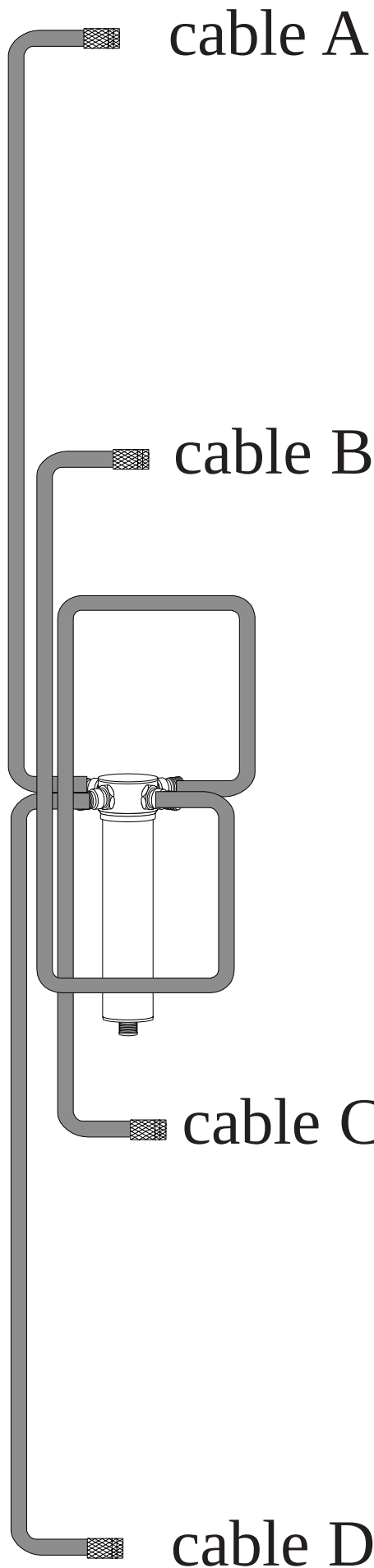




TETRA TILT KIT 300-342	
quantity	product
4	SY 351
1	COMBINER CMU 4
1 set (cable A,B,C,D)	KIT TILT A/6 electric tilt -6°
1 set (cable A,B,C,D)	KIT TILT A/9 electric tilt -9°
1 set (cable A,B,C,D)	KIT TILT A/12 electric tilt -12°
1 set (cable A,B,C,D)	KIT TILT A/15 electric tilt -15°
distance dipole	S= 39 cm

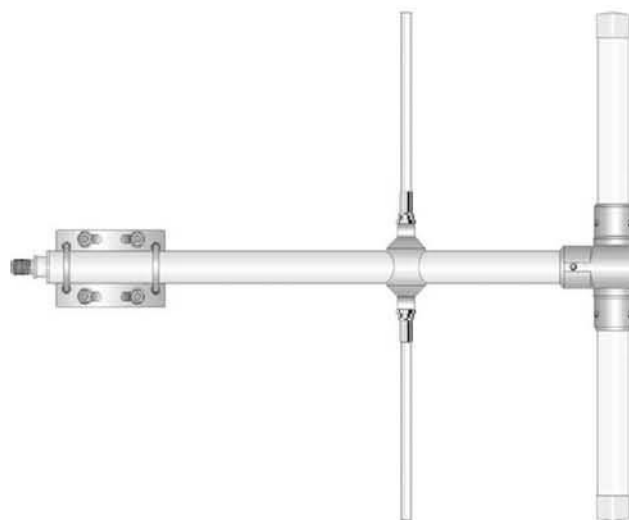
TETRA TILT KIT 400-435	
quantity	product
4	SY 451
1	COMBINER CMU 4
1 set (cable A,B,C,D)	KIT TILT B/6 electric tilt -6°
1 set (cable A,B,C,D)	KIT TILT B/9 electric tilt -9°
1 set (cable A,B,C,D)	KIT TILT B/12 electric tilt -12°
1 set (cable A,B,C,D)	KIT TILT B/15 electric tilt -15°
distance dipole	S= 36 cm

TETRA TILT KIT 435-470	
quantity	product
4	SY 451
1	COMBINER CMU 4
1 set (cable A,B,C,D)	KIT TILT C/6 electric tilt -6°
1 set (cable A,B,C,D)	KIT TILT C/9 electric tilt -9°
1 set (cable A,B,C,D)	KIT TILT C/12 electric tilt -12°
1 set (cable A,B,C,D)	KIT TILT C/15 electric tilt -15°
distance dipole	S= 33 cm

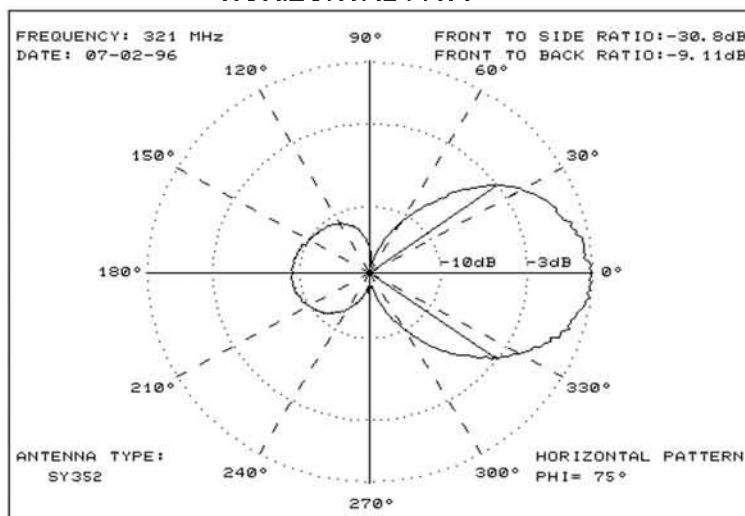
2 elements yagi antenna
Fiberglass covered radiator
Lightning protection

MAIN CHARACTERISTICS

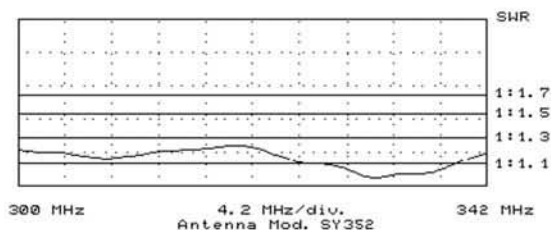
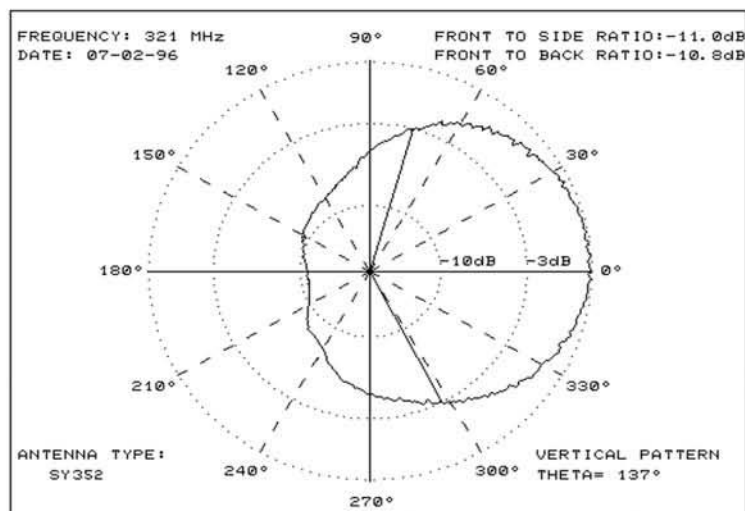
Type	: 2 el. yagi
Frequency range	: 300 - 342 MHz
Input impedance	: 50 ohm
V.S.W.R.	: < 1:1.5
Beamwidth -3 dB	: Horiz. 75° - Vert. 137°
Maximum rated RF power	: 200 watt
Polarization	: Vertical or Horizontal
Gain	: 3 dBd
Type of connection	: N female
Mounting hole	: From 30 to 62 mm master tube
Boom material	: Anodized Aluminium
Elements material	: Anodized Aluminium
Wind resistance	: 120 Km/h.
Dimensions	: 700 mm x 560 mm
Net weight	: 2700 g



HORIZONTAL PATTERN



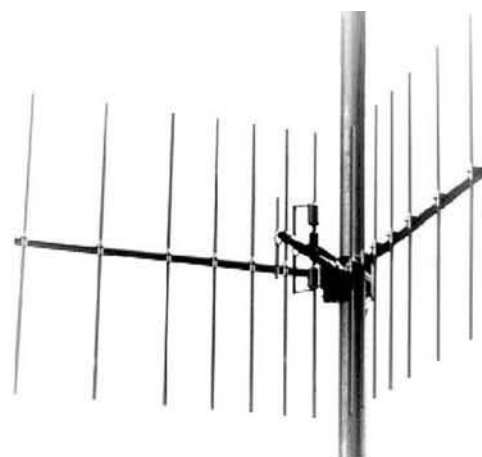
VERTICAL PATTERN



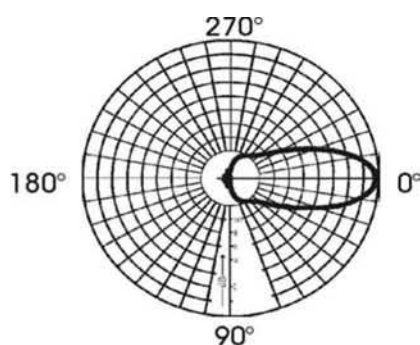
All parts of the antenna are grounded.
With DC grounded lightning protection

MAIN CHARACTERISTICS

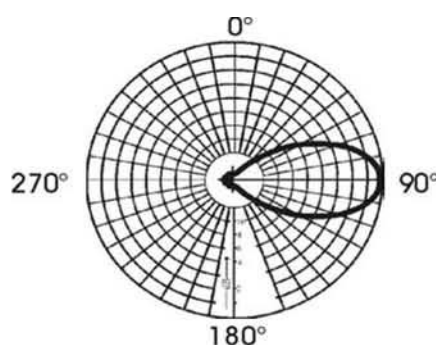
Frequency range	: 320 - 470 MHz
Input impedance	: 50 ohm
V.S.W.R.	: < 1:1.5
Beamwidth -3 dB	: 40° H-Plane -45° E-Plane
Maximum rated RF power	: 150 watt
Polarization	: Vertical
Gain	: > 9 dBd
Type of connection	: N female
Mounting hole	: From 60 to 115 mm master tube
Boom material	: Aluminium alloy DIN 3.2315
Elements material	: Aluminium alloy DIN 3.2306
Wind resistance	: 160 km/h
Dimensions	: 1100 x 1400 x 700 mm
Net weight	: abt. 9300 g
Working temperature	: From -35° to +80°



