

HALF WAVE DIPOLE VERTICAL ANTENNA 165 ... 174 MHz

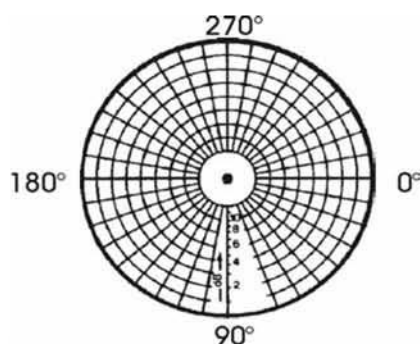
R-F 133 NH

Fiberglass radomized antenna
With DC grounded lightning protection
and condensing hole

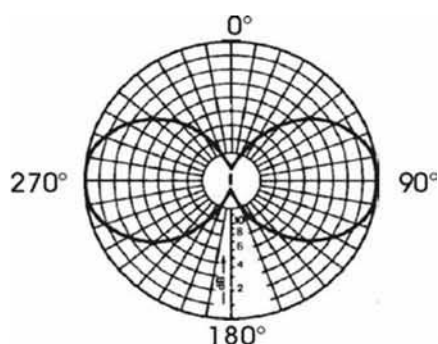
MAIN CHARACTERISTICS

Frequency range	: 165 - 174 MHz
Input impedance	: 50 ohm
V.S.W.R.	: < 1:1.5
Beamwidth -3 dB	: 78°
Maximum rated RF power	: 100 watt
Polarization	: Vertical
Gain	: 0 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	: 1270 mm
Net weight	: abt. 1200 g
Working temperature	: From -35° to +80°

RADIATION PATTERNS

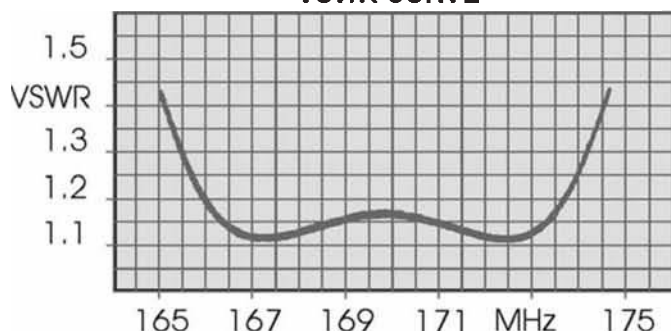


H - PLANE



E - PLANE

VSWR CURVE



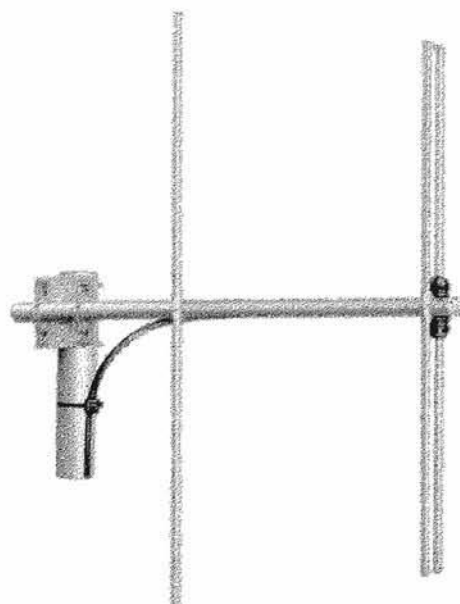
TWO ELEMENTS YAGI ANTENNA 68 ... 80 MHz

R-Y 210 NE

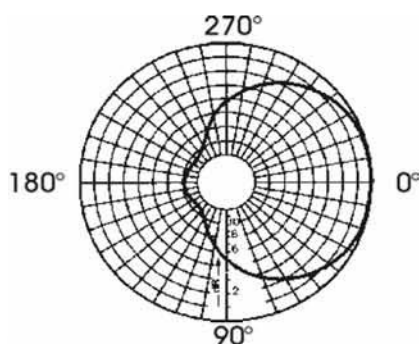
Light weight two elements yagi antenna
All parts of the antenna are grounded.
With DC grounded lightning protection

MAIN CHARACTERISTICS

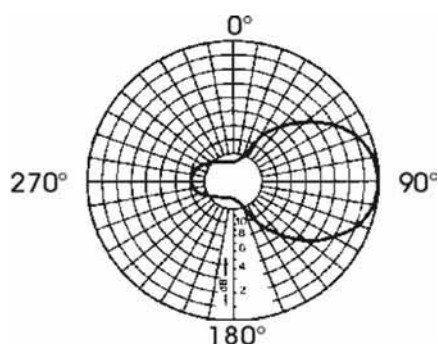
Frequency range	: 68 - 80 MHz
Input impedance	: 50 ohm
V.S.W.R.	: < 1:1.5
Beamwidth -3 dB	: H plane 150° - E plane 72°
Front to Back ratio	: > 9 dB
Maximum rated RF power	: 150 watt
Polarization	: Vertical or Horizontal
Gain	: 3 dBd
Type of connection	: N female
Mounting hole	: From 33 to 60 mm master tube
Boom material	: Aluminium alloy DIN 3.2315
Elements material	: Aluminium alloy DIN 3.2306
Wind resistance	: 160 km/h
Dimensions	: 1515 x 2230 mm
Net weight	: abt. 3800 g
Working temperature	: From -35° to +80°



RADIATION PATTERNS

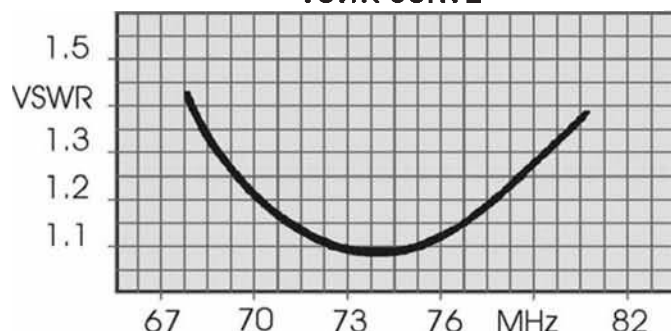


H - PLANE



E - PLANE

VSWR CURVE



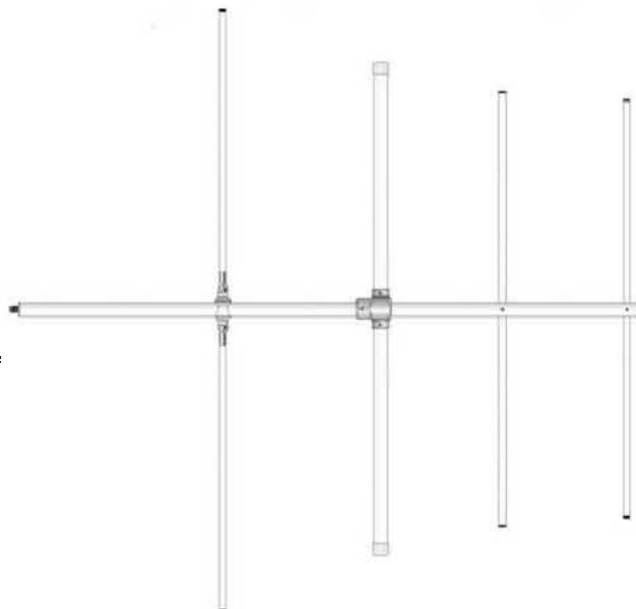
DIRECTIONAL VHF BASE ANTENNA 73.5 ... 76.5 MHz

SY 054

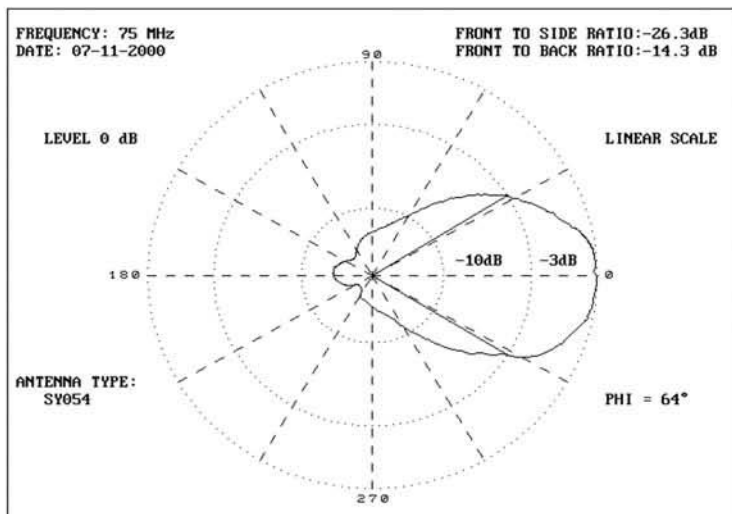
4 elements yagi antenna
Fiberglass covered radiator
Lightning protection

MAIN CHARACTERISTICS

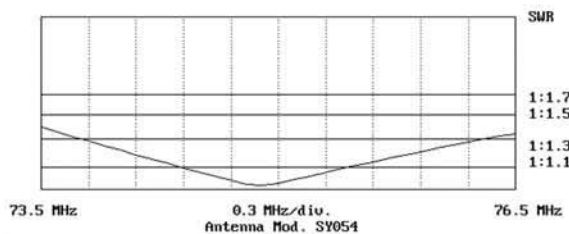
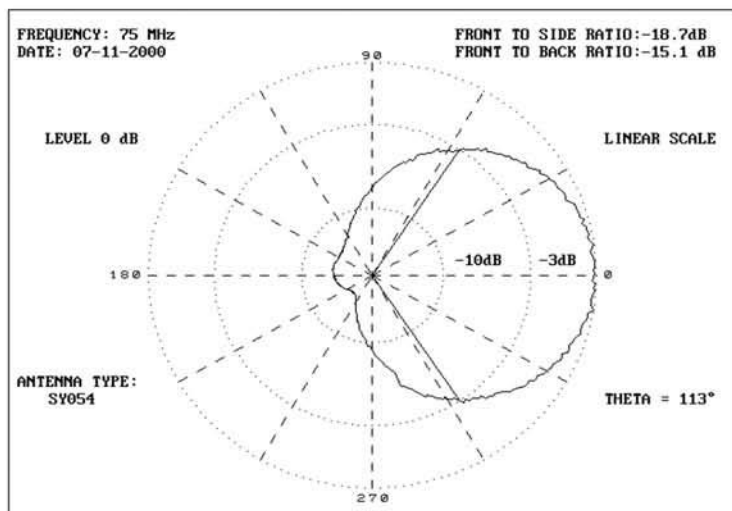
Type	: 4 el. yagi
Frequency range	: 73.5 - 76.5 MHz
Input impedance	: 50 ohm
V.S.W.R.	: < 1:1.5
Beamwidth -3 dB	: Horizontal 64° - Vertical 113°
Maximum rated RF power	: 200 watt
Polarization	: Vertical or Horizontal
Gain	: 5 dBd
Type of connection	: N female
Mounting hole	: From 30 to 62 mm master tube
Boom material	: Anodized Aluminium
Elements material	: Anodized Aluminium
Wind resistance	: 120 Km/h.
Dimensions	: 2405 mm x 2100 mm
Net weight	: 7000 g



