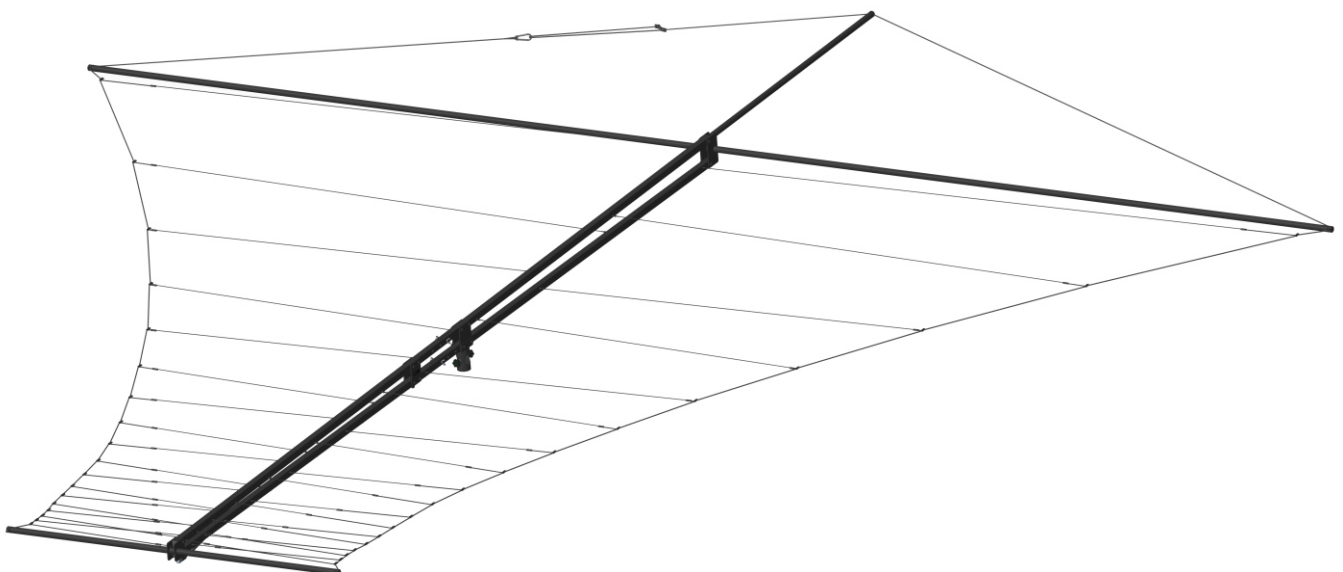
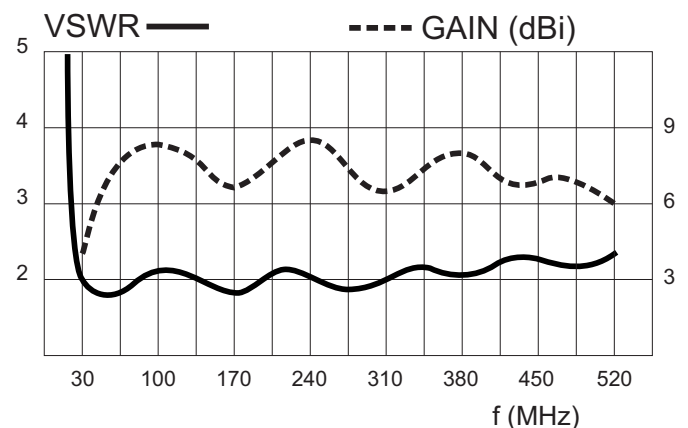