RADIATION PATTERNS

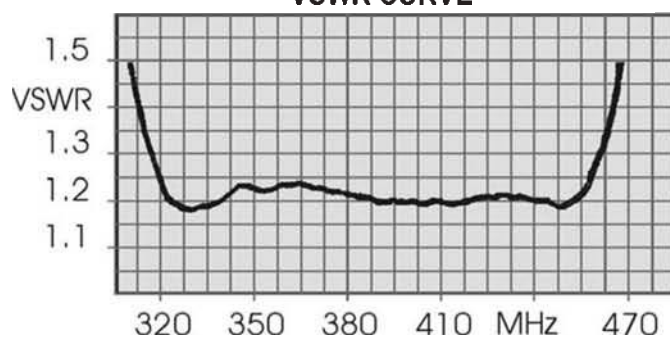


H - PLANE

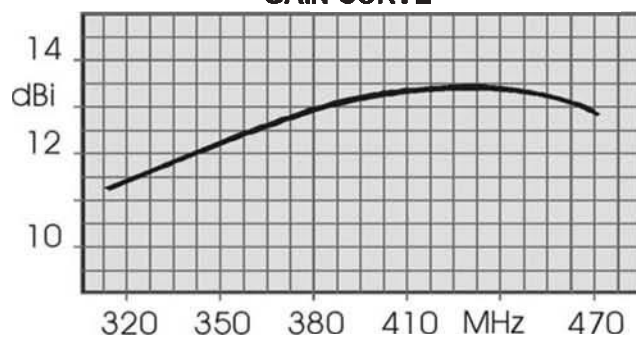


E - PLANE

VSWR CURVE



GAIN CURVE



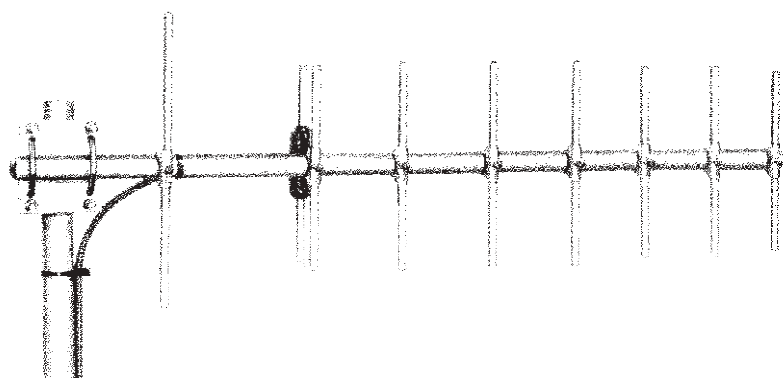
EIGHT ELEMENTS YAGI ANTENNA 345 ... 365 MHz

R-Y 810 NL

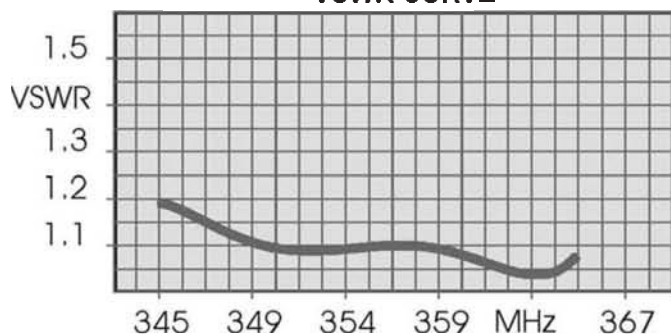
Light weight eight elements yagi antenna.
All parts of the antenna are grounded.
With DC grounded lightning protection

MAIN CHARACTERISTICS

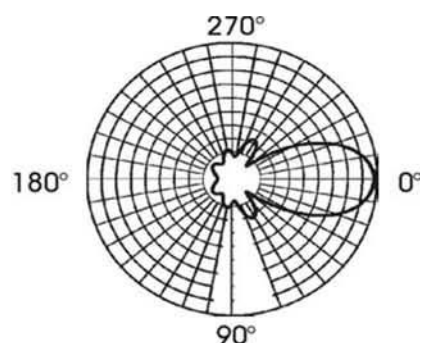
Frequency range	: 345 - 365 MHz
Input impedance	: 50 ohm
V.S.W.R.	: < 1:1.2
Beamwidth -3 dB	: 47° H-Plane - 42° E-Plane
Front to Back ratio	: > 20 dB
Maximum rated RF power	: 150 watt
Polarization	: Vertical or Horizontal
Gain	: 9 dBd
Type of connection	: N female
Mounting hole	: From 33 to 60 mm master tube
Boom material	: Aluminium alloy DIN 3.2315
Elements material	: Aluminium alloy DIN 3.2306
Wind resistance	: 160 km/h
Dimensions	: 460 x 1650 mm
Net weight	: abt. 2400 g
Working temperature	: From -35° to +80°



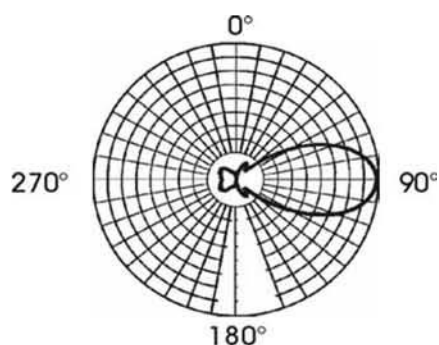
VSWR CURVE



RADIATION PATTERNS



H - PLANE

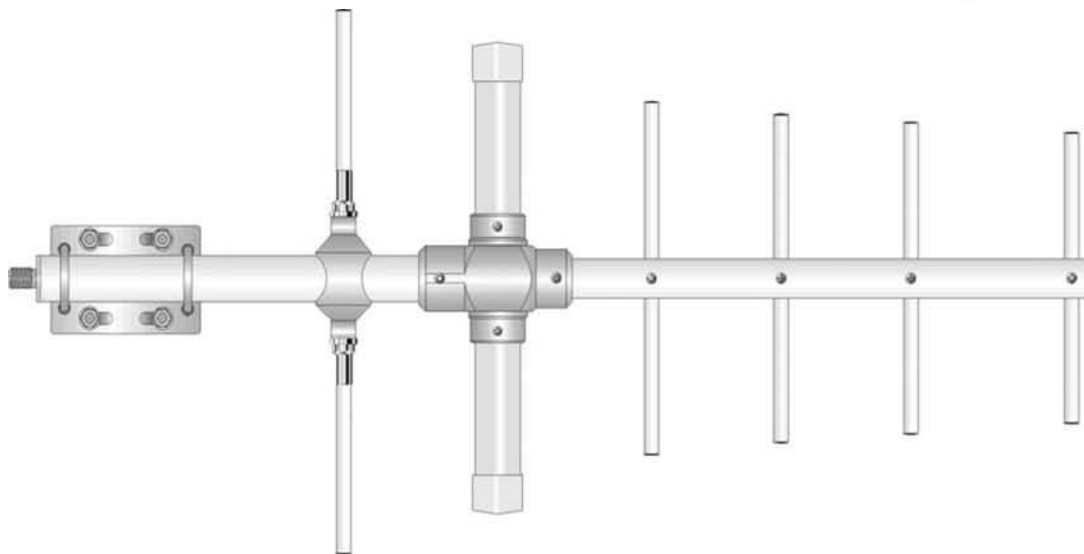
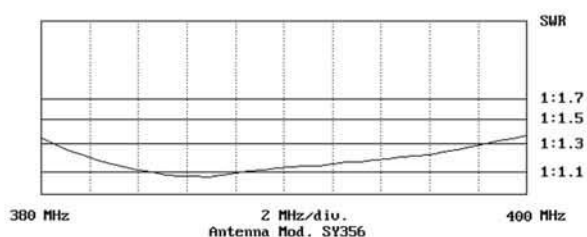


E - PLANE

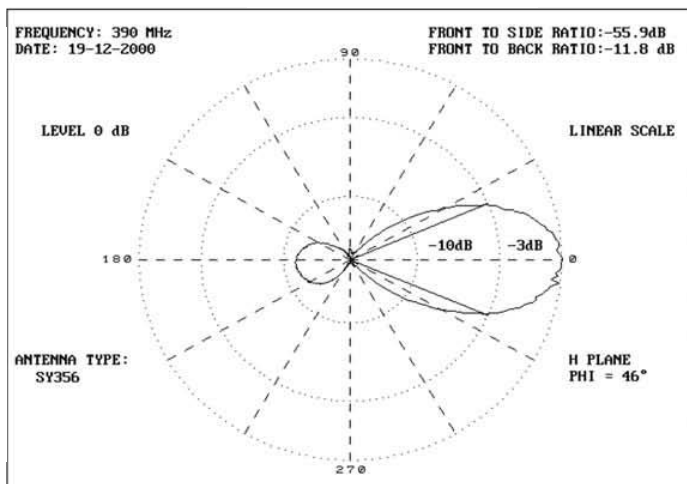
6 elements yagi antenna
Fiberglass covered radiator
Lightning protection

MAIN CHARACTERISTICS

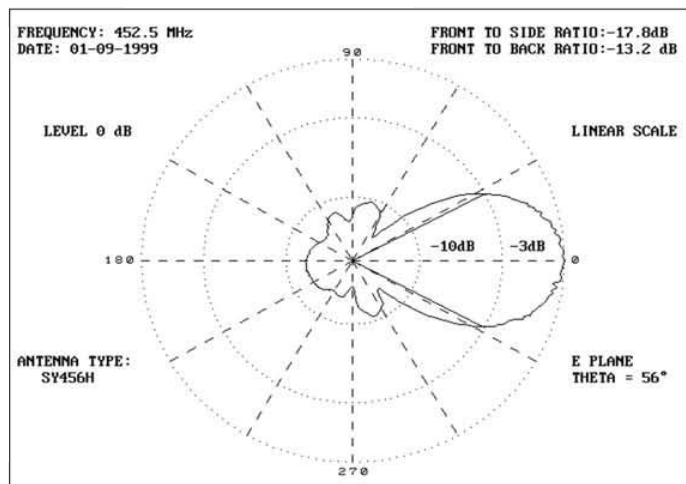
Type	: 6 el. yagi
Frequency range	: 380 - 400 MHz
Input impedance	: 50 ohm
V.S.W.R.	: < 1:1.5
Beamwidth -3 dB	: H plane 46° - E plane 56°
Maximum rated RF power	: 200 watt
Polarization	: Vertical or Horizontal
Gain	: 8 dBd
Type of connection	: N female
Mounting hole	: From 30 to 62 mm master tube
Boom material	: Anodized Aluminium
Elements material	: Anodized Aluminium
Wind resistance	: 120 Km/h.
Dimensions	: 1230 mm x 390 mm
Net weight	: 2370 g
Working temperature	: From -35° to + 60°



HORIZONTAL PATTERN



VERTICAL PATTERN



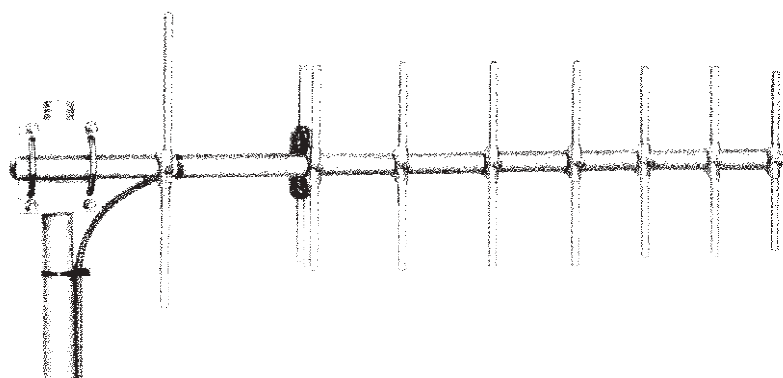
EIGHT ELEMENTS YAGI ANTENNA 380 ... 420 MHz