HORIZONTAL PATTERN



VERTICAL PATTERN



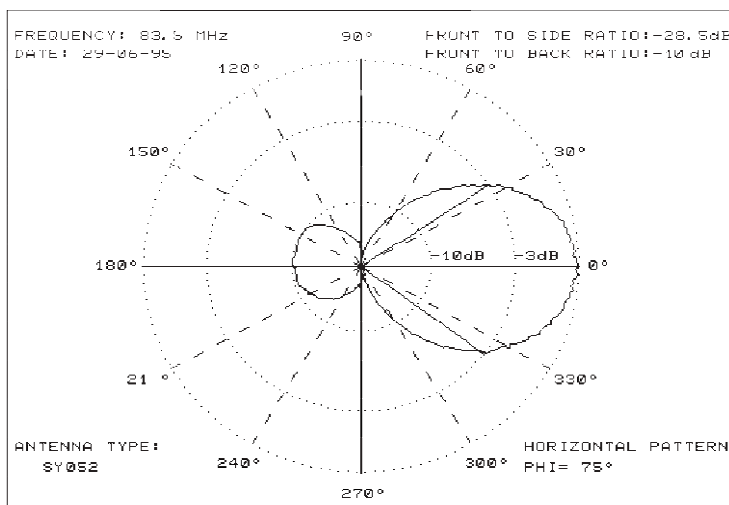
2 elements yagi antenna
Fiberglass covered radiator
Lightning protection

MAIN CHARACTERISTICS

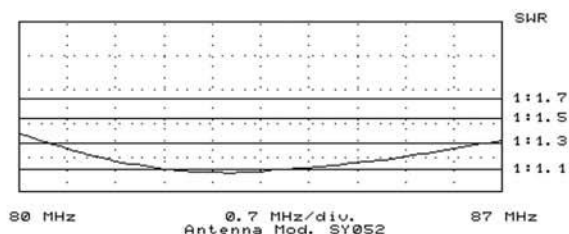
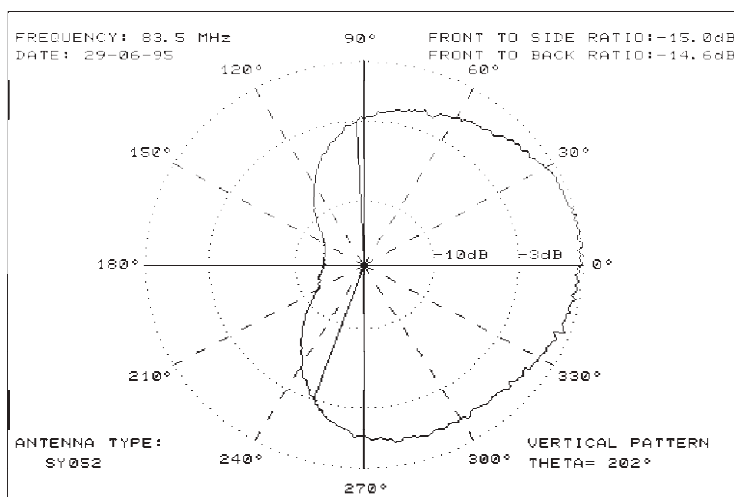
Type	: 2 el. yagi
Frequency range	: 80 - 87 MHz
Input impedance	: 50 ohm
V.S.W.R.	: < 1:1.5
Beamwidth -3 dB	: Horizontal 75° - Vertical 202°
Maximum rated RF power	: 200 watt
Polarization	: Vertical or Horizontal
Gain	: 3 dBd
Type of connection	: N female
Mounting hole	: From 30 to 62 mm master tube
Boom material	: Anodized Aluminium
Elements material	: Anodized Aluminium
Wind resistance	: 120 Km/h.
Dimensions	: 1950 mm x 1090 mm
Net weight	: 4500 g



HORIZONTAL PATTERN



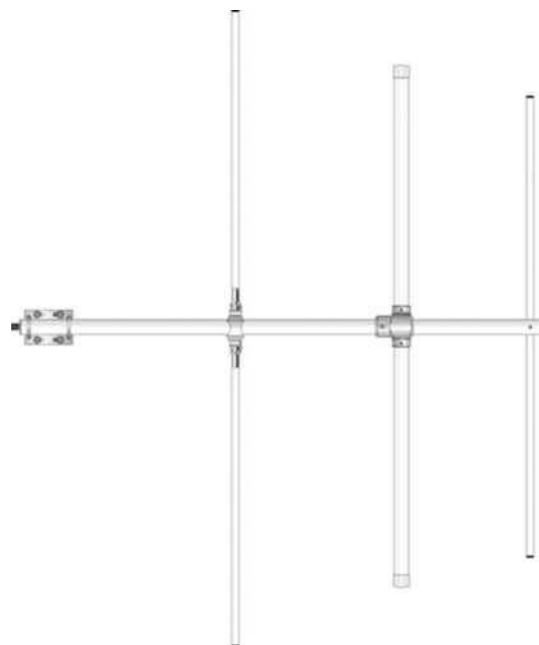
VERTICAL PATTERN



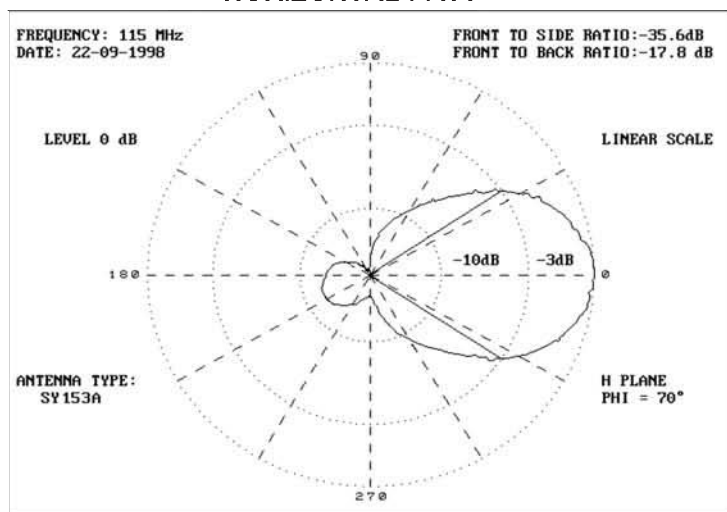
3 elements yagi antenna
Fiberglass covered radiator
Lightning protection

MAIN CHARACTERISTICS

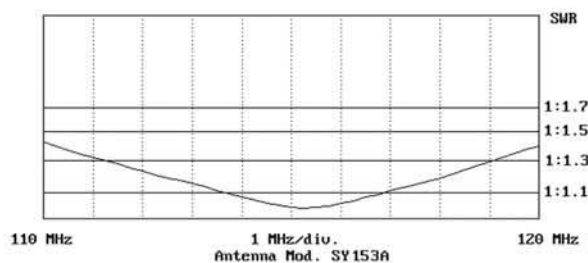
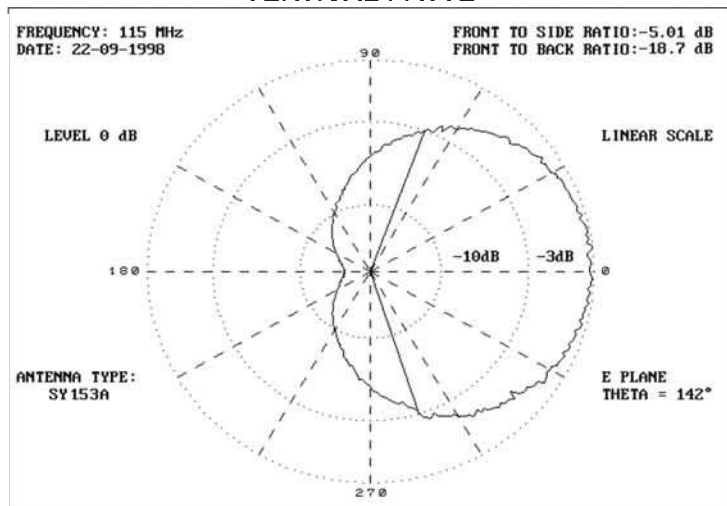
Type	: 3 el. yagi
Frequency range	: 110 - 120 MHz
Input impedance	: 50 ohm
V.S.W.R.	: < 1:1.5
Beamwidth -3 dB	: Horizontal 70° - Vertical 142°
Maximum rated RF power	: 200 watt
Polarization	: Vertical or Horizontal
Gain	: 5.5 dBd
Type of connection	: N female
Mounting hole	: From 30 to 62 mm master tube
Boom material	: Anodized Aluminium
Elements material	: Anodized Aluminium
Wind resistance	: 120 Km/h.
Dimensions	: 1430 mm x 1430 mm
Net weight	: 4000 g



HORIZONTAL PATTERN



VERTICAL PATTERN



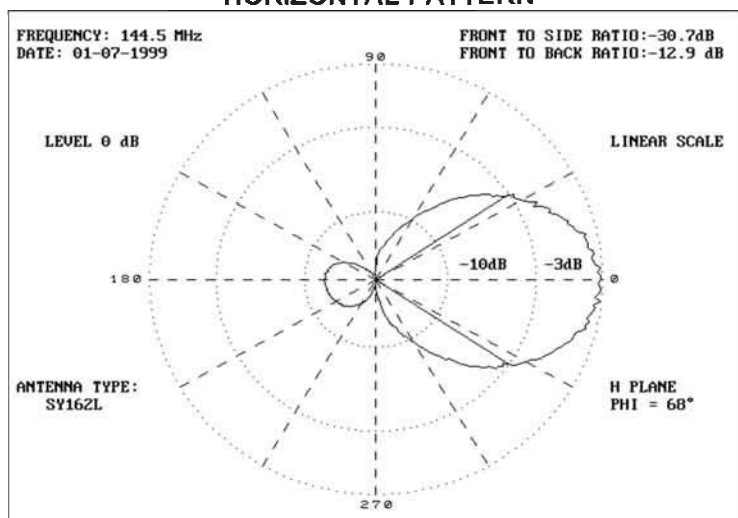
2 elements yagi antenna
Lightning protection

