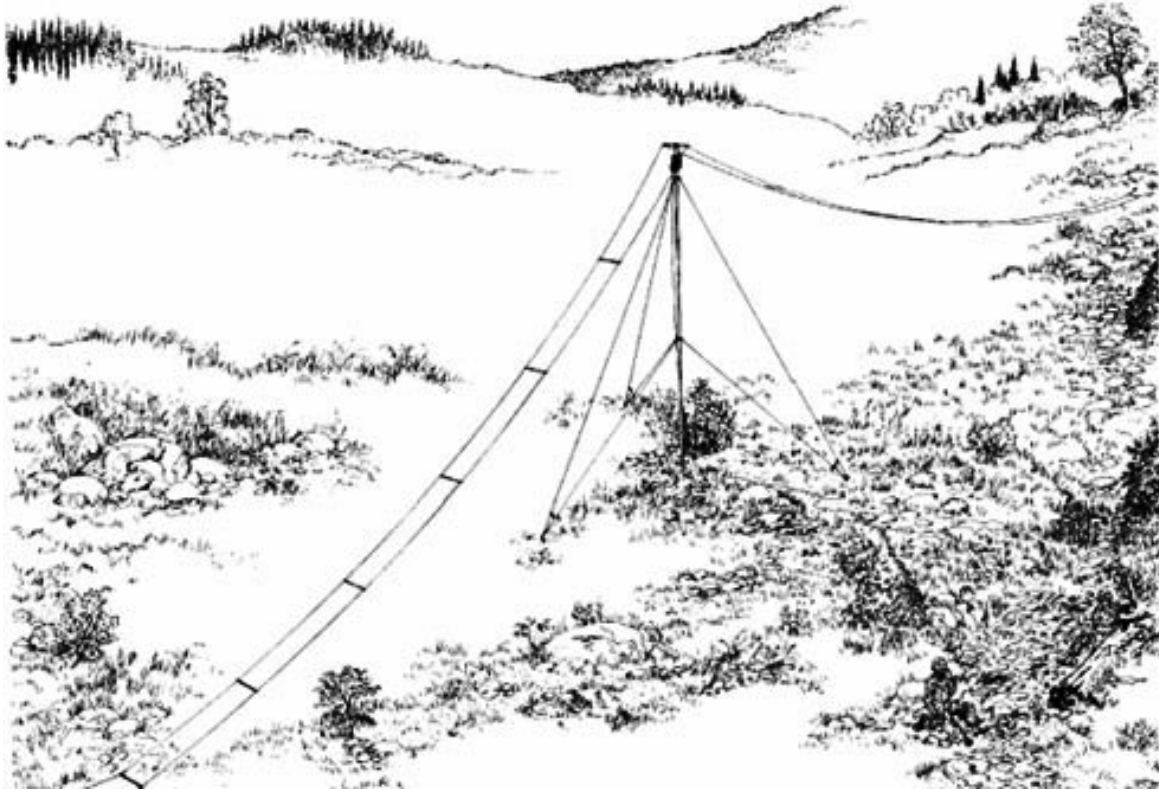




**UNITED
STATES
ANTENNA
PRODUCTS, LLC.**

MODELS 1910AA & 1910BA

*2-30 MHZ BROADBAND
LIGHTWEIGHT TACTICAL DIPOLE ANTENNAS*



The Model 1910 lightweight, tactical dipole antenna system is available in two separate models. The Model 1910AA has an RF Power Handling Capacity of 200 Watts average/400 Watts PEP, while the 1910BA handles 1 kW average/2 kW PEP.

These broadband terminated center-fed dipole antennas require **no tuning** across the entire bandwidth, eliminating the need for antenna adjustment or an antenna tuner. The 1910 antenna achieves a VSWR of 2:1 or less with a typical efficiency of 30% from 4-30 MHz and 15% from 2-4 MHz. A near vertical radiation pattern at frequencies below 10 MHz is ideal for reliable communications at 500 miles (800 Km). Lower radiation angles above 10MHz allow for reliable communications over much greater distances.

Extensive CAD and computer modeling assured that the mechanical parameters and electrical proficiency of these systems are complemented by the most advantageous size and weight for tactical deployment. The 1910AA, including mast, base, guys and anchors is packaged in a canvas carrying bag. The 1910BA is packaged in two canvas carrying bags. Either model erects in less than 15 minutes with 2 people.

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Specification Summary

Model Number	1910AA	1910BA
<i>Electrical Characteristics</i>		
Frequency range	2.0 – 30.0 MHz	2.0 – 30.0 MHz
Power handling capability PEP/average	400 Watts/200 Watts	2/1 kW
Polarization	Horizontal	Horizontal
Nominal VSWR*	2:1	2:1
Input impedance	50 Ω	50 Ω
Input connector	Type “N”	Type “N”
Coaxial Cable	RG-58C/U 100 ft. (30.5 m)	—
<i>Structural Characteristics</i>		
Mast Height	30 ft. / 9.15 m	30 ft. / 9.15 m
Construction	Aluminum support/ Phosphor Bronze Element	Aluminum support/ Phosphor Bronze Element
Environmental	MIL-STD-810	MIL-STD-810
Deployment	All terrain	All terrain
Deployment Length	180 ft. / 54.86 m	180 ft. / 54.86 m
Net weight	46 lbs / 20.9 kg	79 lbs / 35.8 kg
Shipping weight	50 lbs / 22.7 kg	87 lbs / 39.46 kg
Erection Time	2 people Less than 15 minutes	2 people Less than 15 minutes

*VSWR depends upon the height of the antenna above ground, ground conditions, and the influence of other structures or antennas in the vicinity. The specification is for ideal conditions.