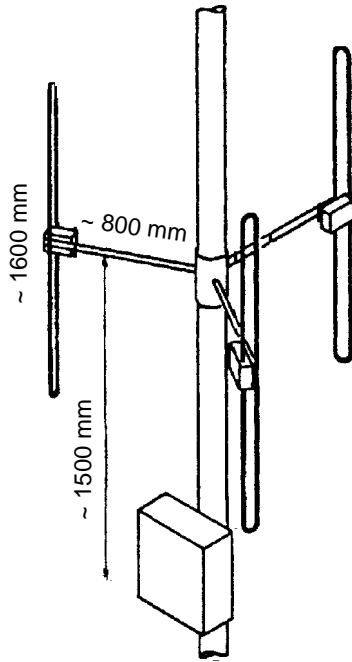
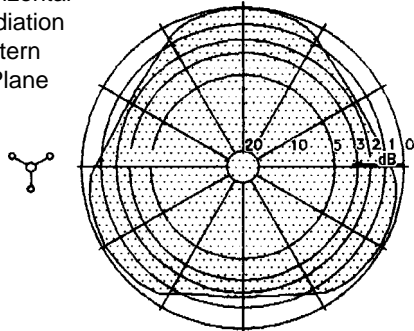


ORDER NUMBER	TYPE
WS U00 42 18	omnidirectional
WS U00 44 18	omnidirectional, heavy duty with radome
WS U00 54 18	omnidirectional, heavy duty with radome
WS U00 54 1 2S	3 dB omnidirectional, heavy duty with radome, stacked
WS U00 84 15	omnidirectional, gp
WS U00 86 1	omnidirectional gp, adjustable
WS U01 12 10 8	3 dB offset pattern antenna
WS U01 13 10 8	3 dB offset pattern antenna, heavy duty with radome
WS U01 12 11 8	5 dB offset pattern antenna
WS U01 13 11 8	5 dB offset pattern antenna, heavy duty with radome
WS U01 02 12 8	8 dB offset pattern antenna
WS U01 03 12 8	8 dB offset pattern antenna, heavy duty with radome
WS U01 03 13 8	10 dB offset pattern antenna, heavy duty with radome
WS U01 13 20 8	dipole with horizontal polarization
WS U01 13 21 .	horizontal omnidirectional antenna
WS U01 13 22 8	1 dBd horizontal omnidirectional antenna
WS U01 52 20 8	halo antenna

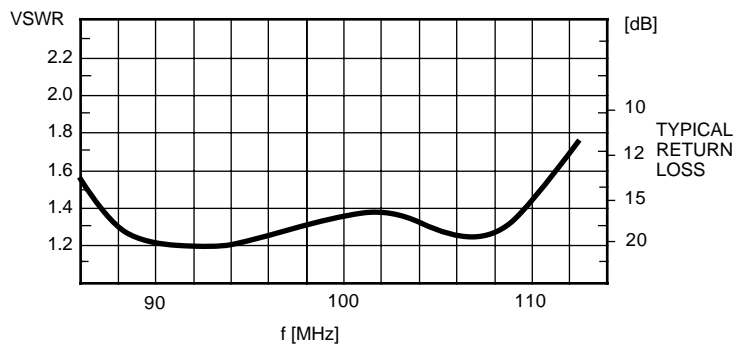
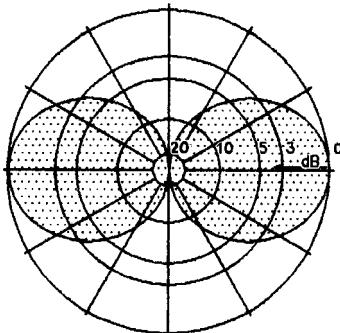


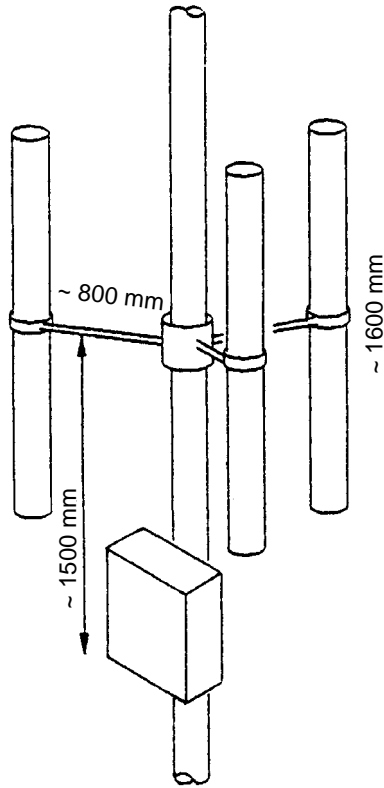
<b>TYPE NO.</b>	<b>WS U00 42 18 : 87.5 - 108 MHz</b> light execution without radome
<b>POLARIZATION</b>	vertical
<b>IMPEDANCE</b>	50 $\Omega$
<b>GAIN</b>	0 dB (ref. $\lambda/2$ dipole)
<b>VSWR</b>	< 1.3, at the limits of the band < 1.6
<b>POWER</b>	max. 600 watts, higher ratings on request
<b>3 dB BEAMWIDTH</b>	horizontal, H plane: 360° (deviation from circularity $\pm 1.5$ dB) vertical, E plane: 78°
<b>TERMINATION</b>	in the junction box WAK 1 ending with N male other termination on request
<b>GROUNDING</b>	all metal parts are DC grounded
<b>MOUNTING</b>	on mast with $\varnothing 60 - 104$ mm clamp for other mast- $\varnothing$ on request
<b>MATERIAL</b>	aluminium, bolts of stainless steel, weather-resistant plastics
<b>WEIGHT</b>	16 kg
<b>WIND AREA</b>	0.5 m <sup>2</sup>
<b>WIND LOAD</b>	640 N (150 km/h) 480 N (130 km/h)

Horizontal  
Radiation  
Pattern  
H Plane



Vertical  
Radiation  
Pattern  
E Plane

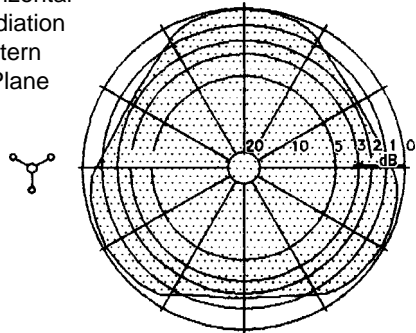




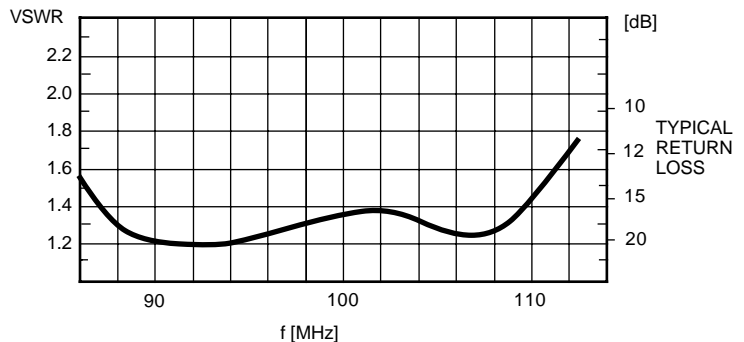
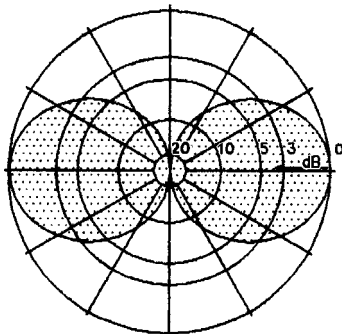
<b>TYPE NO.</b>	<b>WS U00 44 18 : 87.5 - 108 MHz,</b>
<b>DESCRIPTION</b>	heavy duty with radome The radome protects the antenna dipoles from environmental influences, icing, and increases the lightning protection.
<b>POLARIZATION</b>	vertical
<b>IMPEDANCE</b>	50 Ω
<b>GAIN</b>	0 dB (ref. λ/2 dipole)
<b>VSWR</b>	< 1.3, at the limits of the band <1.6
<b>POWER</b>	max. 600 watts, higher ratings on request
<b>3 dB BEAMWIDTH</b>	horizontal, H plane: 360° (deviation from circularity ± 1.5 dB) vertical, E plane: 78°
<b>TERMINATION</b>	in the junction box WAK 1 ending with N male other termination on request
<b>GROUNDING</b>	all metal parts are DC grounded
<b>MOUNTING</b>	on mast with ø 60 - 104 mm, larger Ø on request clamp for other mast-ø on request
<b>MATERIAL</b>	aluminium, bolts of stainless steel, weather-resistant plastics, radome of UV-stablized polyethylene