MAIN CHARACTERISTICS

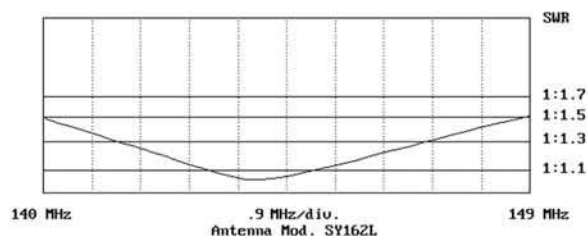
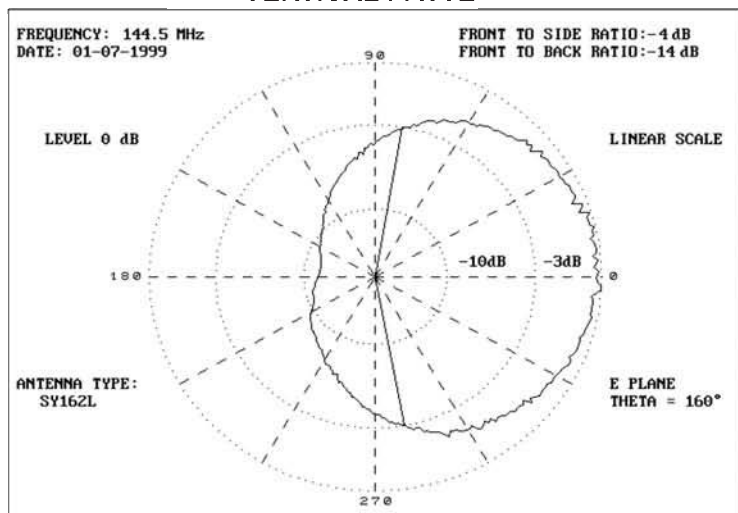
Type	: 2 el. yagi
Frequency range	: 140 - 149 MHz
Input impedance	: 50 ohm
V.S.W.R.	: < 1:1.5
Beamwidth -3 dB	: Horizontal 68° - Vertical 160°
Maximum rated RF power	: 200 watt
Polarization	: Vertical or Horizontal
Gain	: 3 dBd
Type of connection	: N female
Mounting hole	: From 30 to 62 mm master tube
Boom material	: Anticorodal
Elements material	: Anticorodal
External treatment	: Alodine 1200
Wind resistance	: 120 Km/h.
Dimensions	: 1000 mm x 1155 mm
Net weight	: 2100 g



HORIZONTAL PATTERN



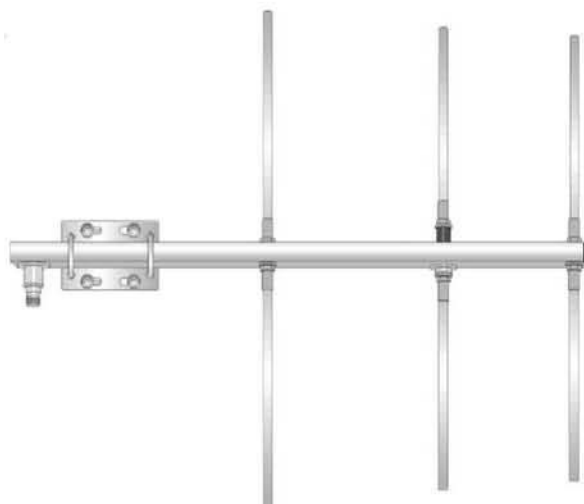
VERTICAL PATTERN



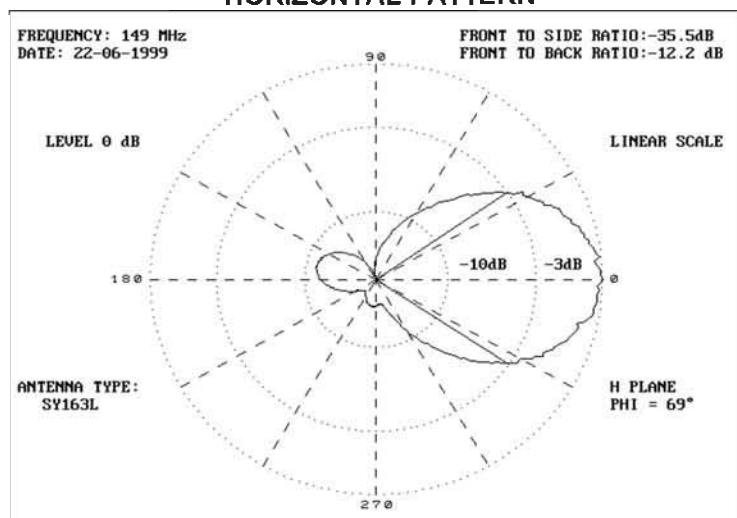
3 elements yagi antenna
Lightning protection

MAIN CHARACTERISTICS

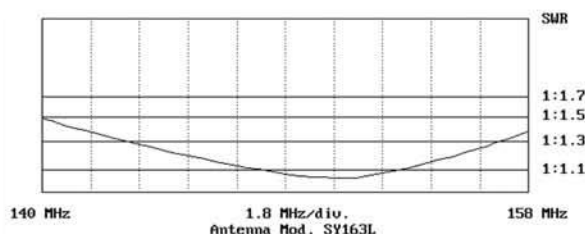
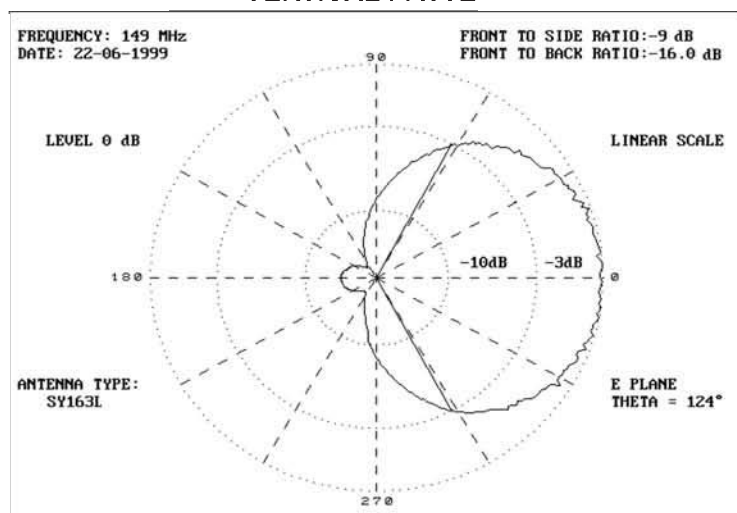
Type	: 3 el. yagi
Frequency range	: 140 - 158 MHz
Input impedance	: 50 ohm
V.S.W.R.	: < 1:1.5
Beamwidth -3 dB	: Horizontal 69° - Vertical 124°
Maximum rated RF power	: 200 watt
Polarization	: Vertical or Horizontal
Gain	: 5 dBd
Type of connection	: N female
Mounting hole	: From 30 to 62 mm master tube
Boom material	: Anticorodal
Elements material	: Anticorodal
External treatment	: Alodine 1200
Wind resistance	: 120 Km/h.
Dimensions	: 1400 mm x 1012 mm
Net weight	: 2500 g



HORIZONTAL PATTERN



VERTICAL PATTERN



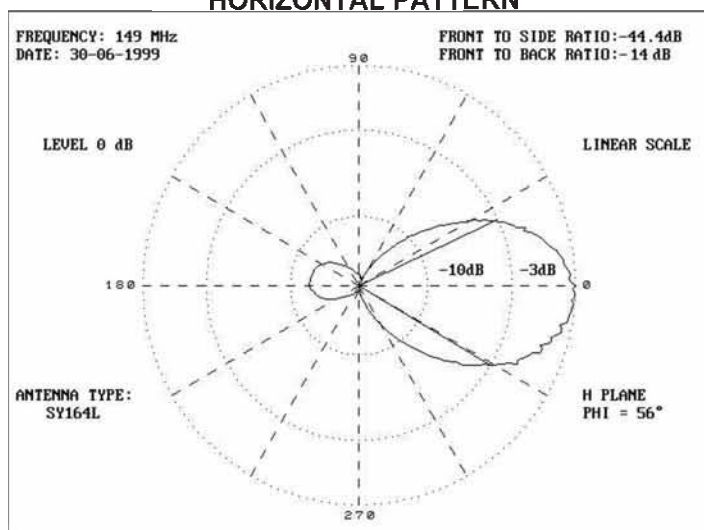
4 elements yagi antenna
Lightning protection

MAIN CHARACTERISTICS

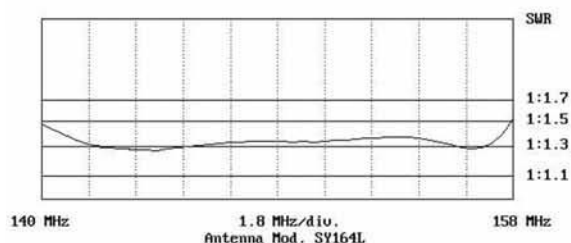
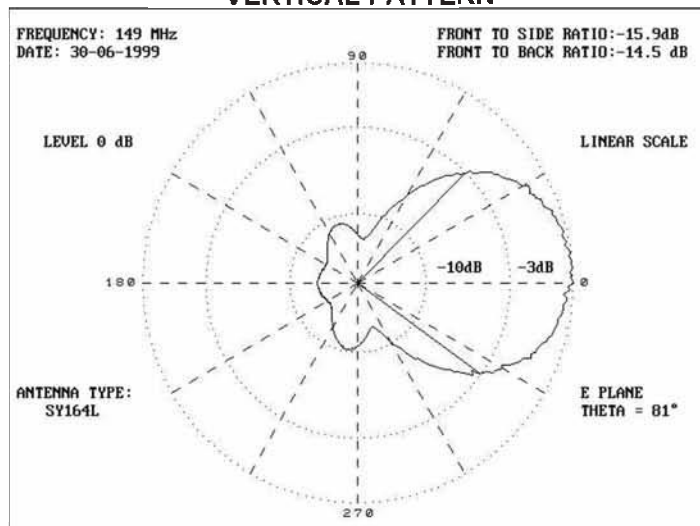
Type	: 4 el. yagi
Frequency range	: 140 - 158 MHz
Input impedance	: 50 ohm
V.S.W.R.	: < 1:1.5
Beamwidth -3 dB	: Horizontal 56° - Vertical 81°
Maximum rated RF power	: 200 watt
Polarization	: Vertical or Horizontal
Gain	: 7 dBd
Type of connection	: N female
Mounting hole	: From 30 to 62 mm master tube
Boom material	: Anticorodal
Elements material	: Anticorodal
External treatment	: Alodine 1200
Wind resistance	: 120 Km/h.
Dimensions	: 1828 mm x 1054 mm
Net weight	: 3000 g



HORIZONTAL PATTERN



VERTICAL PATTERN



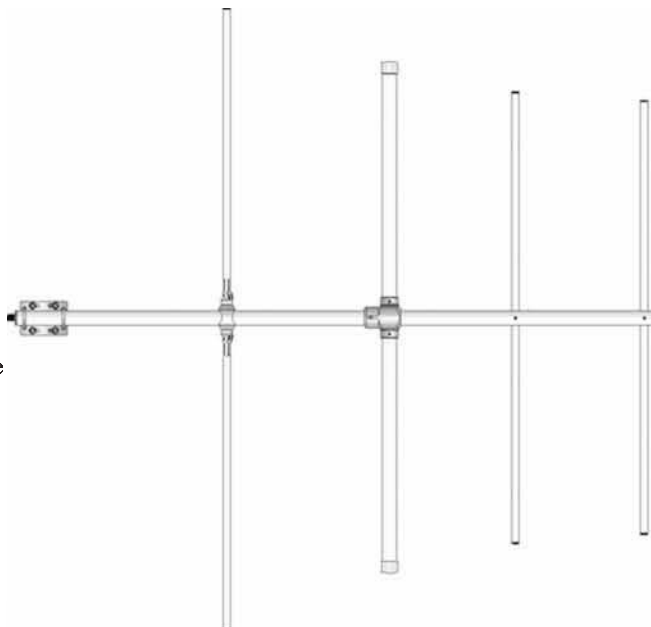
DIRECTIONAL VHF BASE ANTENNA 140 ... 158 MHz

