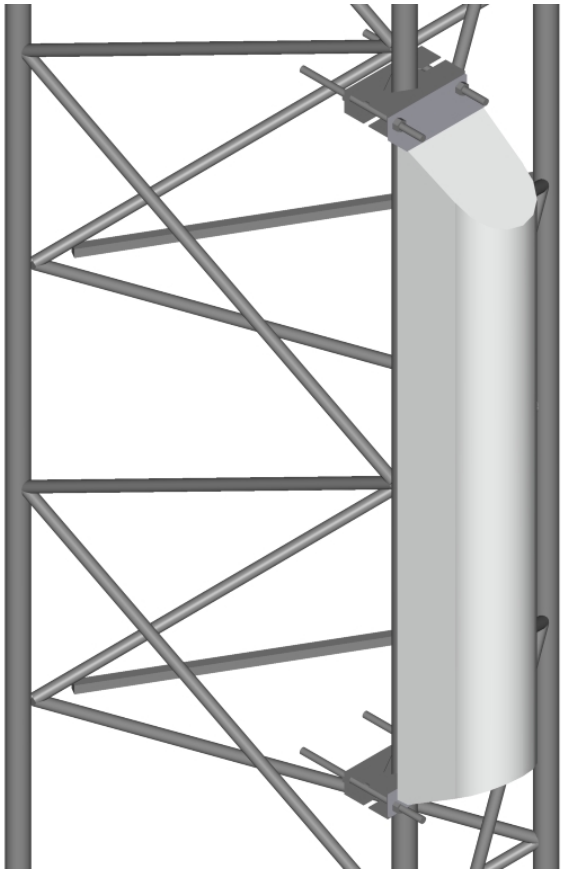
AV212-800 SERIES



AV212 series contains four antenna alternatives for GSM800 basestation use with 120º beamwidth.

The antenna construction includes aluminium framework, power divider and the radiating elements shielded with an UV-resistant fibreglass radome. The radome does not react on matching so the antenna maintains it's SWR performance even if covered by heavy snow and ice.

The low intermodulation values are secured by qualitative connections and precise manufacturing.

The standard inclusive (unless agreed otherwise) mounting kit provides easy installation for the tube diameters from 30 mm to 115 mm.

The durability and high performance of the AV212 series provides you a real corner-stone for your cellular network in any weather conditions.

Type	AV2120-800	AV2122-800	AV2124-800	AV2128-800
Frequency range	805...870 MHz	805...870 MHz	805...870 MHz	805...870 MHz
Bandwidth	65 MHz	65 MHz	65 MHz	65 MHz
Impedance	50Ω DC grounded	50Ω DC grounded	50Ω DC grounded	50Ω DC grounded
VSWR	1,3	1,3	1,3	1,3
Polarisation	Vertical	Vertical	Vertical	Vertical
Gain	7 dBi	10 dBi	12,5 dBi	15 dBi
E-plane 3 dB beamwidth	70º	35°	15º	7,5º
H-plane 3 dB beamwidth	120º	120º	120º	120º
Electrical downtilt	None	None	None	None
Front-to-back ratio	15 dB	15 dB	20 dB	20 dB
Max. Continuous power	0,5 kW	0,5 kW	0,5 kW	0,5 kW
RF-connector	7/16 female	7/16 female	7/16 female	7/16 female
Operational windspeed	40 m/s (default)	40 m/s (default)	40 m/s (default)	40 m/s (default)
Survival windspeed	55 m/s (default)	55 m/s (default)	55 m/s (default)	55 m/s (default)
Wind area	0,1 m²	0,15 m²	0,25 m²	0,6 m²
Dimensions (HxWxD)	250x160x110 mm	650x160x110 mm	1150x160x110 mm	2210x160x150 mm
Weight	2 kg	5 kg	7 kg	11 kg
Mounting diameter	Ø 30...115 mm	Ø 30...115 mm	Ø 30...115 mm	Ø 30...115 mm
Materials	Aluminium Glassfiber radome Glass reinforced PE	Aluminium Glassfiber radome Glass reinforced PE	Aluminium Glassfiber radome Glass reinforced PE	Aluminium Glassfiber radome Glass reinforced PE
Options	-	-	-	-

