

Title (en)

LOG-PERIODIC ANTENNA WITH WIDE FREQUENCY BAND

Title (de)

LOGARITHMISCH-PERIODISCHE ANTENNE MIT BREITEM FREQUENZBAND

Title (fr)

ANTENNE LOG-PERIODIQUE A LARGE BANDE DE FREQUENCES

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Application

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Abstract (en)

[origin: WO2016016361A1] The invention relates to a log-periodic antenna which comprises at least one set of three radiating elements with log-periodic patterns (E1, E2, E3) positioned above a first face of a flat substrate (3), each radiating element comprising a succession of radiating dipoles distributed on either side of a rectilinear electrically conducting line (R1, R2, R3), perpendicular to said line, the radiating dipoles having a dimension which increases between a first end of said line and a second end of said line situated nearer to the first face than the first end, a first radiating element (E2) having a rectilinear electrically conducting line substantially perpendicular to the first face of the substrate (3), the first ends of the electrically conducting lines of the various radiating elements being substantially aligned along a direction parallel to the first face, the rectilinear electrically conducting lines of the second and third radiating elements being situated in one and the same plane as the rectilinear electrically conducting line of the first radiating element and being inclined with respect to the electrically conducting line of the first radiating element, the radiating dipoles of the three radiating elements being substantially perpendicular to the plane which contains the rectilinear electrically conducting lines of the three radiating elements.

IPC 8 full level

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