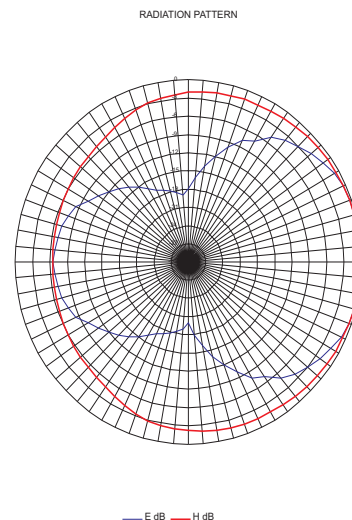
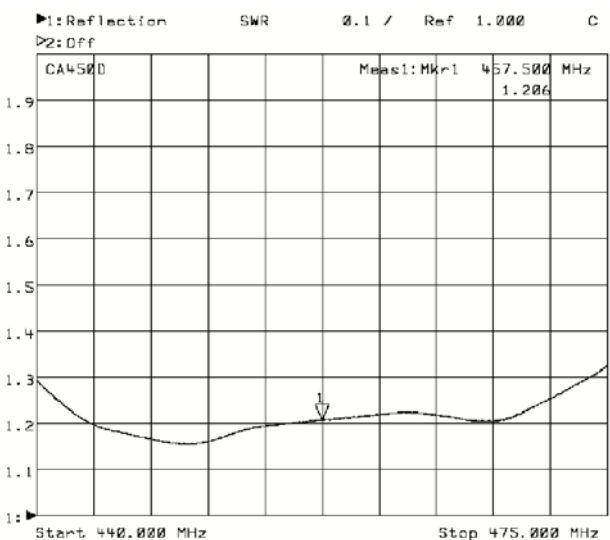




FREQUENCY INDEPENDENT DATA

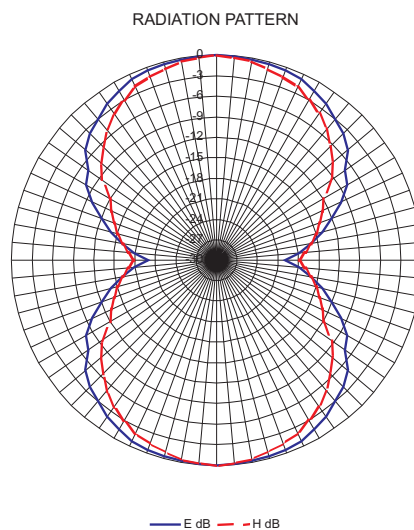
Description:	offset pattern dipole
Frequency:	135-145 MHz, 144-156 MHz, 154-166 MHz, 163-177 MHz, 365-395 MHz, 380-410 MHz, 405-440 MHz, 440-475 MHz, 830-890 MHz, 890-960 MHz
Impedance:	50 ohm
Gain:	4 dBi
Polarization:	vertical/horizontal
Connector:	N-female/TNC-female
VSWR:	< 1.5
Radome:	UV resistant ABS, RAL 7012, PU foam filling
Radiator:	copper
Attachment:	Ø 35-60 mm, aluminium alloy bracket, stainless steel V- bolts and self locking nuts
Lightning protection:	DC-short circuited
Temperature:	-40° - +80°C
IP:	67

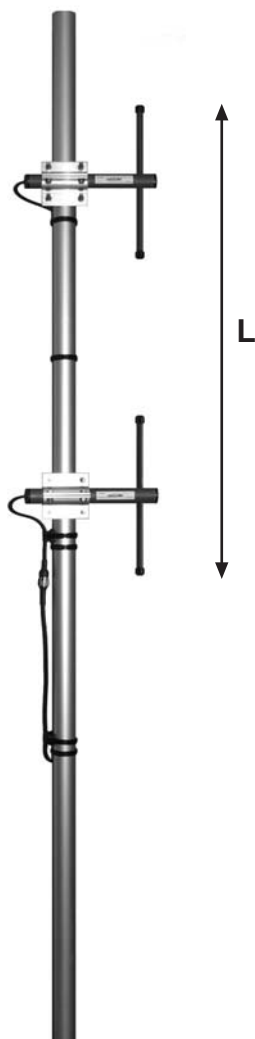




FREQUENCY INDEPENDENT DATA

Description:	bidirectional broadside
Frequency:	135-145 MHz, 144-156 MHz, 154-166 MHz, 163-177 MHz, 365-395 MHz, 380-410 MHz, 405-440 MHz, 440-475 MHz,
Impedance:	50 ohm
Gain:	6 dBi
Polarization:	vertical
Connector:	N-female/TNC-female
VSWR:	< 1.5
Radome:	UV resistant ABS, RAL 7012, PU foam filling
Radiator:	copper
Attachment:	Ø 35-60 mm, aluminium alloy bracket, stainless steel V- bolts and self locking nuts
Lightning protection:	DC-short circuited
Temperature:	-40° - +80°C
IP:	67

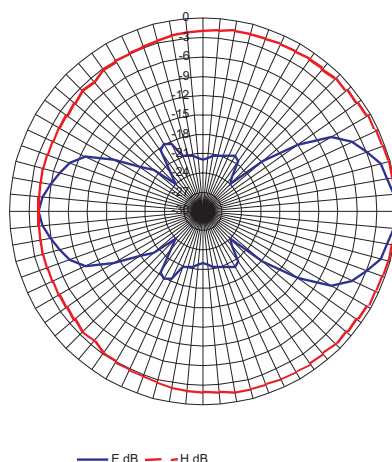




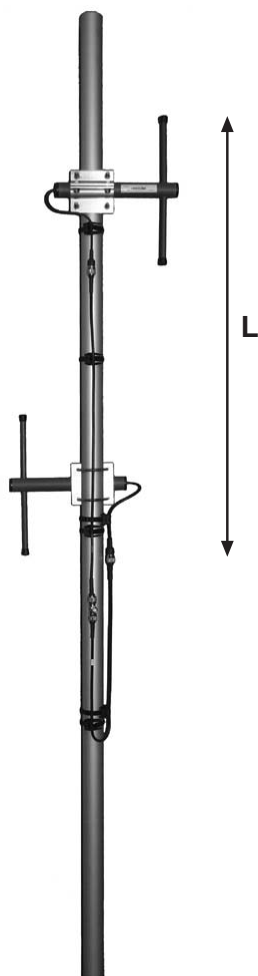
FREQUENCY INDEPENDENT DATA

Description:	offset pattern collinear, optional beam tilting
Frequency:	135-145 MHz, 144-156 MHz, 154-166 MHz, 163-177 MHz, 365-395 MHz, 380-410 MHz, 405-440 MHz, 440-475 MHz,
Impedance:	50 ohm
Gain:	7 dBi
Polarization:	vertical
Connector:	N-female/TNC-female
VSWR:	< 1.5
Radome:	UV resistant ABS, RAL 7012, PU foam filling
Radiator:	copper
Attachment:	Ø 35-60 mm, aluminium alloy bracket, stainless steel V- bolts and self locking nuts
Lightning protection:	DC-short circuited
Temperature:	-40° - +80°C
IP:	67

RADIATION PATTERN



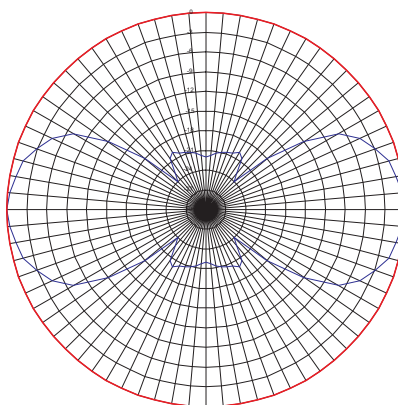
CAC2 OFFSET PATTERN COLLINEAR



FREQUENCY INDEPENDENT DATA

Description:	omnidirectional echelon optional beam tilting
Frequency:	135-145 MHz, 144-156 MHz, 154-166 MHz, 163-177 MHz, 365-395 MHz, 380-410 MHz, 405-440 MHz, 440-475 MHz,
Impedance:	50 ohm
Gain:	5 dBi
Polarization:	vertical
Connector:	N-female/TNC-female
VSWR:	< 1.5
Radome:	UV resistant ABS, RAL 7012, PU foam filling
Radiator:	copper
Attachment:	Ø 35-60 mm, aluminium alloy bracket, stainless steel V- bolts and self locking nuts
Lightning protection:	DC-short circuited
Temperature:	-40° - +80°C
IP:	67

RADIATION PATTERN



— E dB — H dB

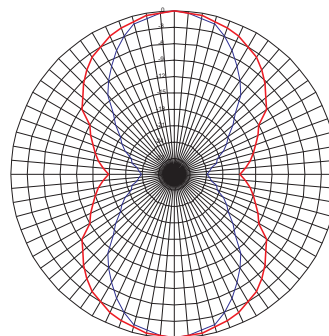
CAE2 OMNIDIRECTIONAL ECHELON



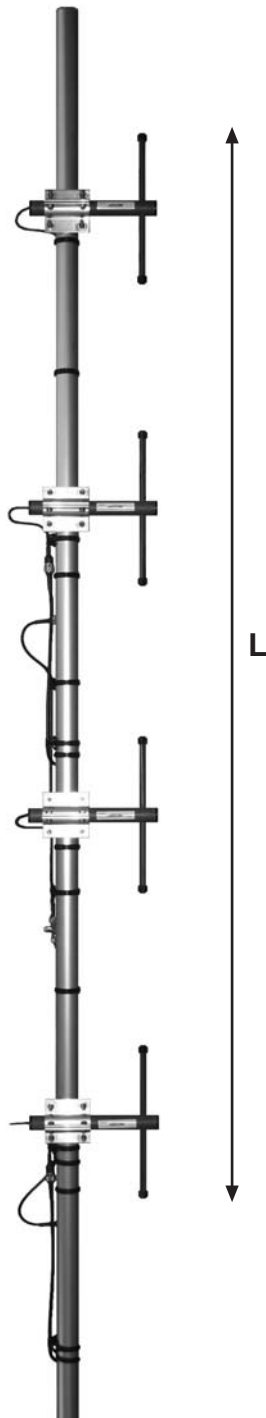
FREQUENCY INDEPENDENT DATA

Description:	bidirectional stacked broadside
Frequency:	135-145 MHz, 144-156 MHz, 154-166 MHz, 163-177 MHz, 365-395 MHz, 380-410 MHz, 405-440 MHz, 440-475 MHz,
Impedance:	50 ohm
Gain:	9 dBi
Polarization:	vertical/horizontal
Connector:	N-female/TNC-female
VSWR:	< 1.5
Radome:	UV resistant ABS, RAL 7012, PU foam filling
Radiator:	copper
Attachment:	Ø 35-60 mm, aluminium alloy bracket, stainless steel V- bolts and self locking nuts
Lightning protection:	DC-short circuited
Temperature:	-40° - +80°C
IP:	67