SY 154L

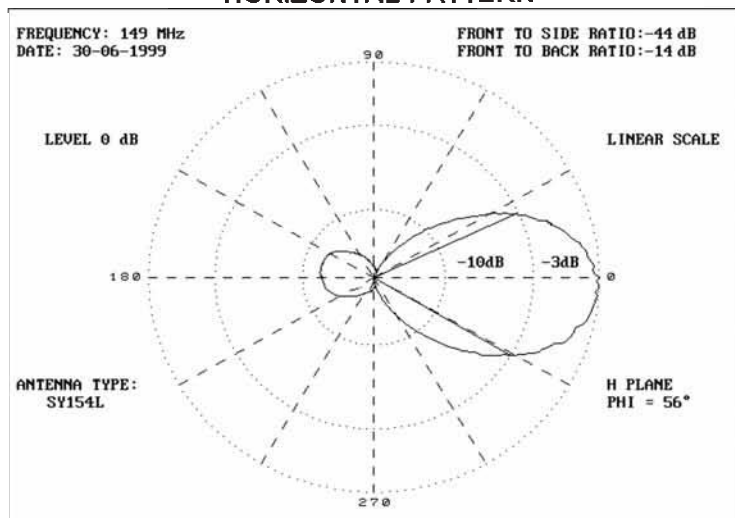
4 elements yagi antenna
Fiberglass covered radiator
Lightning protection

MAIN CHARACTERISTICS

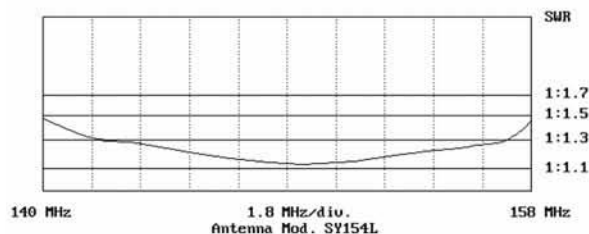
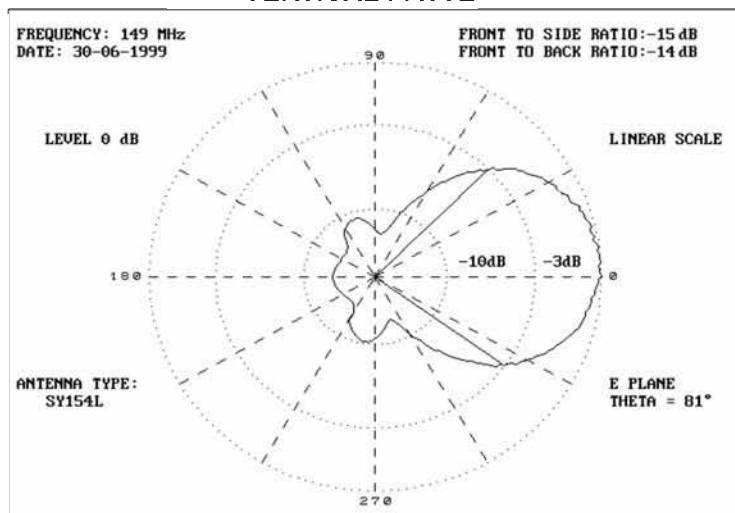
Type	: 4 el. yagi
Frequency range	: 140 - 158 MHz
Input impedance	: 50 ohm
V.S.W.R.	: < 1:1.5
Beamwidth -3 dB	: Horizontal 56° - Vertical 81°
Maximum rated RF power	: 200 watt
Polarization	: Vertical or Horizontal
Gain	: 7 dBd
Type of connection	: N female
Mounting hole	: From 30 to 62 mm master tube
Boom material	: Anodized Aluminium
Elements material	: Anodized Aluminium
Wind resistance	: 120 Km/h.
Dimensions	: 1300 mm x 1045 mm
Net weight	: 2800 g



HORIZONTAL PATTERN



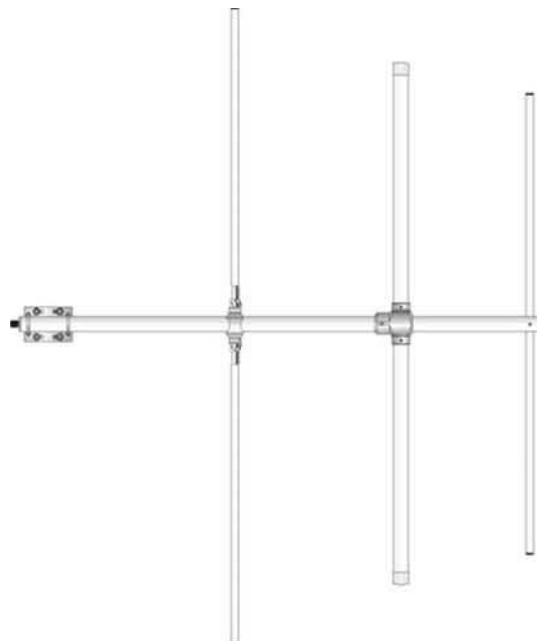
VERTICAL PATTERN



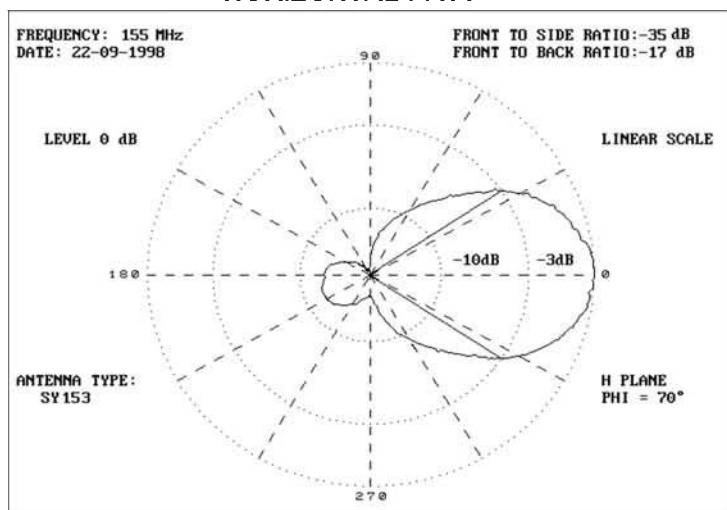
3 elements yagi antenna
Fiberglass covered radiator
Lightning protection

MAIN CHARACTERISTICS

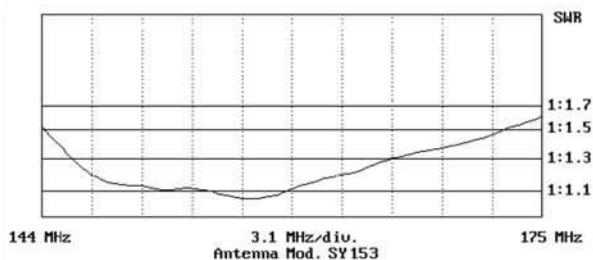
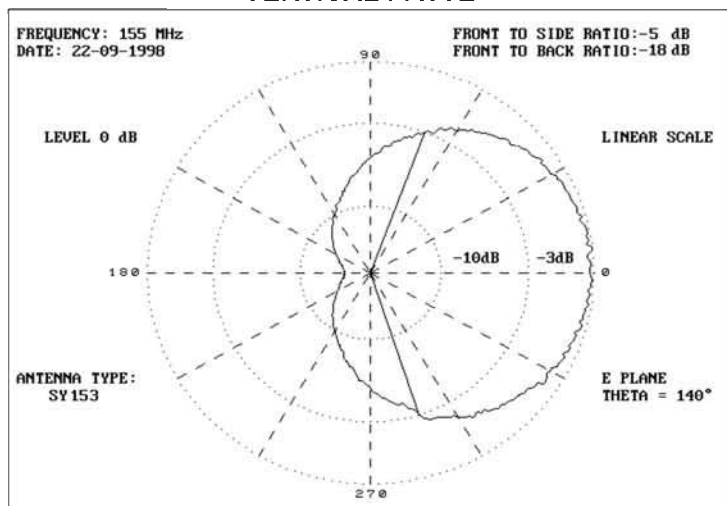
Type	: 3 el. yagi
Frequency range	: 144 - 175 MHz
Input impedance	: 50 ohm
V.S.W.R.	: < 1:1.6
Beamwidth -3 dB	: Horizontal 70° - Vertical 140°
Maximum rated RF power	: 200 watt
Polarization	: Vertical or Horizontal
Gain	: 5.5 dBd
Type of connection	: N female
Mounting hole	: From 30 to 62 mm master tube
Boom material	: Anodized Aluminium
Elements material	: Anodized Aluminium
Wind resistance	: 120 Km/h.
Dimensions	: 1150 mm x 1100 mm
Net weight	: 3600 g



HORIZONTAL PATTERN



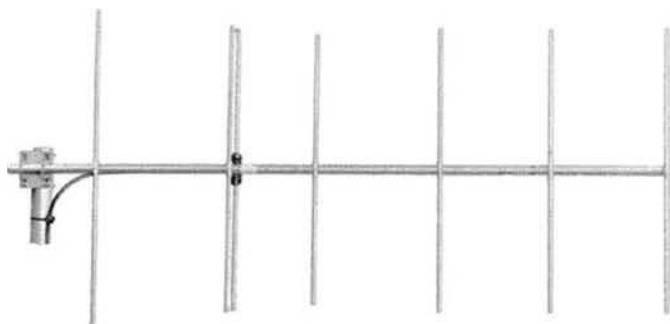
VERTICAL PATTERN



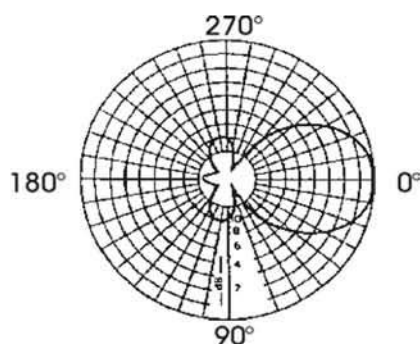
Light weight six elements yagi antenna.
All parts of the antenna are grounded.
With DC grounded lightning protection

MAIN CHARACTERISTICS

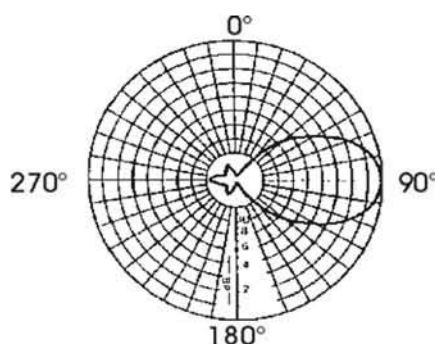
Frequency range	: 146 - 156 MHz
Input impedance	: 50 ohm
V.S.W.R.	: < 1:1.5
Beamwidth -3 dB	: 72° H-Plane - 54° E-Plane
Front to Back ratio	: > 23 dB
Maximum rated RF power	: 150 watt
Polarization	: Vertical or Horizontal
Gain	: 8 dBd
Type of connection	: N female
Mounting hole	: From 33 to 60 mm master tube
Boom material	: Aluminium alloy DIN 3.2315
Elements material	: Aluminium alloy DIN 3.2306
Wind resistance	: 160 km/h
Dimensions	: 990 x 1915 mm
Net weight	: abt. 3900 g
Working temperature	: From -35° to +80°



