Log - Periodic Array

NH.

Multiplicativity, scaled spacing.

Alternative connection.

\[ \text{In} \quad \text{I}_{\text{H}+1} \]

Direction of primary radiation.

Either way, Gain \( \approx 7-9 \text{dB} \) typically.
Figure 15-14  Stacked log-periodic arrays, with dipole type, as in Figs. 15-10 and 15-11, at (a) and trapezoidal or edge-fed type at (b).

Other Log-periodic Structures

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Figure 15-8  Dyson 2-arm balanced conical-spiral (backward-fire) antenna. Polarization is RCP. Inner conductor of coax connects to dummy at apex.

Figure 15-15  YUCOLP (Yagi-Uda-Corner-Log-Periodic) hybrid array for covering U.S. VHF TV and FM broadcast bands.