R-Y 811 NL

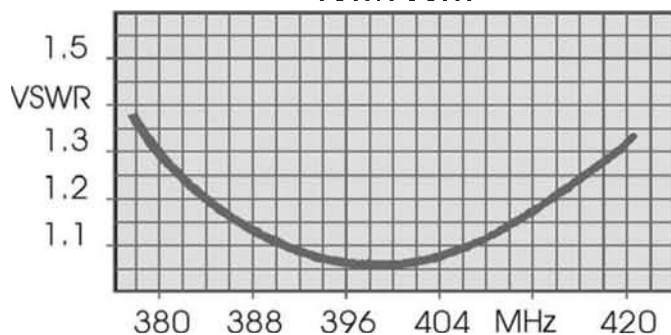
Light weight eight elements yagi antenna.
All parts of the antenna are grounded.
With DC grounded lightning protection

MAIN CHARACTERISTICS

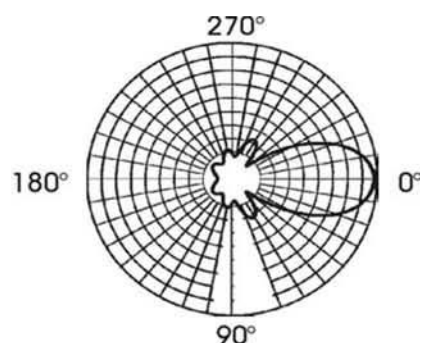
Frequency range	: 380 - 420 MHz
Input impedance	: 50 ohm
V.S.W.R.	: < 1:1.5
Beamwidth -3 dB	: 48° H-Plane - 42° E-Plane
Front to Back ratio	: > 18 dB
Maximum rated RF power	: 150 watt
Polarization	: Vertical or Horizontal
Gain	: 9 dBd
Type of connection	: N female
Mounting hole	: From 33 to 60 mm master tube
Boom material	: Aluminium alloy DIN 3.2315
Elements material	: Aluminium alloy DIN 3.2306
Wind resistance	: 160 km/h
Dimensions	: 405 x 1500 mm
Net weight	: abt. 3100 g
Working temperature	: From -35° to +80°



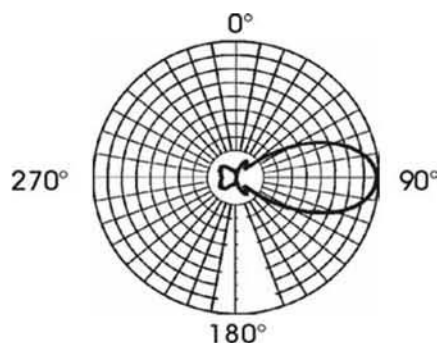
VSWR CURVE



RADIATION PATTERNS



H - PLANE



E - PLANE

DIRECTIONAL UHF BASE ANTENNA

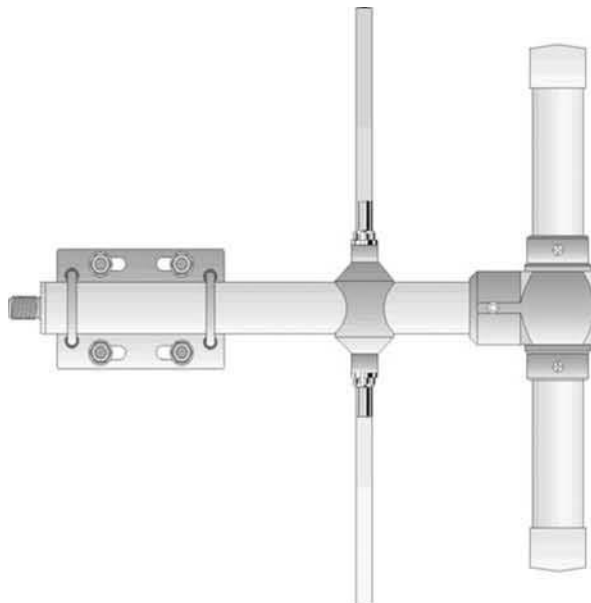
400 ... 435 MHz
435 ... 470 MHz

SY 452L
SY 452H

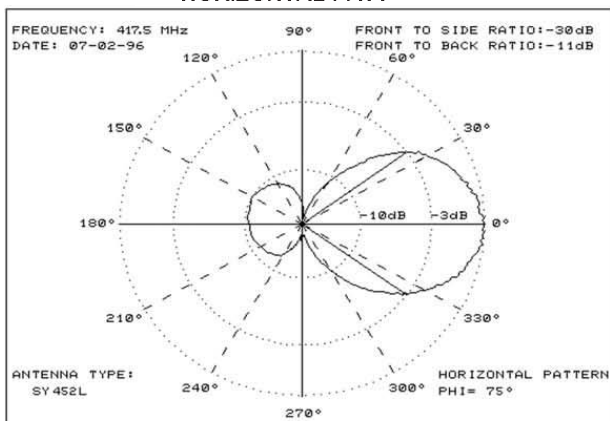
2 elements yagi antenna,
Fiberglass covered radiator.
Lightning protection.

MAIN CHARACTERISTICS

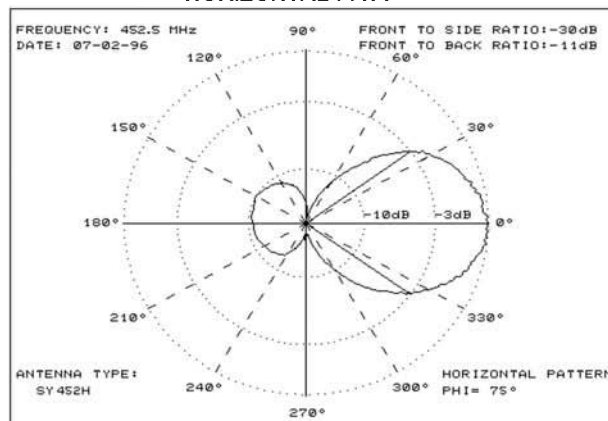
Type	: 2 el. Yagi
Frequency range	: 400 - 435 MHz (SY 452L)
Frequency range	: 435 - 470 MHz (SY 452H)
Input impedance	: 50 ohm
V.S.W.R.	: < 1:1.5
Beamwidth -3 dB	: H plane 75° - E plane 137°
Maximum rated RF power	: 200 watt
Polarization	: Vertical or Horizontal
Gain	: 3 dBd
Type of connection	: N female
Mounting hole	: From 30 to 62 mm master tube
Boom material	: Anodized Aluminium
Elements material	: Anodized Aluminium
Wind resistance	: 120 Km/h.
Dimensions	: 500 mm x 450 mm
Net weight	: 2000 g



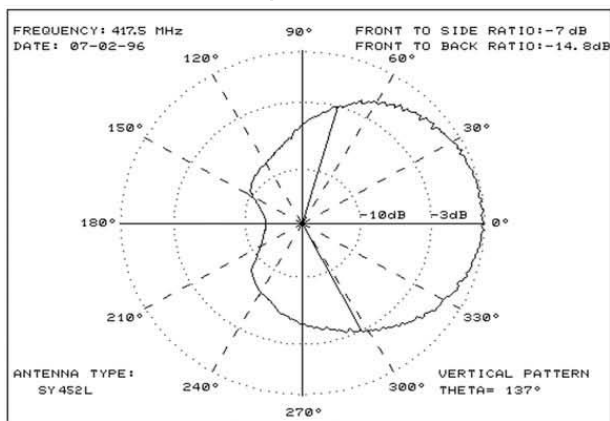
HORIZONTAL PATTERN



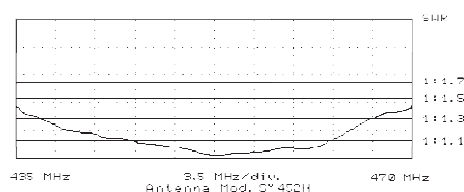
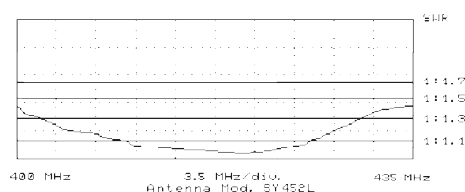
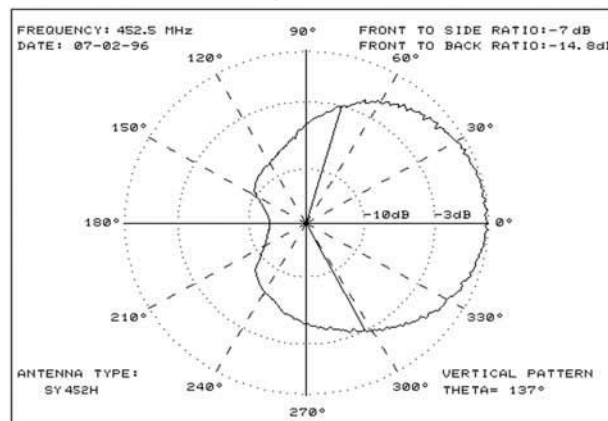
HORIZONTAL PATTERN



VERTICAL PATTERN



VERTICAL PATTERN



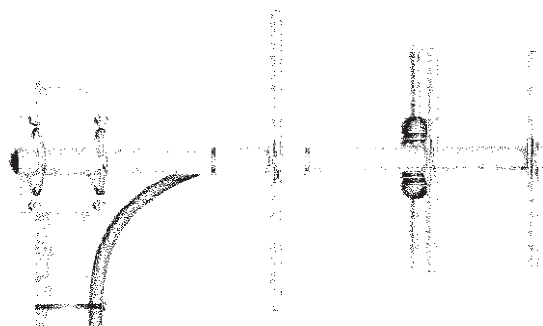
THREE ELEMENTS YAGI ANTENNA 400 ... 470 MHz

R-Y 310 NQ

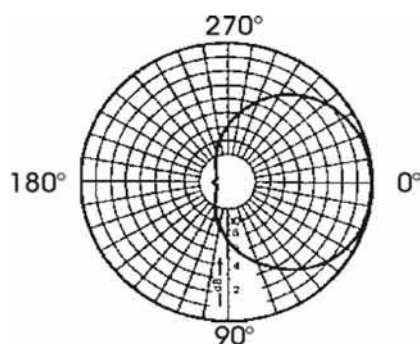
Light weight three elements yagi antenna.
All parts of the antenna are grounded.
With DC grounded lightning protection

