

The prospects for the synthesized apertures use in mobile radio monitoring systems

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Abstract

The promising directions for the development of mobile radio frequency monitoring systems have been identified. The analysis of the potential of existing methods for the synthesis of apertures of passive radio frequency monitoring systems has been carried out. The carrier's curvilinear trajectory of a radar meter in the semicircle's form has been offered. Its implementation allows to uniquely determine the parameters of radio emission sources. It has been noted that the implementation of such a trajectory of movement requires the development of special algorithms for controlling the carrier.

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