

Title (en)

ANTENNA ASSEMBLY AND ELECTRONIC DEVICE

Title (de)

ANTENNENANORDNUNG UND ELEKTRONISCHE VORRICHTUNG

Title (fr)

ENSEMBLE ANTENNE ET DISPOSITIF ÉLECTRONIQUE

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Abstract (en)

An antenna assembly and an electronic device are provided in the present disclosure. The antenna assembly includes a first antenna and a second antenna. The first antenna includes a first radiator, a first signal-source, and a first frequency-selective filter circuit. The second antenna includes a second radiator, a second signal-source, and a second frequency-selective filter circuit. The first radiator is spaced apart from and coupled with the second radiator. The first signal-source is electrically connected to the first radiator through the first frequency-selective filter circuit. The second signal-source is electrically connected to the second radiator through the second frequency-selective filter circuit. The first antenna is configured to generate at least one resonant mode. The second antenna is configured to generate at least two resonant modes. The at least two resonant modes of the second antenna are configured to cover reception and transmission of an electromagnetic wave signal in a first band, an electromagnetic wave signal in a second band, and an electromagnetic wave signal in a third band. At least one of the at least two resonant modes of resonant modes of the second antenna is excited by a capacitive coupling feed between the first antenna and the second antenna. The antenna assembly in the present disclosure has a relatively great communication effect.

IPC 8 full level

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