MAIN CHARACTERISTICS

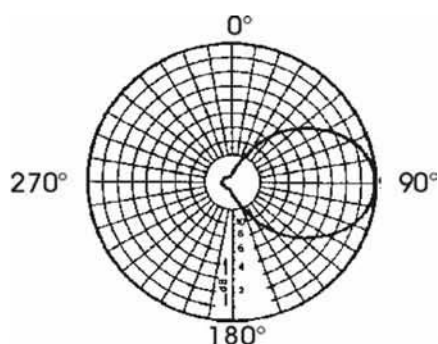
Frequency range	: 400 - 470 MHz
Input impedance	: 50 ohm
V.S.W.R.	: < 1:1.4
Beamwidth -3 dB	: 116° H-Plane - 68° E-Plane
Front to Back ratio	: > 16 dB
Maximum rated RF power	: 150 watt
Polarization	: Vertical or Horizontal
Gain	: 5 dBd
Type of connection	: N female
Mounting hole	: From 33 to 60 mm master tube
Boom material	: Aluminium alloy DIN 3.2315
Elements material	: Aluminium alloy DIN 3.2306
Wind resistance	: 160 km/h
Dimensions	: 360 x 615 mm
Net weight	: abt. 2000 g
Working temperature	: From -35° to +80°



RADIATION PATTERNS

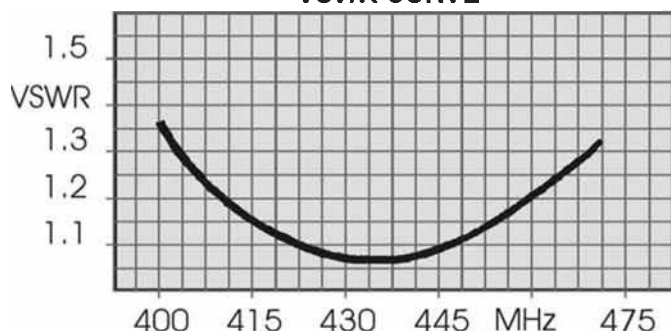


H - PLANE



E - PLANE

VSWR CURVE



DIRECTIONAL UHF BASE ANTENNA

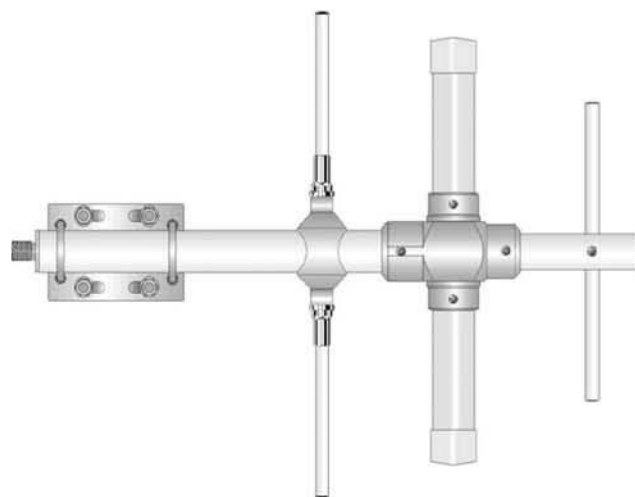
400 ... 435 MHz
435 ... 470 MHz

SY 453L
SY 453H

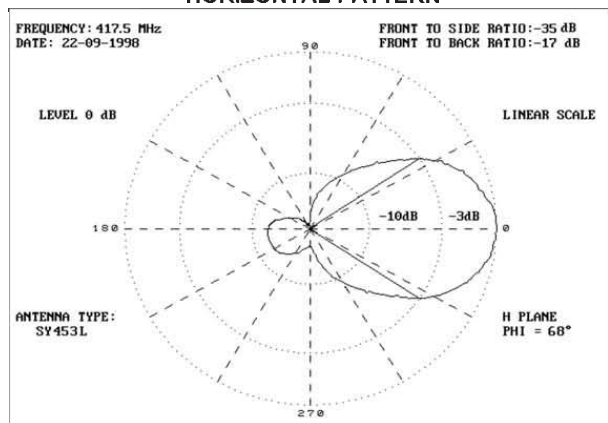
3 elements yagi antenna,
Fiberglass covered radiator.
Lightning protection.

MAIN CHARACTERISTICS

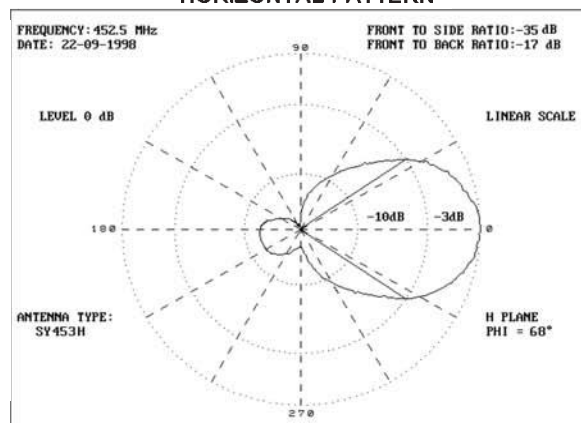
Type	: 3 el. Yagi
Frequency range	: 400 - 435 MHz (SY 453L)
Frequency range	: 435 - 470 MHz (SY 453H)
Input impedance	: 50 ohm
V.S.W.R.	: < 1:1.5
Beamwidth -3 dB	: Horizontal 68° - Vertical 140°
Maximum rated RF power	: 200 watt
Polarization	: Vertical or Horizontal
Gain	: 5.5 dBd
Type of connection	: 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	: 630 mm x 410 mm
Net weight	: 2000 g



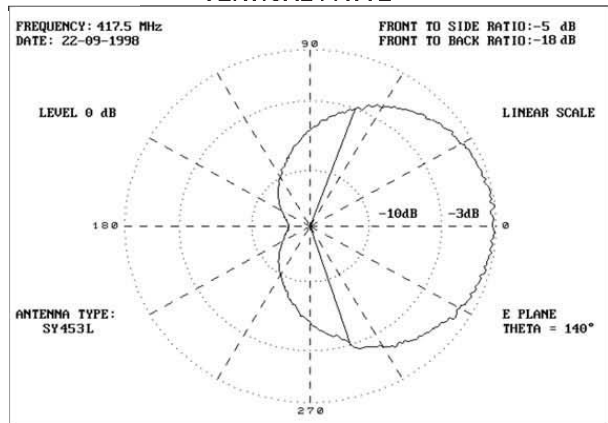
HORIZONTAL PATTERN



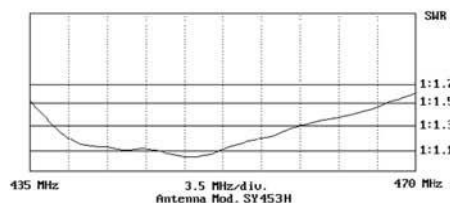
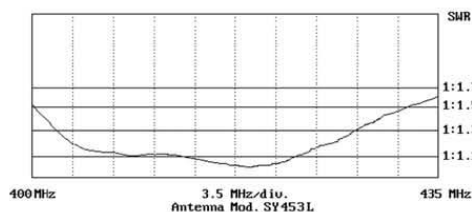
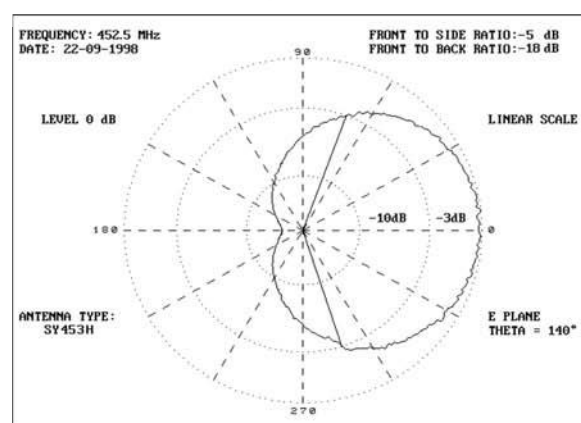
HORIZONTAL PATTERN



VERTICAL PATTERN



VERTICAL PATTERN



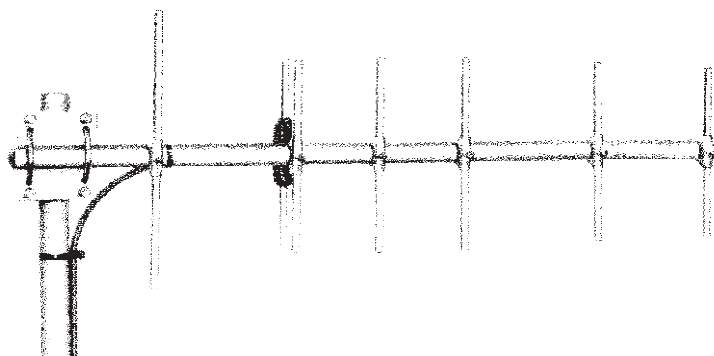
SIX ELEMENTS YAGI ANTENNA 400 ... 445 MHz

R-Y 611 NQ

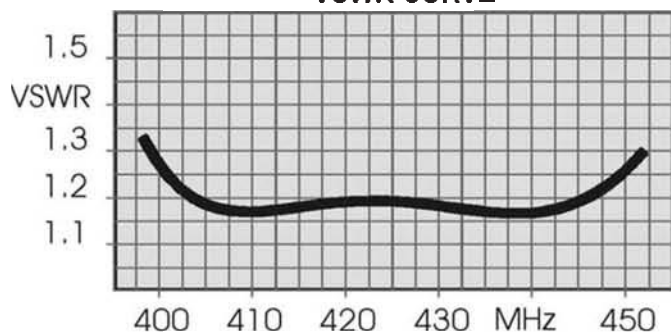
Light weight six elements yagi antenna.
All parts of the antenna are grounded.
With DC grounded lightning protection

MAIN CHARACTERISTICS

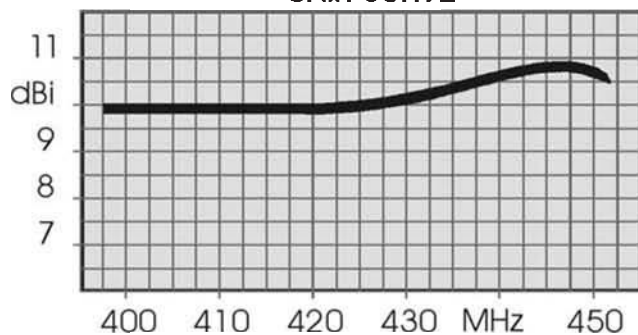
Frequency range	: 400 - 445 MHz
Input impedance	: 50 ohm
V.S.W.R.	: < 1:1.5
Beamwidth -3 dB	: 60° H-Plane - 50° E-Plane
Front to Back ratio	: > 15 dB
Maximum rated RF power	: 150 watt
Polarization	: Vertical or Horizontal
Gain	: > 8 dBd
Type of connection	: N female
Mounting hole	: From 33 to 60 mm master tube
Boom material	: Aluminium alloy DIN 3.2315
Elements material	: Aluminium alloy DIN 3.2306
Wind resistance	: 160 km/h
Dimension	: 380 x 1215 mm
Net weight	: abt. 2700 g
Working temperature	: From -35° to +80°