<b>WEIGHT</b>	27 kg
<b>WIND AREA</b>	0.5 m <sup>2</sup>
<b>WIND LOAD</b>	640 N (150 km/h) 480 N (130 km/h)

Horizontal  
Radiation  
Pattern  
H Plane

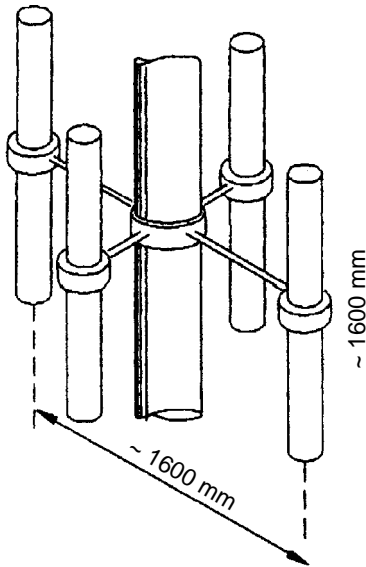


Vertical  
Radiation  
Pattern  
E Plane



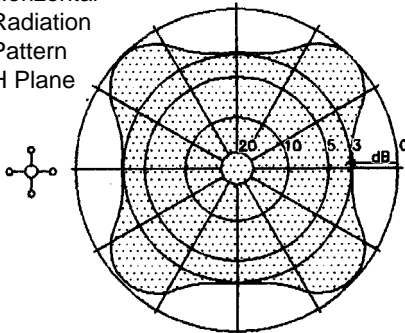
KW 1-08

WIPIC reserves the right to amend specifications in the light of continuing development.

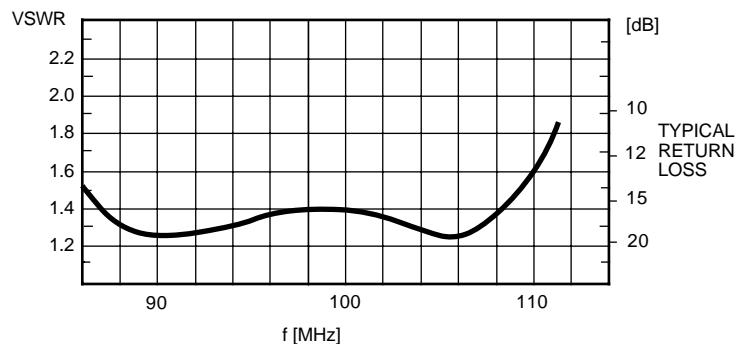
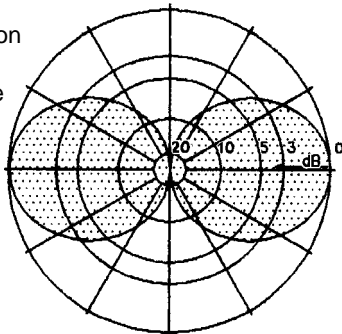


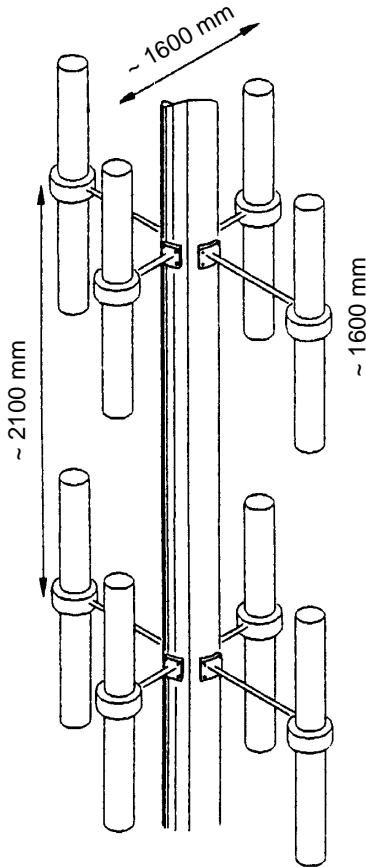
<b>TYPE NO.</b>	<b>WS U00 54 18 : 87.5 - 108 MHz</b> further frequencies on request
<b>DESCRIPTION</b>	heavy duty, with radome The radome protects the antenna dipole from environmental influences, icing, and increases the lightning protection.
<b>POLARIZATION</b>	vertical
<b>IMPEDANCE</b>	50 $\Omega$
<b>GAIN</b>	0 dB (ref. $\lambda/2$ dipole)
<b>VSWR</b>	< 1.3, at the limits of the band < 1.5
<b>POWER</b>	max. 600 watts, higher ratings on request
<b>3 dB BEAMWIDTH</b>	horizontal, H plane: 360° (deviation from circularity $\leq 1.5$ dB) vertical, E plane: 78°
<b>TERMINATION</b>	in the junction box WAK 1 ending with N male other termination on request
<b>GROUNDING</b>	all metal parts are DC grounded
<b>MOUNTING</b>	on mast with outer $\varnothing \leq 650$ mm with clamp of hot dip galvanized steel
<b>MATERIAL</b>	aluminium, bolts of stainless steel, weather-resistant plastics, radome of UV-stabilized polyethylene
<b>WEIGHT</b>	21 kg (without WAK 1 and clamp)
<b>WIND AREA</b>	0.44 m <sup>2</sup>
<b>WIND LOAD</b>	562 N (150 km/h) 422 N (130 km/h)

Horizontal  
Radiation  
Pattern  
H Plane



Vertical  
Radiation  
Pattern  
E Plane





**TYPE NO.** WS U00 54 1 2S : 87.5 ... 108 MHz  
please specify frequency band

**DESCRIPTION** heavy duty, with radome  
The radome protects the antenna dipole from environmental influences, icing, and increases the lightning protection; downtilt on request.

**POLARIZATION** vertical

**IMPEDANCE** 50 Ω

**GAIN** 3 dB (ref. λ/2 dipole)

**VSWR** < 1.2 on tuned frequency

**POWER** max. 1000 watts, higher ratings on request

**3 dB BEAMWIDTH** horizontal, H plane: 360°  
(deviation from circularity ≤ 1.5 dB)  
vertical, E plane: 45°

**TERMINATION** in the junction box WAK 1 ending with N male  
other termination on request

**GROUNDING** all metal parts are DC grounded

**MOUNTING** on mast with outer  $\varnothing \leq 650$  mm  
with clamp of hot dip galvanized steel  
please give mast diameter

**MATERIAL** aluminium, bolts of stainless steel, weather-resistant  
plastics, radome of UV-stabilized polyethylene

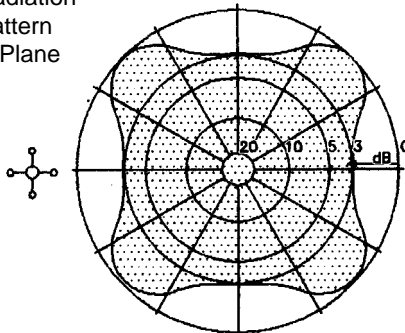
**WEIGHT** 30 kg (without WAK 1 and clamp)

