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Enniscorthy (IE)(72) Inventors: **Yu Tao,** Taoyuan City (TW); **Yung Sheng Tseng,** Taoyuan City (TW)(21) Appl. No.: **18/082,024**(22) Filed: **Dec. 15, 2022****Related U.S. Application Data**

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(2013.01); **H01Q 1/48** (2013.01)(57) **ABSTRACT**

An antenna device comprising a first antenna, a second antenna and a circuit board. The first antenna includes a first insulating layer, a first signal-feeding line and two first grounding lines. The first signal-feeding line is disposed on a first surface of the first insulating layer. The first grounding lines are disposed on a second surface of the first insulating layer. The second antenna includes a second insulating layer, a second signal-feeding line and two second grounding lines. The second signal-feeding line is disposed on a first surface of the second insulating layer. The second grounding lines are disposed on a second surface of the second insulating layer. The first insulating layer and the second insulating layer intersect at about 90 degrees. The first and second antennas are disposed on a first surface of the circuit board. The first axis and the second axis are adjacent and substantially parallel.