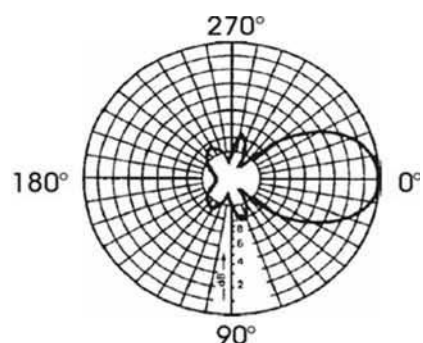
VSWR CURVE



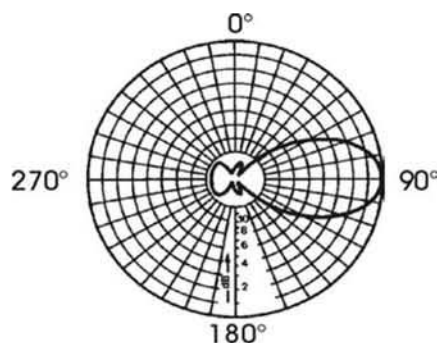
GAIN CURVE



RADIATION PATTERNS



H - PLANE



E - PLANE

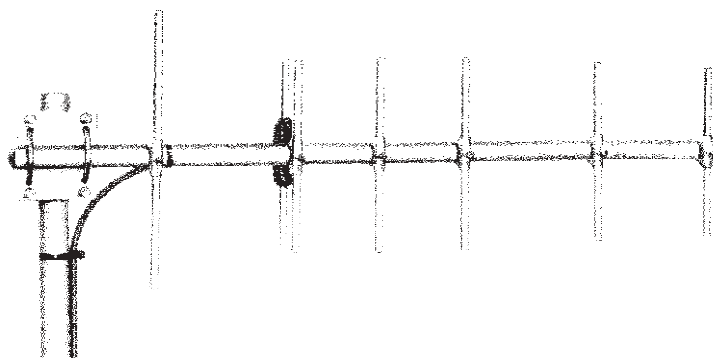
SIX ELEMENTS YAGI ANTENNA 400 ... 430 MHz

R-Y 613 NQ

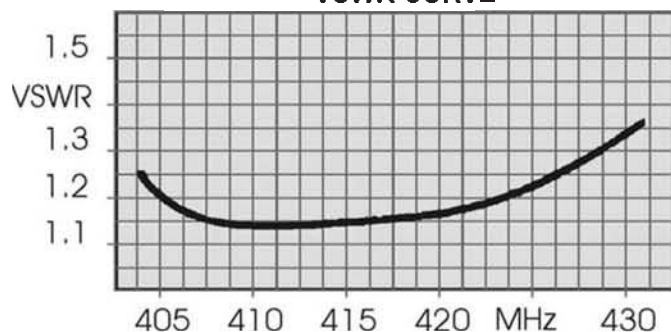
Light weight six elements yagi antenna.
All parts of the antenna are grounded.
With DC grounded lightning protection

MAIN CHARACTERISTICS

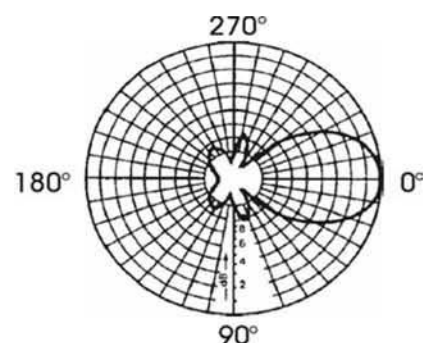
Frequency range	: 400 - 430 MHz
Input impedance	: 50 ohm
V.S.W.R.	: < 1:1.5
Beamwidth -3 dB	: 60° H-Plane - 50° E-Plane
Front to Back ratio	: > 15 dB
Maximum rated RF power	: 150 watt
Polarization	: Vertical or Horizontal
Gain	: 9.5 dBd
Type of connection	: N female
Mounting hole	: From 33 to 60 mm master tube
Boom material	: Aluminium alloy DIN 3.2315
Elements material	: Aluminium alloy DIN 3.2306
Wind resistance	: 160 km/h
Dimensions	: 370 x 1400 mm
Net weight	: abt. 2800 g
Working temperature	: From -35° to +80°



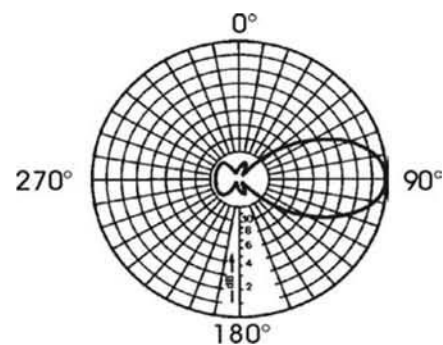
VSWR CURVE



RADIATION PATTERNS



H - PLANE

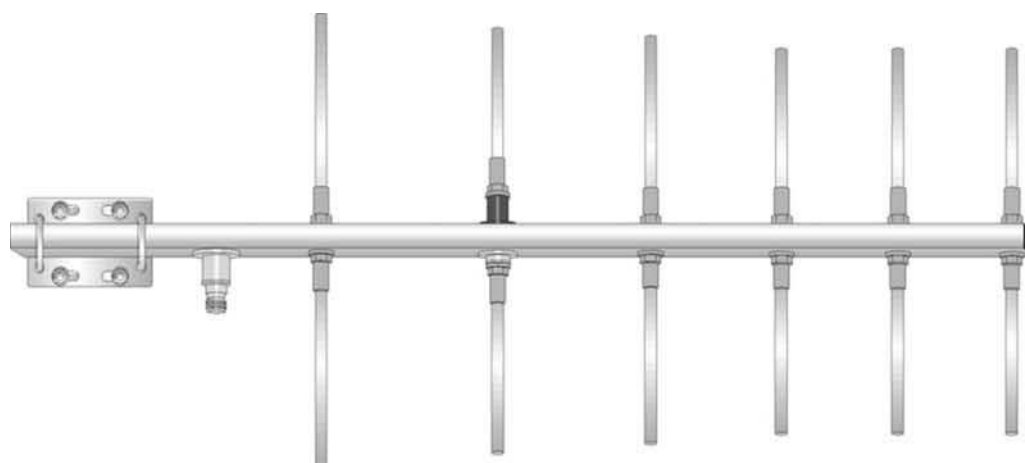
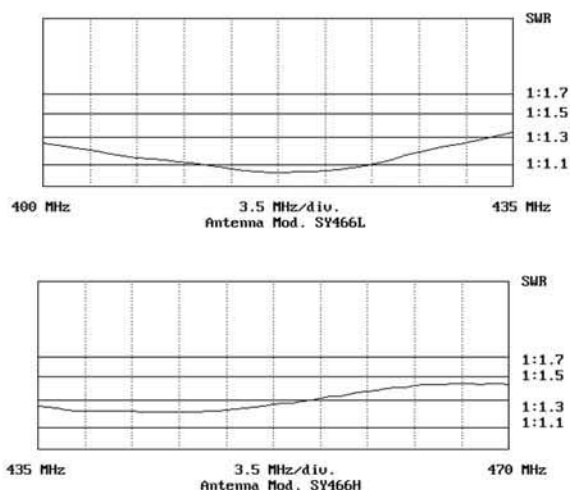


E - PLANE

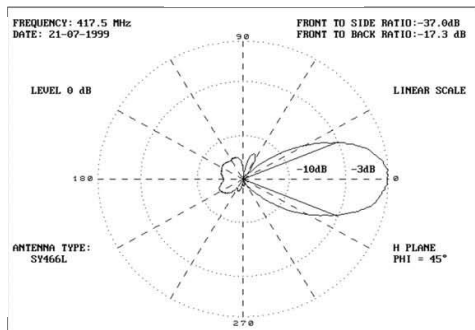
6 elements yagi antenna,
Lightning protection.

MAIN CHARACTERISTICS

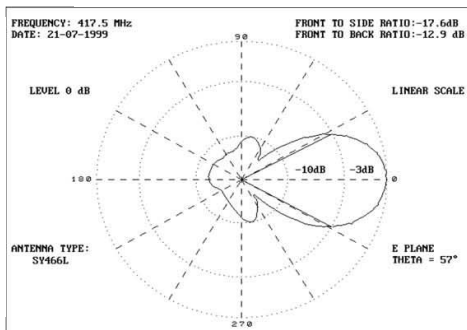
Type	: 6 el. Yagi
Frequency range	: 400 - 435 MHz (SY 466L)
Frequency range	: 435 - 470 MHz (SY 466H)
Input impedance	: 50 ohm
V.S.W.R.	: < 1:1.5
Beamwidth -3 dB	: Horizontal 45° - Vertical 59°
Maximum rated RF power	: 200 watt
Polarization	: Vertical or Horizontal
Gain	: 8 dBd
Type of connection	: N female
Mounting hole	: From 30 to 62 mm master tube
Boom material	: Anticorodal
Elements material	: Anticorodal
Wind resistance	: 120 Km/h.
Dimensions	: 1165 mm x 395 mm
Net weight	: 2300 g



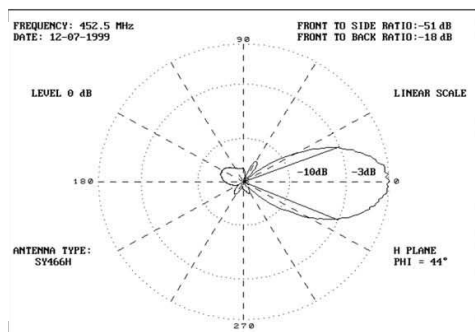
HORIZONTAL PATTERN



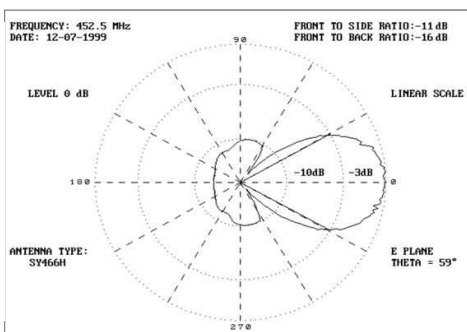
VERTICAL PATTERN



HORIZONTAL PATTERN



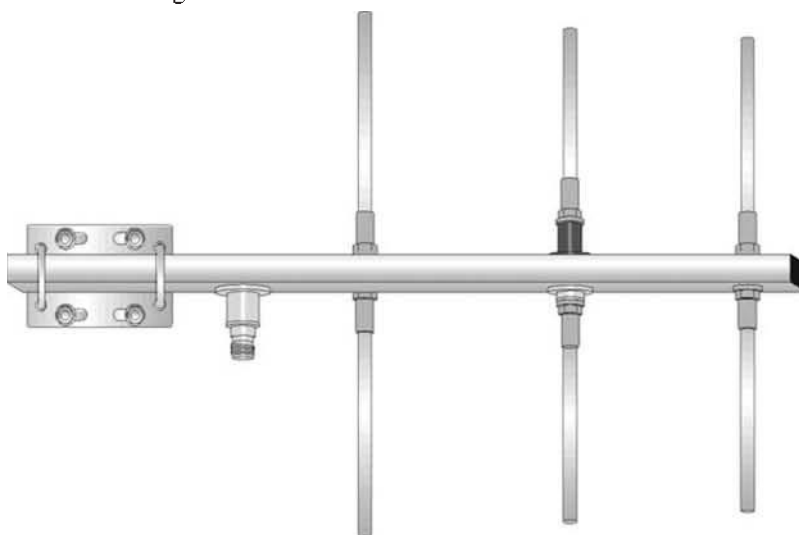
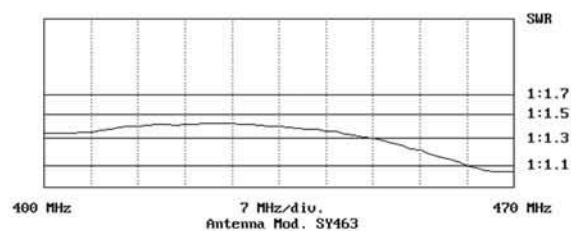
VERTICAL PATTERN



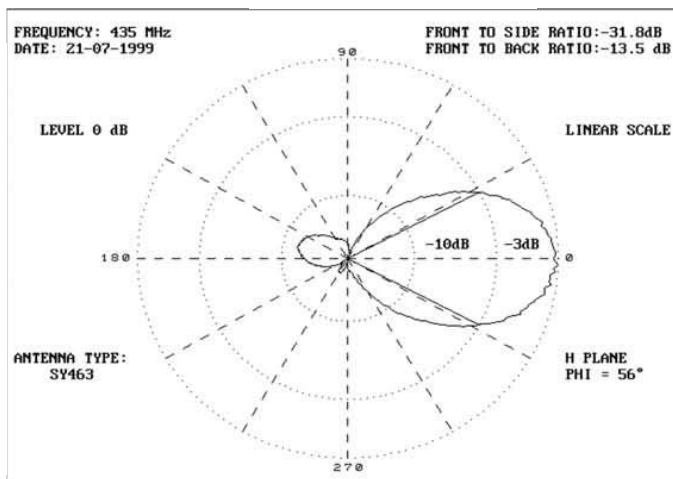
3 elements yagi antenna,
Lightning protection.