**WIND AREA** 1.3 m<sup>2</sup>

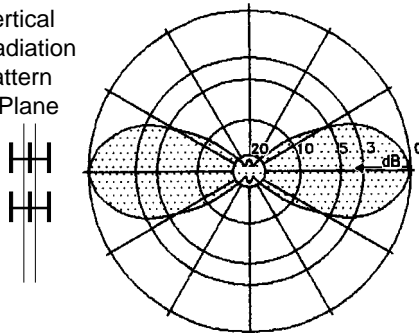
**WIND LOAD** 1660 N (150 km/h)

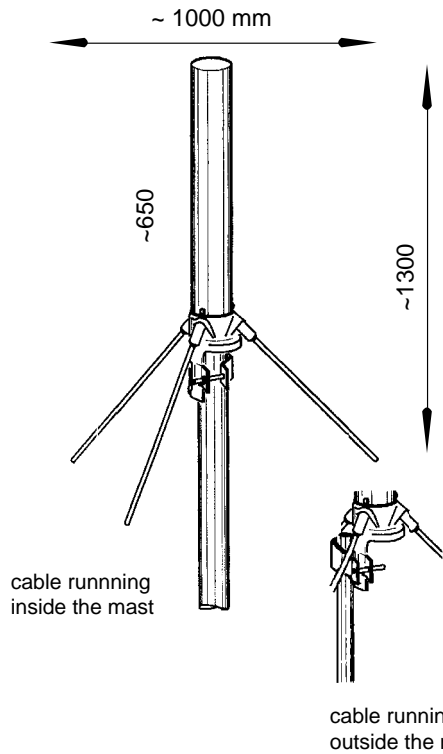
1250 N (130 km/h)

Horizontal  
Radiation  
Pattern  
H Plane



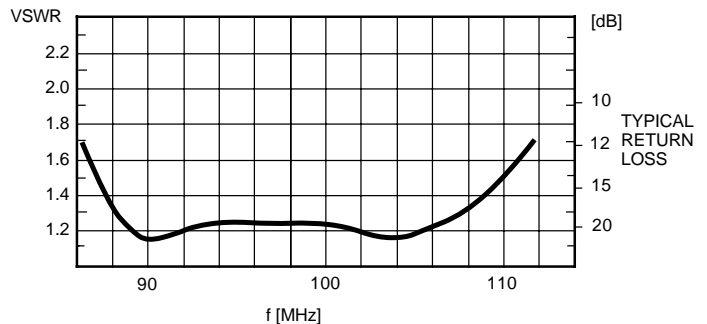
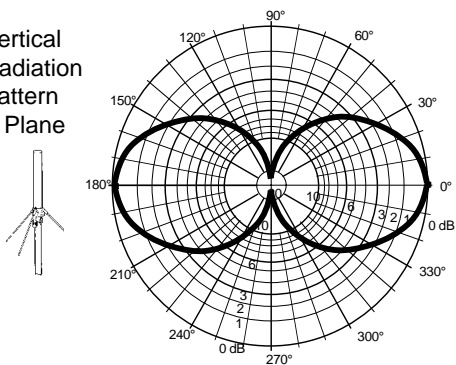
Vertical  
Radiation  
Pattern  
E Plane

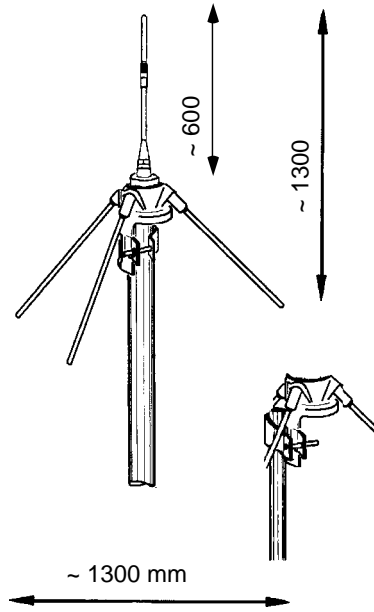




<b>TYPE NO.</b>	<b>WS U00 84 15: 87.5 - 108 MHz</b> further frequencies on request
<b>DESCRIPTION</b>	antenna with radome The radome protects the antenna from environmental influences, icing, and increases the lightning protection.
<b>POLARIZATION</b>	vertical
<b>IMPEDANCE</b>	50 Ω
<b>GAIN</b>	0 dB (ref. λ/2 dipole)
<b>VSWR</b>	< 1.3, at the limits of the band < 1.5
<b>POWER</b>	max. 600 watts
<b>3 dB BEAMWIDTH</b>	horizontal, H plane: 360° vertical, E plane: 78°
<b>TERMINATION</b>	~ 1 m cable ending with N male the cable must NOT be shortened (transformer) other termination on request
<b>GROUNDING</b>	all metal parts are DC grounded
<b>MOUNTING</b>	to 40 - 66 mm ø mast cable runs inside or outside the mast
<b>MATERIAL</b>	aluminium, bolts of stainless steel, weather-resistant plastics, radome of UV-stabilized polyethylene
<b>WEIGHT</b>	1.8 kg
<b>WIND AREA</b>	0.056 m <sup>2</sup>
<b>WIND LOAD</b>	72 N (150 km/h) 54 N (130 km/h)

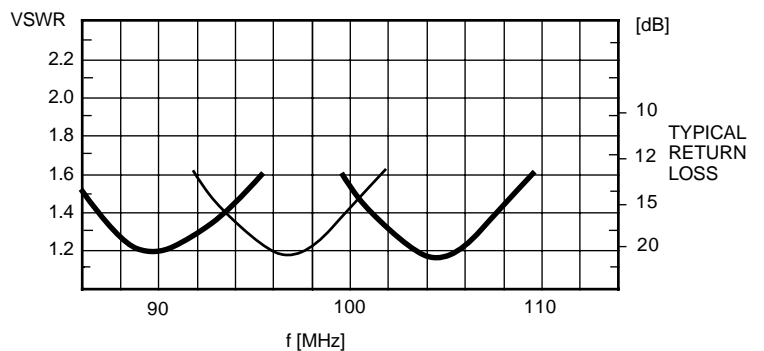
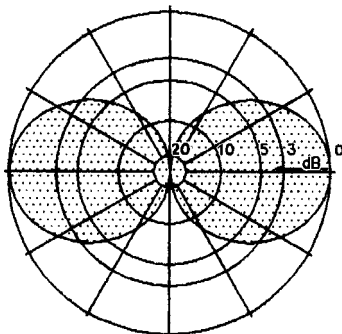
Vertical Radiation Pattern E Plane