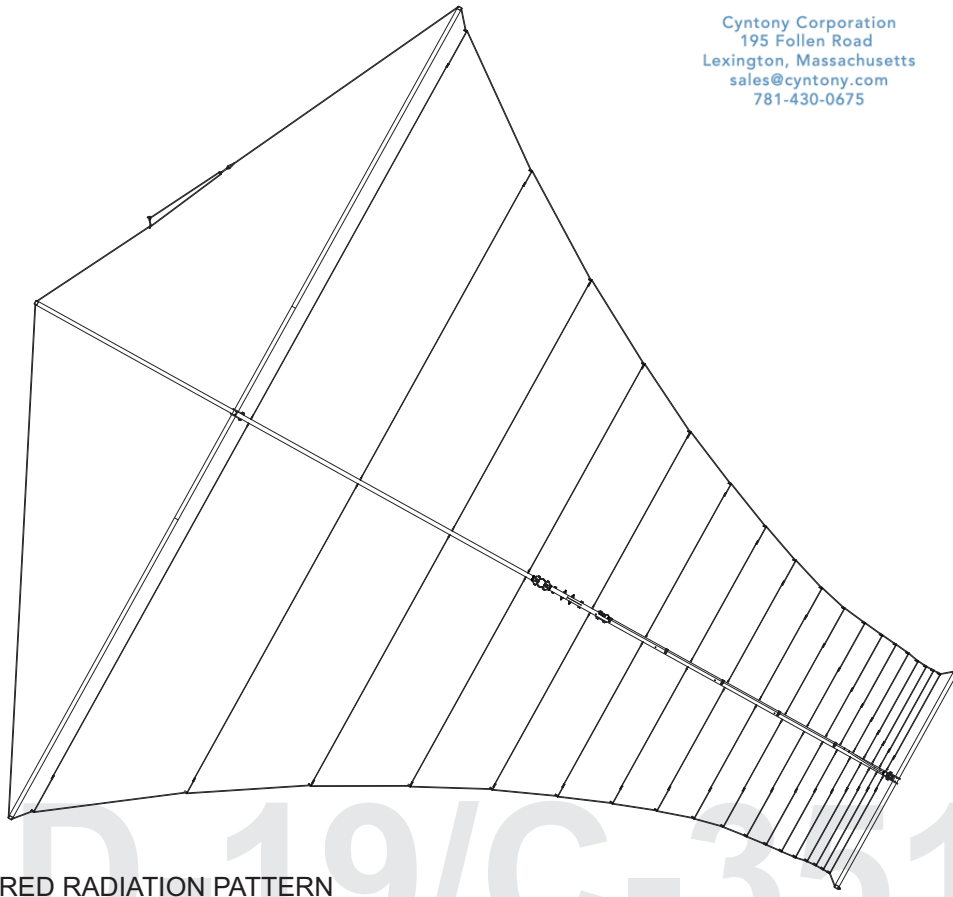
Antenna AD-19/C-3512 is a wideband log-periodic dipole antenna intended for tactical use on VHF/UHF frequency range from 30 to 512 MHz. Antenna has 18 half-wave long dipole elements which together with boom length enable constant gain over the whole frequency range. The antenna is primarily constructed for tactical/transportable use.

The antenna is composed of boom made of square aluminum alloy tubes where wire elements are connected on. Coaxial connector is mounted at the beginning of the boom. On both ends of the boom are special tubes together with strong Dyneema rope make final form of the antenna with dipoles. Wire elements are connected with rope with elastic ropes. When the rope is tightened the antenna makes its normal shape. After work the stretching rope should be released and the antenna together with the wire elements can be stowed to transport position inside the canvas transport bag.

The antenna could be mounted on appropriate antenna masts through built-in bracket which also enables simple change of polarization. For tactical use the winch driven telescopic mast type STV is strongly recommended.

Frequency range	30 - 512 MHz
Impedance	50 ohm
VSWR	< 2,5
Gain	5-6 dBi
Front-to-back ratio	> 10 dB
Polarization	HOR./VER.
Maximum power	1000 W CW
Connector	N female
Length - deployed	6.53 m
Length - stowed	2.5 m
Width - deployed	6.14 m
Weight w/o bag	14 kg
Weight with bag	18,5 kg
Wind velocity	120 km/h
Temperature range	-40...+70 °C



