

Abstracts

The AN/TPS-59 Antenna Row-Board Design

R.R. Kinsey. "The AN/TPS-59 Antenna Row-Board Design." 1974 S-MTT International Microwave Symposium Digest of Technical Papers 74.1 (1974 [MWSYM]): 57-60.

The development model of the AN/TPS-59, an advanced tactical air-defense radar, employs a planar array composed of a vertical stack of linear row-arrays. Azimuth scanning is by mechanical rotation of the antenna while phase controlled solid-state row-transmitters and row-receivers provide electronic scanning in elevation.

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