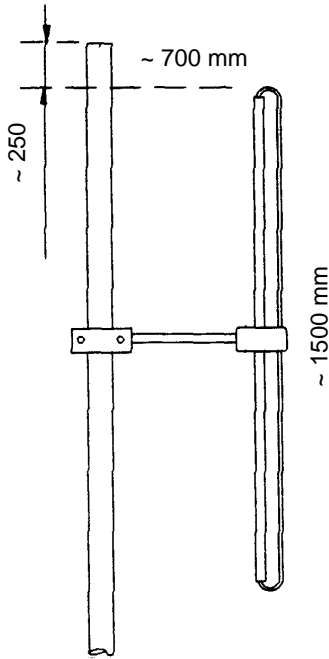




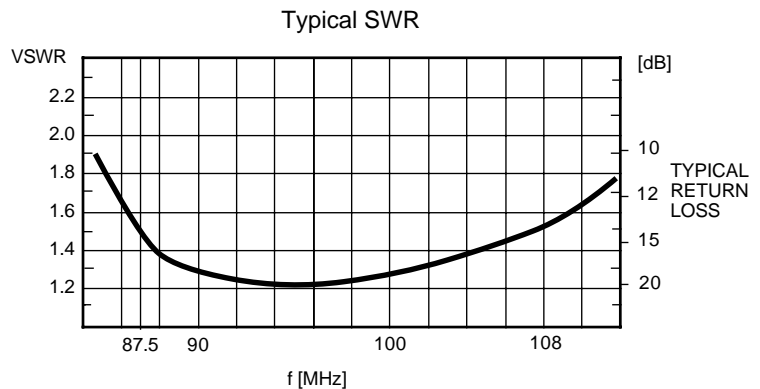
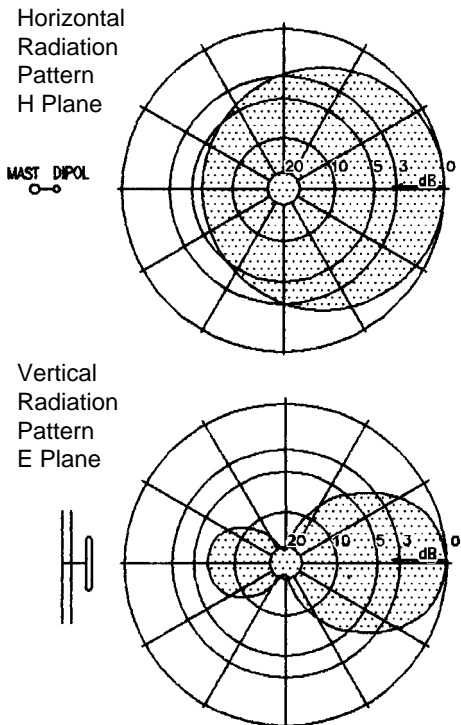
<b>TYPE NO.</b>	<b>WS U00 86 1:</b> adjustable from 87.5 ... 108 MHz further frequencies on request
<b>DESCRIPTION</b>	groundplane antenna with adjustable radiator
<b>POLARIZATION</b>	vertical
<b>IMPEDANCE</b>	50 Ω
<b>GAIN</b>	0 dB (ref. λ/2 dipole)
<b>VSWR</b>	< 1.3 on tuned frequency
<b>POWER</b>	max. 300 watts, higher power on request
<b>3 dB BEAMWIDTH</b>	horizontal, H plane: 360° vertical, E plane: 78°
<b>TERMINATION</b>	1 m cable RG 213/U ending with N male other termination on request
<b>GROUNDING</b>	radiator not grounded, lightning protector type LPN is recommended
<b>MOUNTING</b>	to 40 - 66 mm ø mast cable runs inside or outside the mast
<b>MATERIAL</b>	aluminium, bolts of stainless steel, weather-resistant plastics
<b>WEIGHT</b>	1.0 kg
<b>WIND AREA</b>	0.06 m <sup>2</sup>
<b>WIND LOAD</b>	75 N (150 km/h) 55 N (130 km/h)

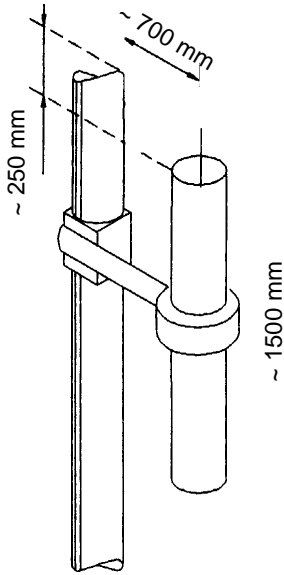
Vertical Radiation Pattern E Plane





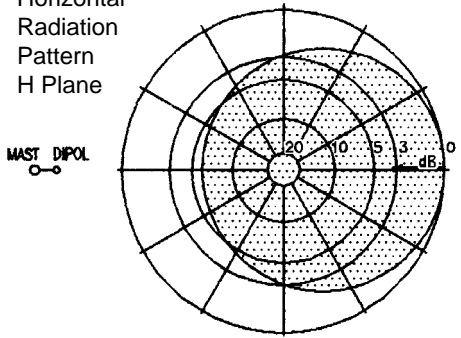
<b>TYPE NO.</b>	<b>WS U01 12 10 8: 87.5 - 108 MHz</b> light execution without radome, wall mounting on request
<b>POLARIZATION</b>	vertical
<b>IMPEDANCE</b>	50 Ω
<b>GAIN</b>	3dB (ref. λ/2 dipole)
<b>VSWR</b>	< 1.3, at the limits of the band <1.5
<b>POWER</b>	max. 250 watts, higher power on request
<b>3 dB BEAMWIDTH</b>	horizontal, H plane: 180° vertical, E plane: 75°
<b>TERMINATION</b>	2 m cable RG 213/U ending with N male other termination on request
<b>GROUNDING</b>	all metal parts are DC grounded
<b>MOUNTING</b>	<i>mast-ø</i> <i>clamps</i> 30 - 80 mm                WG 11 (standard) 50 - 104 mm              WG 12 (option) clamp for other mast-ø on request
<b>MATERIAL</b>	aluminium, bolts of stainless steel, weather-resistant plastics
<b>WEIGHT</b>	1.4 kg
<b>WIND AREA</b>	0.05 m <sup>2</sup>
<b>WIND LOAD</b>	63 N (150 km/h) 47 N (130 km/h)



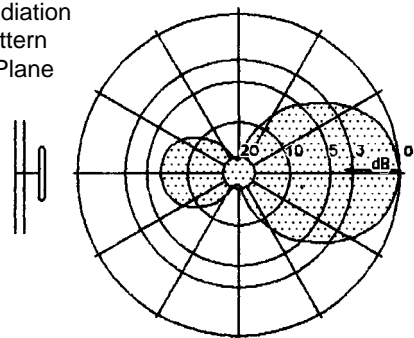


<b>TYPE NO.</b>	<b>WS U01 13 10 8: 87.5 - 108 MHz</b> further frequencies or wall mounting on request
<b>DESCRIPTION</b>	heavy duty with radome The radome protects the antenna against environmental influences, icing, and increases the lightning protection.
<b>POLARIZATION</b>	vertical
<b>IMPEDANCE</b>	50 Ω
<b>GAIN</b>	3 dB (ref. to λ/2 dipole) -3 dB in reverse direction
<b>VSWR</b>	< 1.3, at the limits of the band < 1.6
<b>POWER</b>	600 watts, higher ratings on request
<b>3 dB BEAMWIDTH</b>	horizontal (H-plane) 180° vertical (E-plane) 75°
<b>TERMINATION</b>	2 m cable RG 213/U ending with N male
<b>GROUNDING</b>	all metal parts are DC grounded
<b>MOUNTING</b>	<i>mast ø</i> <i>clamp (see chapt. 10)</i> 30 - 80 mm    WG 17 50 - 104 mm   WG 18 (option)
<b>MATERIAL</b>	aluminium, bolts of stainless steel, radome of UV-stabilized polyethylene

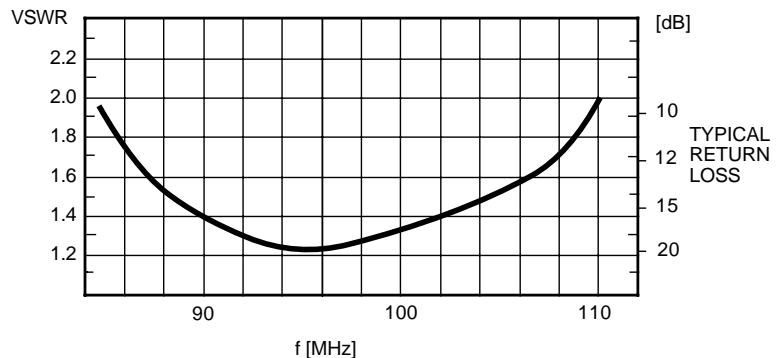
Horizontal  
Radiation  
Pattern  
H Plane