RADIATION PATTERN

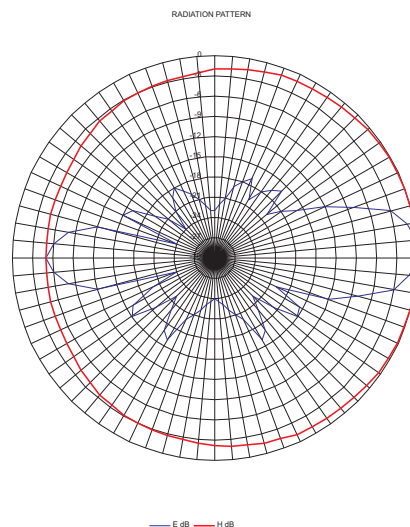


— E dB — H dB

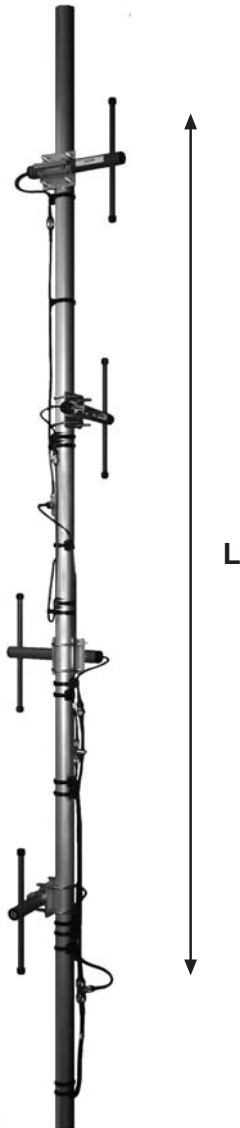


FREQUENCY INDEPENDENT DATA

Description:	offset pattern collinear, optional beam tilting
Frequency:	135-145 MHz, 144-156 MHz, 154-166 MHz, 163-177 MHz, 365-395 MHz, 380-410 MHz, 405-440 MHz, 440-475 MHz,
Impedance:	50 ohm
Gain:	10 dBi
Polarization:	vertical
Connector:	N-female/TNC-female
VSWR:	< 1.5
Radome:	UV resistant ABS, RAL 7012, PU foam filling
Radiator:	copper
Attachment:	Ø 35-60 mm, aluminium alloy bracket, stainless steel V- bolts and self locking nuts
Lightning protection:	DC-short circuited
Temperature:	-40° - +80°C
IP:	67



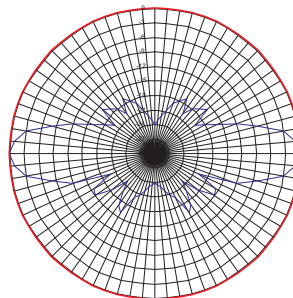
CAC4 OFFSET PATTERN COLLINEAR



FREQUENCY INDEPENDENT DATA

Description:	omnidirectional echelon optional beam tilting
Frequency:	135-145 MHz, 144-156 MHz, 154-166 MHz, 163-177 MHz, 365-395 MHz, 380-410 MHz, 405-440 MHz, 440-475 MHz,
Impedance:	50 ohm
Gain:	8 dBi
Polarization:	vertical
Connector:	N-female/TNC-female
VSWR:	< 1.5
Radome:	UV resistant ABS, RAL 7012, PU foam filling
Radiator:	copper
Attachment:	Ø 35-60 mm, aluminium alloy bracket, stainless steel V- bolts and self locking nuts
Lightning protection:	DC-short circuited
Temperature:	-40° - +80°C
IP:	67

RADIATION PATTERN



— E dB — H dB

CAE4 OMNIDIRECTIONAL ECHELON

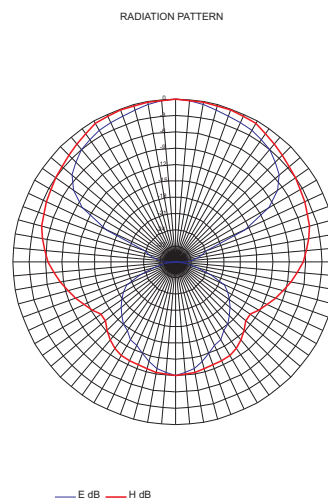


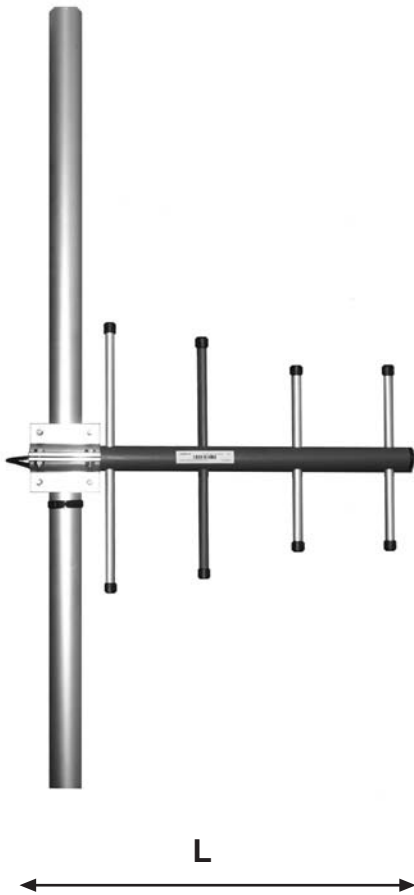
FREQUENCY INDEPENDENT DATA

Description:	directional yagi
Frequency:	135-145 MHz, 144-156 MHz, 154-166 MHz, 163-177 MHz, 365-395 MHz, 380-410 MHz, 405-440 MHz, 440-475 MHz, 830-890 MHz, 865-925 MHz, 890-960 MHz
Impedance:	50 ohm
Gain:	6 dBi
Polarization:	vertical/horizontal
Connector:	N-female/TNC-female
VSWR:	< 1.5
Radome:	UV resistant ABS, RAL 7012, PU foam filling
Radiator:	copper
Passive elements:	coated aluminium
Attachment:	Ø 35-60 mm, aluminium alloy bracket, stainless steel V- bolts and self locking nuts
Lightning protection:	DC-short circuited
Temperature:	-40° - +80°C
IP:	67

DIRECTIONAL YAGI

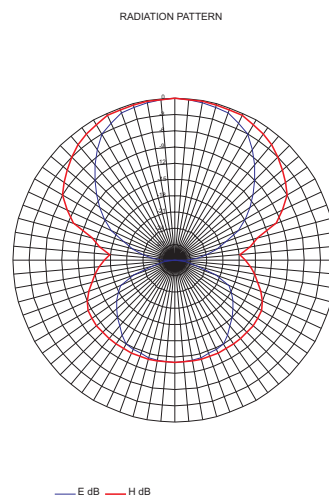
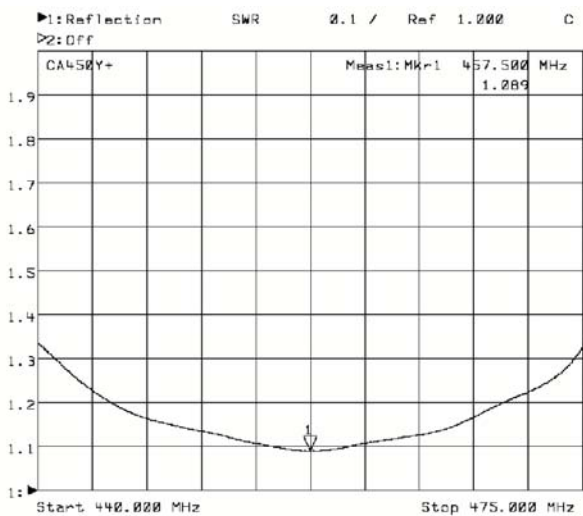
CAY

