

Title (en)

MULTIBAND DUAL-POLARISED ARRAY ANTENNA

Title (de)

DOPPELTPOLARISIERTE MEHRBAND-GRUPPENANTENNE

Title (fr)

ANTENNE EN RESEAU MULTI-BANDE A DOUBLE POLARISATION

Publication

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Application

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Abstract (en)

[origin: WO2005055362A1] The invention relates to a multiband array antenna comprising a ground plane (4) and at least a first array of radiating elements (10) and a second array of radiating elements (20). The invention can also comprise a third array of radiating elements. Each of the aforementioned three arrays operates in a different frequency band and the arrays are arranged such as to form a set of elementary cells (51). Moreover, each elementary cell (51) comprises at least one radiating element from the second array (20C) and two adjacent radiating elements from the first array (10A, 10B) and, optionally, two radiating elements from the third array (30A, 30B). In each elementary cell, the radiating element from the second array (20) is arranged such as to face the two adjacent radiating elements from the first array (10) and the two adjacent radiating elements from the third array (30) essentially symmetrically and at a right angle.

IPC 8 full level

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Citation (search report)

See references of WO 2005055362A1

Cited by

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