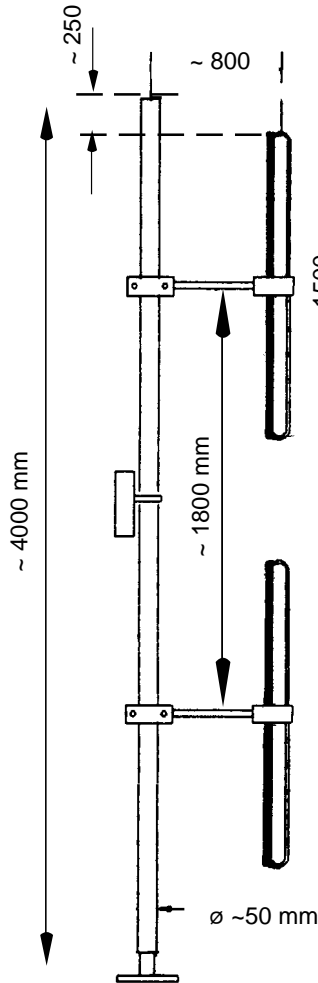


Vertical  
Radiation  
Pattern  
E Plane



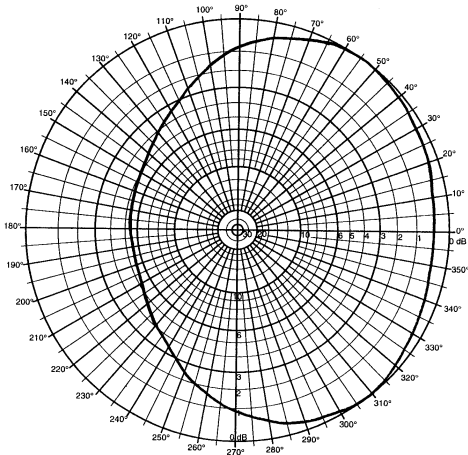
<b>WEIGHT</b>	4 kg
<b>WIND AREA</b>	0.14 m <sup>2</sup>
<b>WIND LOAD</b>	178 N 150 km/h 134 N 130 km/h



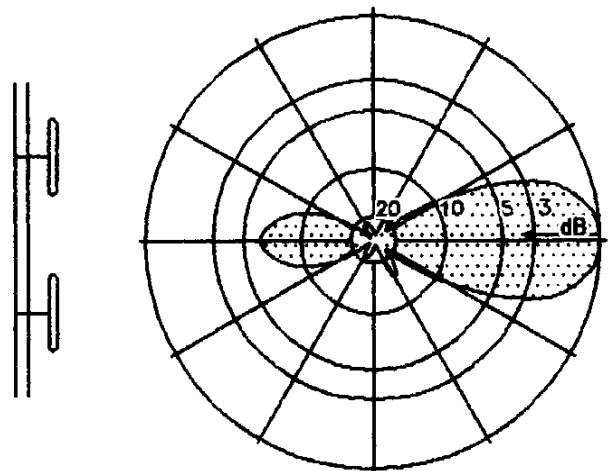


<b>TYPE NO.</b>	<b>WS U01 12 11 8 : 87.5 - 108 MHz</b> (downtilt on request) light execution without radome	
<b>POLARIZATION</b>	vertical	
<b>IMPEDANCE</b>	50 Ω	
<b>GAIN</b>	ref. λ/2 dipole 5 dB in forward direction 1 dB in reverse direction	
<b>VSWR</b>	< 1.3, at the limits of the band <1.5	
<b>POWER</b>	max. 600 watts, higher power on request	
<b>3 dB BEAMWIDTH</b>	horizontal, H plane: 180° vertical, E plane: 40°	
<b>TERMINATION</b>	in then junction box WAK 1 ending with N male other termination on request	
<b>GROUNDING</b>	all metal parts are DC grounded	
<b>DELIVERY</b>	2 dipoles with junction and box WAK 1	
<b>MOUNTING</b>	<i>mast-ø</i>	<i>clamps</i>
	30 - 80 mm	WG 11 (standard)
	50 - 104 mm	WG 12 (option)
	clamp for other mast-ø on request	
<b>MATERIAL</b>	aluminium, bolts of stainless steel, weather-resistant plastics	
<b>WEIGHT</b>	5 kg	
<b>WIND AREA</b>	0.22 m <sup>2</sup>	
<b>WIND LOAD</b>	280 N (150 km/h) 211 N (130 km/h)	

Horizontal  
Radiation  
Pattern  
H F

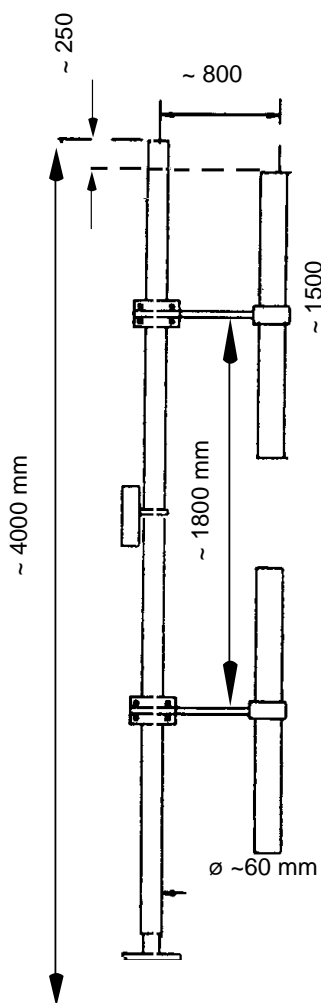


Vertical  
Radiation  
Pattern  
E Plane



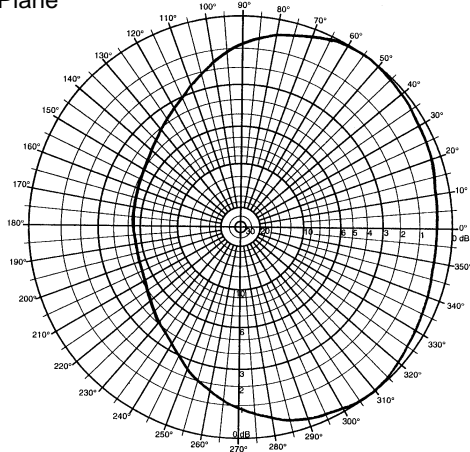
KW 1-08

WIPIC reserves the right to amend specifications in the light of continuing development.

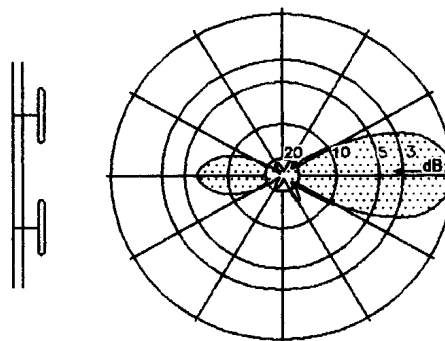


<b>TYPE NO.</b>	<b>WS U01 13 11 8 :87.5 -108 MHz</b> (downtilt on request)	
<b>DESCRIPTION</b>	heavy duty with radome The radome protects the antenna against environmental influences, icing, and increases the lightning protection.	
<b>POLARIZATION</b>	vertical	
<b>IMPEDANCE</b>	50 Ω	
<b>GAIN</b>	5 dB (ref. to λ/2 dipole) 1 dB in reverse direction	
<b>VSWR</b>	< 1.5	
<b>POWER</b>	600 watts higher ratings on request	
<b>3 dB BEAMWIDTH</b>	horizontal (H-plane):	220°
	vertical (E-plane):	40°
<b>TERMINATION</b>	in the junction box WAK 1 ending with N male	
<b>GROUNDING</b>	all metal parts are DC grounded	
<b>DELIVERY</b>	2 dipoles with junction and box WAK 1	
<b>MOUNTING</b>	<i>mast</i> ∅ 30 - 80 mm 50 - 104 mm	<i>clamp (see chapt. 10)</i> WG 17 (standard) WG 18 (option)
<b>MATERIAL</b>	aluminium, bolts of stainless steel, radome of UV-stabilized polyethylene	