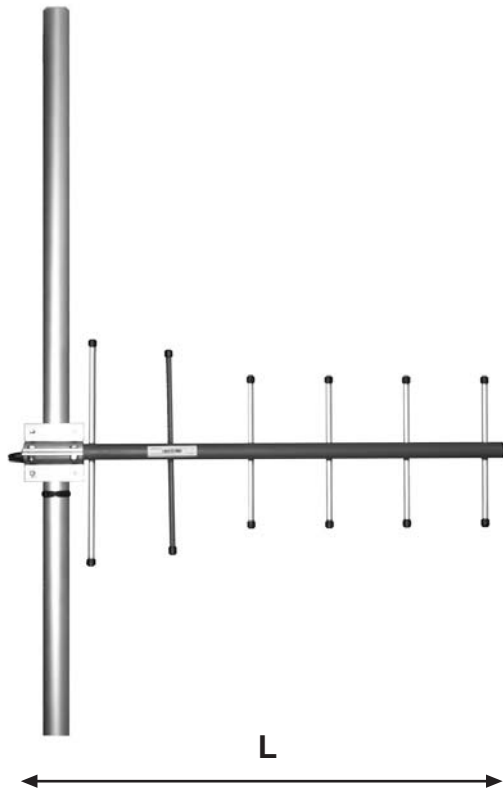




FREQUENCY INDEPENDENT DATA

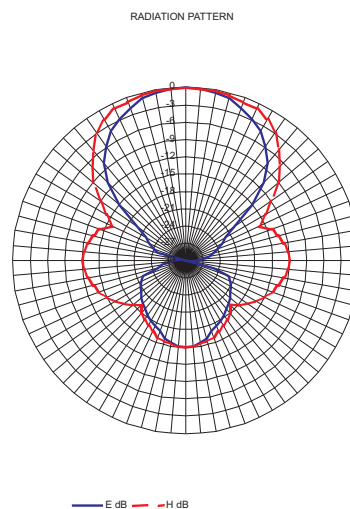
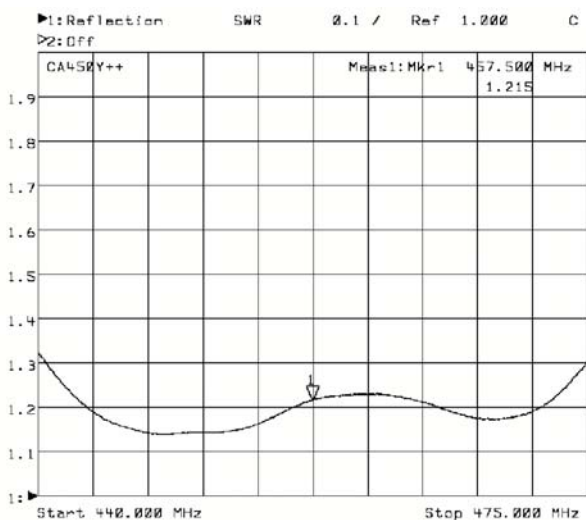
Description:	directional yagi
Frequency:	135-145 MHz, 144-156 MHz, 154-166 MHz, 163-177 MHz, 365-395 MHz, 380-410 MHz, 405-440 MHz, 440-475 MHz, 830-890 MHz, 865-925 MHz, 890-960 MHz
Impedance:	50 ohm
Gain:	8 dBi
Polarization:	vertical/horizontal
Connector:	N-female/TNC-female
VSWR:	< 1.5
Radome:	UV resistant ABS, RAL 7012, PU foam filling
Radiator:	copper
Passive elements:	coated aluminium
Attachment:	Ø 35-60 mm, aluminium alloy bracket, stainless steel V- bolts and self locking nuts
Lightning protection:	DC-short circuited
Temperature:	-40° - +80°C
IP:	67



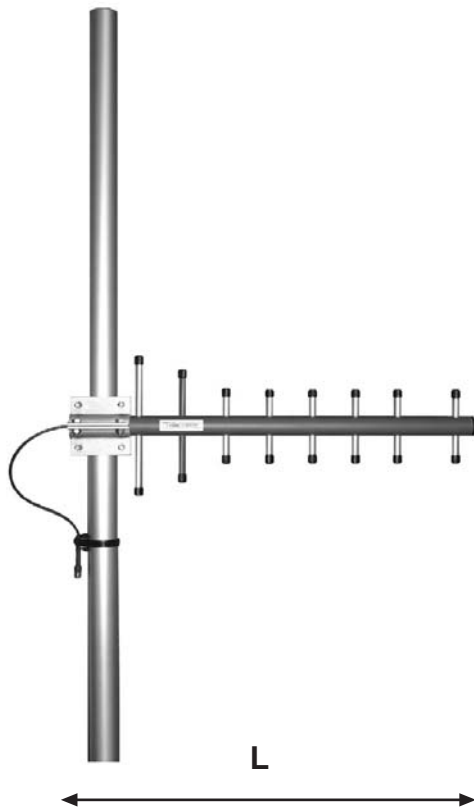


FREQUENCY INDEPENDENT DATA

Description:	directional yagi
Frequency:	365-395 MHz, 380-410 MHz, 405-440 MHz, 440-475 MHz, 830-890 MHz, 865-925 MHz, 890-960 MHz
Impedance:	50 ohm
Gain:	10 dBi
Polarization:	vertical/horizontal
Connector:	N-female/TNC-female
VSWR:	< 1.5
Radome:	UV resistant ABS, RAL 7012, PU foam filling
Radiator:	copper
Passive elements:	coated aluminium
Attachment:	Ø 35-60 mm, aluminium alloy bracket, stainless steel V- bolts and self locking nuts
Lightning protection:	DC-short circuited
Temperature:	-40° - +80°C
IP:	67

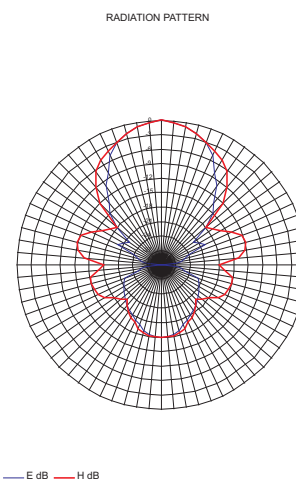
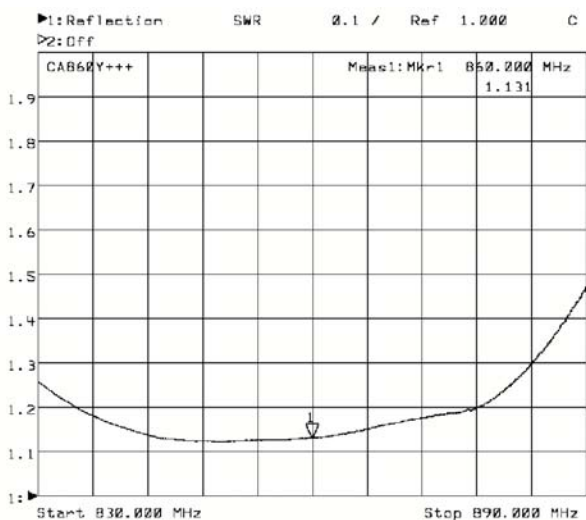


CAY++ DIRECTIONAL YAGI

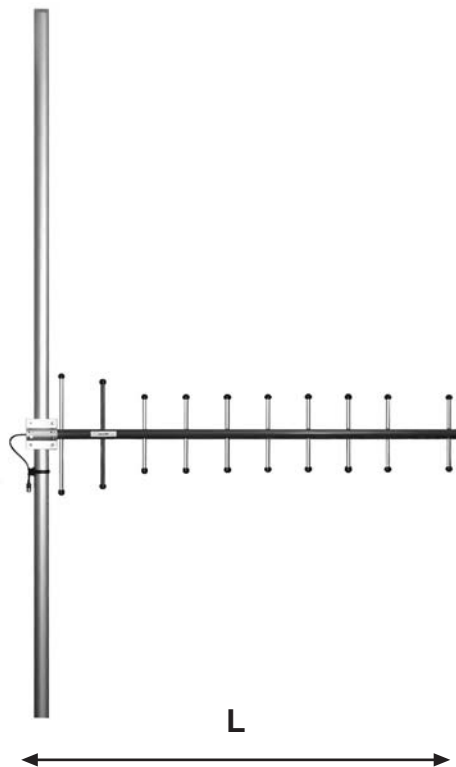


FREQUENCY INDEPENDENT DATA

Description:	directional yagi
Frequency:	405-440 MHz, 440-475 MHz, 830-890 MHz, 865-925 MHz, 890-960 MHz
Impedance:	50 ohm
Gain:	11 dBi
Polarization:	vertical/horizontal
Connector:	N-female/TNC-female
VSWR:	< 1.5
Radome:	UV resistant ABS, RAL 7012, PU foam filling
Radiator:	copper
Passive elements:	coated aluminium
Attachment:	Ø 35-60 mm, aluminium alloy bracket, stainless steel V- bolts and self locking nuts
Lightning protection:	DC-short circuited
Temperature:	-40° - +80°C
IP:	67

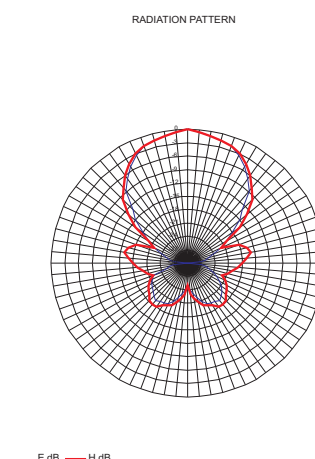
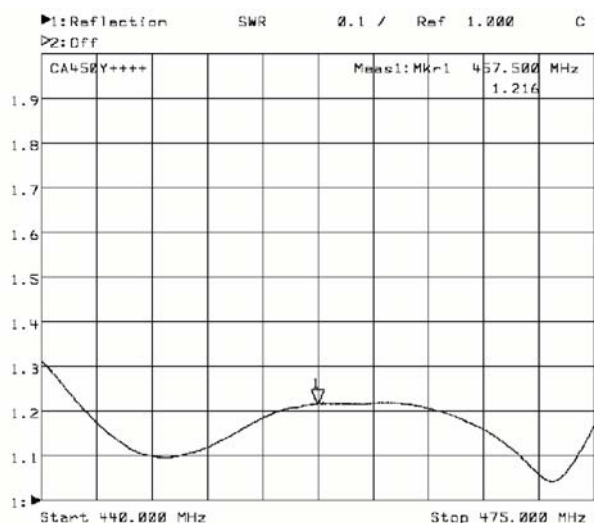


CAY+++ DIRECTIONAL YAGI



FREQUENCY INDEPENDENT DATA

Description: directional yagi
 Frequency: 380-410 MHz, 405-440 MHz, 440-475 MHz, 830-890 MHz, 865-925 MHz, 890-960 MHz
 Impedance: 50 ohm
 Gain: 12 dBi
 Polarization: vertical/horizontal
 Connector: N-female/TNC-female
 VSWR: < 1.5
 Radome: UV resistant ABS, RAL 7012, PU foam filling
 Radiator: copper
 Passive elements: coated aluminium
 Attachment: Ø 35-60 mm, aluminium alloy bracket, stainless steel V-bolts and self locking nuts
 Lightning protection: DC-short circuited
 Temperature: -40° - +80°C
 IP: 67



