

ABSTRACT

ANTENNA DEVICE

An antenna device (A) includes a receiving antenna (2), a transmitting antenna
5 (1), and a reflecting member (3) that transmits primary radio waves and reflects towards
the receiving antenna (2) some leaked radio waves leaked from the transmitting antenna
(1). Additionally, the reflecting member (3) is arranged such that reflected waves (S2),
some of which are the leaked radio waves, are reflected and reach the receiving antenna
(2) after being phase-shifted relative to direct waves (S1), which are leaked radio waves
10 that directly reaches the receiving antenna (2) directly. The reflecting member (3) is
configured such that interference is caused due to the phase shift between the direct
waves (S1) and the reflected waves (S2), attenuating the interference waves (the direct
waves (S1)) from the transmitting antenna (1) to the receiving antenna.

15 Figure 1