

WIRELESS COMMUNICATION DEVICE AND WIRELESS COMMUNICATION METHOD USING THE SAME

ABSTRACT

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Disclosed are a wireless communication device and a wireless communication method using the same. An antenna device included in the wireless communication device may include an antenna plate, a ground plate supporting the antenna plate, and an impedance matching circuit for impedance matching of the antenna device. The area of the upper surface
10 of the antenna plate may be formed at a predesignated ratio according to a resonant frequency for communication, and the impedance matching of the antenna device may be adjusted based on the distance between a feeding line and a ground line connected to the antenna plate.

FIG. 3A