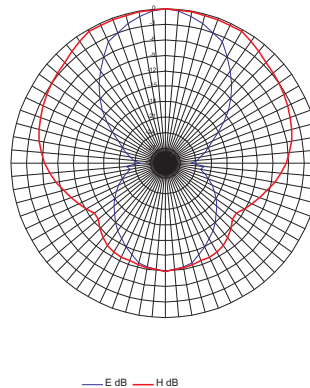
CAY++++ DIRECTIONAL YAGI

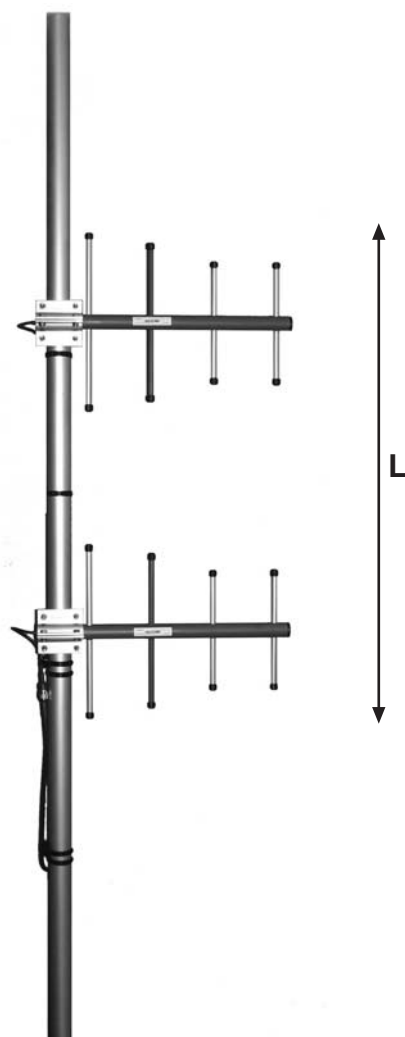


FREQUENCY INDEPENDENT DATA

Description:	directional stacked yagi array optional beam tilting
Frequency:	135-145 MHz, 144-156 MHz, 154-166 MHz, 163-177 MHz, 365-395 MHz, 380-410 MHz, 405-440 MHz, 440-475 MHz
Impedance:	50 ohm
Gain:	9 dBi
Polarization:	vertical/horizontal
Connector:	N-female/TNC-female
VSWR:	< 1.5
Radome:	UV resistant ABS, RAL 7012, PU foam filling
Radiator:	copper
Passive elements:	coated aluminium
Attachment:	Ø 35-60 mm, aluminium alloy bracket, stainless steel V- bolts and self locking nuts
Lightning protection:	DC-short circuited
Temperature:	-40° - +80°C
IP:	67

RADIATION PATTERN

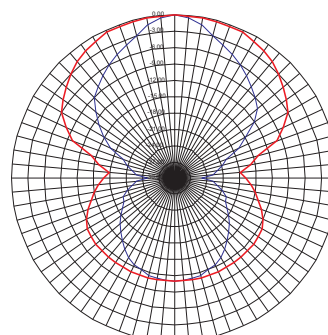




FREQUENCY INDEPENDENT DATA

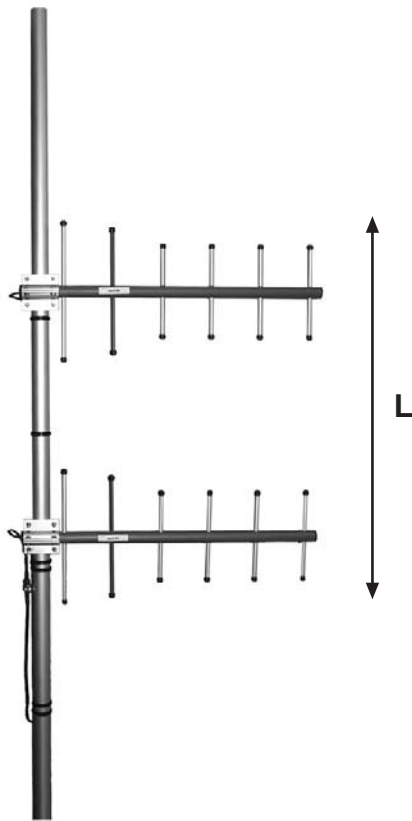
Description:	directional stacked yagi array optional beam tilting
Frequency:	365-395 MHz, 380-410 MHz, 405-440 MHz, 440-475 MHz,
Impedance:	50 ohm
Gain:	11 dBi
Polarization:	vertical/horizontal
Connector:	N-female/TNC-female
VSWR:	< 1.5
Radome:	UV resistant ABS, RAL 7012, PU foam filling
Radiator:	copper
Passive elements:	coated aluminium
Attachment:	Ø 35-60 mm, aluminium alloy bracket, stainless steel V- bolts and self locking nuts
Lightning protection:	DC-short circuited
Temperature:	-40° - +80°C
IP:	67

RADIATION PATTERN



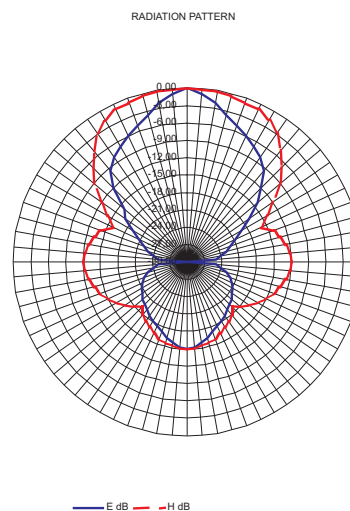
— E dB — H dB

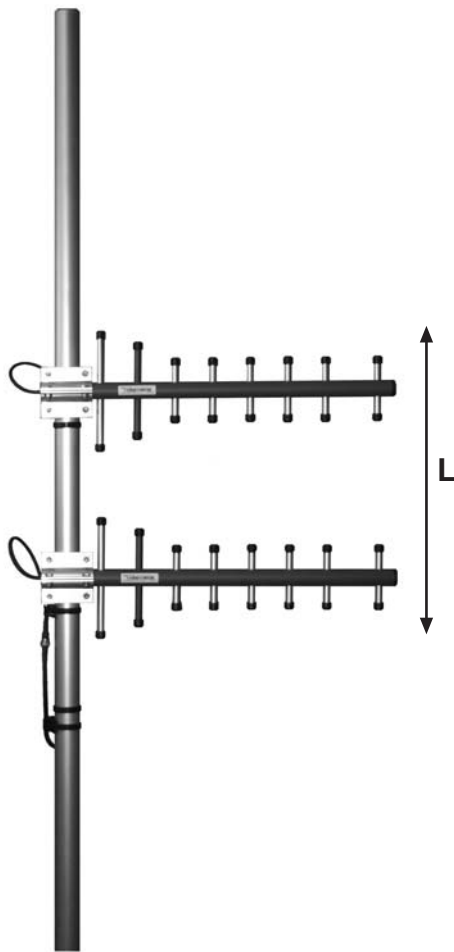
CAS2+ DIRECTIONAL STACKED YAGI ARRAY



FREQUENCY INDEPENDENT DATA

Description:	directional stacked yagi array optional beam tilting
Frequency:	365-395 MHz, 380-410 MHz, 405-440 MHz, 440-475 MHz,
Impedance:	50 ohm
Gain:	13 dBi
Polarization:	vertical/horizontal
Connector:	N-female/TNC-female
VSWR:	< 1.5
Radome:	UV resistant ABS, RAL 7012, PU foam filling
Radiator:	copper
Passive elements:	coated aluminium
Attachment:	Ø 35-60 mm, aluminium alloy bracket, stainless steel V- bolts and self locking nuts
Lightning protection:	DC-short circuited
Temperature:	-40° - +80°C
IP:	67

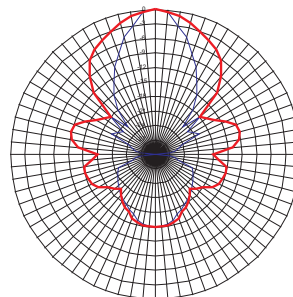




FREQUENCY INDEPENDENT DATA

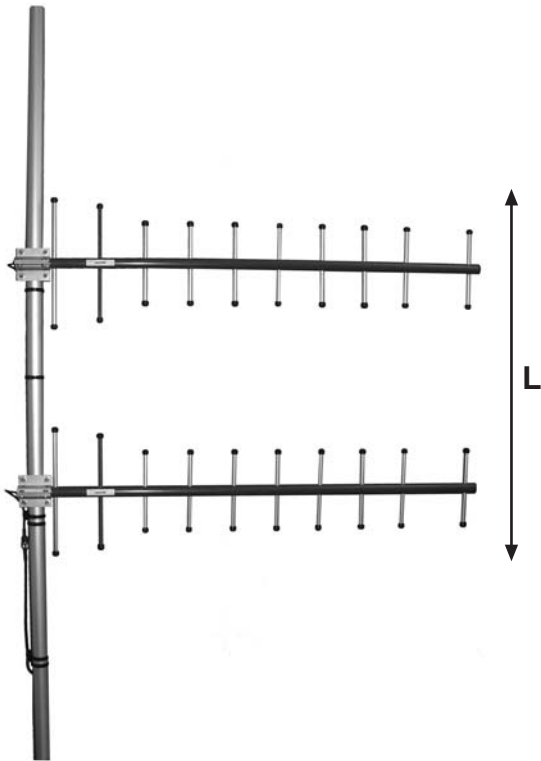
Description:	directional stacked yagi array optional beam tilting
Frequency:	365-395 MHz, 380-410 MHz, 405-440 MHz, 440-475 MHz,
Impedance:	50 ohm
Gain:	14 dBi
Polarization:	vertical/horizontal
Connector:	N-female/TNC-female
VSWR:	< 1.5
Radome:	UV resistant ABS, RAL 7012, PU foam filling
Radiator:	copper
Passive elements:	coated aluminium
Attachment:	Ø 35-60 mm, aluminium alloy bracket, stainless steel V- bolts and self locking nuts
Lightning protection:	DC-short circuited
Temperature:	-40° - +80°C
IP:	67

