

ABSTRACT

ANTENNA ARRAY, APPARATUS, AND WIRELESS COMMUNICATION DEVICE

Embodiments of this application provide an antenna array, an apparatus, and a wireless communication device, and relate to the field of antenna technologies. The antenna array includes: a plurality of subarrays, where a feed point and at least one radiating element are disposed on each subarray, the plurality of subarrays are arranged in a first direction and a second direction, the first direction is perpendicular to the second direction, the feed points of the plurality of subarrays are located on a same straight line in the first direction, and the feed points of the plurality of subarrays are located on a same straight line in the second direction; and in the first direction, subarrays to which feed points on a same straight line belong are located in a same row, and in the second direction, subarrays to which feed points on a same straight line belong are located in a same column. Each subarray has a phase center, phase centers of subarrays in at least one row of subarrays in the antenna array are not on a same straight line, and/or phase centers of subarrays in at least one column of subarrays in the antenna array are not on a same straight line.

Figure 7