MAIN CHARACTERISTICS

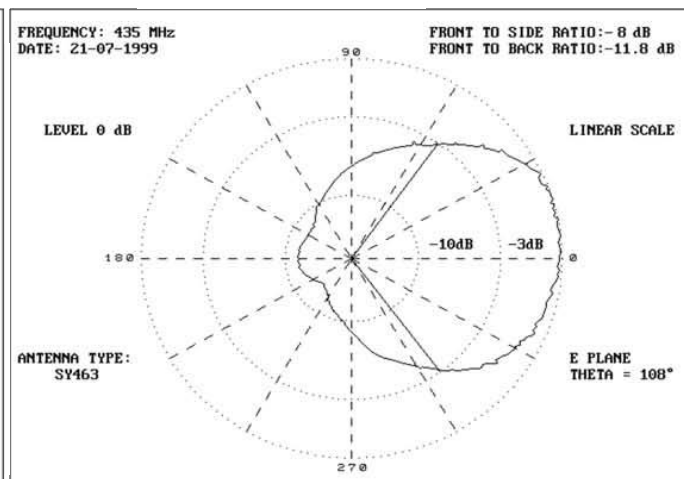
Type	: 3 el. Yagi
Frequency range	: 400 - 470 MHz
Input impedance	: 50 ohm
V.S.W.R.	: < 1:1.5
Beamwidth -3 dB	: Horizontal 56° - Vertical 108°
Maximum rated RF power	: 200 watt
Polarization	: Vertical or Horizontal
Gain	: 5.5 dBd
Type of connection	: N female
Mounting hole	: From 30 to 62 mm master tube
Boom material	: Anticorodal
Elements material	: Anticorodal
Wind resistance	: 120 Km/h.
Dimensions	: 740 mm x 380 mm
Net weight	: 1800 g



HORIZONTAL PATTERN



VERTICAL PATTERN



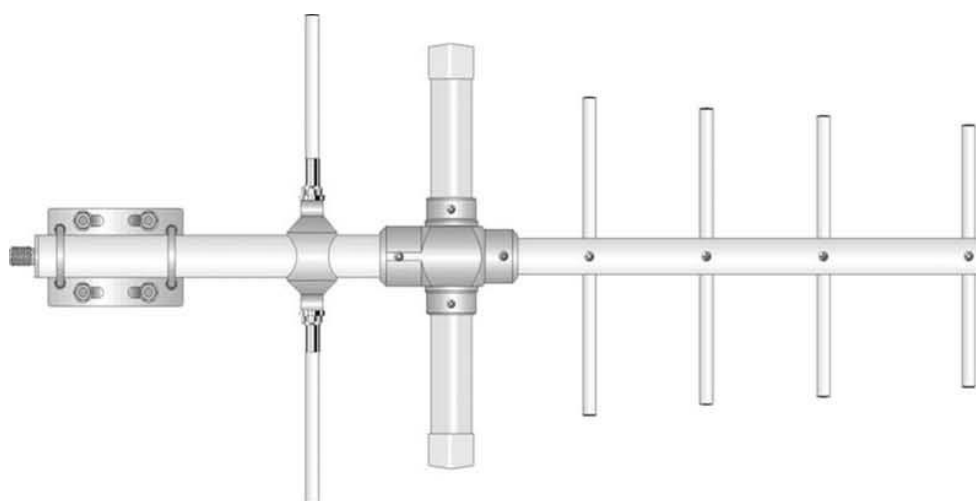
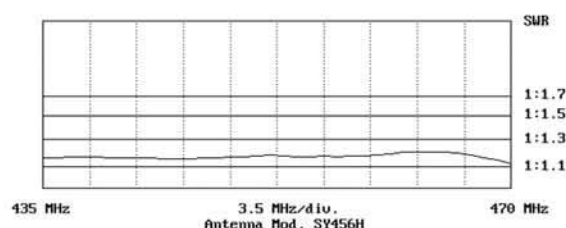
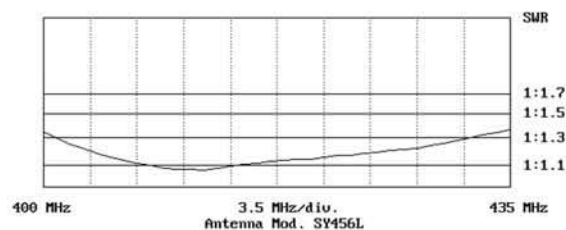
DIRECTIONAL UHF BASE ANTENNA 400 ... 435 MHz 435 ... 470 MHz

SY 456L
SY 456H

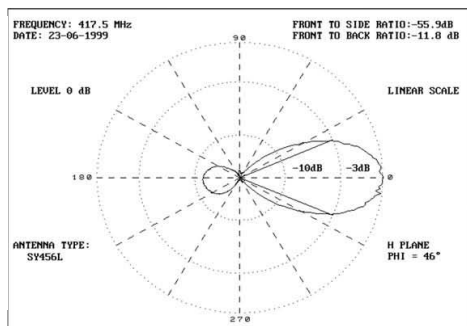
6 elements yagi antenna,
Fiberglass covered radiator.
Lightning protection.

MAIN CHARACTERISTICS

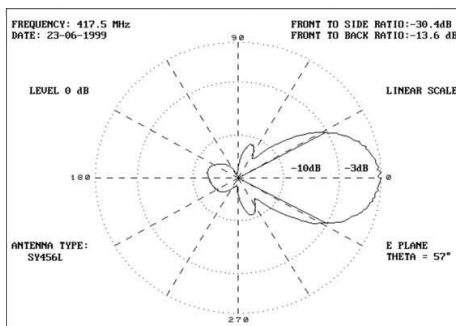
Type	: 6 el. Yagi
Frequency range	: 400 - 435 MHz (SY 456L)
Frequency range	: 435 - 470 MHz (SY 456H)
Input impedance	: 50 ohm
V.S.W.R.	: < 1:1.5
Beamwidth -3 dB	: Horizontal 46° - Vertical 57°
Maximum rated RF power	: 200 watt
Polarization	: Vertical or Horizontal
Gain	: 8 dBd
Type of connection	: N female
Mounting hole	: From 30 to 62 mm master tube
Boom material	: Anodized Aluminium
Elements material	: Anodized Aluminium
Wind resistance	: 120 Km/h.
Dimensions	: 1170 mm x 380 mm
Net weight	: 2350 g



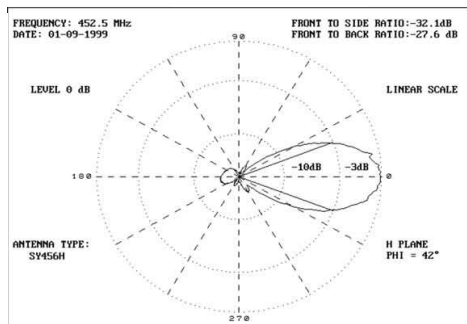
HORIZONTAL PATTERN



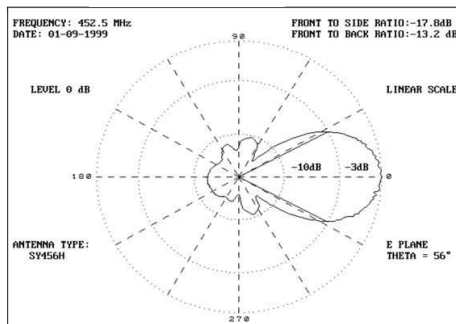
VERTICAL PATTERN



HORIZONTAL PATTERN



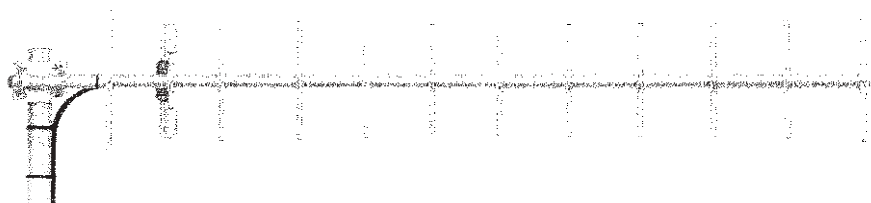
VERTICAL PATTERN



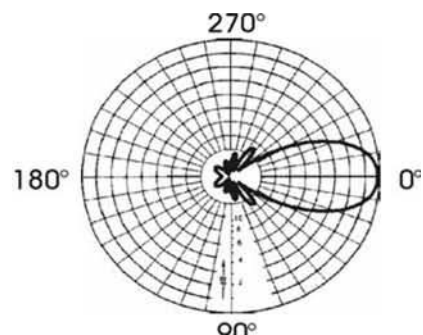
Light weight twelve elements yagi antenna.
All parts of the antenna are grounded.
With DC grounded lightning protection

MAIN CHARACTERISTICS

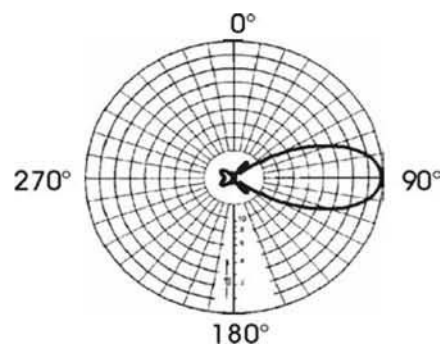
Frequency range	: 400 - 470 MHz
Input impedance	: 50 ohm
V.S.W.R.	: < 1:1.2
Beamwidth -3 dB	: 42° H-Plane - 40° E-Plane
Front to Back ratio	: > 22 dB
Maximum rated RF power	: 150 watt
Polarization	: Vertical or Horizontal
Gain	: 11 dBd
Type of connection	: N female
Mounting hole	: From 30 to 60 mm master tube
Boom material	: Aluminium alloy DIN 3.2315
Elements material	: Aluminium alloy DIN 3.2306
Wind resistance	: 160 km/h
Dimensions	: 360 x 1815 mm
Net weight	: abt. 3900 g
Working temperature	: From -35° to +80°