RADIATION PATTERN



— E dB — H dB

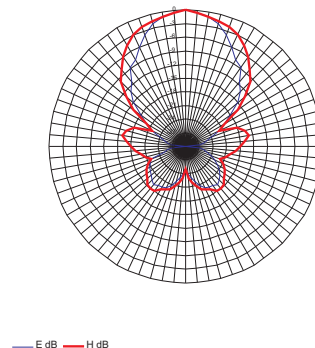
CAS2++++ DIRECTIONAL STACKED YAGI ARRAY



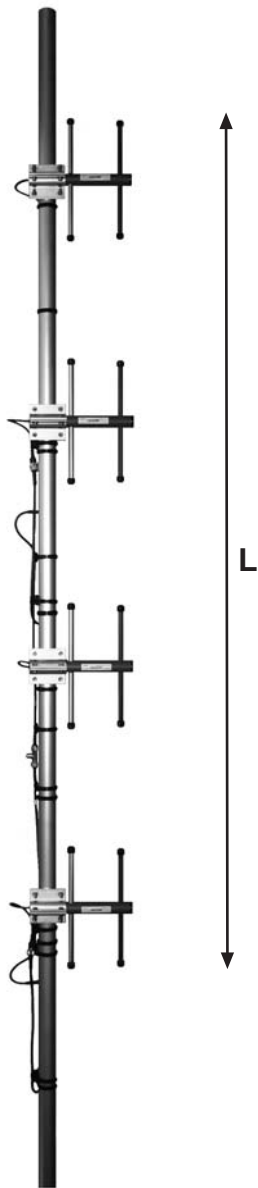
FREQUENCY INDEPENDENT DATA

Description:	directional stacked yagi array optional beam tilting
Frequency:	365-395 MHz, 380-410 MHz, 405-440 MHz, 440-475 MHz,
Impedance:	50 ohm
Gain:	15 dBi
Polarization:	vertical/horizontal
Connector:	N-female/TNC-female
VSWR:	< 1.5
Radome:	UV resistant ABS, RAL 7012, PU foam filling
Radiator:	copper
Passive elements:	coated aluminium
Attachment:	Ø 35-60 mm, aluminium alloy bracket, stainless steel V- bolts and self locking nuts
Lightning protection:	DC-short circuited
Temperature:	-40° - +80°C
IP:	67

RADIATION PATTERN



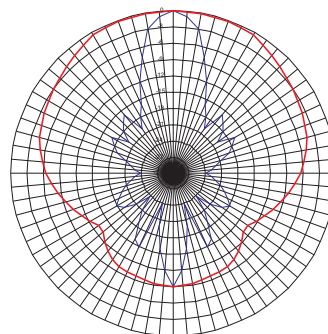
CAS2++++ DIRECTIONAL STACKED YAGI ARRAY



FREQUENCY INDEPENDENT DATA

Description:	directional stacked yagi array optional beam tilting
Frequency:	135-145 MHz, 144-156 MHz, 154-166 MHz, 163-177 MHz, 365-395 MHz, 380-410 MHz, 405-440 MHz, 440-475 MHz,
Impedance:	50 ohm
Gain:	12 dBi
Polarization:	vertical/horizontal
Connector:	N-female/TNC-female
VSWR:	< 1.5
Radome:	UV resistant ABS, RAL 7012, PU foam filling
Radiator:	copper
Passive elements:	coated aluminium
Attachment:	Ø 35-60 mm, aluminium alloy bracket, stainless steel V- bolts and self locking nuts
Lightning protection:	DC-short circuited
Temperature:	-40° - +80°C
IP:	67

RADIATION PATTERN



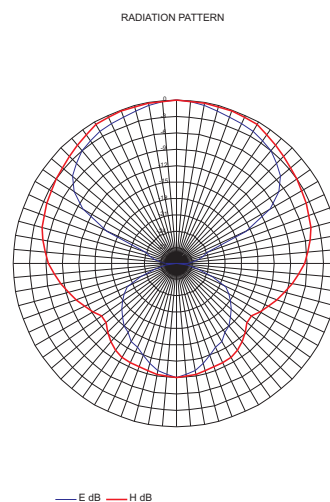
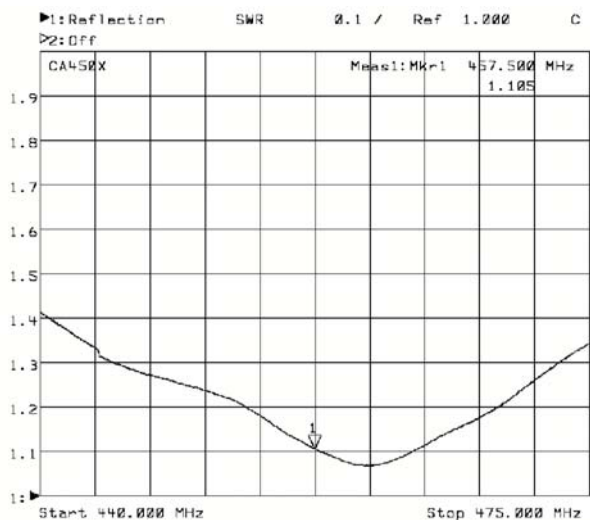
— E dB — H dB

CAS4 DIRECTIONAL STACKED YAGI ARRAY

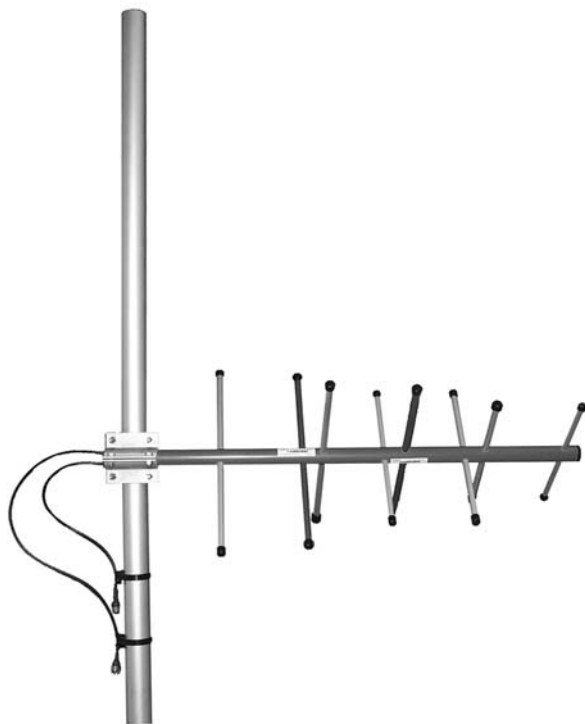


FREQUENCY INDEPENDENT DATA

Description:	cross-polarized yagi, dual feed, physically quarter wavelength along the boom phased,
Frequency:	380-410 MHz, 405-440 MHz, 440-475 MHz, 830-890 MHz, 890-960 MHz
Impedance:	50 ohm
Gain:	6 dBi
Polarization:	dual/circular
Isolation:	30 dB
Connector:	2*N-female/2*TNC-female
VSWR:	< 1.5
Radome:	UV resistant ABS, RAL 7012, PU foam filling
Radiator:	copper
Passive elements:	coated aluminium
Attachment:	Ø 35-60 mm, aluminium alloy bracket, stainless steel V-bolts and self locking nuts
Lightning protection:	DC-short circuited
Temperature:	-40° - +80°C
IP:	67

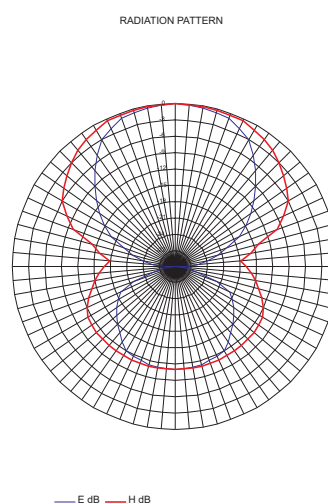


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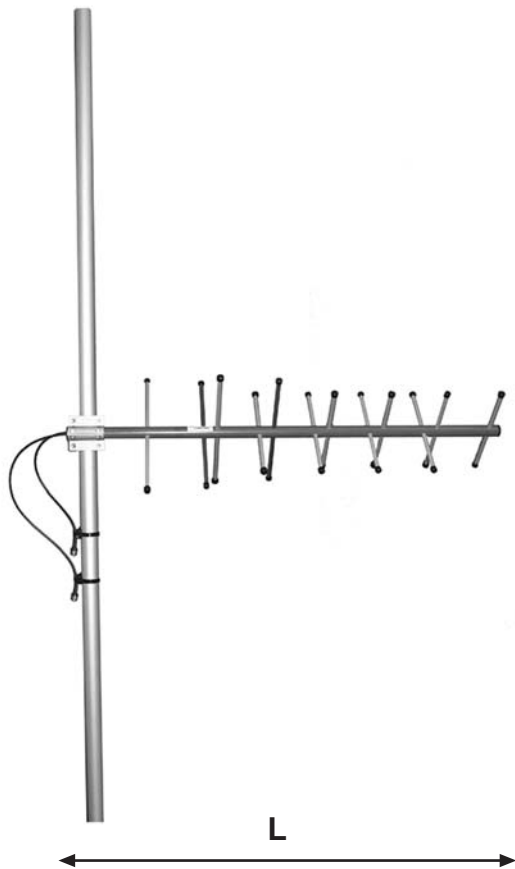


FREQUENCY INDEPENDENT DATA

Description:	cross-polarized yagi, dual feed, physically quarter wavelength along the boom phased,
Frequency:	380-410 MHz, 405-440 MHz, 440-475 MHz, 830-890 MHz, 890-960 MHz
Impedance:	50 ohm
Gain:	8 dBi
Polarization:	dual/circular
Isolation:	30 dB
Connector:	2*N-female/2*TNC-female
VSWR:	< 1.5
Radome:	UV resistant ABS, RAL 7012, PU foam filling
Radiator:	copper
Passive elements:	coated aluminium
Attachment:	Ø 35-60 mm, aluminium alloy bracket, stainless steel V-bolts and self locking nuts
Lightning protection:	DC-short circuited
Temperature:	-40° - +80°C
IP:	67

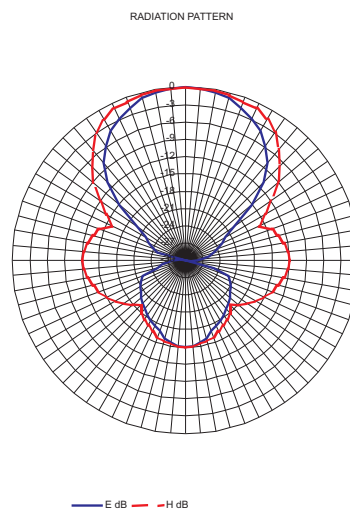
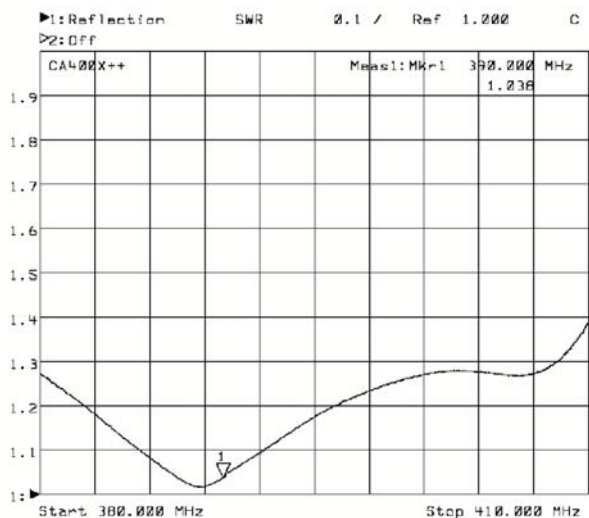