RADIATION PATTERNS

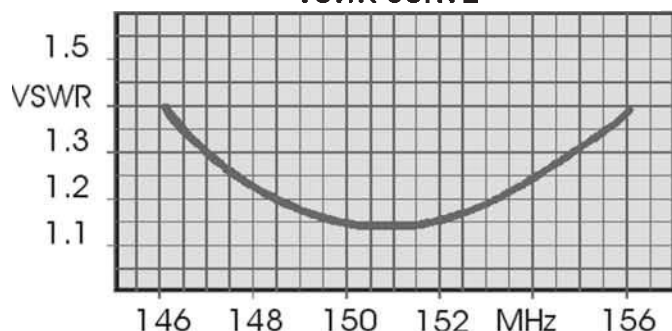


H - PLANE



E - PLANE

VSWR CURVE



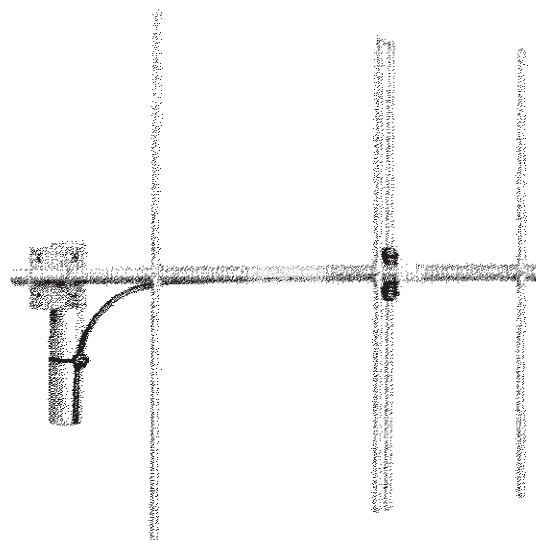
THREE ELEMENTS YAGI ANTENNA 147 ... 167 MHz

R-Y 313 NH

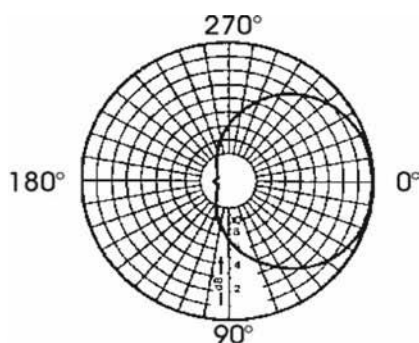
Light weight three elements yagi antenna.
All parts of the antenna are grounded.
With DC grounded lightning protection

MAIN CHARACTERISTICS

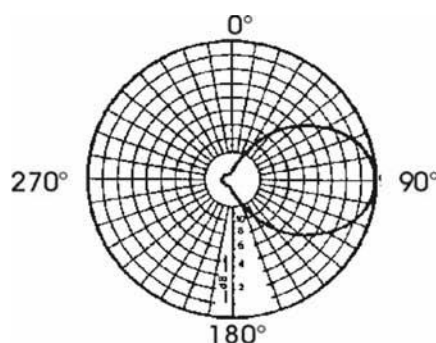
Frequency range	: 147 - 167 MHz
Input impedance	: 50 ohm
V.S.W.R.	: < 1:1.5
Beamwidth -3 dB	: 120° H-Plane - 68° E-Plane
Front to Back ratio	: > 16 dB
Maximum rated RF power	: 150 watt
Polarization	: Vertical or Horizontal
Gain	: 5 dBd
Type of connection	: N female
Mounting hole	: From 33 to 60 mm master tube
Boom material	: Aluminium alloy DIN 3.2315
Elements material	: Aluminium alloy DIN 3.2306
Wind resistance	: 160 km/h
Dimensions	: 980 x 1215 mm
Net weight	: abt. 2700 g
Working temperature	: From -35° to +80°



RADIATION PATTERNS

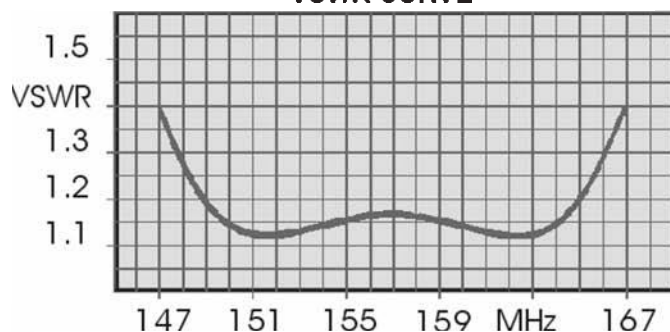


H - PLANE



E - PLANE

VSWR CURVE



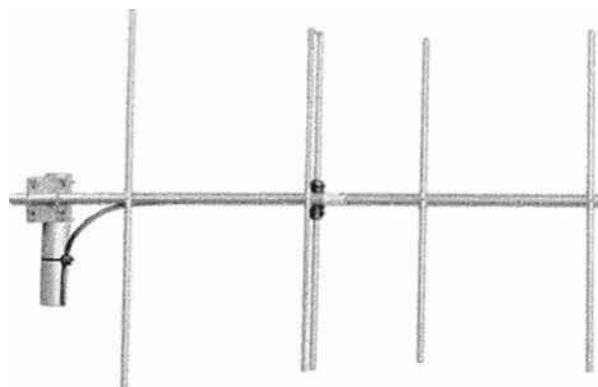
FOUR ELEMENTS YAGI ANTENNA 147 ... 167 MHz

R-Y 413 NH

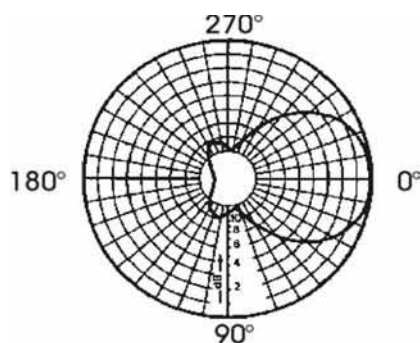
Light weight four elements yagi antenna.
All parts of the antenna are grounded.
With DC grounded lightning protection

MAIN CHARACTERISTICS

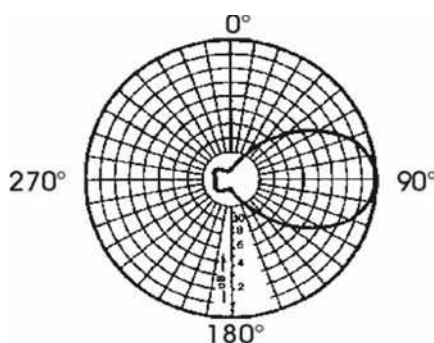
Frequency range	: 147 - 167 MHz
Input impedance	: 50 ohm
V.S.W.R.	: < 1:1.5
Beamwidth -3 dB	: 84° H-Plane - 60° E-Plane
Front to Back ratio	: > 17 dB
Maximum rated RF power	: 150 watt
Polarization	: Vertical or Horizontal
Gain	: See "GAIN CURVE"
Type of connection	: N female
Mounting hole	: From 33 to 60 mm master tube
Boom material	: Aluminium alloy DIN 3.2315
Elements material	: Aluminium alloy DIN 3.2306
Wind resistance	: 160 km/h
Dimensions	: 980 x 1515 mm
Net weight	: abt. 3200 g
Working temperature	: From -35° to +80°



RADIATION PATTERNS

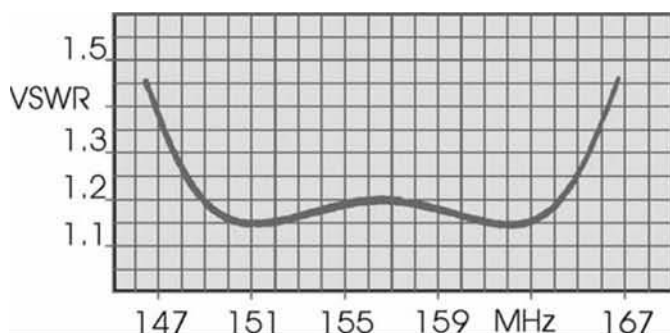


H - PLANE

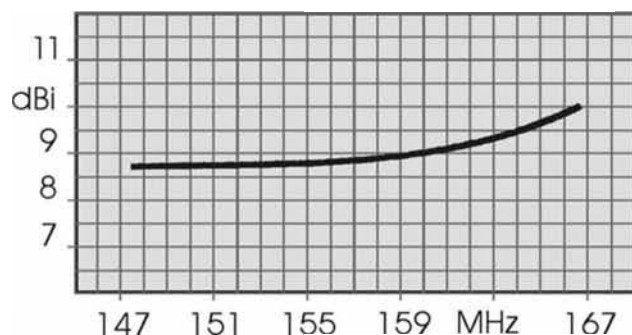


E - PLANE

VSWR CURVE



GAIN CURVE



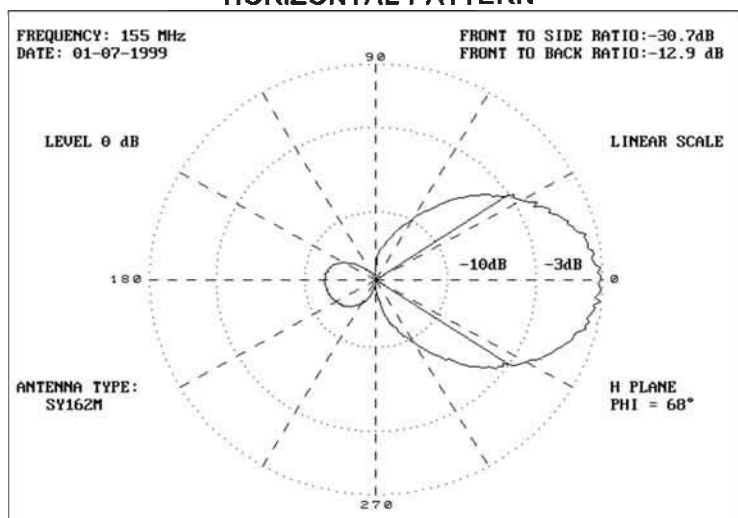
2 elements yagi antenna
Lightning protection

