

40-meter NVIS Dipole

Antenna Parameters

Model 2 with 110* angle

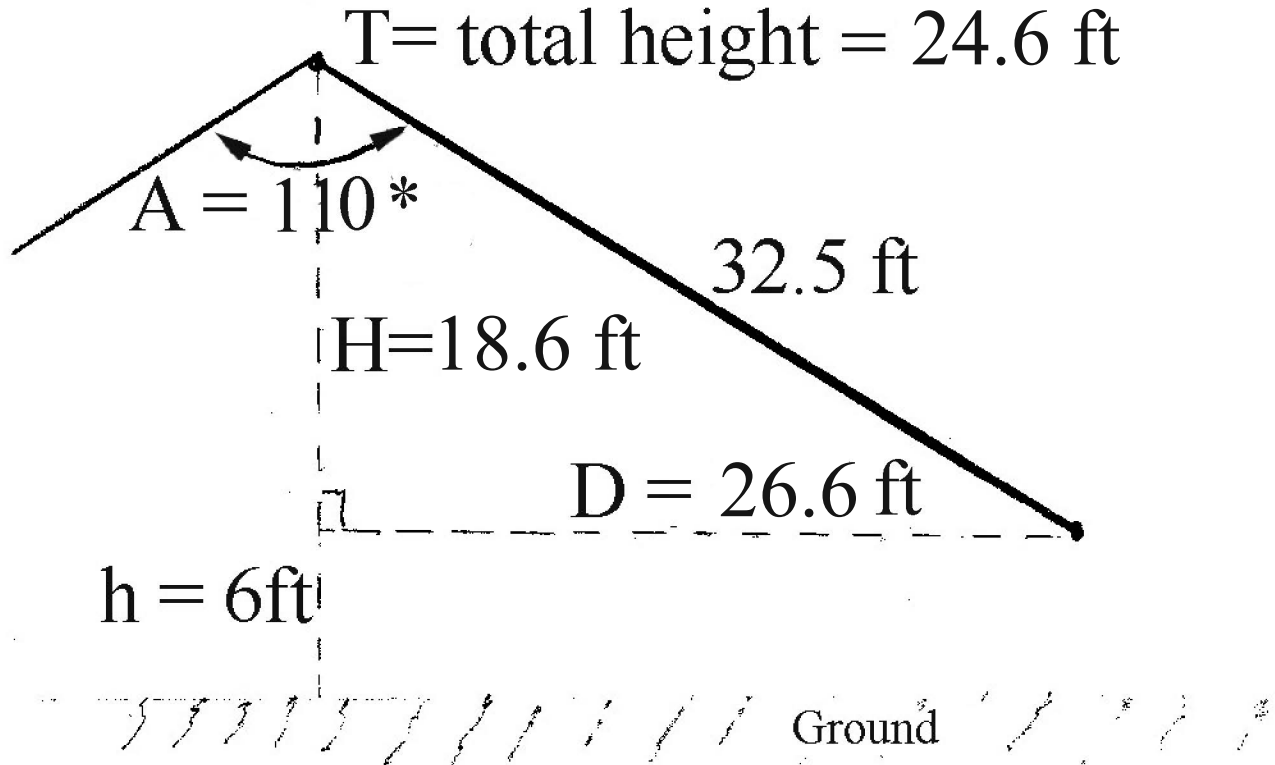
End Height - 6 feet from ground

Antenna wire – Two legs, 32.5' 14-gauge Flexweave with PE insulation (.023")

Desired Resonant Frequency – 7.150 MHz

Feedline - 50 ft RG213 with 1:1 current Balun

Soil conditions - Dry sand with water table at 10 feet



Find D $D = \sin A/2 \times 32.5\text{ft} = 26.6 \text{ ft}$

$H = \cos A/2 \times 32.5\text{ft} = 18.6 \text{ ft}$

$T = H + h = 24.6 \text{ ft}$