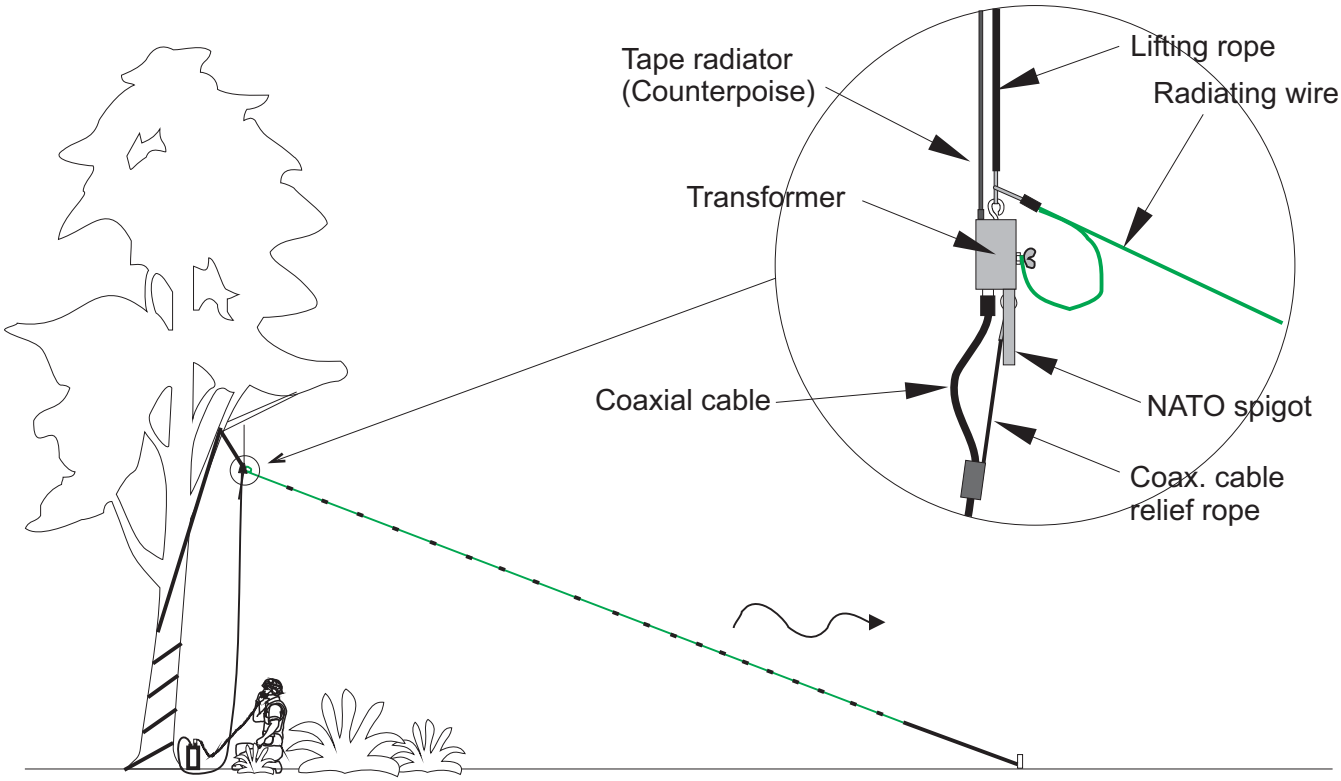
The antenna AD-52 is a wideband wire directional antenna intended for use with handheld or manpack radio units in VHF frequency range from 30 to 88 MHz. The radiating element is made of wire with special capacitive loadings along it, enable together with antenna matching transformer very low VSWR and on the other hand directional radiation pattern and therefore relatively high gain. The antenna is mainly intended for use in stay because of its simple construction and easy erecting . Except of the wire radiating element the antenna is composed of matching transformer unit, watertight enclosed in a fiberglass housing with all necessary connectors, a tape radiator for counterpoise, a 15 m long coaxial feeder made of RG-58/U with coaxial connectors, lifting rope 25 m with weight, anchor and hammer. All together is packed in a handy linen bag, suitable for transport.