RADIATION PATTERNS

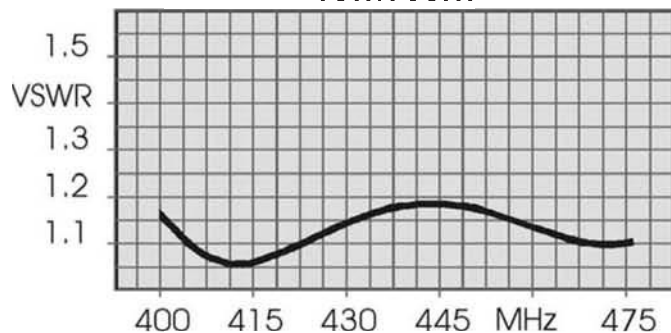


H - PLANE



E - PLANE

VSWR CURVE



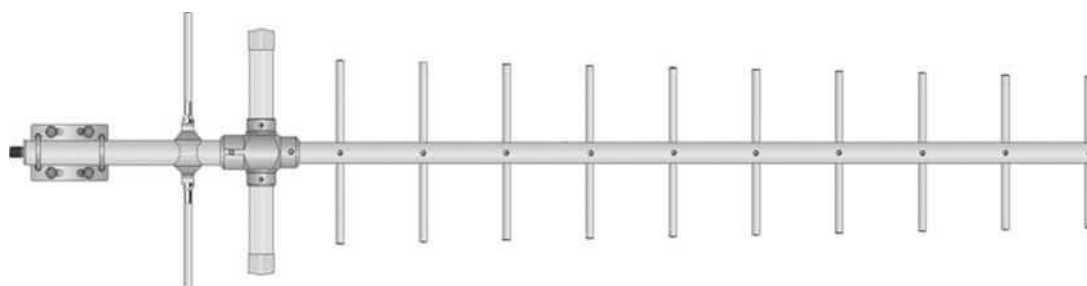
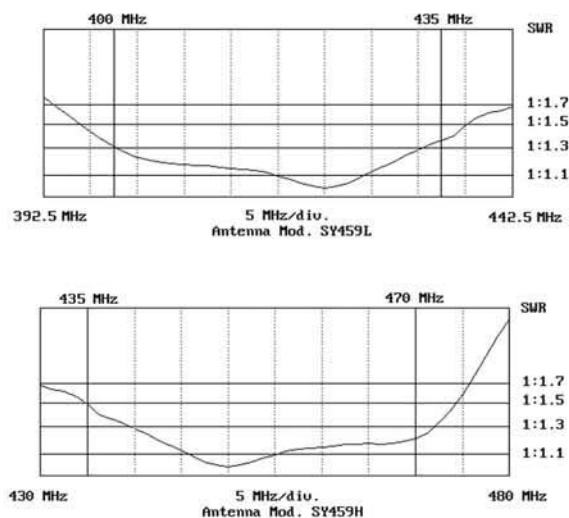
DIRECTIONAL UHF BASE ANTENNA 400 ... 435 MHz 435 ... 470 MHz

12 elements yagi antenna,
fibreglass covered radiator.
Lightning protection.

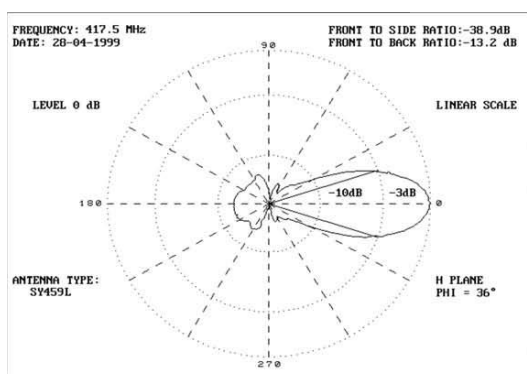
SY 459L SY 459H

MAIN CHARACTERISTICS

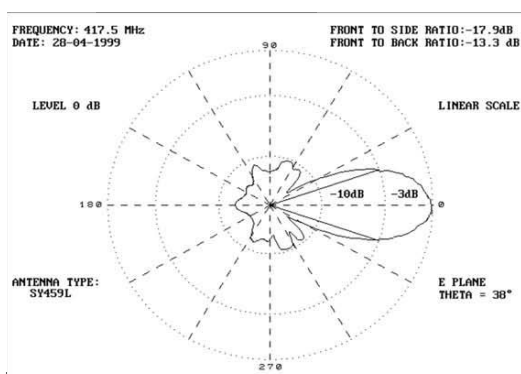
Type	: 12 el. Yagi
Frequency range	: 400 - 435 MHz (SY 459L)
Frequency range	: 435 - 470 MHz (SY 459H)
Input impedance	: 50 ohm
V.S.W.R.	: < 1:1.5
Beamwidth -3 dB	: Horizontal 36° - Vertical 38°
Maximum rated RF power	: 200 watt
Polarization	: Vertical or Horizontal
Gain	: 11 dBd
Type of connection	: 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	: 410 mm x 2200 mm
Net weight	: 3600 g



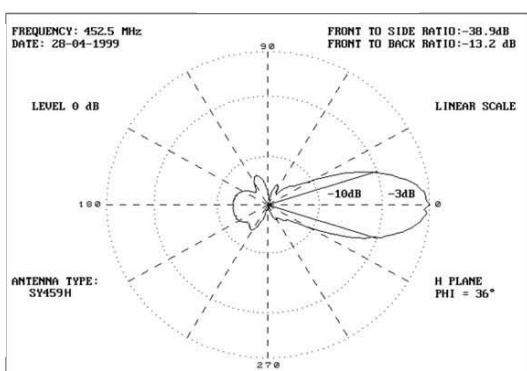
HORIZONTAL PATTERN



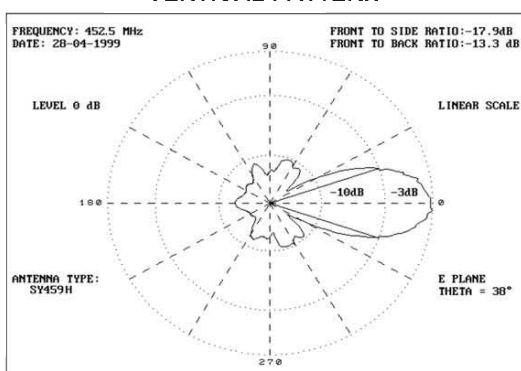
VERTICAL PATTERN



HORIZONTAL PATTERN



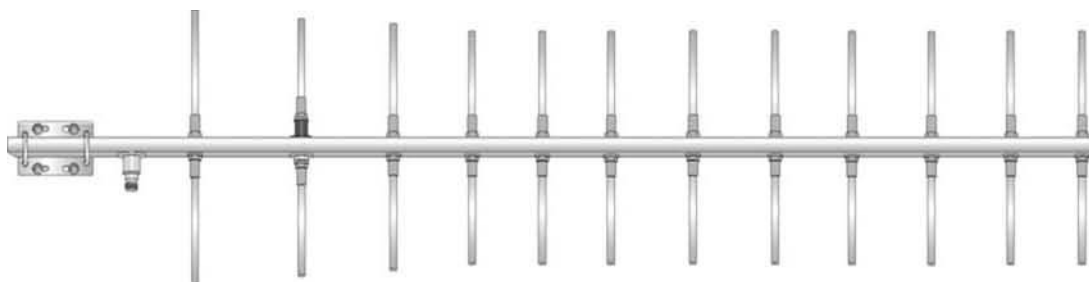
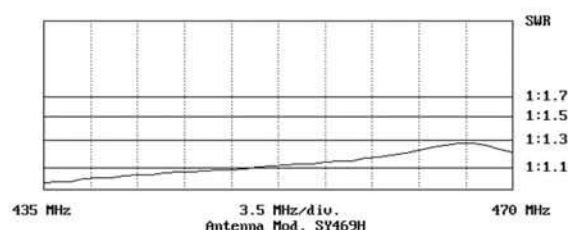
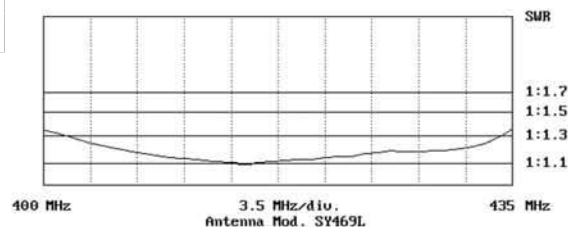
VERTICAL PATTERN



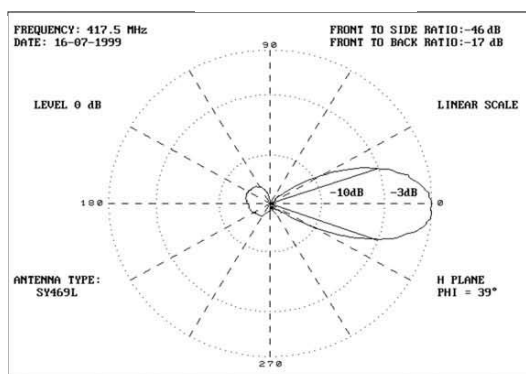
12 elements yagi antenna,
Lightning protection.

MAIN CHARACTERISTICS

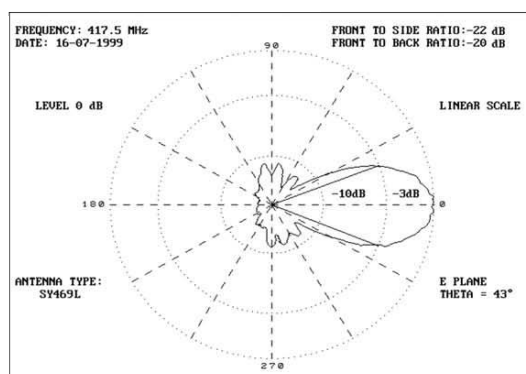
Type	: 12 el. Yagi
Frequency range	: 400 - 435 MHz (SY 469L)
Frequency range	: 435 - 470 MHz (SY 469H)
Input impedance	: 50 ohm
V.S.W.R.	: < 1:1.5
Beamwidth -3 dB	: Horizontal 39° - Vertical 43°
Maximum rated RF power	: 200 watt
Polarization	: Vertical or Horizontal
Gain	: 11 dBd
Type of connection	: N female
Mounting hole	: From 30 to 62 mm master tube
Boom material	: Anticorodal
Elements material	: Anticorodal
Wind resistance	: 120 Km/h.
Dimensions	: 2030 mm x 362 mm
Net weight	: 3300 g



