

ABSTRACT

The invention enables changes in an input impedance value of a wireless electric power transmission device, according to a load fluctuation tendency of an electric device to which electric power is supplied. The transmission characteristic for
5 transmission between a power-feeding resonator and a power-receiving resonator of this wireless electric power transmission device has two peak bands. The power supply frequency of electric power to a power-feeding module of the wireless electric power transmission device is set to a power supply frequency band that corresponds to either one of the two peak bands of the transmission characteristic (S21), and the input
10 impedance value of the wireless electric power transmission device including the power-supplied electric device at least for the power supply frequencies of the electric power is set so as to have two peak bands with respect to the maximum value of a load fluctuation range of the power-supplied electric device.