

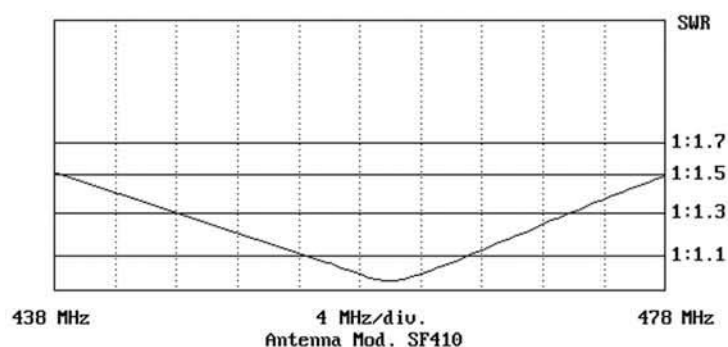
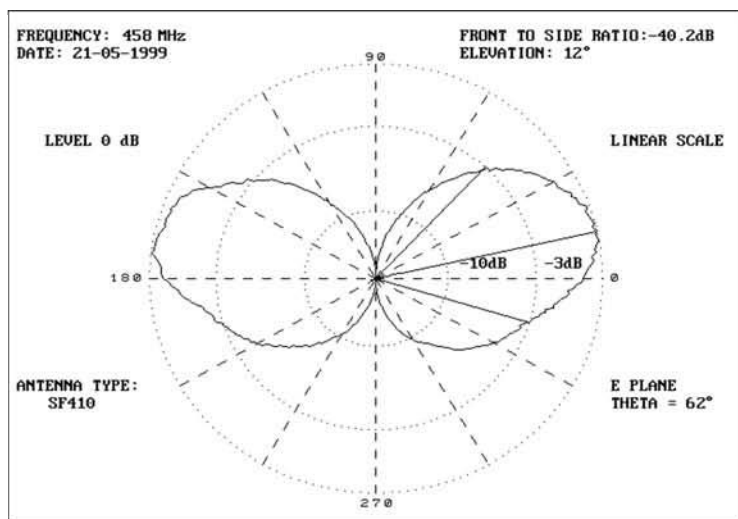
Gain antenna, anticorodal,
anchor clamp supplied.
Lightning protection.

* See frequency table

MAIN CHARACTERISTICS

Type	: 3/4
Frequency range	: 398 - 438 MHz A*
	: 422 - 462 MHz B
	: 438 - 478 MHz D
Input impedance	: 50 ohm
V.S.W.R.	: < 1:1.5
Beamwidth -3 dB	: 62°
Maximum rated RF power	: 200 watt cont. 400 watt peak
Polarization	: Vertical
Gain	: 2 dBd
Type of connection	: N female
Mounting hole	: From 30 to 40 mm master tube
Rod material	: Anodized aluminium
Wind resistance	: 120 Km/h
Lenght	: From 490 mm to 560 mm (frequency depending)
Net weight	: abt. 480 g

RADIATION PATTERN

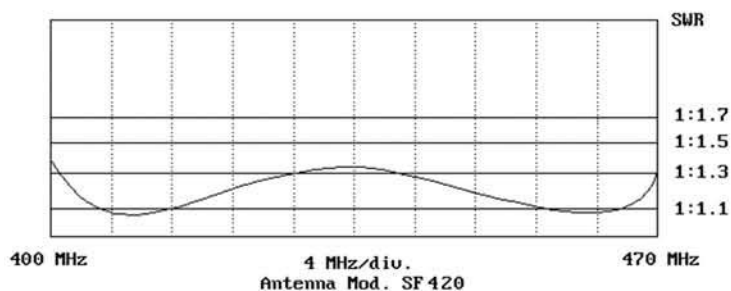
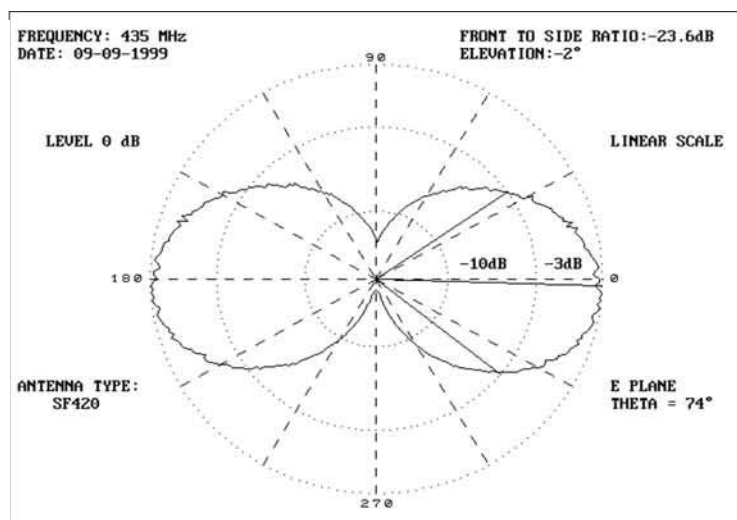


Fiberglass radomized antenna
With lightning protection
and condensing hole

MAIN CHARACTERISTICS

Type	: Coaxial dipole
Frequency range	: 400 - 470 MHz
Input impedance	: 50 ohm
V.S.W.R.	: < 1:1.5
Beamwidth -3 dB	: 74°
Maximum rated RF power	: 200 watt cont. 400 watt peak
Polarization	: Vertical
Gain	: 0 dBd
Type of connection	: N female
Mounting hole	: From 30 to 62 mm master tube
Anchor treatment	: Alodine 1200
Wind resistance	: 120 km/h
Lenght	: 635 mm
Net weight	: abt. 1500 g
Working temperature	: From -40° to +75°

RADIATION PATTERN

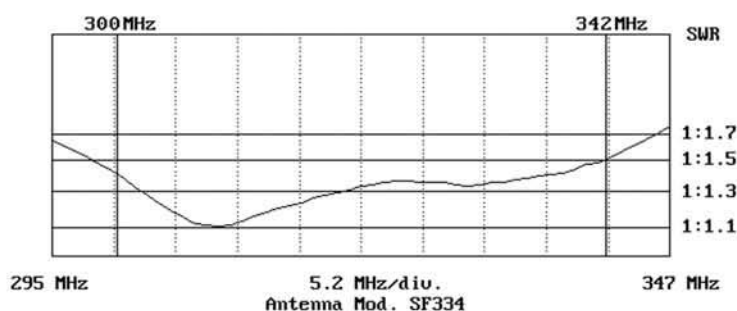
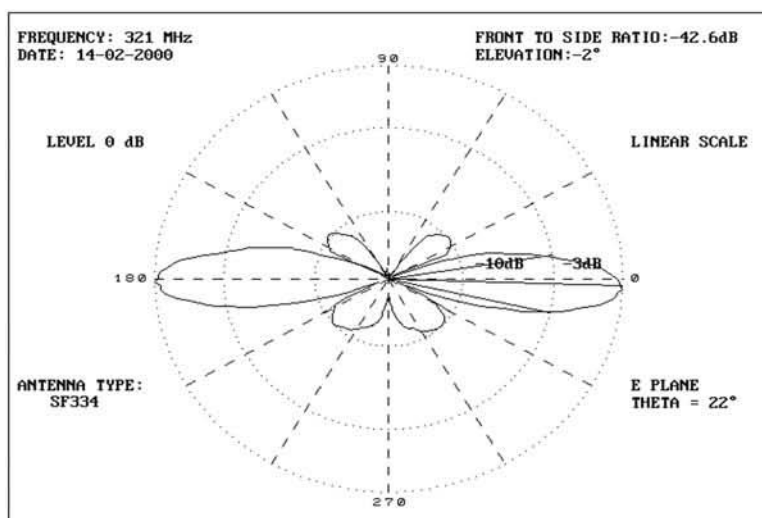


Fiberglass radomized antenna
With DC grounded lightning protection
and condensing hole

MAIN CHARACTERISTICS

Type	: 3 el. Colinear
Frequency range	: 300 - 342 MHz
Input impedance	: 50 ohm
V.S.W.R.	: < 1:1.6
Beamwidth -3 dB	: 15°
Maximum rated RF power	: 200 watt cont. 400 watt peak
Lightning protection	: DC Grounded
Polarization	: Vertical
Gain	: 4 dBd
Type of connection	: N female
Mounting hole	: From 30 to 62 mm master tube
Anchor treatment	: Alodine 1200
Wind resistance	: 180 Km/h
Lenght	: 2200 mm
Net weight	: abt. 2900 g
Working temperature	: From -55° to +55°