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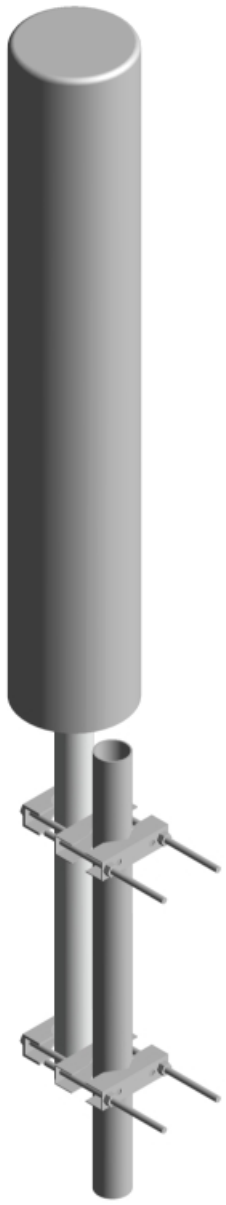
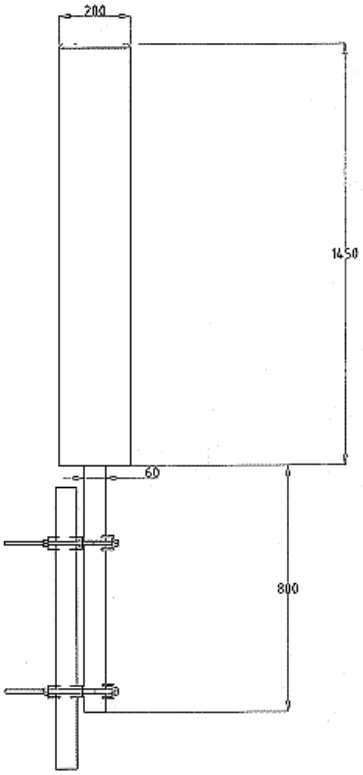
OMNIDIRECTIONAL ANTENNA AV7001





Type	AV7001
Frequency	805..821 MHz/GHz
Bandwidth	16 MHz
Impedance	50 Ω DC grounded
VSWR	1,5 max
Polarisation	Horisontal
Gain	8 dBi
E-plane 3 dB beamwidth	-°
H-plane 3 dB beamwidth	15°
Electrical downtilt	None
Front to back ratio	- dB
Max. Continuous power	0,5 kW
RF-connector	N or 7/16 female
Operational windspeed	40 m/s (default)
Survival windspeed	55 m/s (default)
Wind area	0,3 m²
Dimensions (∅ x H)	2250 x 200 mm
Weight	8 kg
Mounting diameter	∅ 30...115 mm pipe
Materials	Aluminium Glassfiber radome Glass reinforced PE
Options	-

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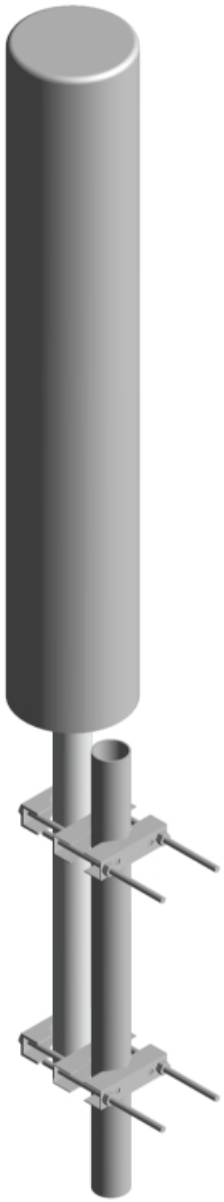
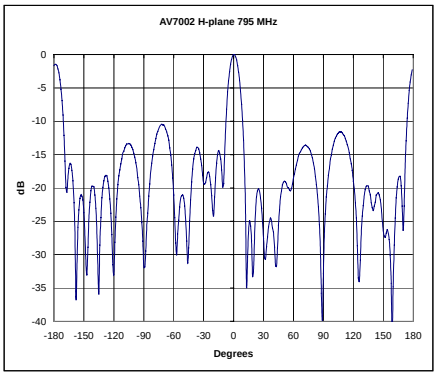
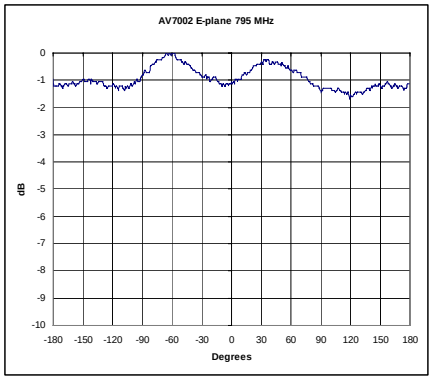
OMNIDIRECTIONAL ANTENNA AV7002







Type	AV7002
Frequency	805...821 MHz
Bandwidth	16 MHz
Impedance	50 Ω DC grounded
VSWR	1,5 max
Polarisation	Horisontal
Gain	10 dBi
E-plane 3 dB beamwidth	-°
H-plane 3 dB beamwidth	9°
Electrical downtilt	None
Front to back ratio	- dB
Max. Continuous power	0,5 kW
RF-connector	N or 7/16 female
Operational windspeed	40 m/s (default)
Survival windspeed	55 m/s (default)
Wind area	0,46 m²
Dimensions (H x W x D) (∅ x H)	2830 x 200 mm
Weight	15 kg
Mounting diameter	∅ 30...115 mm pipe
Materials	Aluminium Hot dip galvanised framework Glassfiber radome Glass reinforced PE
Options	-

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