

A B S T R A C T

A communication bit rate computing unit (24) computes the cumulative bit rate of downlink communication data, at which a base station communicates with a terminal, and totalizes the bit rates for each
5 sector area. A amplitude/phase control unit (23) checks whether the cumulative bit rate for each sector area, reported from the communication bit rate computing unit (24), is higher than a first threshold or lower than a second threshold. If the cumulative bit rate is higher
10 than the first threshold, the amplitude/phase control unit (23) performs directing characteristic control so as to narrow the area range of the corresponding sector area to a range smaller than a standard area range. If the cumulative bit rate is lower than the second
15 threshold, the amplitude/phase control unit (23) performs directing characteristic control so as to widen the area range of the corresponding sector area to a range larger than the standard area range.