RADIATION PATTERN

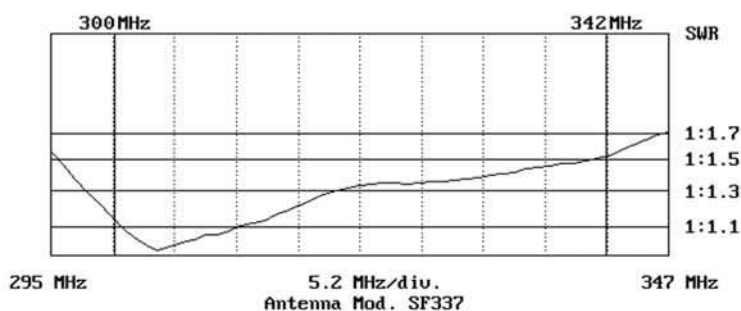
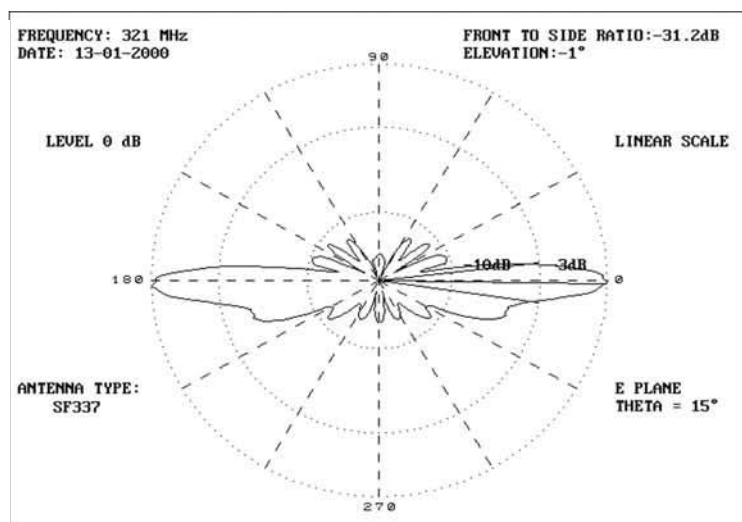


Fiberglass radomized antenna
With DC grounded lightning protection
and condensing hole

MAIN CHARACTERISTICS

Type	: 6 el. Colinear
Frequency range	: 300 - 342 MHz
Input impedance	: 50 ohm
V.S.W.R.	: < 1:1.6
Beamwidth -3 dB	: 15°
Maximum rated RF power	: 200 watt cont. 400 watt peak
Lightning protection	: DC Grounded
Polarization	: Vertical
Gain	: 7 dBd
Type of connection	: N female
Mounting hole	: From 30 to 62 mm master tube
Anchor treatment	: Alodine 1200
Wind resistance	: 180 Km/h
Lenght	: 4200 mm
Net weight	: abt. 3500 g
Working temperature	: From -55° to +55°

RADIATION PATTERN



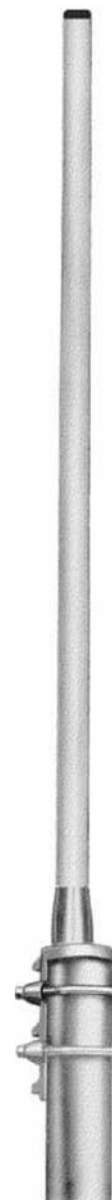
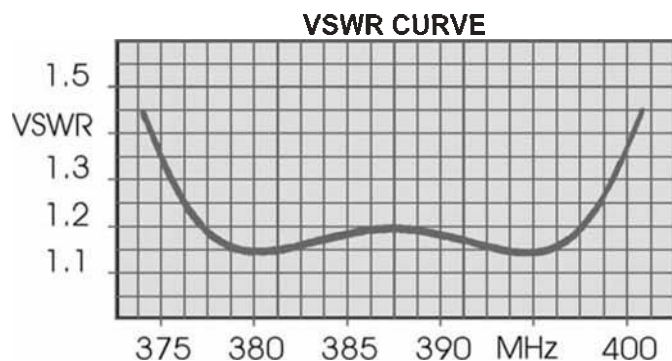
COLINEAR 3 dBd OMNIDIRECTIONAL ANTENNA 375 ... 400 MHz

R-F 332 NL

Fiberglass, vibration proof, base station antenna.
With DC grounded lightning protection
and condensing hole

MAIN CHARACTERISTICS

Frequency range	: 375 - 400 MHz
Input impedance	: 50 ohm
V.S.W.R.	: < 1:1.5
Beamwidth -3 dB	: 30° E plane
Maximum rated RF power	: 100 watt
Polarization	: Vertical
Gain	: 3 dBd
Type of connection	: N female
Mounting hole	: From 33 to 60 mm master tube
Elements material	: Brass passivated
Wind resistance	: 160 km/h
Lenght	: 1580 mm
Net weight	: abt. 1600 g
Working temperature	: From -35° to +80°

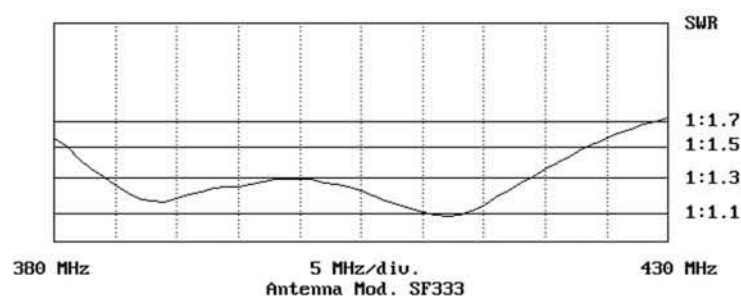
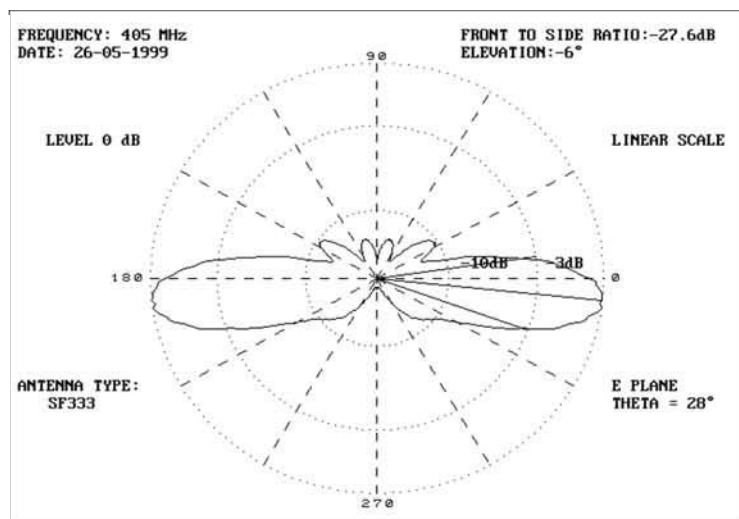


Fiberglass radomized antenna
With DC grounded lightning protection
and condensing hole

MAIN CHARACTERISTICS

Type	: 3 el. Colinear
Frequency range	: 380 - 430 MHz
Input impedance	: 50 ohm
V.S.W.R.	: < 1:1.8
Beamwidth -3 dB	: 28°
Maximum rated RF power	: 200 watt cont. 400 watt peak
Lightning protection	: DC Grounded
Polarization	: Vertical
Gain	: 3.5 dBd
Type of connection	: N female
Mounting hole	: From 30 to 62 mm master tube
Anchor treatment	: Alodine 1200
Wind resistance	: 180 km/h
Lenght	: 1700 mm
Net weight	: abt. 2100 g
Working temperature	: From -40° to +55°

RADIATION PATTERN



COLLINEAR 5 dBd OMNIDIRECTIONAL ANTENNA 380 ... 400 MHz

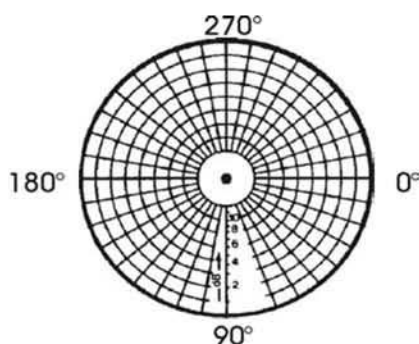
R-F 530 NL

Fiberglass radomized antenna
With DC grounded lightning protection
and condensing hole