CAX+ CROSS-POLARIZED YAGI

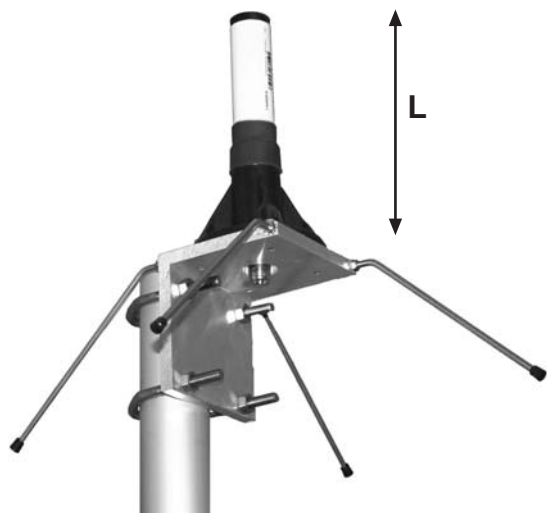


FREQUENCY INDEPENDENT DATA

Description: cross-polarized yagi, dual feed, physically quarter wavelength along the boom phased,
Frequency: 380-410 MHz, 405-440 MHz, 440-475 MHz, 830-890 MHz, 890-960 MHz
Impedance: 50 ohm
Gain: 10 dBi
Polarization: dual/circular
Isolation: 30 dB
Connector: 2*N-female/2*TNC-female
VSWR: < 1.5
Radome: UV resistant ABS, RAL 7012, PU foam filling
Radiator: copper
Passive elements: coated aluminium
Attachment: ø 35-60 mm, aluminium alloy bracket, stainless steel V-bolts and self locking nuts
Lightning protection: DC-short circuited
Temperature: -40° - +80°C
IP: 67



CAX++ CROSS-POLARIZED YAGI



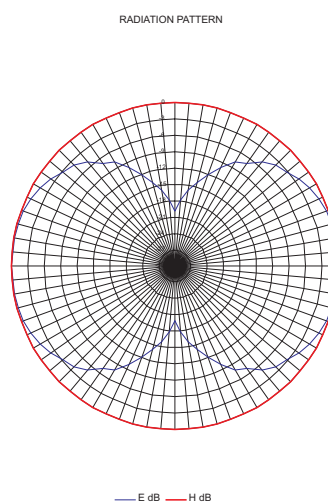
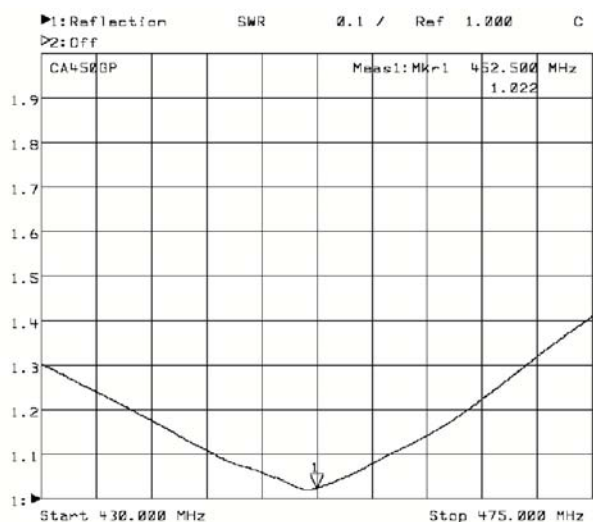
FREQUENCY INDEPENDENT DATA

Description: omnidirectional ground plane
Frequency: 135-145 MHz, 144-156 MHz, 154-166 MHz, 163-177 MHz, 380-430 MHz, 430-475 MHz, 830-890 MHz, 890-960 MHz, 2300-2500 MHz

Impedance: 50 ohm
Gain: 2 dBi
Polarization: vertical
Connector: N-female/TNC-female
VSWR: < 1.5
Radome: UV resistant
fiberglass, white / PP, black
PU foam filling

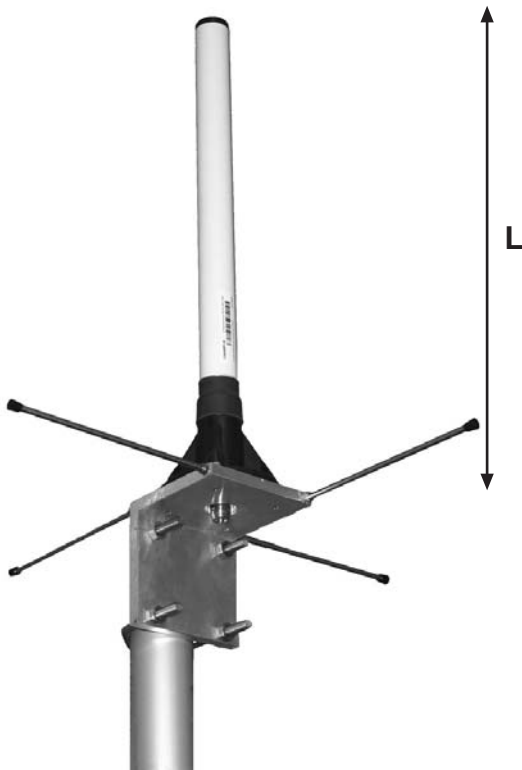
Radiator: copper
Attachment: Ø 35-60 mm, aluminium alloy
bracket, stainless steel V-bolts and self locking nuts

Lightning protection: DC-short circuited, -grounded
Temperature: -40° - +80°C
IP: 67



CAGP OMNIDIRECTIONAL GROUND PLANE

ComAnt[®] Communications Antennas



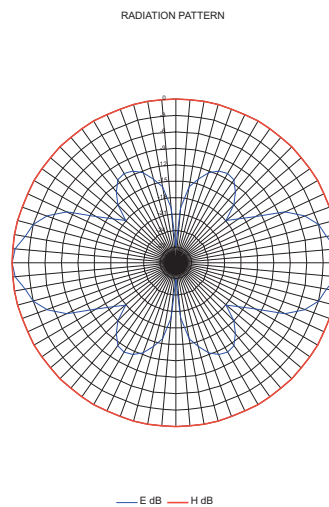
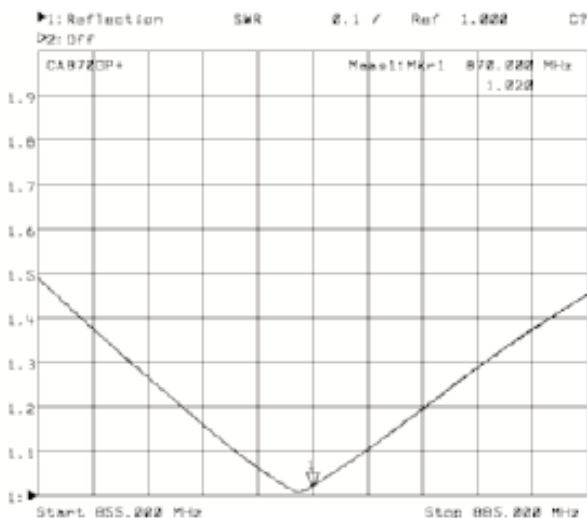
FREQUENCY INDEPENDENT DATA

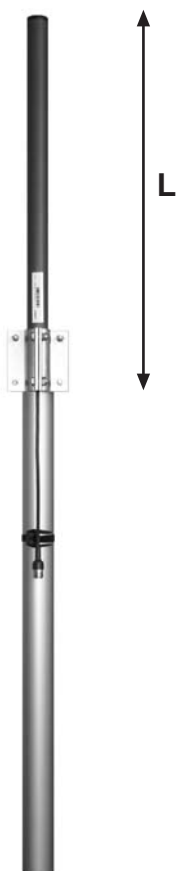
Description: omnidirectional ground plane
 Frequency: 401-409 MHz, 406-414 MHz,
 416-424 MHz, 426-434 MHz,
 431-439 MHz, 436-444 MHz,
 446-454 MHz, 456-464 MHz,
 465-475 MHz, 860-880 MHz

Impedance: 50 ohm
 Gain: 6 dBi
 Polarization: vertical
 Connector: N-female/TNC-female
 VSWR: < 1.5
 Radome: UV resistant fiberglass, white /
 PE, black,
 PU foam filling

Radiator: copper
 Attachment: Ø 35-60 mm, aluminium alloy
 bracket, stainless steel V-
 bolts and self locking nuts

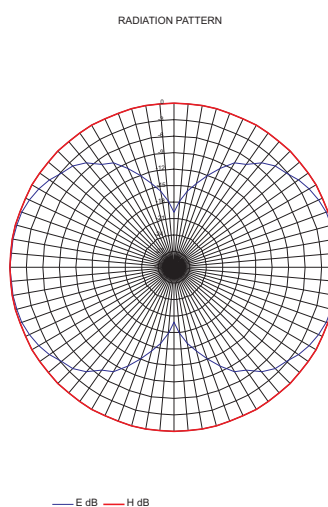
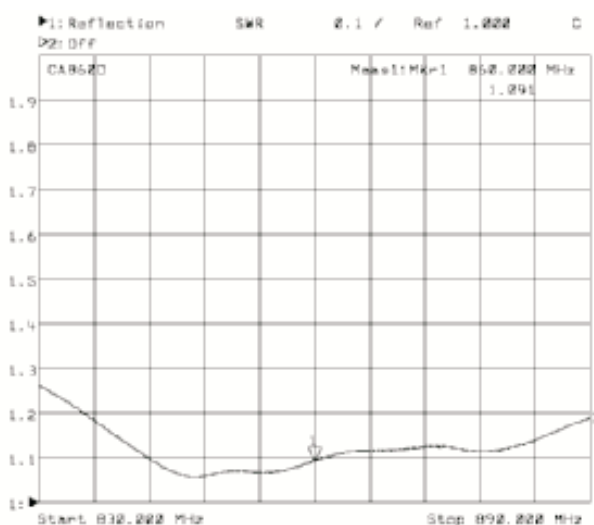
Lightning protection: DC-short circuited, -grounded
 Temperature: -40° - +80°C
 IP: 67

