

ABSTRACT

DUAL-BAND DUAL-PORT ANTENNA STRUCTURE

A dual-band dual-port antenna structure is provided. The dual-band dual-port antenna structure includes a first antenna structure and a second antenna structure. The first antenna structure operates in a high-frequency band and includes a first feeding port, a first feeding path electrically connected to the first feeding port, and a first radiating element. The second antenna structure operates in a low-frequency band and includes a second feeding port, a second feeding path electrically connected to the second feeding port, and a second radiating element. The first feeding path includes a first capacitor and a first feeding line. The second radiating element of the second antenna structure at least partially surrounds the first radiating element of the first antenna structure.

(FIG. 1)