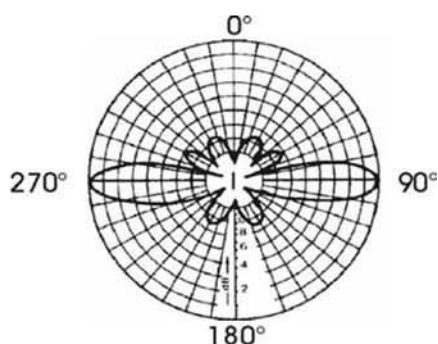
MAIN CHARACTERISTICS

Frequency range	: 380 - 400 MHz
Input impedance	: 50 ohm
V.S.W.R.	: < 1:1.5
Beamwidth -3 dB	: 18°
Maximum rated RF power	: 100 watt
Polarization	: Vertical
Gain	: 7 dBi
Type of connection	: N female
Mounting hole	: From 33 to 60 mm master tube
Elements material	: Brass passivated
Wind resistance	: 160 km/h
Lenght	: 2360 mm
Net weight	: abt. 2200 g
Working temperature	: From -35° to +80°

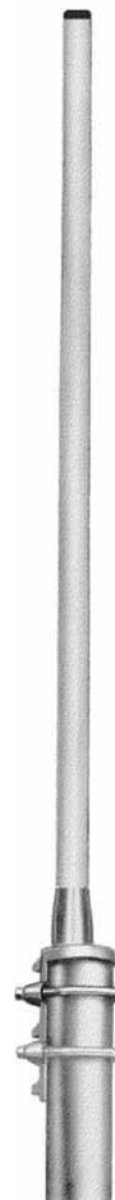
RADIATION PATTERNS



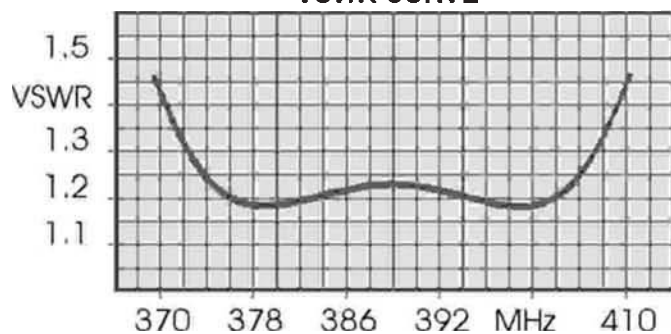
H - PLANE



E - PLANE



VSWR CURVE

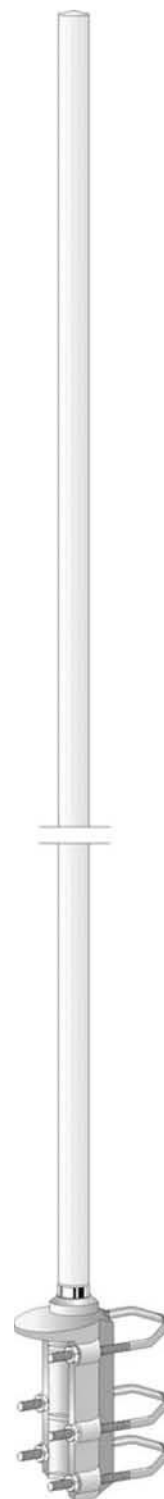
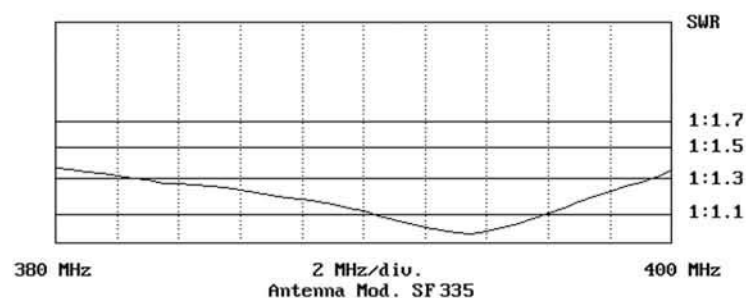
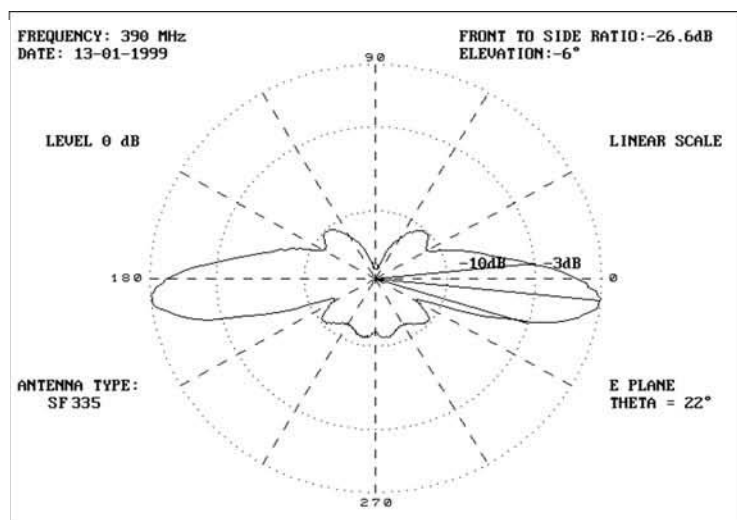


Fiberglass radomized antenna
With DC grounded lightning protection
and condensing hole

MAIN CHARACTERISTICS

Type	: 4 el. Colinear
Frequency range	: 380 - 400 MHz
Input impedance	: 50 ohm
V.S.W.R.	: < 1:1.5
Beamwidth -3 dB	: 22°
Maximum rated RF power	: 200 watt cont. 400 watt peak
Lightning protection	: DC Grounded
Polarization	: Vertical
Gain	: 5 dBd
Type of connection	: N female
Mounting hole	: From 30 to 62 mm master tube
Anchor treatment	: Alodine 1200
Wind resistance	: 810 km/h
Lenght	: 2450 mm
Net weight	: abt. 2500 g
Working temperature	: From -40° to +80°

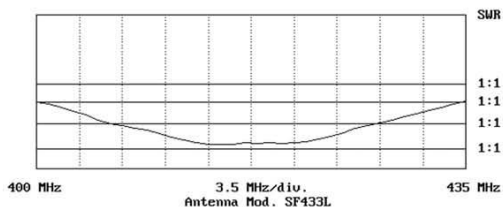
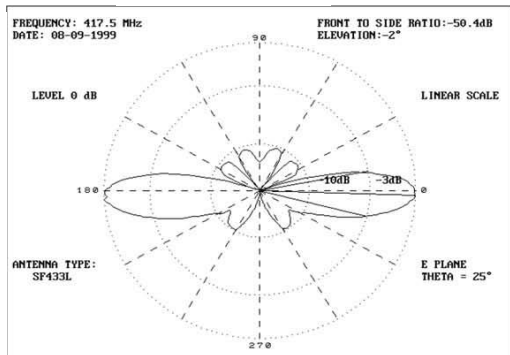
RADIATION PATTERN



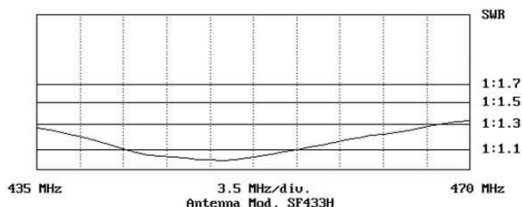
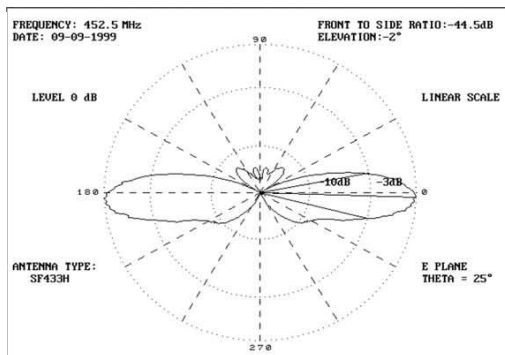
MAIN CHARACTERISTICS

Type	: 3 el. Colinear
Frequency range	: 400 - 435 MHz (SF 433L)
Frequency range	: 435 - 470 MHz (SF 433H)
Input impedance	: 50 ohm
V.S.W.R.	: < 1:1.5
Beamwidth -3 dB	: 25°
Maximum rated RF power	: 200 watt cont. 400 watt peak
Polarization	: Vertical
Gain	: 3.5 dBd
Type of connection	: N female
Mounting hole	: From 30 to 62 mm master tube
Anchor treatment	: Alodine 1200
Wind resistance	: 180 km/h
Lenght	: 1630 mm
Net weight	: abt. 2300 g
Working temperature	: From -40° to +55°