Horizontal  
Radiation  
Pattern  
H Plane

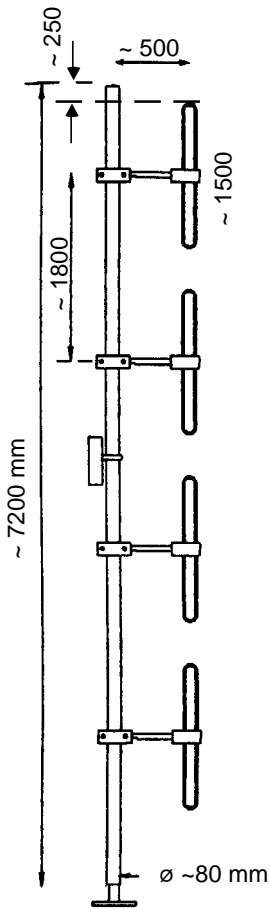


Vertical  
Radiation  
Pattern  
E Plane



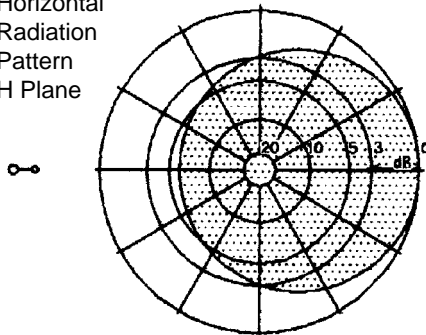
KW 1-08

WIPIC reserves the right to amend specifications in the light of continuing development.

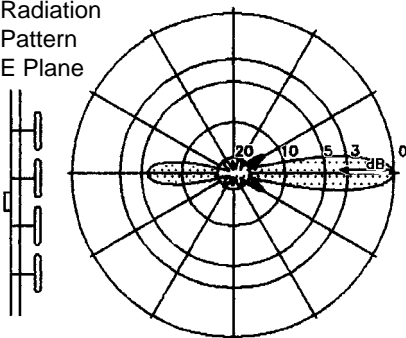


<b>TYPE NO.</b>	<b>WS U01 02 12 8 : frequency</b> <b>(downtilt on request)</b> the antenna will be tuned on the requested frequency in the FM band, light execution without radome
<b>POLARIZATION</b>	vertical
<b>IMPEDANCE</b>	50 Ω
<b>GAIN</b>	8 dB (ref. to λ/2 dipole) 2 dB in reverse direction
<b>VSWR</b>	< 1.3, at the limits of the band < 1.5
<b>POWER</b>	max. 600 watts, higher ratings on request
<b>3 dB BEAMWIDTH</b>	horizontal (H-plane) 180° vertical (E-plane) 20°
<b>TERMINATION</b>	in the junction box WAK 1 ending with N male other termination on request
<b>GROUNDING</b>	all metal parts are DC grounded
<b>DELIVERY</b>	4 dipoles with junction and box WAK 1
<b>MOUNTING</b>	<i>mast</i> ∅ <i>clamp (see chapt. 10)</i> 30 - 80 mm                WG 11 (standard) 50 - 104 mm              WG 12 (option) other mast-∅ on request

Horizontal Radiation Pattern H Plane

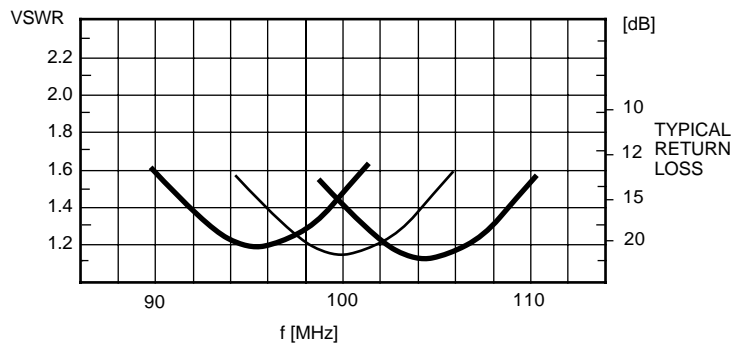


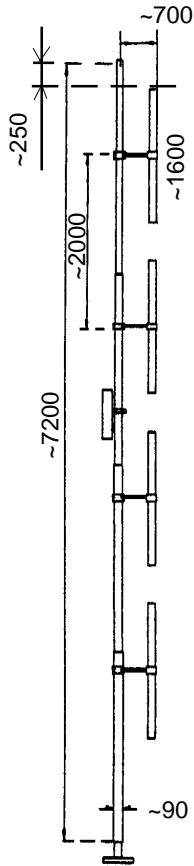
Vertical Radiation Pattern E Plane



**MATERIAL** aluminium, bolts of stainless steel, weather-resistant plastic

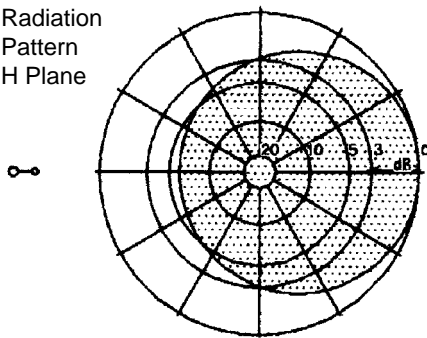
**WEIGHT** 10 kg  
**WIND AREA** 0.31 m<sup>2</sup>  
**WIND LOAD** 400 N (150 km/h)  
 300 N (130 km/h)





<b>TYPE NO.</b>	<b>WS U01 03 12 8 : frequency (downtilt on request)</b> the antenna will be tuned on the requested frequency in the FM band
<b>DESCRIPTION</b>	heavy duty, with radome The radome protects the antenna dipole against environmental influences, icing, and increases the lightning protection
<b>POLARIZATION</b>	vertical
<b>IMPEDANCE</b>	50 Ω
<b>GAIN</b>	8 dB (ref. to λ/2 dipole) 2 dB in reverse direction
<b>VSWR</b>	< 1.3, at the limits of the band < 1.5
<b>POWER</b>	max. 600 watts, higher ratings on request
<b>3 dB BEAMWIDTH</b>	horizontal (H-plane) 180° vertical (E-plane) 20°
<b>TERMINATION</b>	in the junction box WAK 1 ending with N male other terminations on request
<b>GROUNDING</b>	all metal parts are DC grounded
<b>DELIVERY</b>	dipoles with junction and box WAK 1

Horizontal Radiation Pattern H Plane

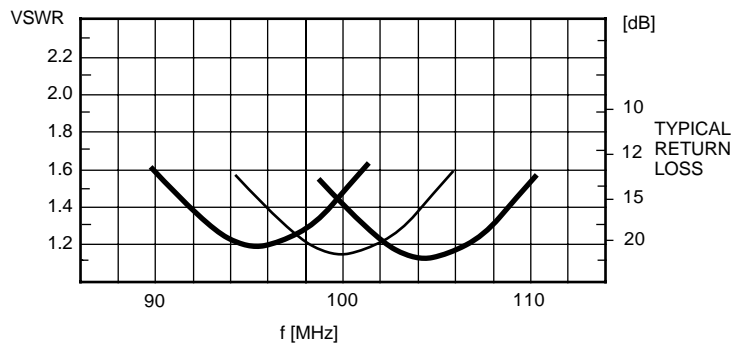
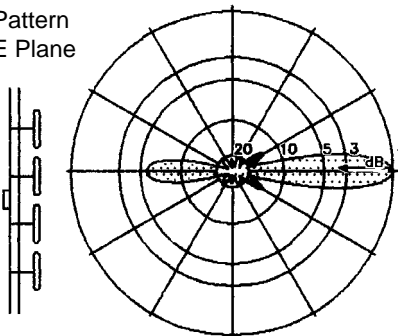


<b>MOUNTING</b>	<i>mast ø</i> <i>clamp (see chapt. 10)</i>
	30 - 80 mm                  WG 17 (standard)
	50 - 104 mm                WG 18 (option)
	other mast-ø on request