MAIN CHARACTERISTICS

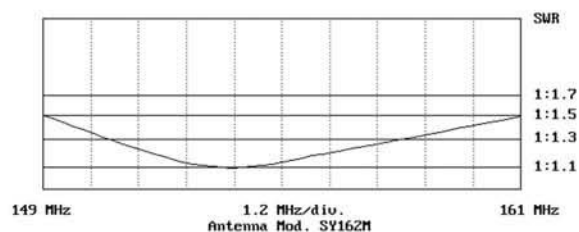
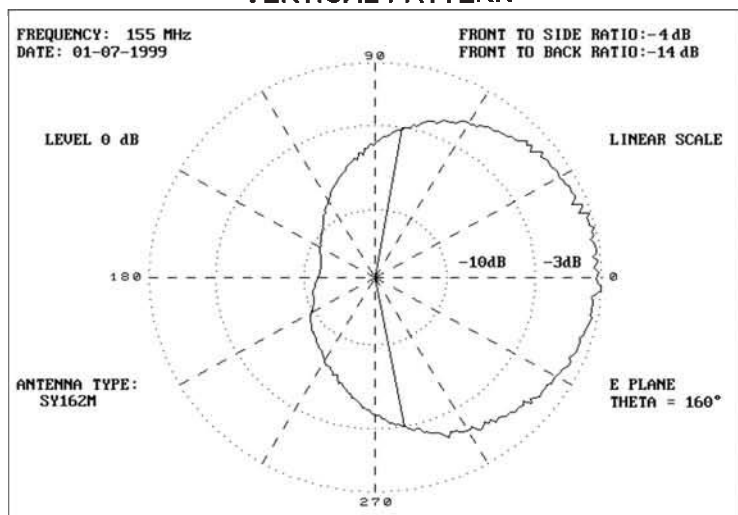
Type	: 2 el. yagi
Frequency range	: 149 - 161 MHz
Input impedance	: 50 ohm
V.S.W.R.	: < 1:1.5
Beamwidth -3 dB	: Horizontal 68° - Vertical 160°
Maximum rated RF power	: 200 watt
Polarization	: Vertical or Horizontal
Gain	: 3 dBd
Type of connection	: N female
Mounting hole	: From 30 to 62 mm master tube
Boom material	: Anticorodal
Elements material	: Anticorodal
External treatment	: Alodine 1200
Wind resistance	: 120 Km/h.
Dimensions	: 1000 mm x 1120 mm
Net weight	: 2000 g



HORIZONTAL PATTERN



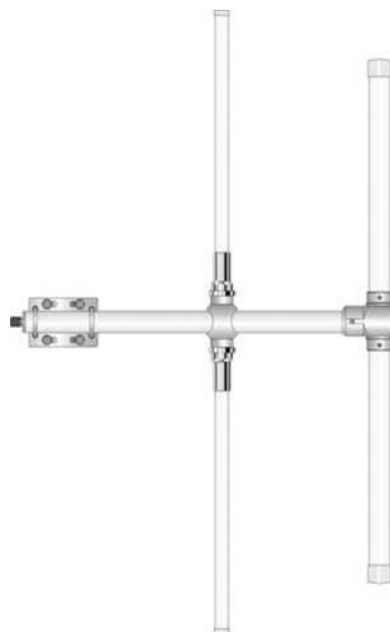
VERTICAL PATTERN



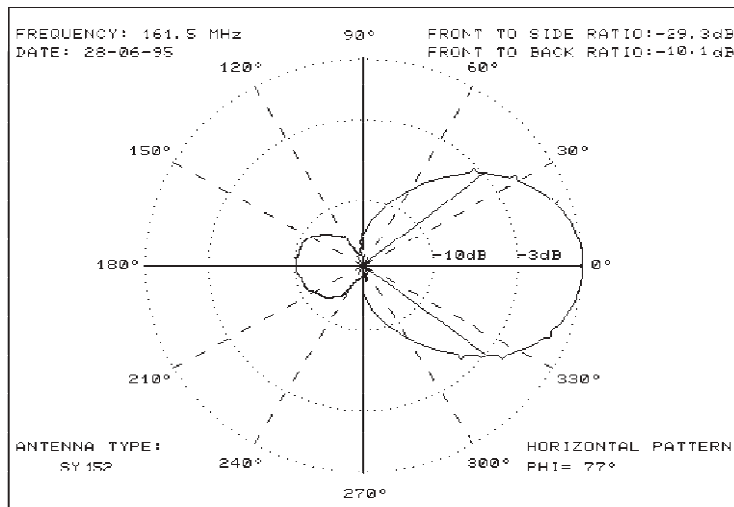
2 elements yagi antenna
Fiberglass covered radiator
Lightning protection

MAIN CHARACTERISTICS

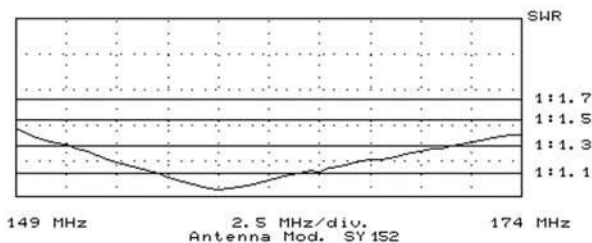
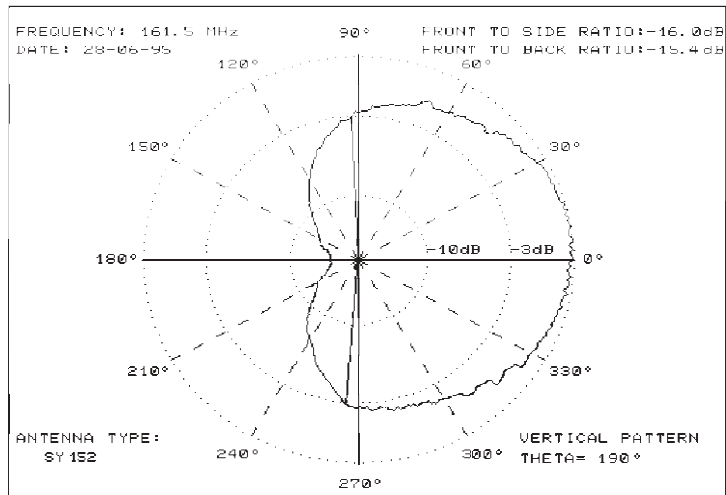
Type	: 2 el. yagi
Frequency range	: 149 - 174 MHz
Input impedance	: 50 ohm
V.S.W.R.	: < 1:1.5
Beamwidth -3 dB	: Horizontal 77° - Vertical 190°
Maximum rated RF power	: 200 watt
Polarization	: Vertical or Horizontal
Gain	: 3 dBd
Type of connection	: N female
Mounting hole	: From 30 to 60 mm master tube
Boom material	: Anodized Aluminium
Elements material	: Anodized Aluminium
Wind resistance	: 120 Km/h.
Dimensions	: 1150 mm x 790 mm
Net weight	: 3300 g



HORIZONTAL PATTERN



VERTICAL PATTERN



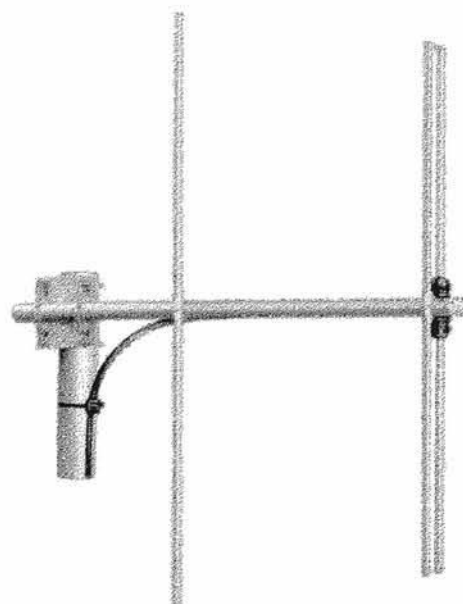
TWO ELEMENTS YAGI ANTENNA 154 ... 174 MHz

R-Y 212 NH

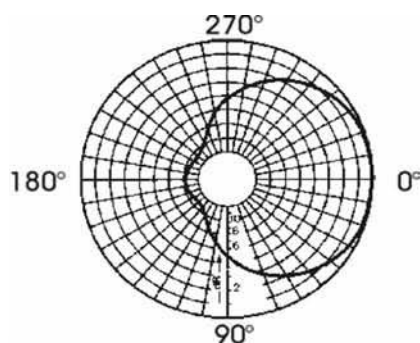
Light weight two elements yagi antenna
All parts of the antenna are grounded.
With DC grounded lightning protection

MAIN CHARACTERISTICS

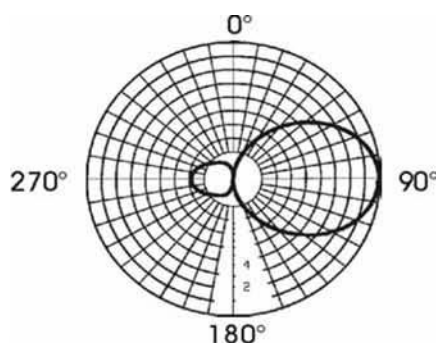
Frequency range	: 154 - 174 MHz
Input impedance	: 50 ohm
V.S.W.R.	: < 1:1.5
Beamwidth -3 dB	: 170° H-Plane - 74° E-Plane
Front to Back ratio	: > 9 dB
Maximum rated RF power	: 150 watt
Polarization	: Vertical or Horizontal
Gain	: See Gain Curve
Type of connection	: N female
Mounting hole	: From 33 to 60 mm master tube
Boom material	: Aluminium alloy DIN 3.2315
Elements material	: Aluminium alloy DIN 3.2306
Wind resistance	: 160 km/h
Dimensions	: 615 x 955 mm
Net weight	: abt. 2300 g
Working temperature	: From -35° to +80°



RADIATION PATTERNS

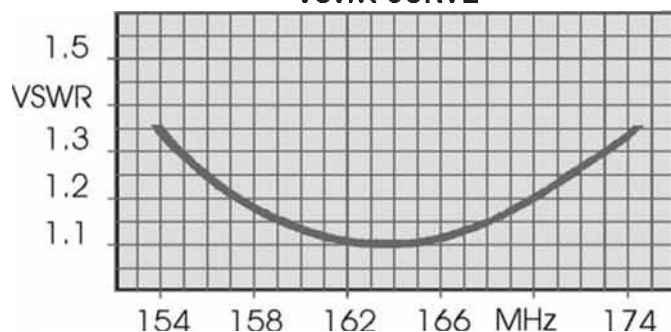


H - PLANE

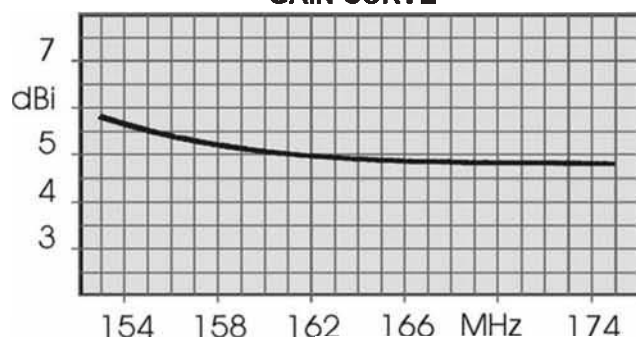


E - PLANE

VSWR CURVE



GAIN CURVE



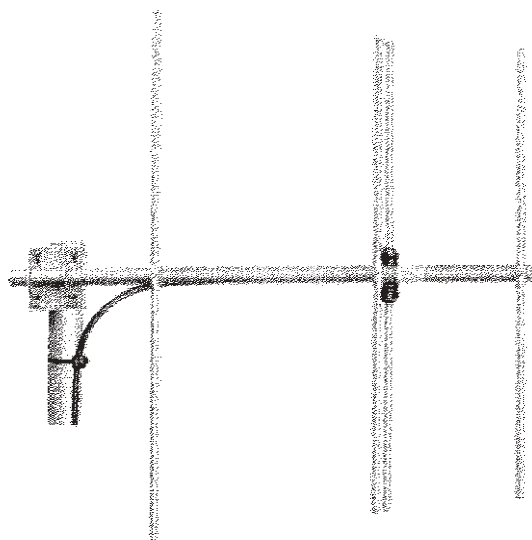
THREE ELEMENTS YAGI ANTENNA 154 ... 174 MHz