RADIATION PATTERN



RADIATION PATTERNS

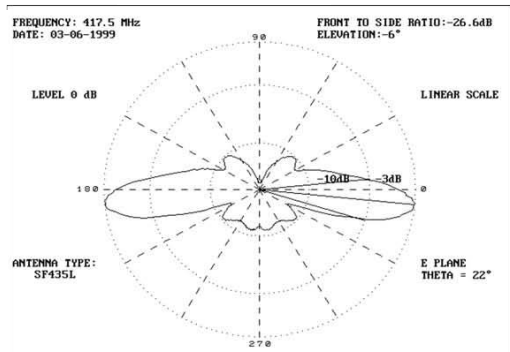


Fiberglass radomized antenna
With DC grounded lightning protection
and condensing hole

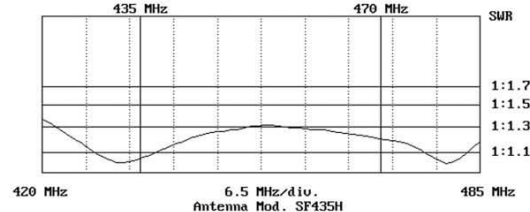
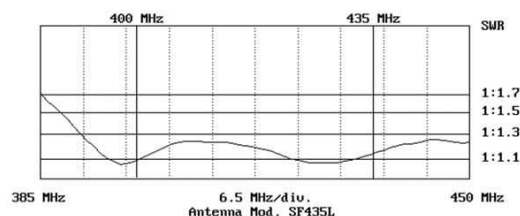
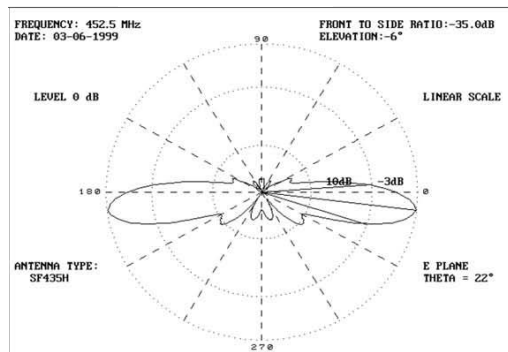
MAIN CHARACTERISTICS

Type	: 4 el. Colinear
Frequency range	: 400 - 435 MHz (SF 435L)
Frequency range	: 435 - 470 MHz (SF 435H)
Input impedance	: 50 ohm
V.S.W.R.	: < 1:1.3
Beamwidth -3 dB	: 22°
Maximum rated RF power	: 200 watt cont. 400 watt peak
Polarization	: Vertical
Gain	: 5 dBd
Type of connection	: N female
Mounting hole	: From 30 to 62 mm master tube
Anchor treatment	: Alodine 1200
Wind resistance	: 180 km/h
Lenght	: 1980 mm
Net weight	: abt. 2600 g
Working temperature	: From -40° to +80°

RADIATION PATTERN



RADIATION PATTERN



HALF WAVE DIPOLE VERTICAL ANTENNA 400 ... 435 MHz

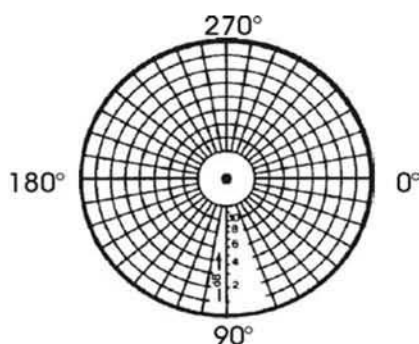
R-F 330 NQ

Fiberglass radomized antenna
With DC grounded lightning protection
and condensing hole

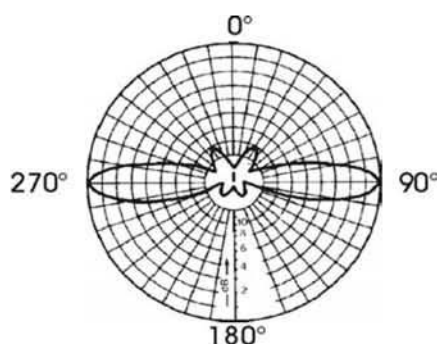
MAIN CHARACTERISTICS

Frequency range	: 400 - 435 MHz
Input impedance	: 50 ohm
V.S.W.R.	: < 1.5:1
Beamwidth -3 dB	: 30°
Maximum rated RF power	: 100 watt
Polarization	: Vertical
Gain	: 3 dBd
Type of connection	: N female
Mounting hole	: From 33 to 60 mm master tube
Elements material	: Brass passivated
Wind resistance	: 160 km/h
Lenght	: 1410 mm
Net weight	: abt. 1300 g
Working temperature	: From -35° to +80°

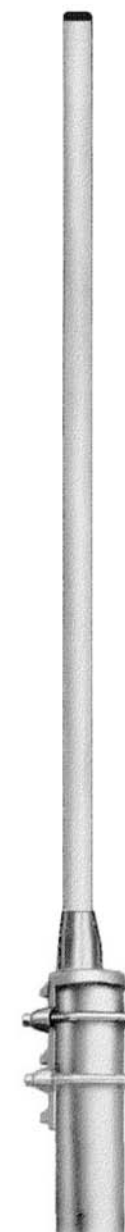
RADIATION PATTERNS



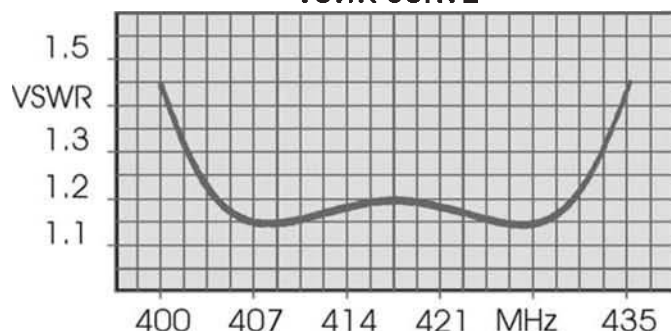
H - PLANE



E - PLANE



VSWR CURVE



HALF WAVE DIPOLE VERTICAL ANTENNA 400 ... 435 MHz

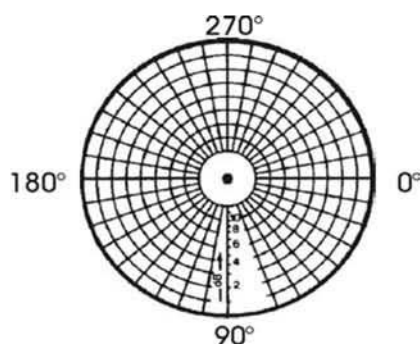
R-F 530 NQ

Fiberglass radomized antenna
With DC grounded lightning protection
and condensing hole

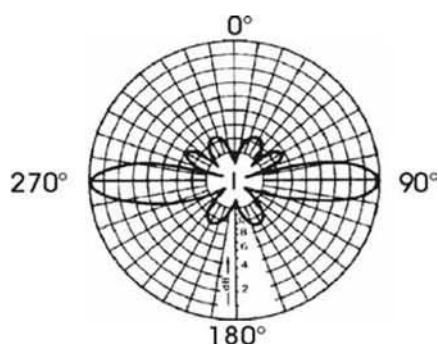
MAIN CHARACTERISTICS

Frequency range	: 400 - 435 MHz
Input impedance	: 50 ohm
V.S.W.R.	: < 1.5:1
Beamwidth -3 dB	: 18°
Maximum rated RF power	: 100 watt
Polarization	: Vertical
Gain	: 5 dBd
Type of connection	: N female
Mounting hole	: From 33 to 60 mm master tube
Elements material	: Brass passivated
Wind resistance	: 160 km/h
Length	: 2210 mm
Net weight	: abt. 1900 g
Working temperature	: From -35° to +80°