**MATERIAL**                      aluminium, bolts of stainless steel, radome of UV-stabilized polyethylene

<b>WEIGHT</b>	24 kg
<b>WIND AREA</b>	0.63 m <sup>2</sup>
<b>WIND LOAD</b>	804 N (150 km/h) 604 N (130 km/h)

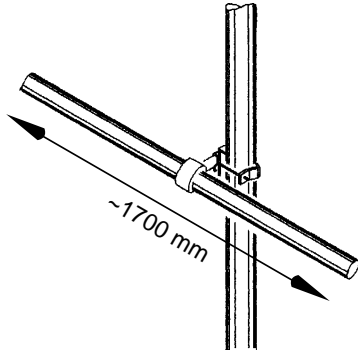
Vertical Radiation Pattern E Plane



KW 1-08

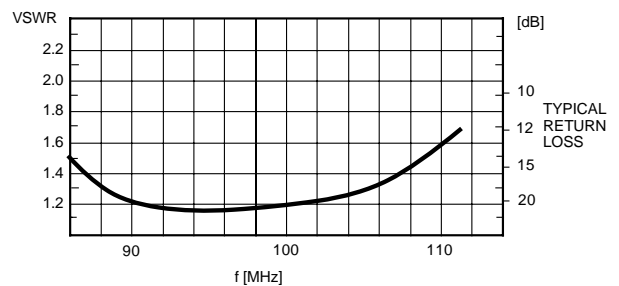
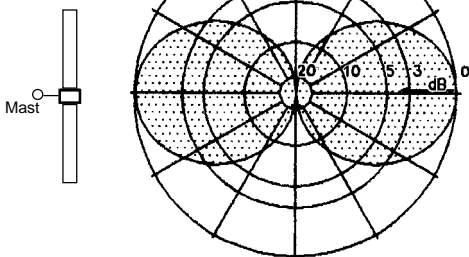
WIPIC reserves the right to amend specifications in the light of continuing development.





<b>TYPE NO.</b>	<b>WS U01 13 20 8: 87.5 - 108 MHz</b> , with radome further frequencies on request
<b>DESCRIPTION</b>	The radome protects the antenna dipole from environmental influences, icing, and increases the lightning protection.
<b>POLARIZATION</b>	horizontal
<b>IMPEDANCE</b>	50 $\Omega$
<b>GAIN</b>	0 dB (ref. $\lambda/2$ dipole)
<b>VSWR</b>	$\leq 1.3$ , at the limits of the band $<1.7$
<b>POWER</b>	max. 600 watts
<b>3 dB BEAMWIDTH</b>	horizontal, H plane: 2x 78° vertical, E plane: 360°
<b>TERMINATION</b>	2 m cable RG 213/U ending with N male other termination on request
<b>GROUNDING</b>	all metal parts are DC grounded
<b>MOUNTING</b>	<i>mast-<math>\emptyset</math></i> <i>clamp</i> 30 - 80 mm                      WG 13 (standard) 80 - 104 mm                      WG 14 (option) clamp for other mast- $\emptyset$ on request
<b>MATERIAL</b>	aluminium, bolts of stainless steel, weather-resistant plastics, radome of UV-stabilized polyethylene
<b>WEIGHT</b>	3 kg
<b>WIND AREA</b>	0.11 m <sup>2</sup>
<b>WIND LOAD</b>	140 N (150 km/h) 105 N (130 km/h)

Horizontal Radiation Pattern E Plane



**TYPE NO.** WS U01 13 21 7 : 87.5 - 100 MHz  
 WS U01 13 21 8 : 95 - 108 MHz  
 further frequencies on request

**DESCRIPTION** heavy duty with radome  
 The radome protects the antenna dipoles from environmental influences, icing, and increases the lightning protection.

**POLARIZATION** horizontal

**IMPEDANCE** 50 Ω

**GAIN** -2 dBd (ref. λ/2 dipole)

**VSWR** ≤ 1.3, at the limits of the band <1.5

**POWER** max. 600 watts, higher ratings on request

**3 dB BEAMWIDTH** horizontal, H plane: 360°  
 deviation from circularity ± 2 dB

**TERMINATION** in the junction box WAK 1 ending with N male  
 other termination on request

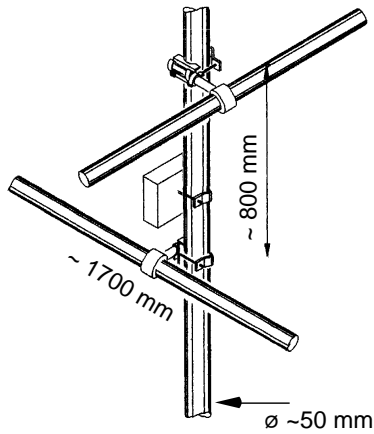
**GROUNDING** all metal parts are DC grounded

**DELIVERY** 2 dipoles with junction and box WAK 1

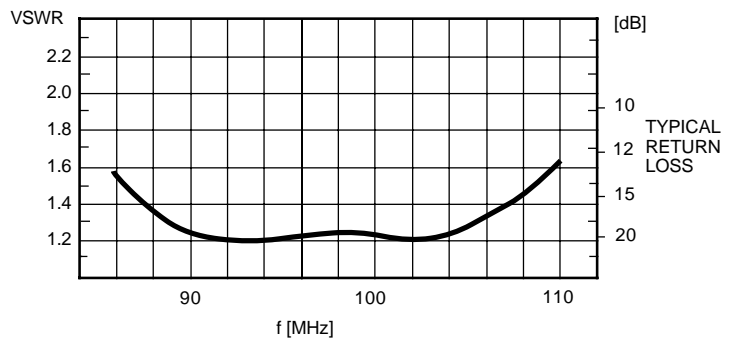
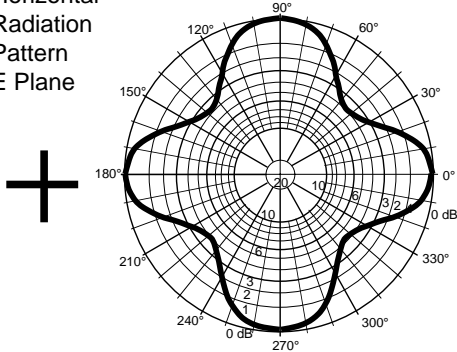
**MOUNTING** *mast-ø* 30 - 80 mm *clamp* WG 13 (standard)  
 80 - 104 mm WG 14 (option)  
 clamp for other mast-ø on request

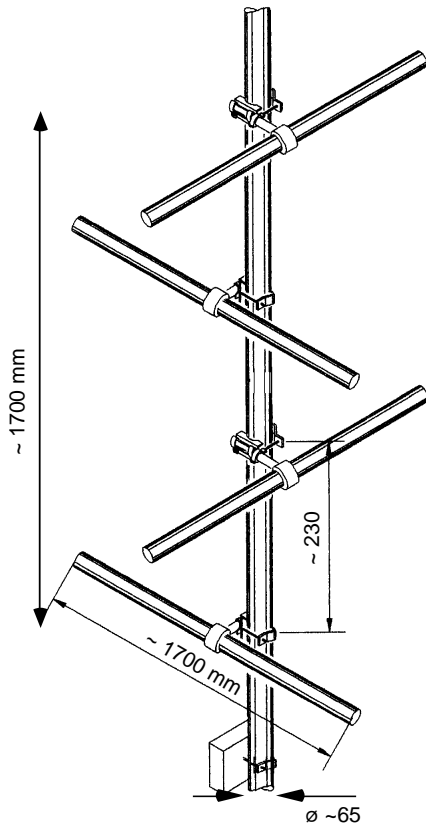
**MATERIAL** aluminium, bolts of stainless steel, weather-resistant  
 plastics, radome of UV-stabilized polyethylene

