

YAGI-170

Yagi-Uda Antenna | 160-180 MHz

Antenna & Microwave Lab., Shahrood University of Technology

ELECTRICAL DATA

Type	6 elements Yagi
Frequency range	160 - 180 MHz
Input Impedance	50 Ω
Polarization	Linear (Vertical or Horizontal)
Half Power Beamwidth (Horizontal)	85 @ 145 MHz
Half Power Beamwidth (Vertical)	60 @ 145 MHz
Max Gain	11 dBi
Front to Back ratio	≥ 16 dB
VSWR	≤ 2
Max Power	≤ 150 watts
Cable Type	RG 213
Connector	PL-female

MECHANICAL DATA

Elements & boom Material	Aluminum
Weight	2 Kg
Overall length	200 Cm
Overall height	110 Cm
Wind rating	150 Km/h
Operating temperature	-35 to +60 Degrees Celsius
Coating (color)	Anodized (Silver or black)
Lightning protection	All metal parts DC grounded

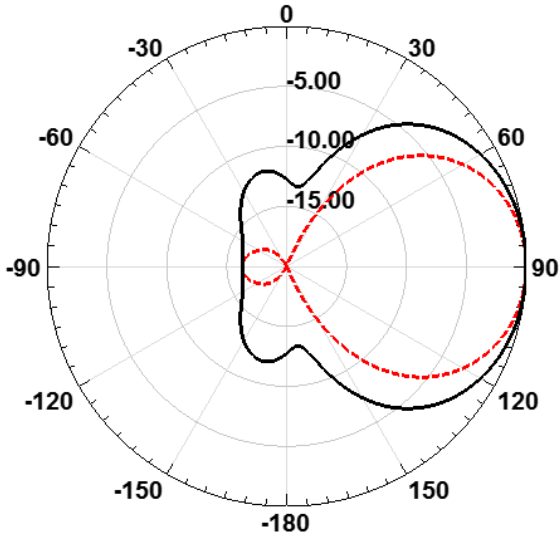
ADDRESS: ANTENNA & MICROWAVE LAB. , SHAHROOD UNIVERSITY OF TECHNOLOGY, SHAHROOD, IRAN.
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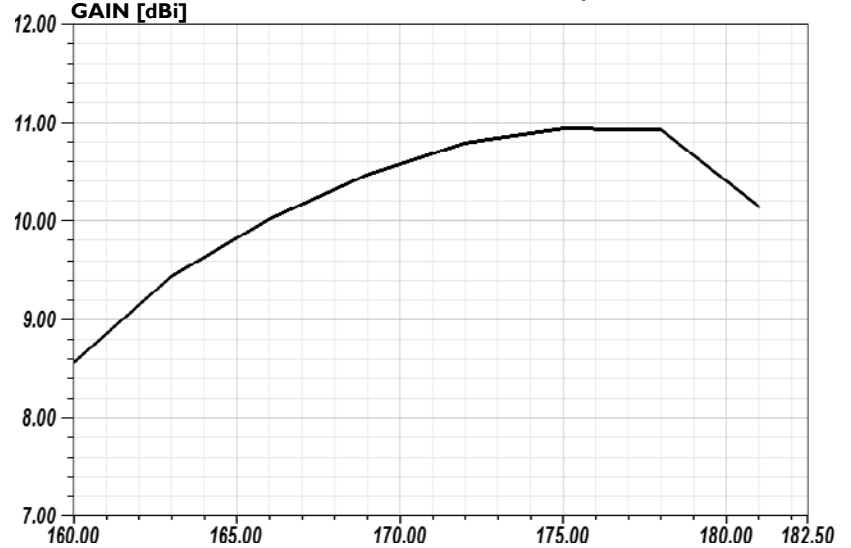
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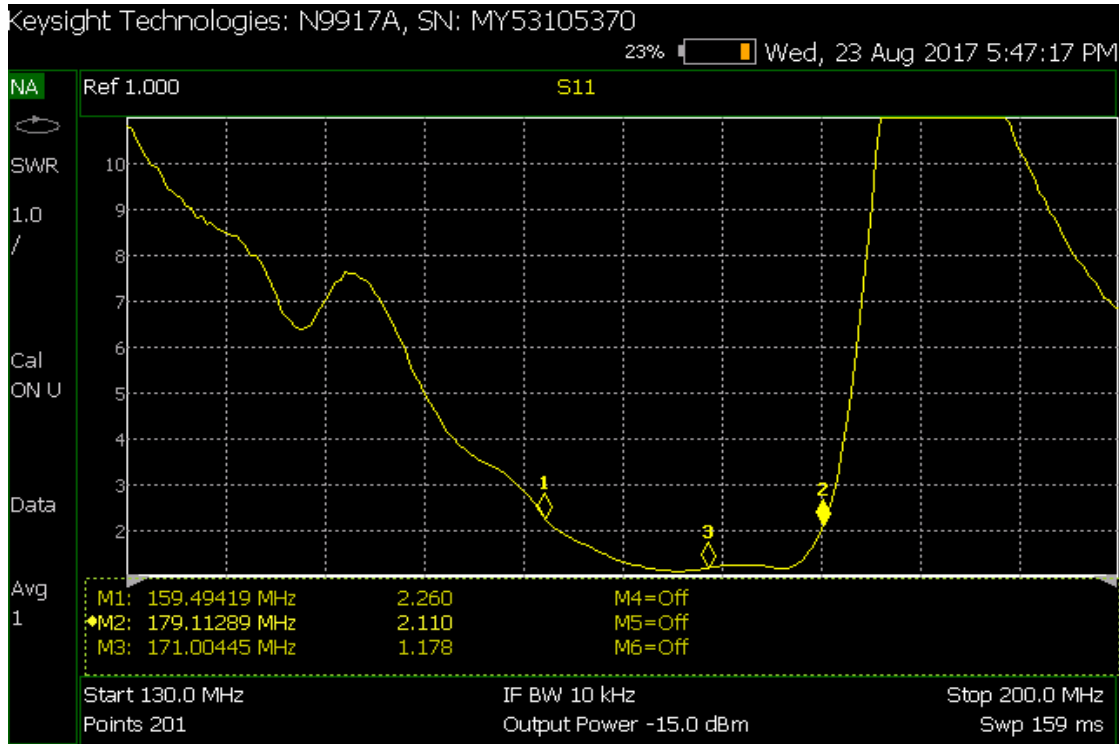
TYPICAL RADIATION PATTERN at 145 MHz



TYPICAL GAIN DIAGRAM vs FREQUENCY



MEASURED VSWR



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