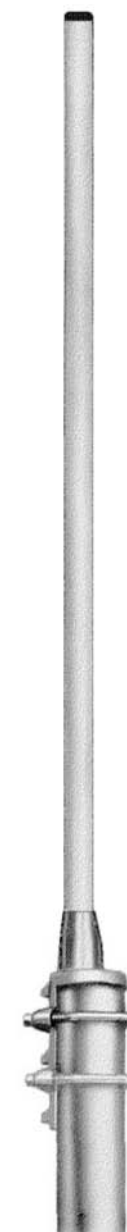
RADIATION PATTERNS



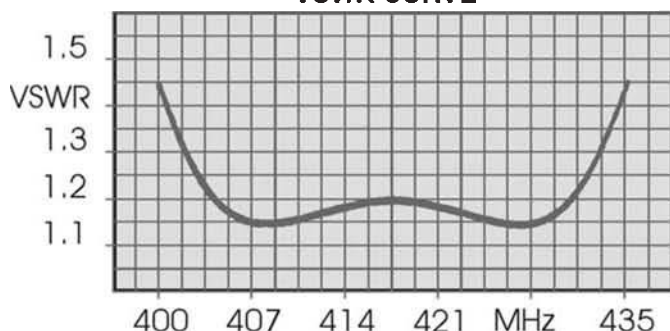
H - PLANE



E - PLANE



VSWR CURVE

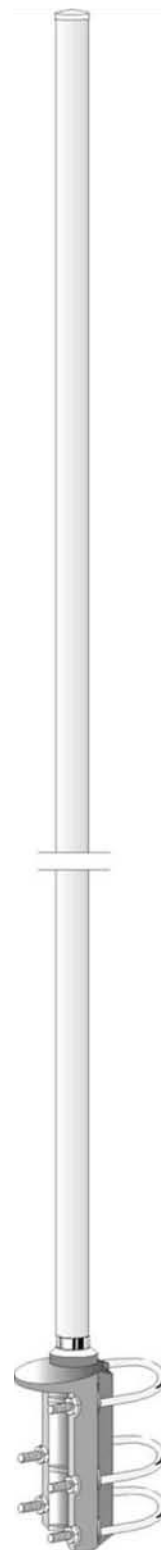
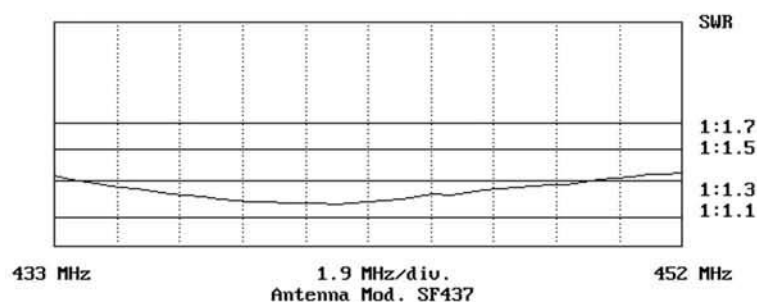
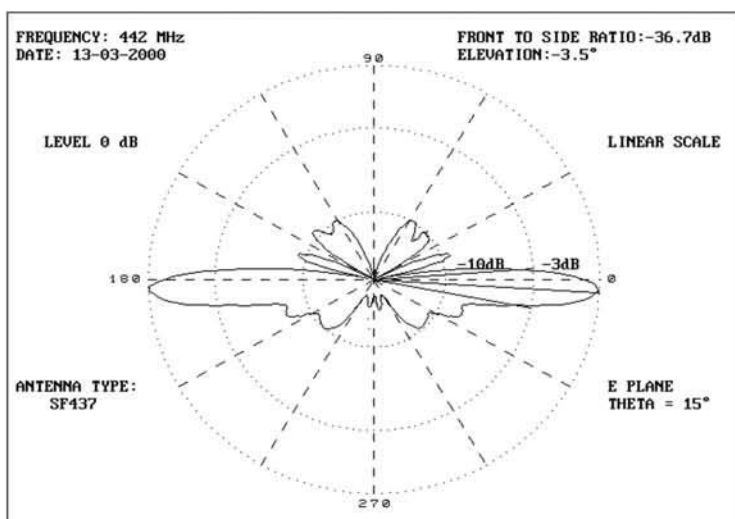


Fiberglass radomized antenna
With DC grounded lightning protection
and condensing hole

MAIN CHARACTERISTICS

Type	: 6 el. Colinear
Frequency range	: 433 - 452 MHz
Input impedance	: 50 ohm
V.S.W.R.	: < 1:1.5
Beamwidth -3 dB	: 15°
Maximum rated RF power	: 200 watt cont. 400 watt peak
Polarization	: Vertical
Gain	: 7 dBd
Type of connection	: N female
Mounting hole	: From 20 to 60 mm master tube
Anchor treatment	: Alodine 1200
Wind resistance	: 180 Km/h
Lenght	: 2800 mm
Net weight	: abt. 3200 g
Working temperature	: From -55° to +55°

RADIATION PATTERN



HALF WAVE DIPOLE VERTICAL ANTENNA 435 ... 470 MHz

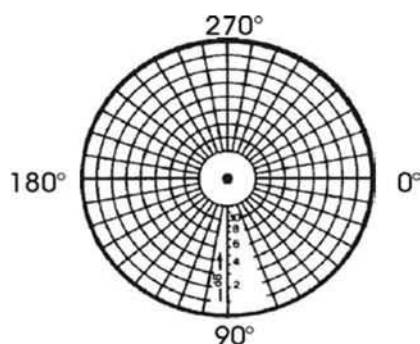
R-F 330 NZ

Fiberglass radomized antenna
With DC grounded lightning protection
and condensing hole

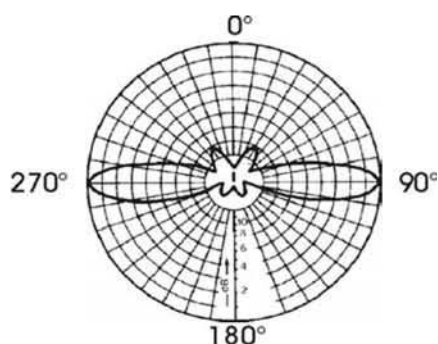
MAIN CHARACTERISTICS

Frequency range	: 435 - 470 MHz
Input impedance	: 50 ohm
V.S.W.R.	: < 1.5:1
Beamwidth -3 dB	: 30°
Maximum rated RF power	: 100 watt
Polarization	: Vertical
Gain	: 3 dBd
Type of connection	: N female
Mounting hole	: From 30 to 60 mm master tube
Elements material	: Brass passivated
Wind resistance	: 160 km/h
Length	: 1270 mm
Net weight	: abt. 1200 g
Working temperature	: From -35° to +80°

RADIATION PATTERNS

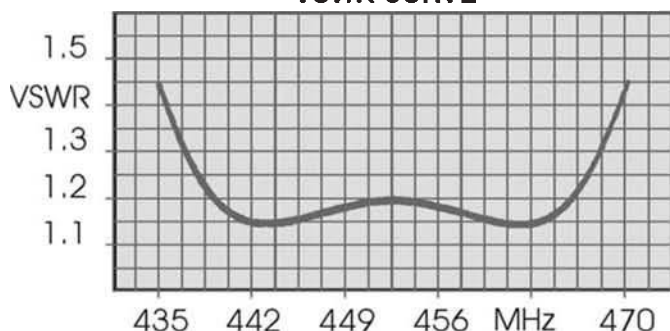


H - PLANE



E - PLANE

VSWR CURVE

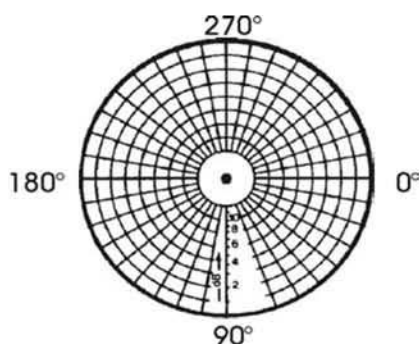


Fiberglass radomized antenna
With DC grounded lightning protection
and condensing hole

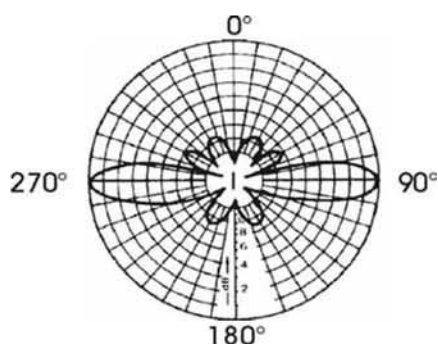
MAIN CHARACTERISTICS

Frequency range	: 435 - 470 MHz
Input impedance	: 50 ohm
V.S.W.R.	: < 1.5:1
Beamwidth -3 dB	: 18°
Maximum rated RF power	: 100 watt
Polarization	: Vertical
Gain	: 5 dBd
Type of connection	: N female
Mounting hole	: From 30 to 60 mm master tube
Elements material	: Brass passivated
Wind resistance	: 160 km/h
Lenght	: 1980 mm
Net weight	: abt. 1800 g
Working temperature	: From -35° to +80°