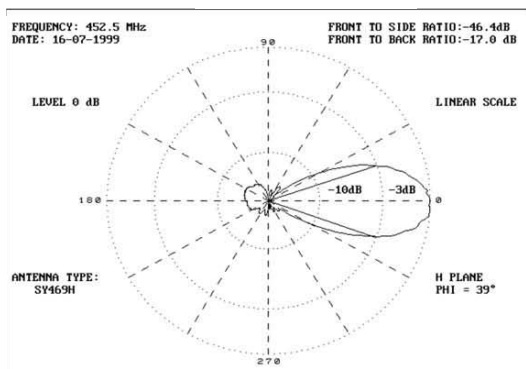
HORIZONTAL PATTERN



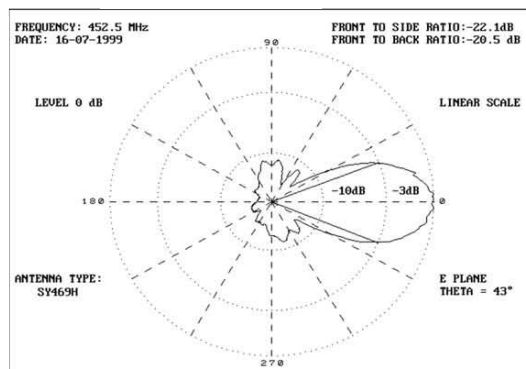
VERTICAL PATTERN



HORIZONTAL PATTERN



VERTICAL PATTERN



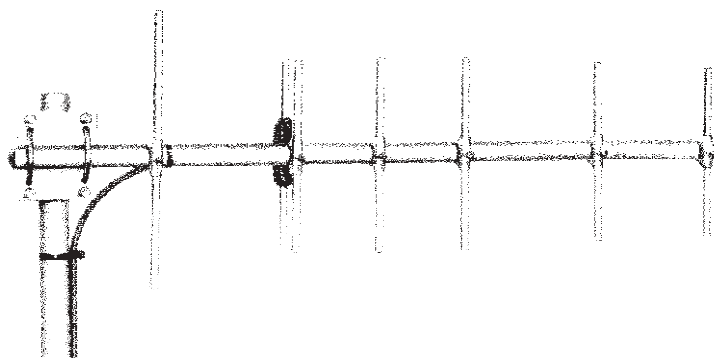
SIX ELEMENTS YAGI ANTENNA 435 ... 470 MHz

R-Y 611 NZ

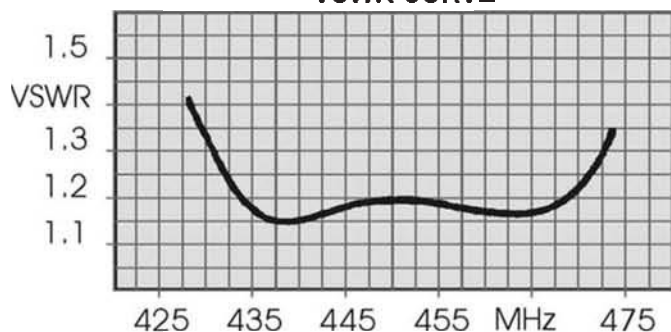
Light weight six elements yagi antenna.
All parts of the antenna are grounded.
With DC grounded lightning protection

MAIN CHARACTERISTICS

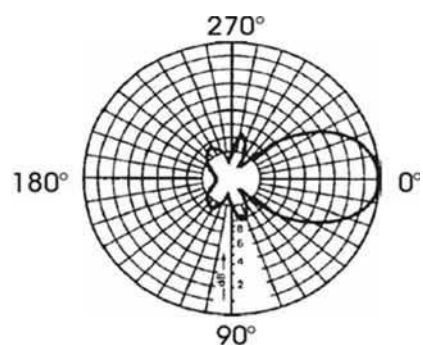
Frequency range	: 435 - 470 MHz
Input impedance	: 50 ohm
V.S.W.R.	: < 1:1.5
Beamwidth -3 dB	: 60° H-Plane - 50° E-Plane
Front to Back ratio	: > 15 dB
Maximum rated RF power	: 150 watt
Polarization	: Vertical or Horizontal
Gain	: 8 dBd
Type of connection	: N female
Mounting hole	: From 33 to 60 mm master tube
Boom material	: Aluminium alloy DIN 3.2315
Elements material	: Aluminium alloy DIN 3.2306
Wind resistance	: 160 km/h
Dimensions	: 360 x 1015 mm
Net weight	: abt. 2600 g
Working temperature	: From -35° to +80°



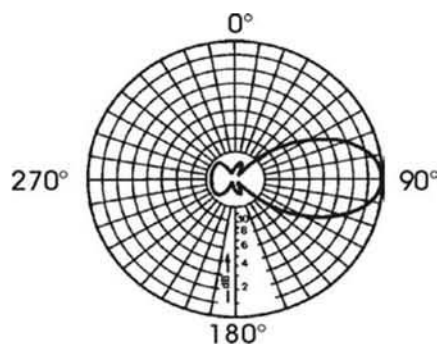
VSWR CURVE



RADIATION PATTERNS



H - PLANE



E - PLANE

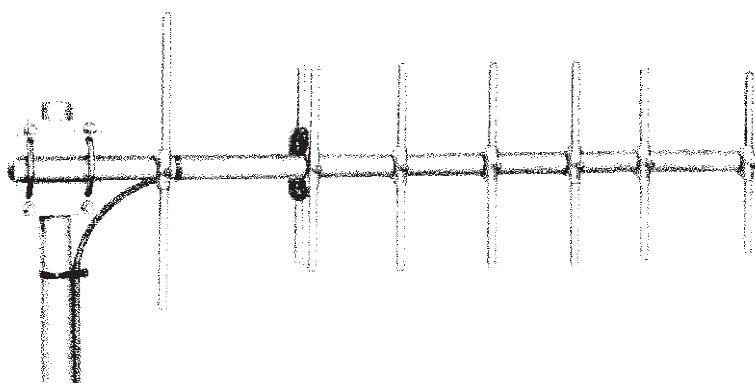
SEVEN ELEMENTS YAGI ANTENNA 450 ... 470 MHz

R-Y 710 NZ

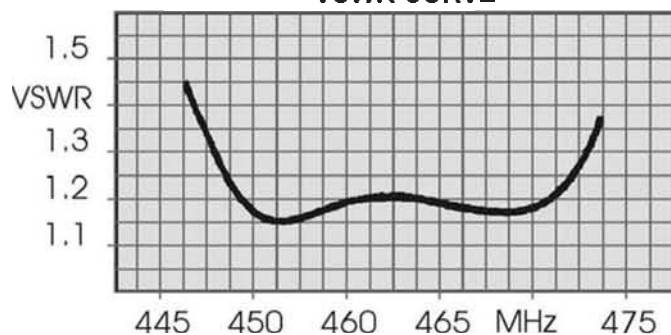
Light weight seven elements yagi antenna.
All parts of the antenna are grounded.
With DC grounded lightning protection

MAIN CHARACTERISTICS

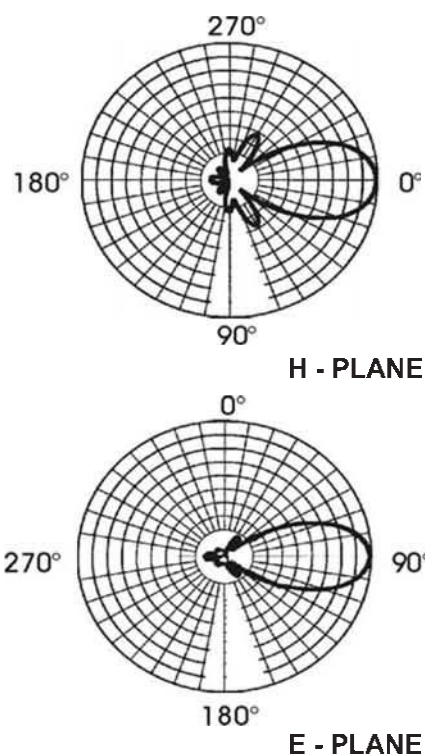
Frequency range	: 450 - 470 MHz
Input impedance	: 50 ohm
V.S.W.R.	: < 1:1.5
Beamwidth -3 dB	: 42° H-Plane - 38° E-Plane
Front to Back ratio	: > 15 dB
Maximum rated RF power	: 150 watt
Polarization	: Vertical or Horizontal
Gain	: 8 dBd
Type of connection	: N female
Mounting hole	: From 33 to 60 mm master tube
Boom material	: Aluminium alloy DIN 3.2315
Elements material	: Aluminium alloy DIN 3.2306
Wind resistance	: 160 km/h
Dimensions	: 330 x 1500 mm
Net weight	: abt. 2900 g
Working temperature	: From -35° to +80°



VSWR CURVE



RADIATION PATTERNS



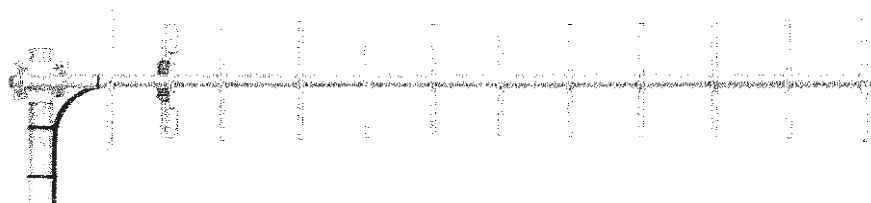
TWELVE ELEMENTS YAGI ANTENNA 450 ... 470 MHz

R1Y 210 NZ

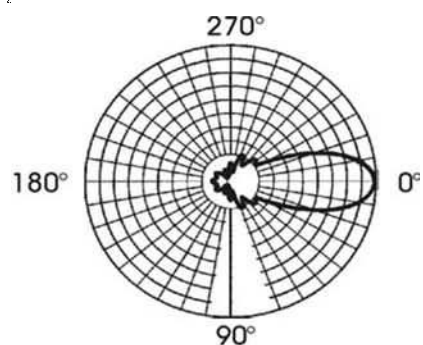
Light weight twelve elements yagi antenna.
All parts of the antenna are grounded.
With DC grounded lightning protection

MAIN CHARACTERISTICS

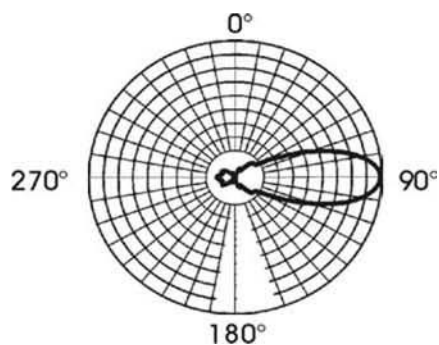
Frequency range	: 450 - 470 MHz
Input impedance	: 50 ohm
V.S.W.R.	: < 1:1.4
Beamwidth -3 dB	: 40° H-Plane - 38° E-Plane
Front to Back ratio	: > 18 dB
Maximum rated RF power	: 150 watt
Polarization	: Vertical or Horizontal
Gain	: 13.5 dBd
Type of connection	: N female
Mounting hole	: From 33 to 60 mm master tube
Boom material	: Aluminium alloy DIN 3.2315
Elements material	: Aluminium alloy DIN 3.2306
Wind resistance	: 160 km/h
Dimensions	: 325 x 1815 mm
Net weight	: abt. 3900 g
Working temperature	: From -35° to +80°



RADIATION PATTERNS



H - PLANE



E - PLANE

VSWR CURVE

