

PASSIVE NEAR FIELD COMMUNICATION DEVICES, METHODS, AND APPARATUSES

ABSTRACT

The present disclosure provides passive near field communication devices, methods, and
5 apparatuses. The devices include a wake-up tuning coil, a communication antenna coil, and an
NFC chip. A resonance point of the wake-up tuning coil is the same as a carrier frequency band of
a card reader device. The communication antenna coil is connected to the NFC chip in series, and
is tuned to the carrier frequency band of the card reader device.

10 FIG. 1