RADIATION PATTERNS

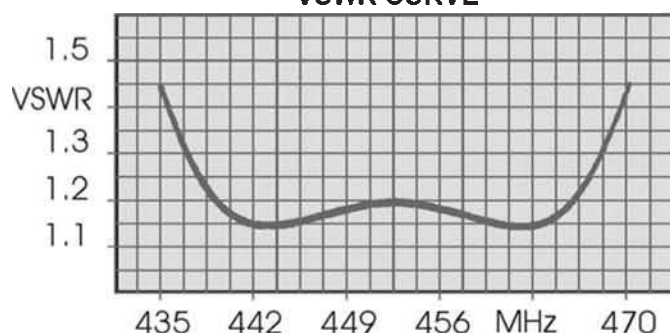


H - PLANE



E - PLANE

VSWR CURVE



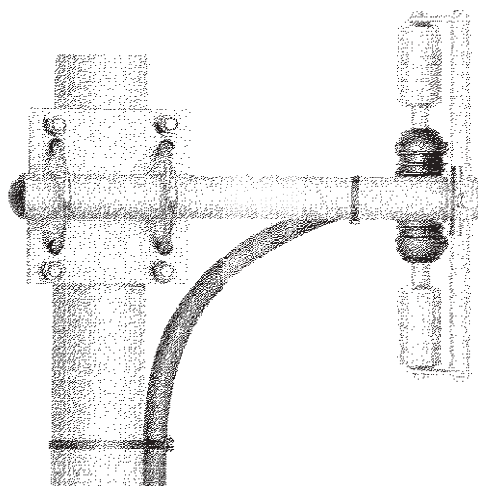
WIDEBAND HALF WAVE DIPOLE 350 ... 430 MHz

R-Y 011 NL

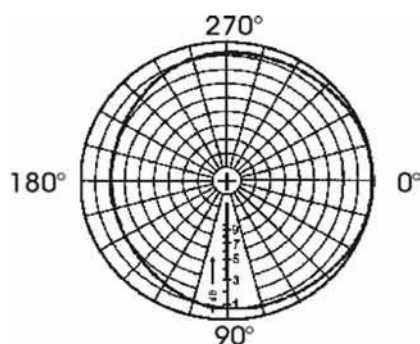
Light weight wideband half wave dipole.
All parts of the antenna are grounded.
With DC grounded lightning protection

MAIN CHARACTERISTICS

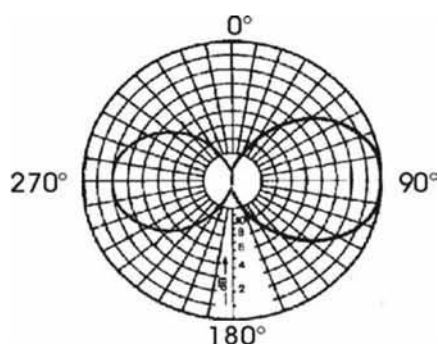
Frequency range	: 350 - 430 MHz
Input impedance	: 50 ohm
V.S.W.R.	: < 1:1.4
Beamwidth -3 dB	: 74°
Maximum rated RF power	: 150 watt
Polarization	: Vertical or Horizontal
Gain	: 3 dBd
Type of connection	: N female
Mounting hole	: From 33 to 60 mm master tube
Boom material	: Aluminium alloy DIN 3.2315
Elements material	: Aluminium alloy DIN 3.2306
Wind resistance	: 160 km/h
Dimensions	: 320 x 395 mm
Net weight	: abt. 1900 g
Working temperature	: From -35° to +80°



RADIATION PATTERNS

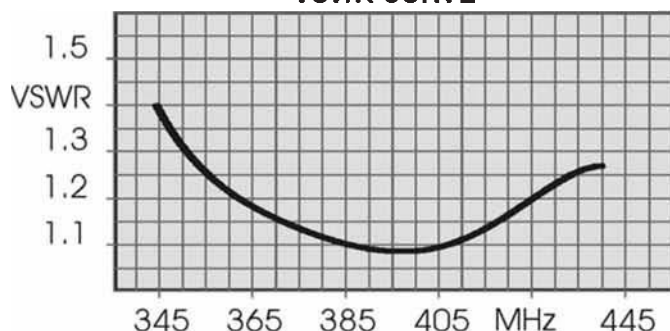


H - PLANE



E - PLANE

VSWR CURVE



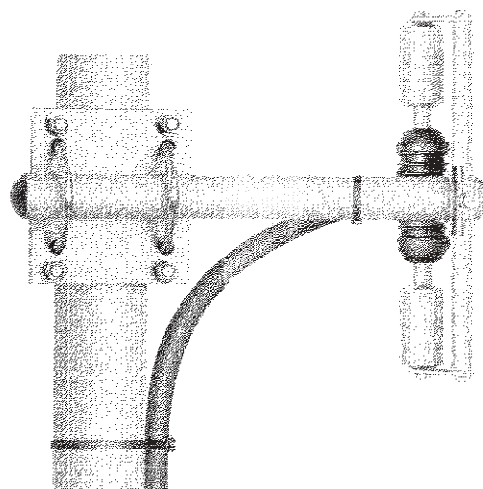
WIDEBAND HALF WAVE DIPOLE 400 ... 470 MHz

R-Y 010 NQ

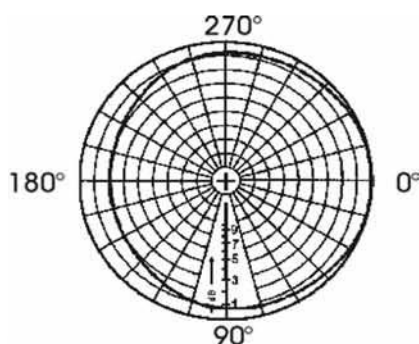
Light weight wideband half wave dipole.
All parts of the antenna are grounded.
With DC grounded lightning protection

MAIN CHARACTERISTICS

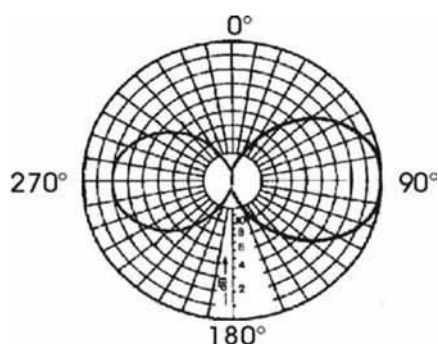
Frequency range	: 400 - 470 MHz
Input impedance	: 50 ohm
V.S.W.R.	: < 1:1.5
Beamwidth -3 dB	: 74°
Maximum rated RF power	: 150 watt
Polarization	: Vertical or Horizontal
Gain	: 3 dBd
Type of connection	: N female
Mounting hole	: From 30 to 60 mm master tube
Boom material	: Aluminium alloy DIN 3.2315
Elements material	: Aluminium alloy DIN 3.2306
Wind resistance	: 160 km/h
Dimensions	: 280 x 315 mm
Net weight	: abt. 1800 g
Working temperature	: From -35° to 180°



RADIATION PATTERNS

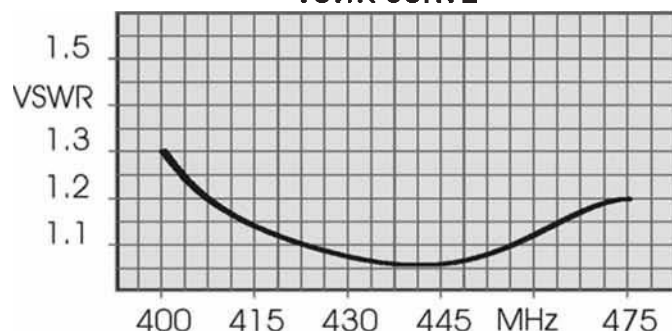


H - PLANE



E - PLANE

VSWR CURVE



FOUR STACKED WIDEBAND FOLDED DIPOLES 400 ... 470 MHz

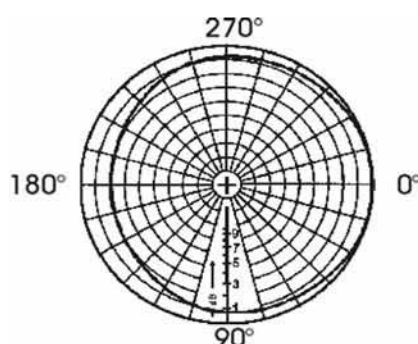
R-F 610 NQ

Four wideband dipoles set-up in colinear configuration
in order to obtain an omnidirectional horizontal radiation pattern.
With DC grounded lightning protection