**WEIGHT** 12 kg  
**WIND AREA** 0.57 m<sup>2</sup>  
**WIND LOAD** 728 N (150 km/h)  
 546 N (130 km/h)



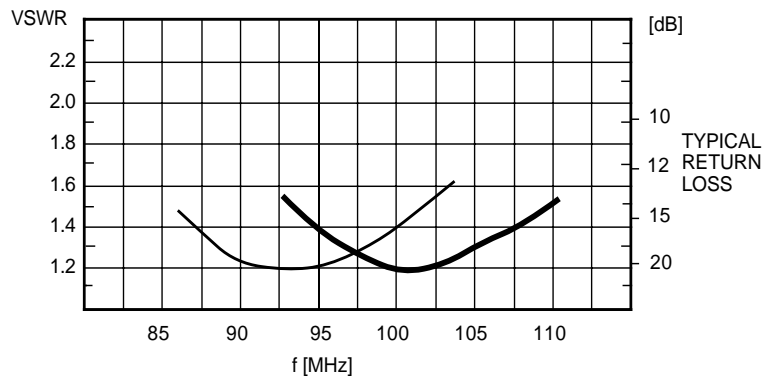
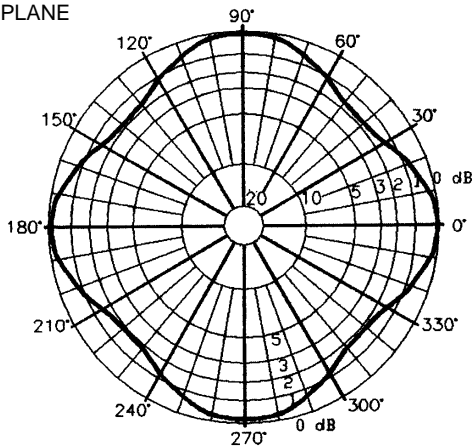
Horizontal Radiation Pattern E Plane



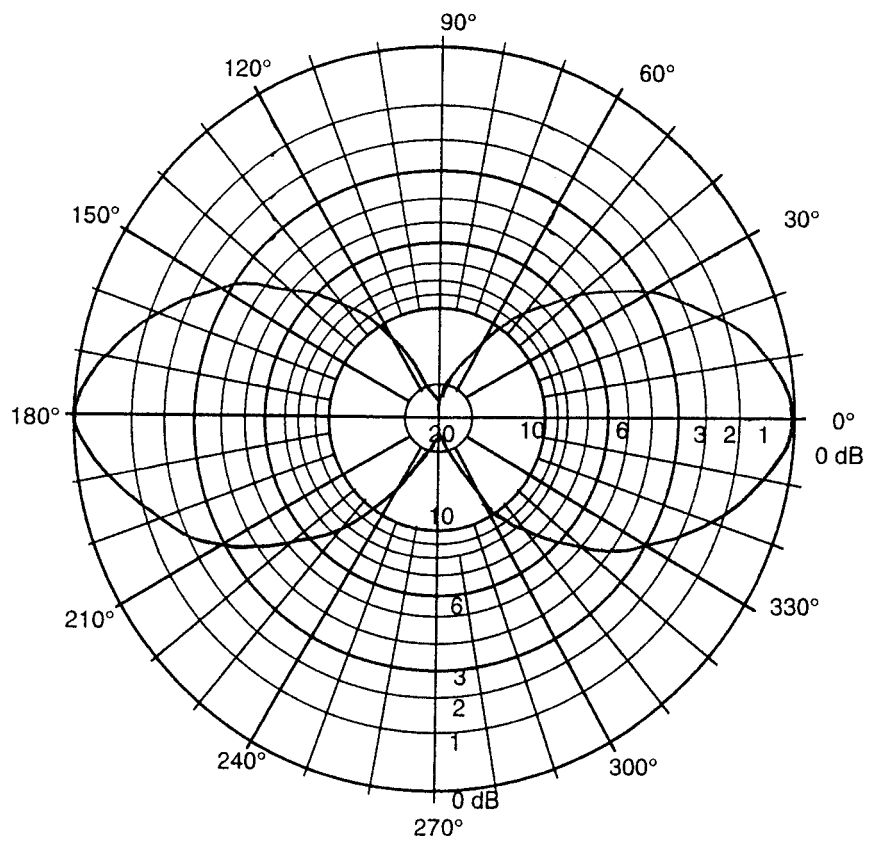
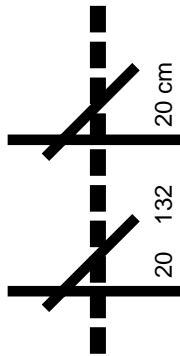


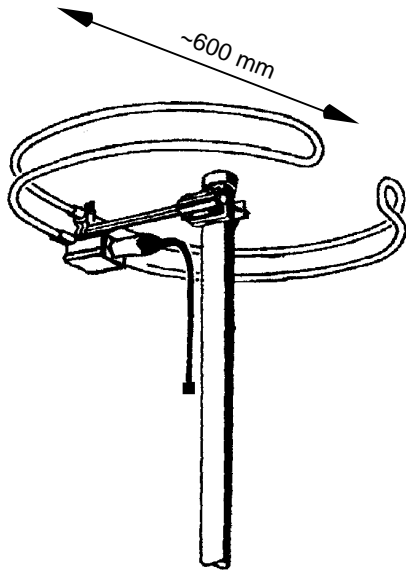
<b>TYPE NO.</b>	<b>WS U01 13 22 8 : 87.5 - 108 MHz</b> downtilt on request
<b>DESCRIPTION</b>	heavy duty, with radomes The radomes protects the antenna dipoles against environmental influences, icing, and increases the lightning protection.
<b>POLARIZATION</b>	horizontal
<b>IMPEDANCE</b>	50 Ω
<b>GAIN</b>	1 dBd (ref. to λ/2 dipole)
<b>VSWR</b>	< 1.3, at the limits of the band < 1.5
<b>POWER</b>	600 watts
<b>3 dB BEAMWIDTH</b>	horizontal: deviation from circularity 2 - 3 dB vertical: (E-plane) 62°
<b>TERMINATION</b>	in the junction box WAK 1 with N male all metal parts are DC grounded
<b>GROUNDING</b>	all metal parts are DC grounded
<b>MOUNTING</b>	<i>mast</i> ∅ <i>clamp (see chapt. 10)</i> 30 - 80 mm                WG 17 (standard) 50 - 104 mm              WG 18 (option)
<b>MATERIAL</b>	aluminium, bolts of stainless steel, radome of UV-stabilized polyethylene
<b>WEIGHT</b>	24 kg
<b>WIND AREA</b>	0.75 m <sup>2</sup>
<b>WIND LOAD</b>	960 N 720 N

HORIZONTAL  
RADIATION  
PATTERN  
E PLANE



**WS U01 13 22**  
**vertical radiation pattern 98 MHz**  
**H plane**  
**3 dB beamwidth 60°**





<b>TYPE NO.</b>	<b>WS U01 52 20 8: 87.5 - 108 MHz</b> light execution without radome	
<b>POLARIZATION</b>	horizontal	
<b>IMPEDANCE</b>	50 Ω	
<b>GAIN</b>	-2 dB (ref. λ/2 dipole)	
<b>VSWR</b>	< 2 at 97 - 100 MHz, at the limits of the bands < 7	
<b>POWER</b>	max. 150 watts	
<b>3 dB BEAMWIDTH</b>	horizontal, H plane: 360° (deviation from circularity ± 3 dB)	
<b>TERMINATION</b>	2 m cable RG 213/U ending with N male other termination on request	
<b>GROUNDING</b>	all metal parts are DC grounded	
<b>MOUNTING</b>	mast-∅	clamp
	30 - 80 mm	WG 8 (standart)
	50 - 104 mm	WG 9 (option)
<b>MATERIAL</b>	aluminium, bolts of stainless steel, weather-resistant plastics	
<b>WEIGHT</b>	1.1 kg	
<b>WIND AREA</b>	0.04 m <sup>2</sup>	
<b>WIND LOAD</b>	50 N (150 km/h)	
	40 N (130 km/h)	

Horizontal  
Radiation  
Pattern  
E Plane