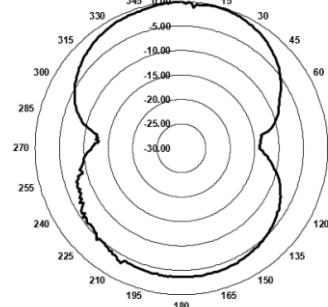


MEASURED RADIATION PATTERN

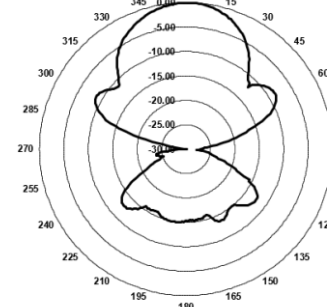
E-Plane

H-Plane

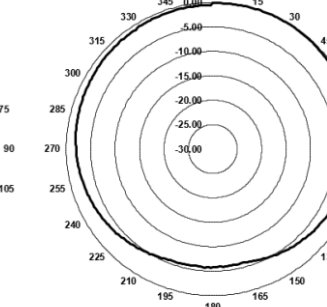
30 MHz



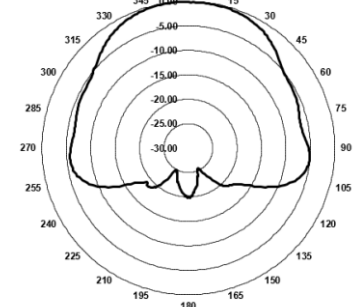
130 MHz



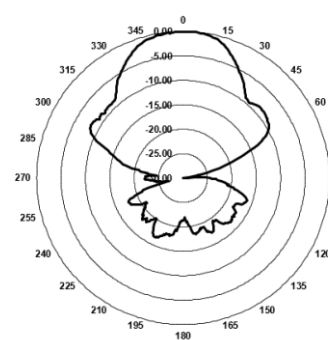
30 MHz



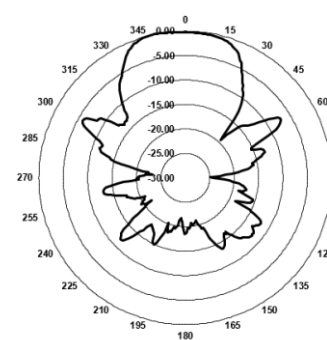
130 MHz



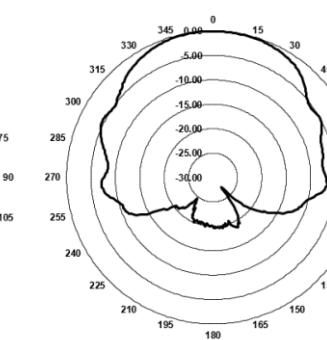
230 MHz



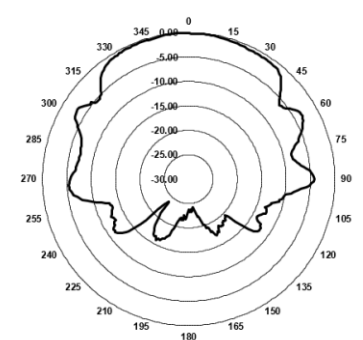
330 MHz



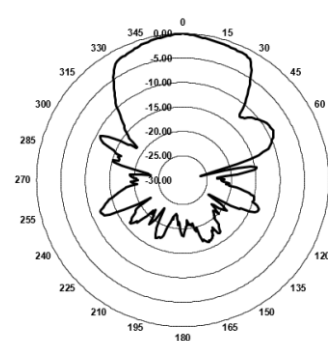
230 MHz



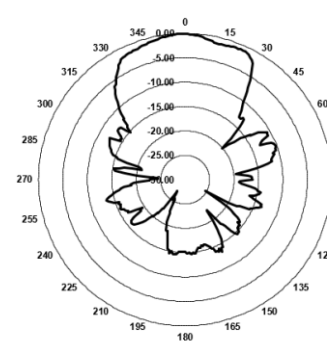
330 MHz



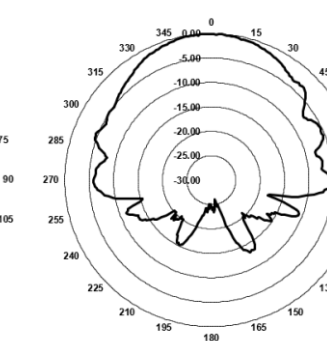
430 MHz



512 MHz



430 MHz



512 MHz