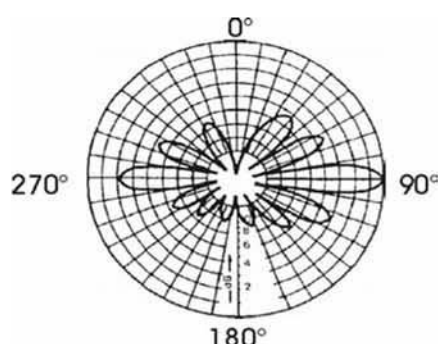
MAIN CHARACTERISTICS

Frequency range	: 400 - 470 MHz
Input impedance	: 50 ohm
V.S.W.R.	: < 1.5:1
Beamwidth -3 dB	: 14°
Front to Back ratio	: 2 dB
Maximum rated RF power	: 600 watt
Polarization	: Vertical
Gain	: 8 dBd
Type of connection	: N female
Mounting hole	: From 30 to 60 mm master tube
Boom material	: Aluminium alloy DIN 3.2315
Elements material	: Aluminium alloy DIN 3.2306
Wind resistance	: 160 km/h
Lenght	: 2410 mm
Net weight	: abt. 7500 g
Working temperature	: From -35° to +80°

RADIATION PATTERNS

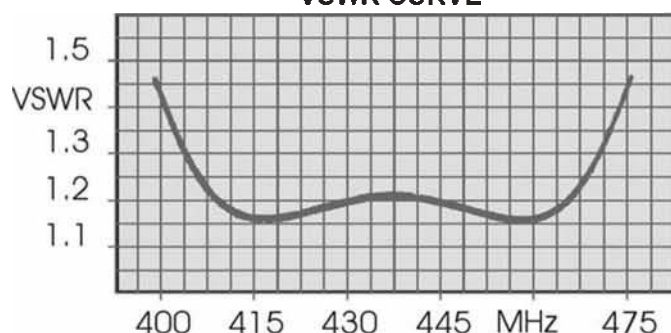


H - PLANE



E - PLANE

VSWR CURVE

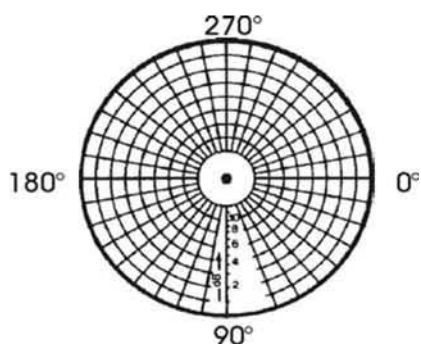


Fiberglass radomized antenna
With DC grounded lightning protection
and condensing hole

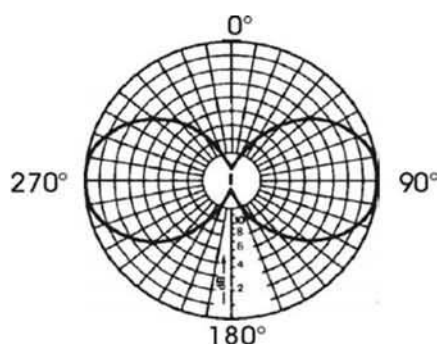
MAIN CHARACTERISTICS

Frequency range	: 435 - 470 MHz
Input impedance	: 50 ohm
V.S.W.R.	: < 1.5:1
Beamwidth -3 dB	: 78°
Maximum rated RF power	: 100 watt
Polarization	: Vertical
Gain	: 0 dBd
Type of connection	: N female
Mounting hole	: From 30 to 60 mm master tube
Elements material	: Brass passivated
Wind resistance	: 160 km/h
Length	: 700 mm
Net weight	: abt. 1000 g
Working temperature	: From -35° to +80°

RADIATION PATTERNS



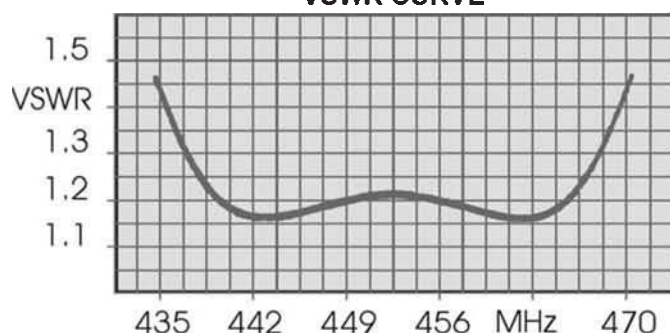
H - PLANE



E - PLANE



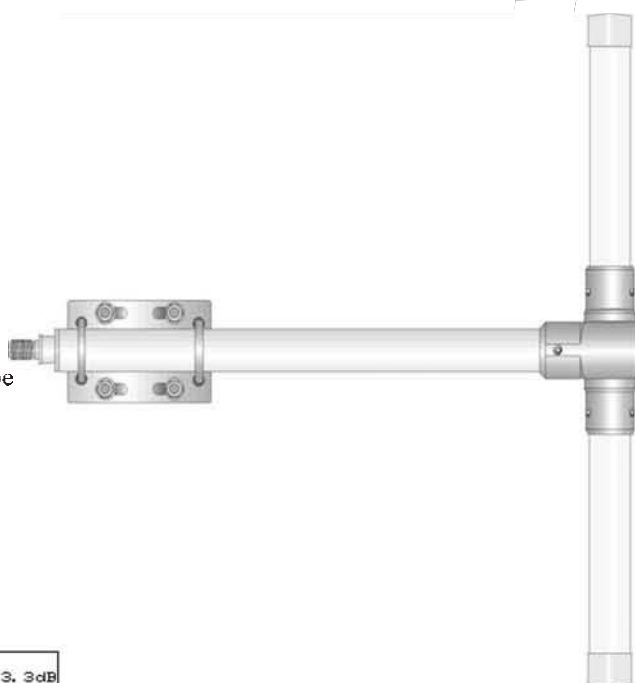
VSWR CURVE



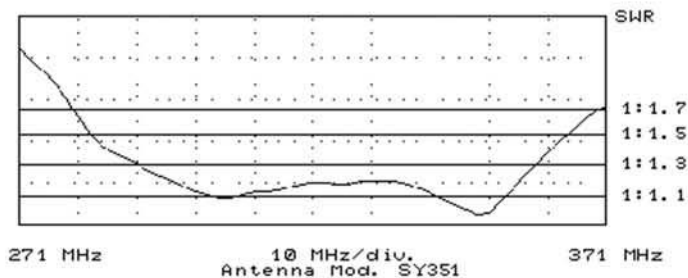
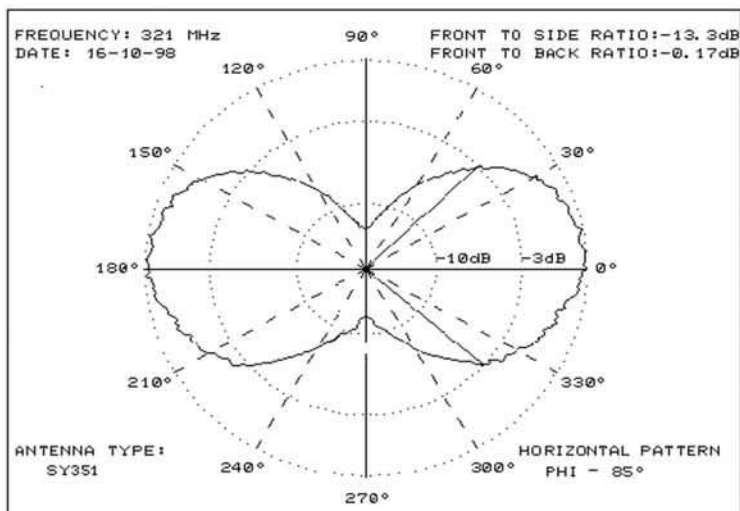
Dipole antenna, anodized aluminium structure,
waterproof fiberglass covered radiator.
Lightning protection.