R-Y 311 NH

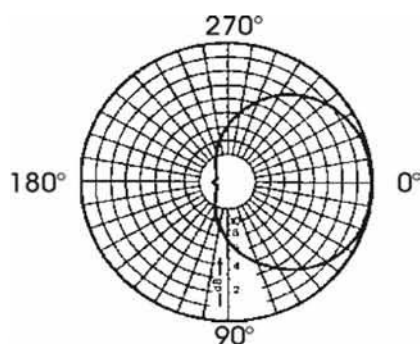
Light weight three elements yagi antenna.
All parts of the antenna are grounded.
With DC grounded lightning protection

MAIN CHARACTERISTICS

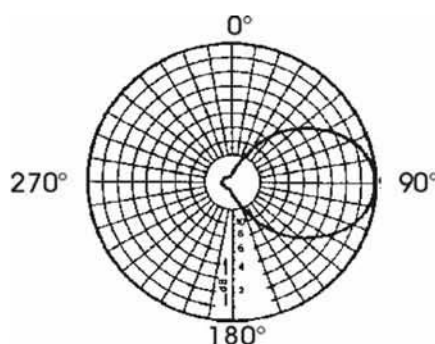
Frequency range	: 154 - 174 MHz
Input impedance	: 50 ohm
V.S.W.R.	: < 1:1.3
Beamwidth -3 dB	: 120° H-Plane - 68° E-Plane
Front to Back ratio	: > 16 dB
Maximum rated RF power	: 150 watt
Polarization	: Vertical or Horizontal
Gain	: 5 dBd
Type of connection	: N female
Mounting hole	: From 33 to 60 mm master tube
Boom material	: Aluminium alloy DIN 3.2315
Elements material	: Aluminium alloy DIN 3.2306
Wind resistance	: 160 km/h
Dimensions	: 910 x 1215 mm
Net weight	: abt. 2900 g
Working temperature	: From -35° to +80°



RADIATION PATTERNS

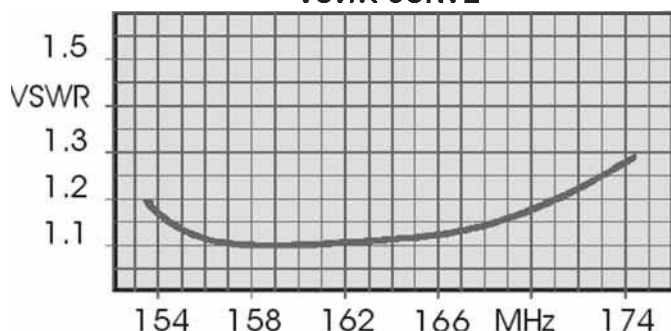


H - PLANE



E - PLANE

VSWR CURVE



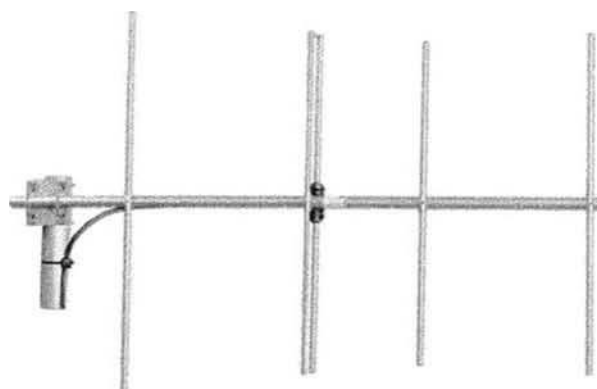
FOUR ELEMENTS YAGI ANTENNA 154 ... 174 MHz

R-Y 411 NH

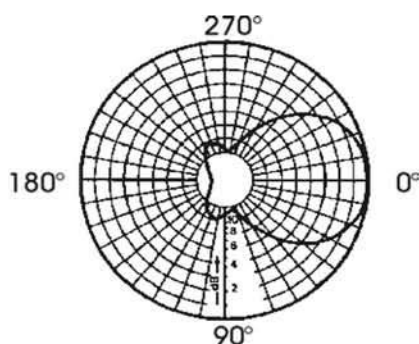
Light weight four elements yagi antenna.
All parts of the antenna are grounded.
With DC grounded lightning protection

MAIN CHARACTERISTICS

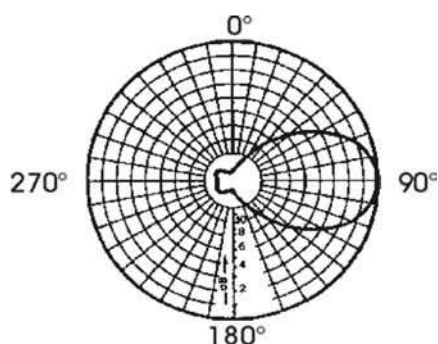
Frequency range	: 154 - 174 MHz
Input impedance	: 50 ohm
V.S.W.R.	: < 1:1.4
Beamwidth -3 dB	: 84° H-Plane - 60° E-Plane
Front to Back ratio	: > 17 dB
Maximum rated RF power	: 150 watt
Polarization	: Vertical or Horizontal
Gain	: 7 dBd
Type of connection	: N female
Mounting hole	: From 33 to 60 mm master tube
Boom material	: Aluminium alloy DIN 3.2315
Elements material	: Aluminium alloy DIN 3.2306
Wind resistance	: 160 km/h
Dimensions	: 950 x 1515 mm
Net weight	: abt. 3100 g
Working temperature	: From -35° to +80°



RADIATION PATTERNS

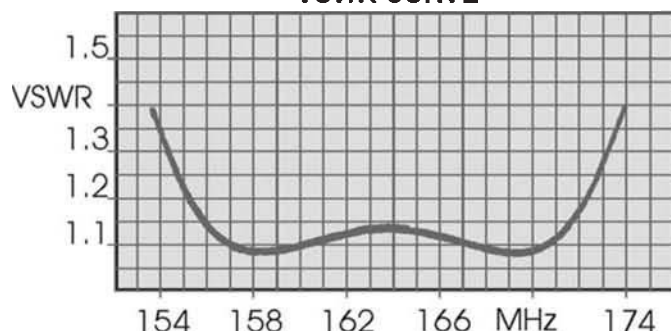


H - PLANE



E - PLANE

VSWR CURVE



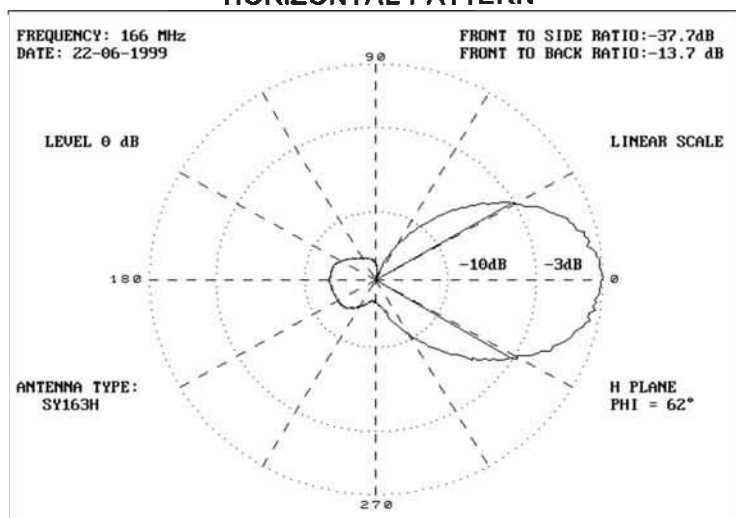
3 elements yagi antenna
Lightning protection

MAIN CHARACTERISTICS

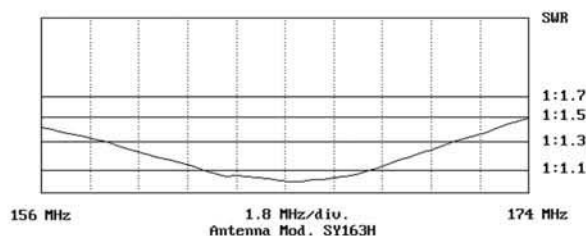
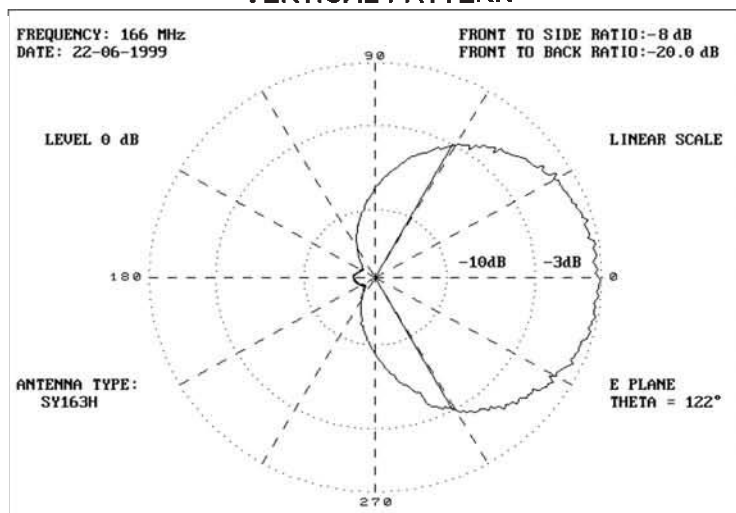
Type	: 3 el. yagi
Frequency range	: 156 - 174 MHz
Input impedance	: 50 ohm
V.S.W.R.	: < 1:1.5
Beamwidth -3 dB	: Horizontal 62° - Vertical 122°
Maximum rated RF power	: 200 watt
Polarization	: Vertical or Horizontal
Gain	: 5 dBd
Type of connection	: N female
Mounting hole	: From 30 to 62 mm master tube
Boom material	: Anticorodal
Elements material	: Anticorodal
External treatment	: Alodine 1200
Wind resistance	: 120 Km/h.
Dimensions	: 1150 mm x 110 mm
Net weight	: 2400 g



