

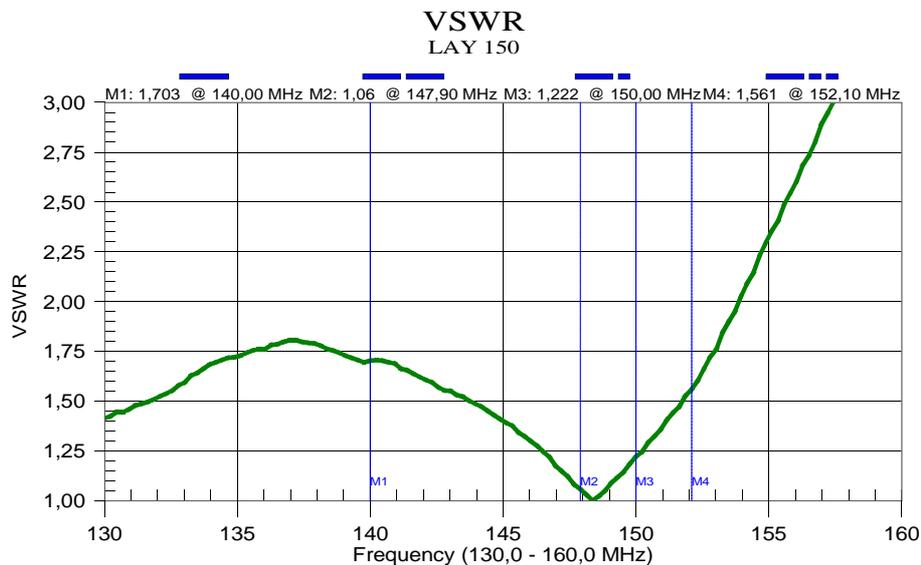
Directional antenna

LAY 150



A typical 11-element Yagi antenna matching with a loop. A duraluminium construction may be fold out to transport. All screw connections are made of stainless steel, a PA7 alloy ensures required stiffness. A practical mounting enables install at vertical and horizontal polarization. Dimensions of antenna were optimized with a special consideration of wide bandwidth and keeping a high gain. The antenna may be produced for another frequency from the range 140 – 460 MHz .

ELECTRICAL	
Gain (ref. to $\lambda/2$ dipole)	12 dB
Radiation pattern	Directional
Impedance	50 Ω
Antenna type	YAGI
VSWR	$\leq 1,25$
Maximum power	250 W
Bandwidth	144-150 MHz
Horizontal radiation pattern code (H-plane)	020EB10 (CEPT Recommendation T/R 25-08)
Vertical radiation pattern code (E-plane)	016EB10 (CEPT Recommendation T/R 25-08)
MECHANICAL	
Connector	UC1, N, 7/16
Material	Aluminium PA7, stainless steel
Polarization	Horizontal/Vertical
Diameter of mounting mast	40-80 mm
Weight	10,5 kg
Lightning protection	galvanic at the antenna corpus
Total length	2300,00 mm
Warranty period	2 years
Packaging	Carton box
Wind speed	45 m/s
CLIMATIC CONDITIONS	
Temperature range	-40°C ÷ +70°C
Humidity	$\leq 100\%$ at +40°C

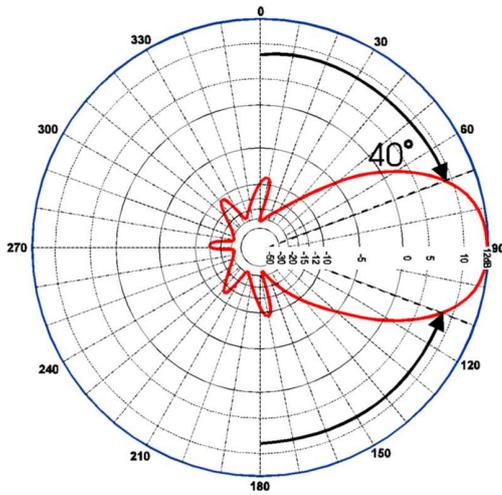


Resolution: 130
Date:
Model: S331A

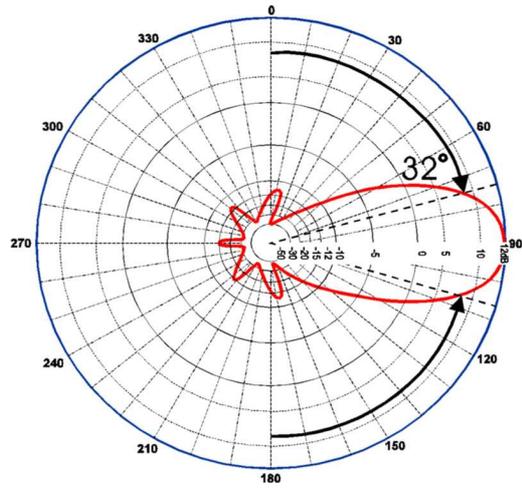
CAL:ON(COAX)
Time:
Serial #: 00036029

CW: OFF
Smoothing: 0

VSWR measuring in free



Horizontal radiation pattern



Vertical radiation pattern



Mounting details



P.U.P. Net-Com

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