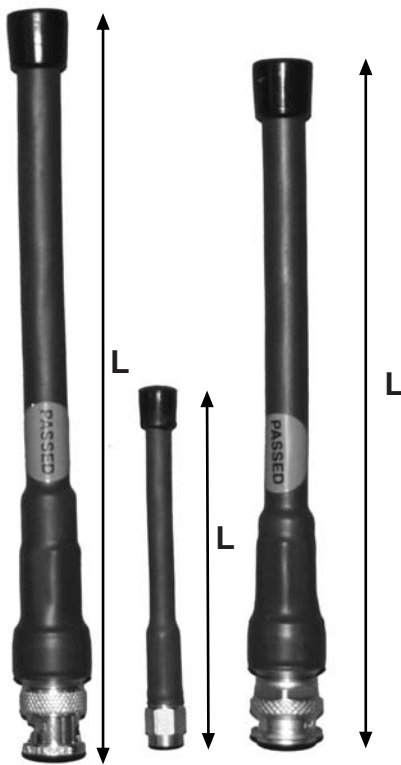




FREQUENCY INDEPENDENT DATA

Description:	omnidirectional coaxial dipole
Frequency:	380-410 MHz, 405-440 MHz, 440-475 MHz, 830-890 MHz, 890-960 MHz
Impedance:	50 ohm
Gain:	2 dBi
Polarization:	vertical
Connector:	N-female/TNC-female
VSWR:	< 1.5
Radome:	UV resistant ABS, RAL 7012, PU foam filling
Radiator:	copper
Attachment:	Ø 35-60 mm, aluminium alloy bracket, stainless steel V- bolts and self locking nuts
Lightning protection:	DC-short circuited
Temperature:	-40° - +80°C
IP:	67





FREQUENCY INDEPENDENT DATA

Description: quarter wave whip, sleeve feed for proper matching with small sized radios

Frequency: 370-390 MHz, 405-440 MHz, 440-475 MHz, 830-890 MHz, 890-960 MHz

Impedance: 50 ohm

Gain: 2 dBi

Polarization: vertical

Connector: BNC-male/SMA-male/TNC-male

VSWR: < 1.5

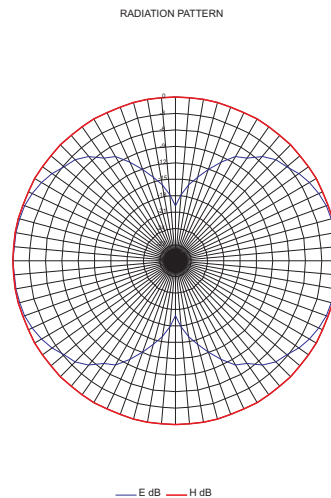
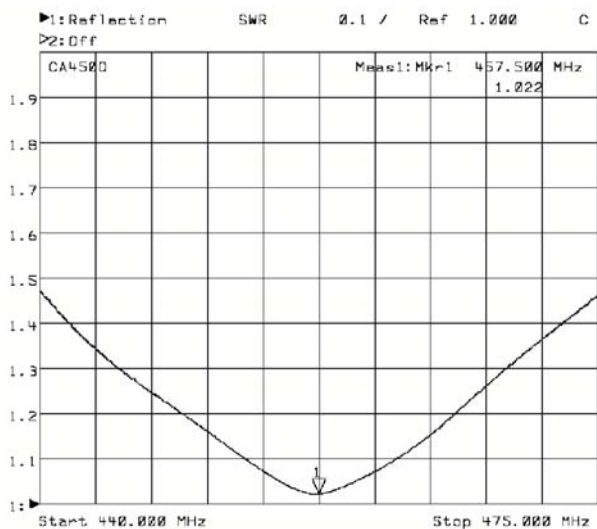
Radome: PE, heat shrink adhesive tubing

Radiator: copper

Attachment: directly to terminal

Temperature: -40° - +80°C

IP: 62

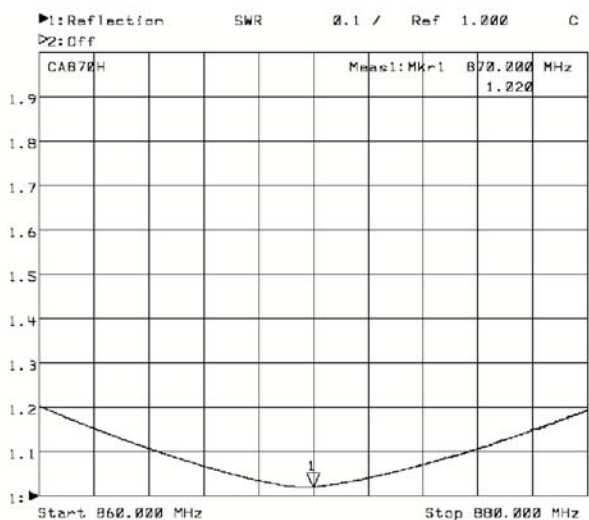


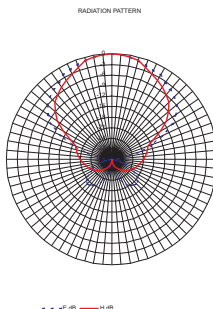
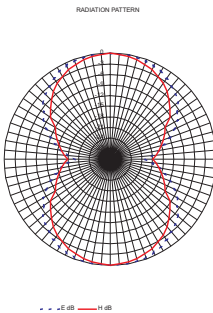
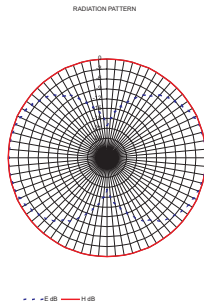


FREQUENCY INDEPENDENT DATA

Description: center fed half wave whip
 with collinear section
 Frequency: 860-880 MHz, 2400-2500 MHz
 Impedance: 50 ohm
 Gain: 4 dBi
 Polarization: vertical
 Connector: BNC-male/SMA-male/TNC-male
 VSWR: < 1.5
 Radome: PE,
 heat shrink adhesive tubing
 Radiator: copper
 Attachment: directly to terminal
 Temperature: -40° - +80°C
 IP: 62

CAH CENTER FED HALF WAVE WHIP





FREQUENCY INDEPENDENT DATA

Description: multimode monopole with optional corner reflector

Frequency: 2400-2500 MHz

Impedance: 50 ohm

Gain: 2 dBi, 6 dBi, 12 dBi

Polarization: vertical

Connector: N-female/TNC-female

VSWR: < 1.5

Radome: UV-resistant PP, black, PU foam filling

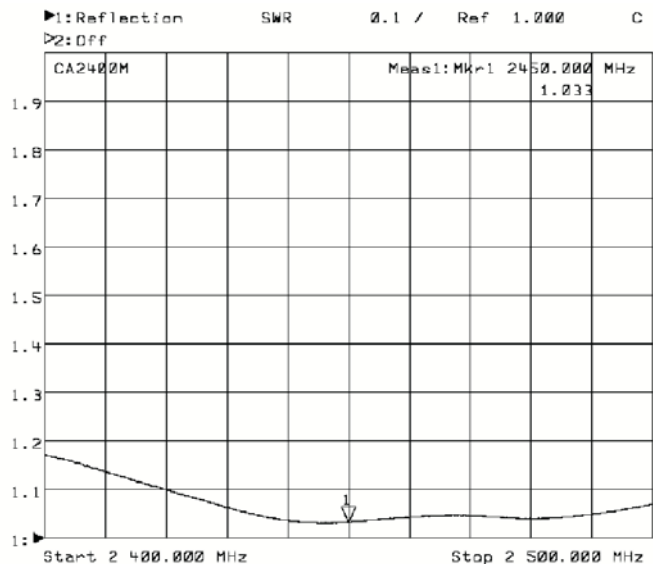
Radiator: copper

Attachment: Ø 35-60 mm, aluminium alloy V-bolts and self locking nuts stainless steel

Lightning protection: DC-grounded

Temperature: -40° - +80°C

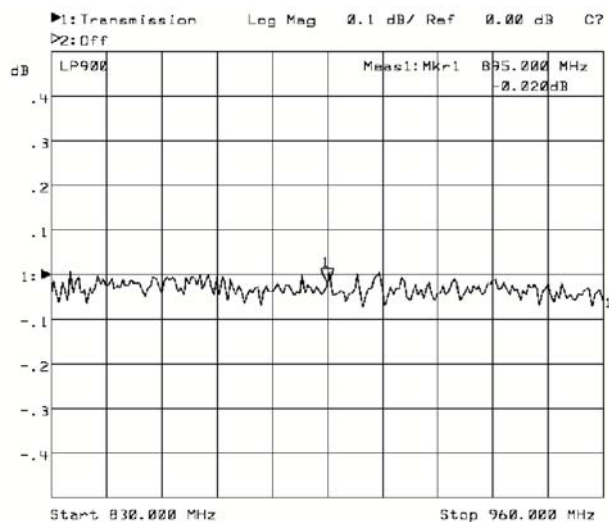
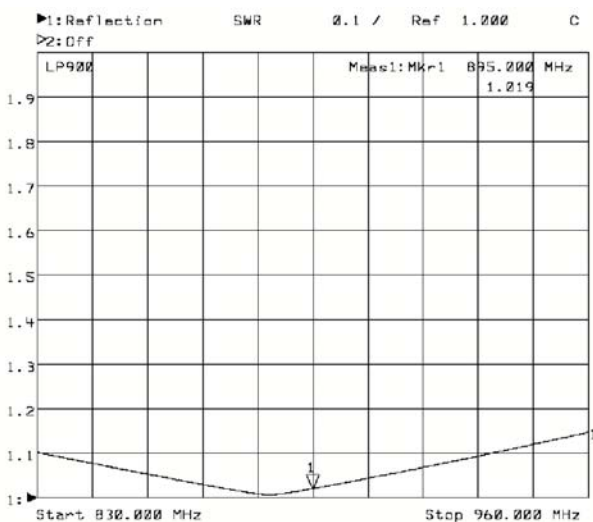
IP: 67