HORIZONTAL PATTERN



VERTICAL PATTERN



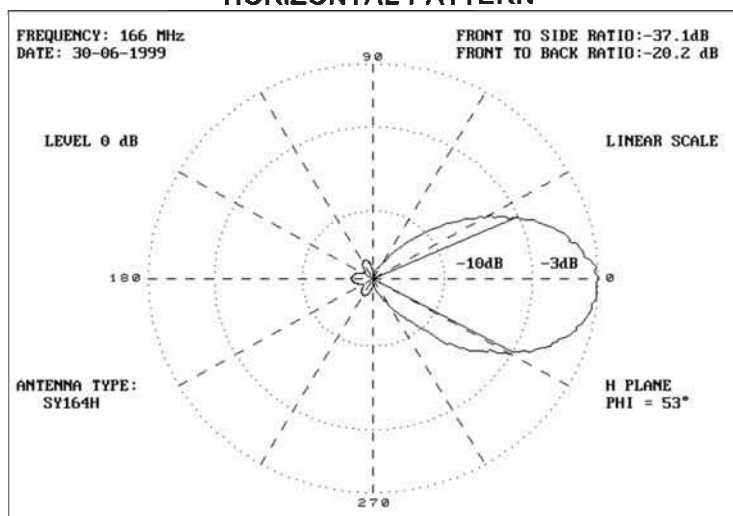
4 elements yagi antenna
Lightning protection

MAIN CHARACTERISTICS

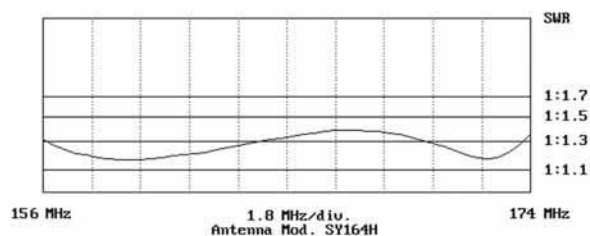
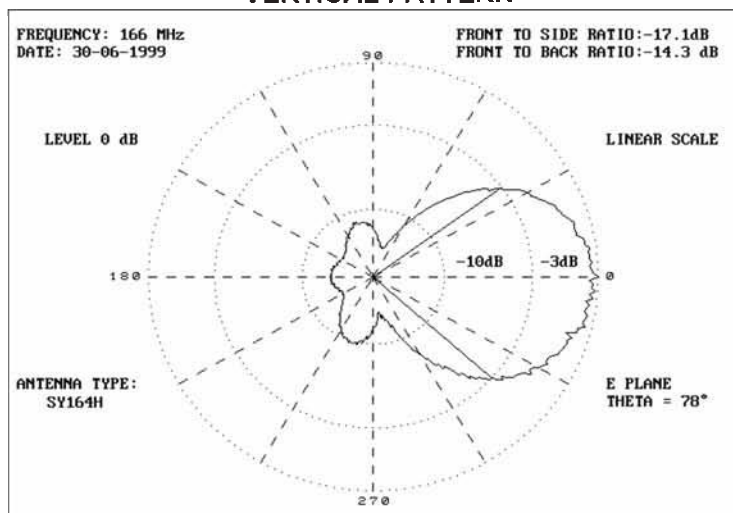
Type	: 4 el. yagi
Frequency range	: 156 - 174 MHz
Input impedance	: 50 ohm
V.S.W.R.	: < 1:1.5
Beamwidth -3 dB	: Horizontal 53° - Vertical 78°
Maximum rated RF power	: 200 watt
Polarization	: Vertical or Horizontal
Gain	: 7 dBd
Type of connection	: N female
Mounting hole	: From 30 to 62 mm master tube
Boom material	: Anticorodal
Elements material	: Anticorodal
External treatment	: Alodine 1200
Wind resistance	: 120 Km/h.
Dimensions	: 1748 mm x 946 mm
Net weight	: 2800 g



HORIZONTAL PATTERN



VERTICAL PATTERN



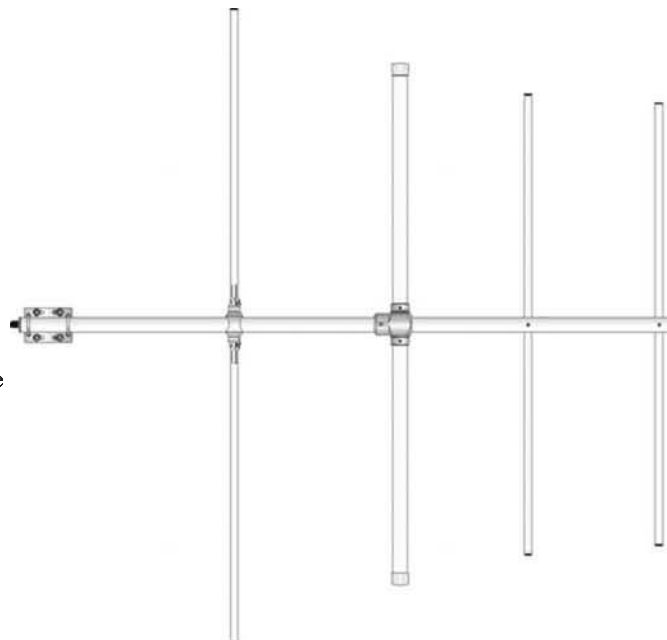
DIRECTIONAL VHF BASE ANTENNA 156 ... 174 MHz

SY 154H

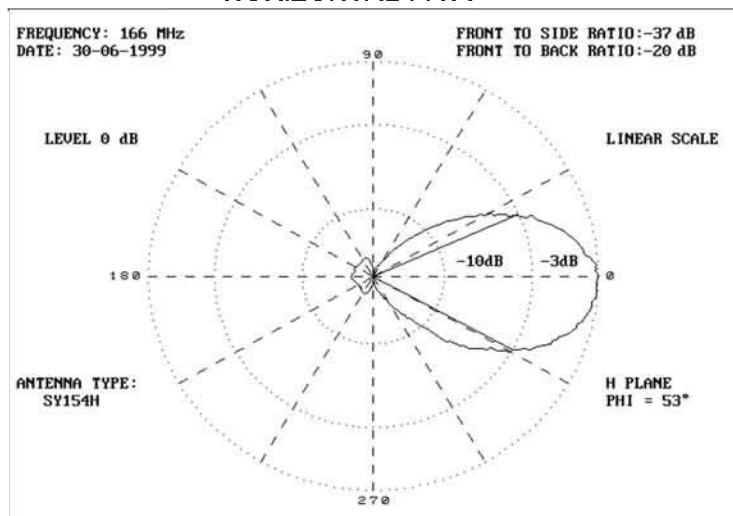
4 elements yagi antenna
Fiberglass covered radiator
Lightning protection

MAIN CHARACTERISTICS

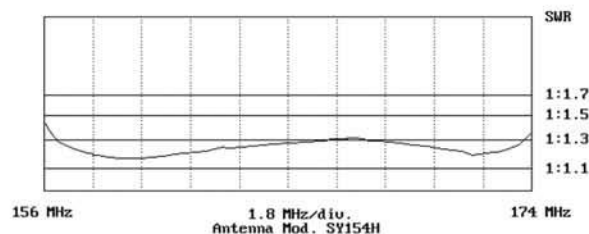
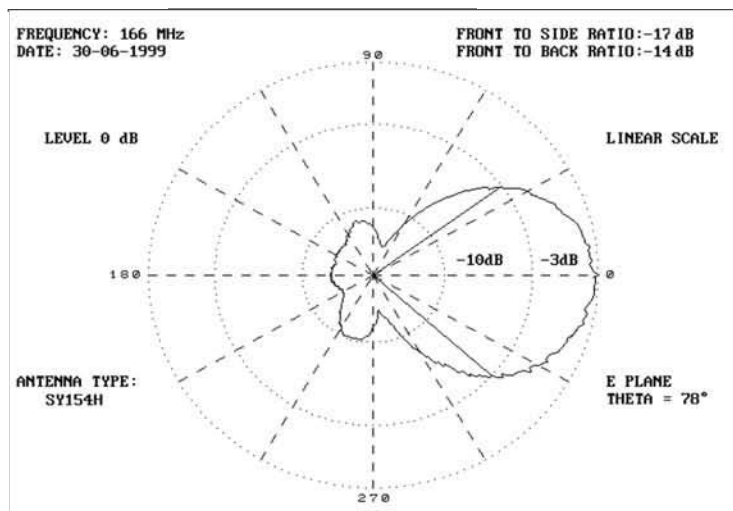
Type	: 4 el. yagi
Frequency range	: 156 - 174 MHz
Input impedance	: 50 ohm
V.S.W.R.	: < 1:1.5
Beamwidth -3 dB	: Horizontal 53° - Vertical 78°
Maximum rated RF power	: 200 watt
Polarization	: Vertical or Horizontal
Gain	: 7 dBd
Type of connection	: N female
Mounting hole	: From 30 to 62 mm master tube
Boom material	: Anodized Aluminium
Elements material	: Anodized Aluminium
Wind resistance	: 120 Km/h.
Dimensions	: 1300 mm x 995 mm
Net weight	: 2800 g



HORIZONTAL PATTERN



VERTICAL PATTERN



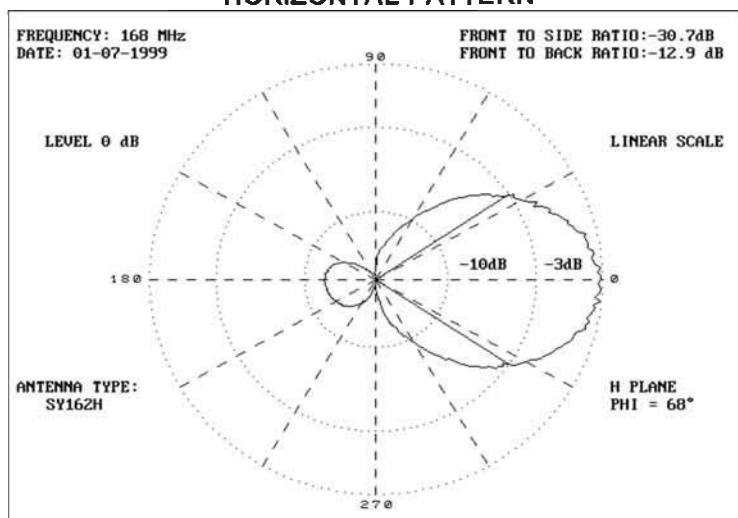
2 elements yagi antenna
Lightning protection

MAIN CHARACTERISTICS

Type	: 2 el. yagi
Frequency range	: 161 - 175 MHz
Input impedance	: 50 ohm
V.S.W.R.	: < 1:1.5
Beamwidth -3 dB	: Horizontal 68° - Vertical 160°
Maximum rated RF power	: 200 watt
Polarization	: Vertical or Horizontal
Gain	: 3 dBd
Type of connection	: N female
Mounting hole	: From 30 to 62 mm master tube
Boom material	: Anticorodal
Elements material	: Anticorodal
External treatment	: Alodine 1200
Wind resistance	: 120 Km/h.
Dimensions	: 1000 mm x 1080 mm
Net weight	: 1900 g



HORIZONTAL PATTERN



VERTICAL PATTERN