MAIN CHARACTERISTICS

Type	: Dipole 1/2
Frequency range	: 300 - 342 MHz
Input impedance	: 50 ohm
V.S.W.R.	: < 1:1.5
Beamwidth -3 dB	: 85°
Maximum rated RF power	: 200 watt
Polarization	: Vertical or Horizontal
Gain	: 0 dBd
Type of connection	: N female
Mounting hole	: From 30 to 62 mm master tube
Boom material	: Anodized Aluminium
Elements material	: Anodized Aluminium
Wind resistance	: 120 Km/h.
Dimensions	: 357 mm x 550 mm
Net weight	: 2000 g



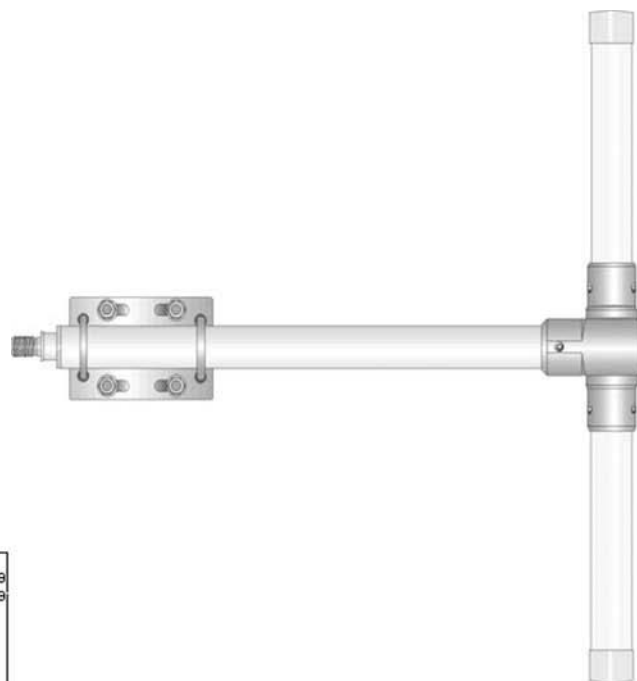
RADIATION PATTERN



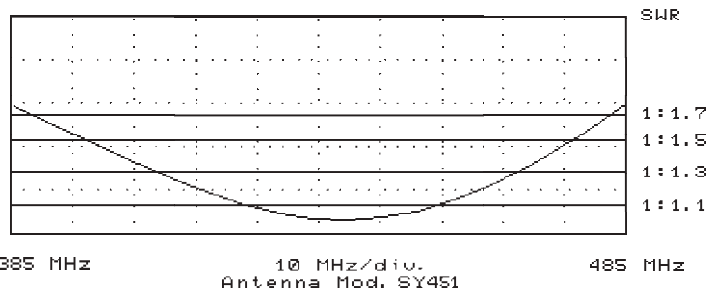
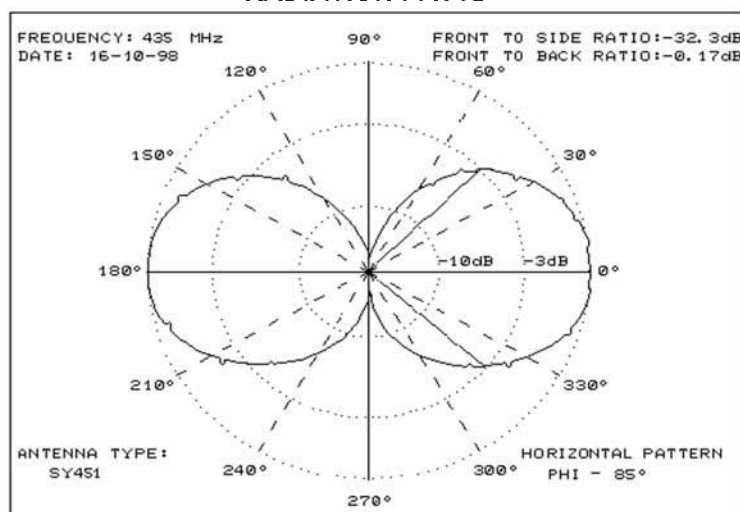
Dipole antenna, anodized aluminium structure,
waterproof fiberglass covered radiator.
Lightning protection.

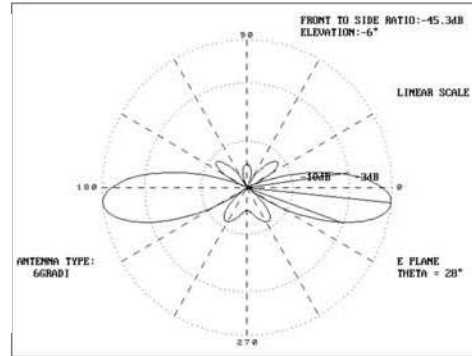
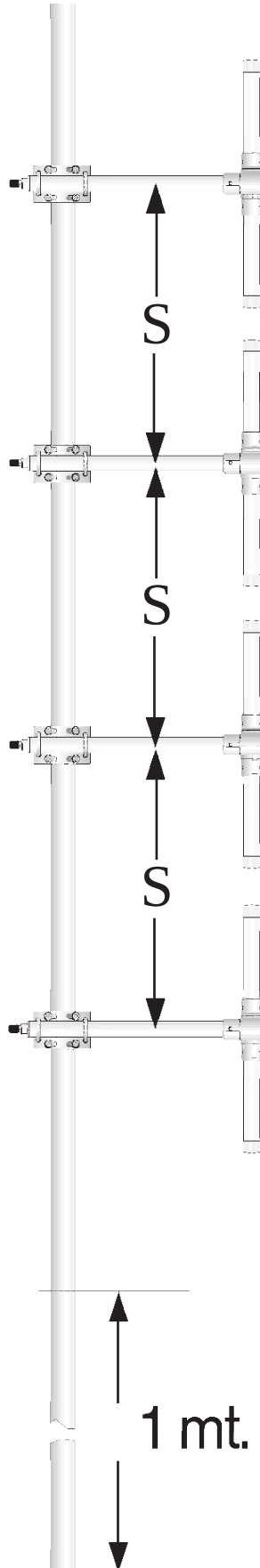
MAIN CHARACTERISTICS

Type	: Dipole 1/2
Frequency range	: 400 - 470 MHz
Input impedance	: 50 ohm
V.S.W.R.	: < 1:1.5
Beamwidth -3 dB	: 85°
Maximum rated RF power	: 200 watt
Polarization	: Vertical or Horizontal
Gain	: 0 dBd
Type of connection	: N female
Mounting hole	: From 30 to 62 mm master tube
Boom material	: Anodized Aluminium
Elements material	: Anodized Aluminium
Wind resistance	: 120 Km/h.
Dimensions	: 357 mm x 550 mm
Net weight	: 2200 g

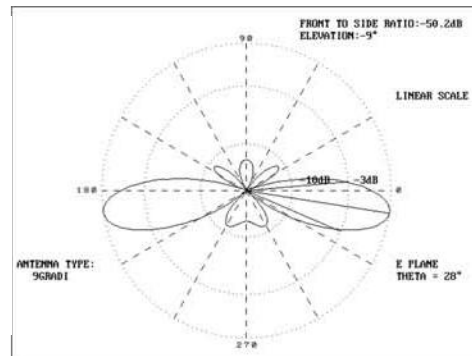


RADIATION PATTERN

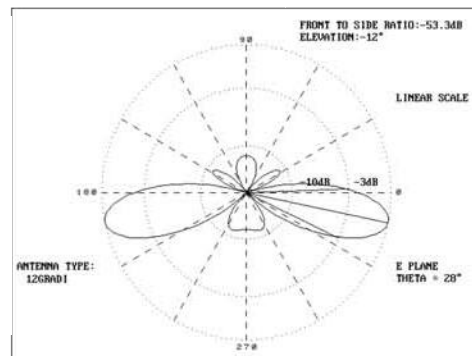




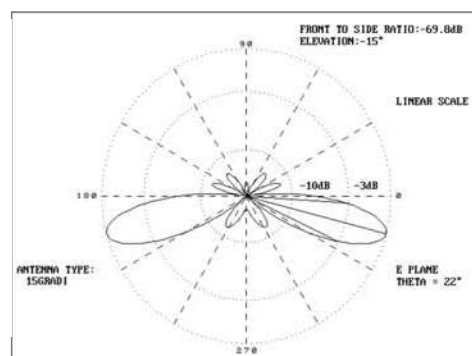
TILT 6°



TILT 9°



TILT 12°



TILT 15°