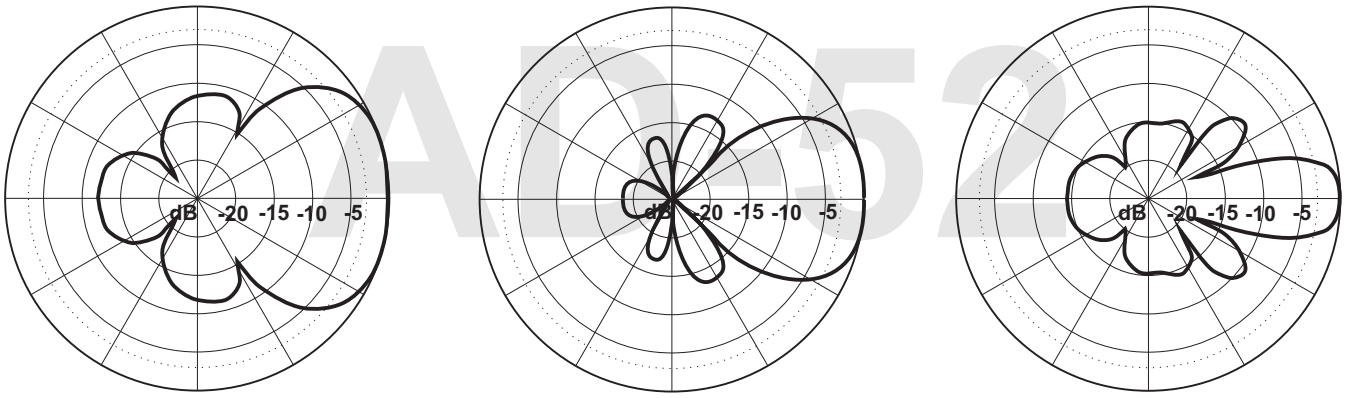
NATO Stock Number (NSN): 5985-42-0000115

Frequency range	30 - 90 MHz
Impedance	50 ohm
VSWR	< 1.8
Gain (vs. 1/4 l)	8 - 11.5 dB
3 dB beamwidth azim.	90 - 30 °
3 dB beamwidth elev.	35 - 10 °
Front to back ratio	> 13 dB
Polarization	VER.
Maximum power	100 W CW
Connector type	BNC female
Antenna weight	4.6 kg
Radiating wire length	17.8 m
Mounting height	8 - 10 m
Temperature range	-40....+70 °C

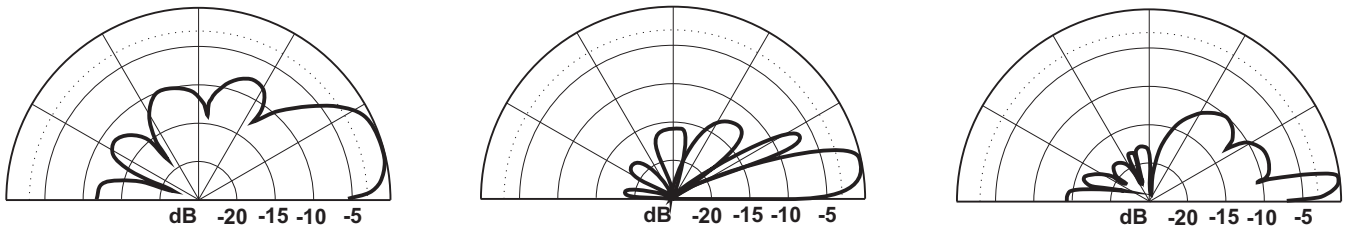




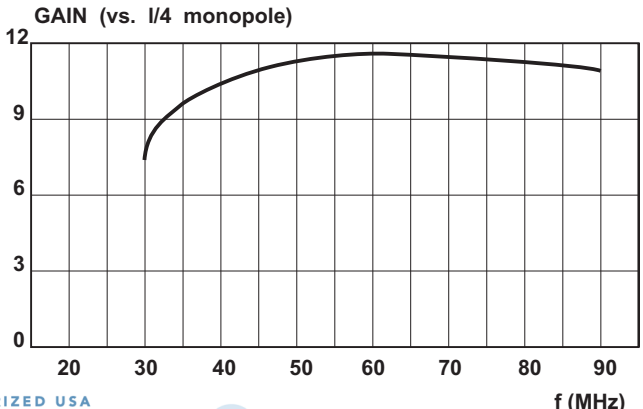
azimuth radiation pattern

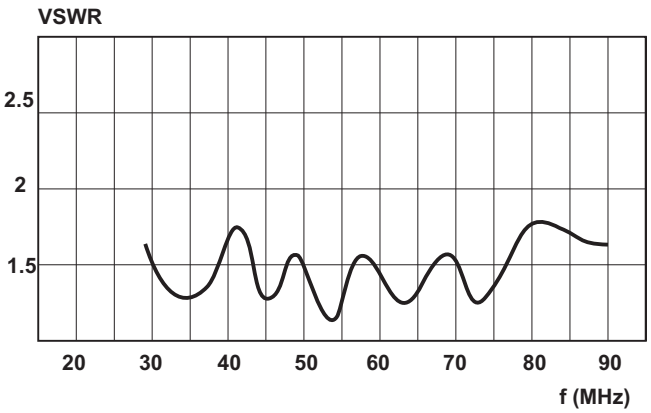


30 MHz **60 MHz** **90 MHz**



elevation radiation pattern





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