FREQUENCY INDEPENDENT DATA

Description: lightning protector, quarter wave shorting stub
 Frequency: 70-90 MHz, 144-176 MHz, 380-475 MHz, 830-960 MHz, 2300-2500 MHz
 Impedance: 50 ohm
 Connector: N-female - N-male, TNC-female - TNC-male
 VSWR: < 1.2
 Attachment: M8
 Temperature: -40° - +80°C
 IP: 67 (LP-N)
 62 (LP-TNC)

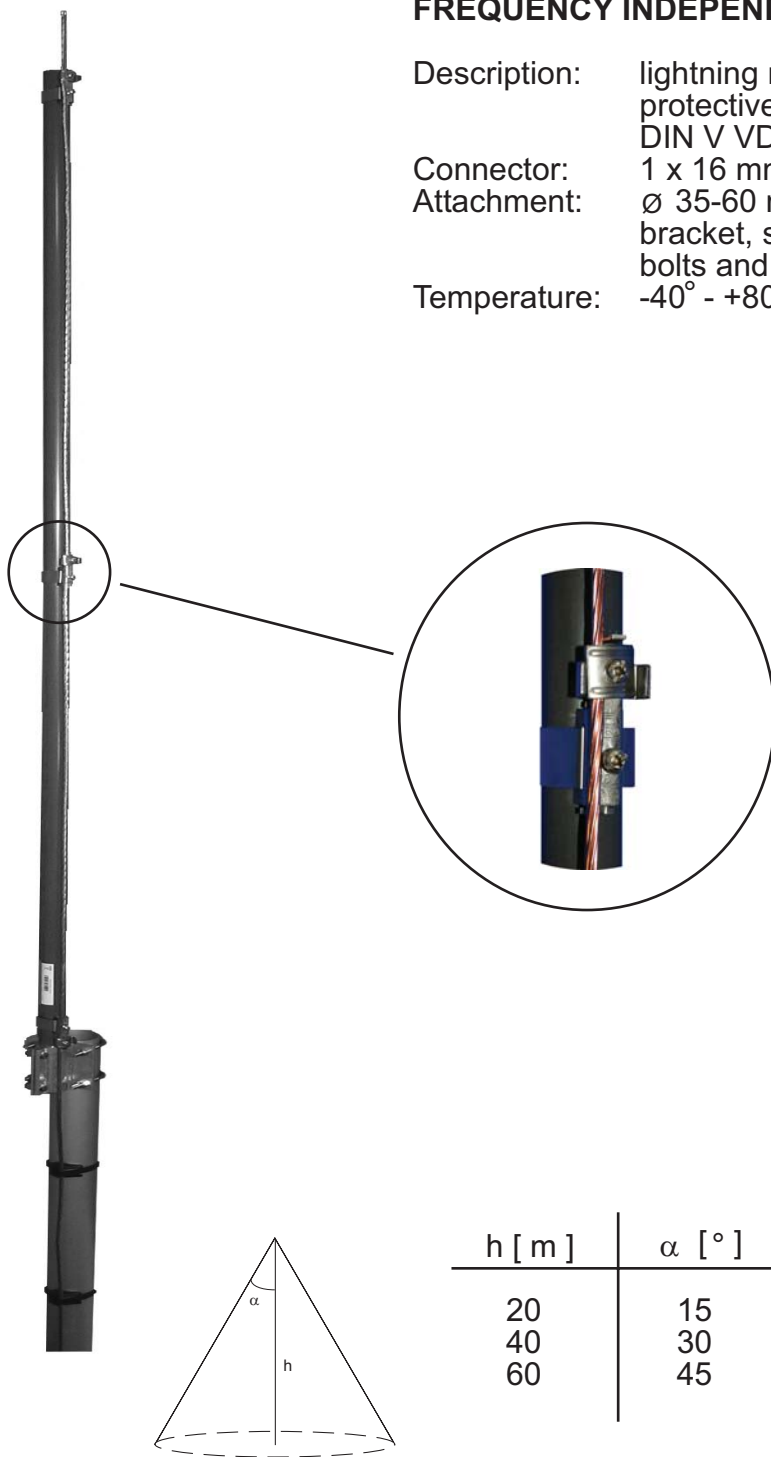


FREQUENCY INDEPENDENT DATA

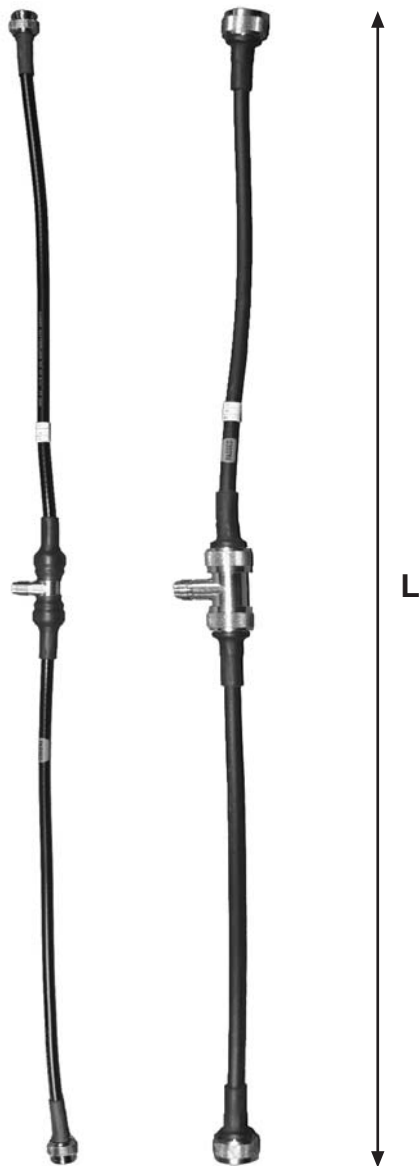
Description: lightning rod support,
protective cone according to
DIN V VDE 0185

Connector: 1 x 16 mm² - 2 x 25 mm²
Attachment: Ø 35-60 mm, aluminium alloy
bracket, stainless steel V-
bolts and self locking nuts

Temperature: -40° - +80°C

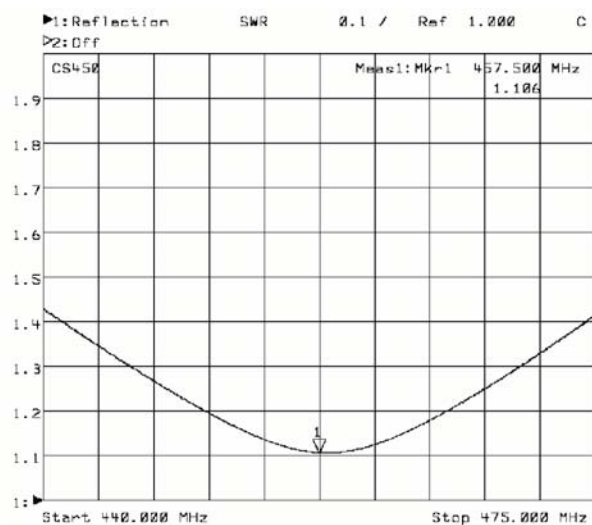


h [m]	α [°]
20	15
40	30
60	45



FREQUENCY INDEPENDENT DATA

Description: 1 to 2 power splitter
 Frequency: 135-145 MHz, 144-156 MHz,
 154-166 MHz, 163-177 MHz,
 365-395 MHz, 380-410 MHz,
 405-440 MHz, 440-475 MHz,
 850-890 MHz, 900-940 MHz
 Impedance: 50 ohm
 Connector: N-female - 2*N-male/
 TNC-female - 2*TNC-male
 VSWR: < 1.5
 Temperature: -40° - +80°C
 IP: 67, 62



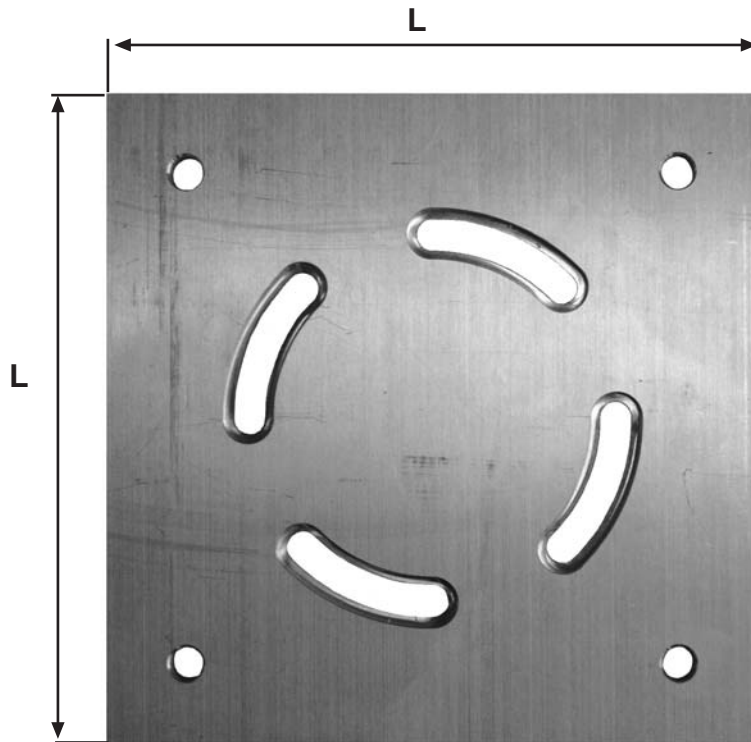
CS 1 TO 2 POWER SPLITTER



FREQUENCY INDEPENDENT DATA

Description:	repeater kit, 10 dB additional isolation between two antennas on the same vertical axis
Frequency:	380-450 MHz, 405-475 MHz
Isolation:	10 dB
Rods:	stainless steel
Attachment:	Ø 35-60 mm, aluminium alloy bracket, stainless steel V-bolts and self-locking nuts
Temperature:	-40° - +80°C

RK REPEATER KIT



TP mechanical tilting plate allows, depending on the mounting orientation, the mechanical down or up tilting up to 45 degrees. The tilting angle is continuously adjustable. It can be also used to adjust the antenna orientation on horizontal plane when the antenna is mounted on a horizontal pole.

The mechanical beam tilting plate is mounted between the original antenna mount and pole with 4 pcs of M8 bolts and self-locking nuts supplied with the tilting plate. The original V-bolts supplied with the antenna are used to mount the beam tilting plate to pole.

TP
TILTING PLATE