IN THE CLAIMS

Each claim of the present application is set forth below with a parenthetical notation immediately following the claim number indicating the current claim status. The Examiner's entry of the claim amendments under Section 1.121 is respectfully requested.

1-3. (CANCELLED)

4. (CURRENTLY AMENDED) An apparatus responsive to a power control signal, the apparatus comprising:

an antenna for transmitting signals, the antenna having an input impedance;

a power amplifier supplying a ~~first~~ signal to the antenna for transmitting, the power amplifier having a variable output power and responsive thereto a variable output impedance, wherein the power amplifier is responsive to the power control signal for producing the variable output power; and

an impedance controlling element for controlling the impedance into which the power amplifier operates by modifying the antenna input impedance or by transforming the antenna input impedance, the impedance controlling element responsive to the power amplifier variable output power or the power amplifier variable output impedance for controlling the impedance into which the power amplifier operates to increase the power amplifier efficiency. ~~transformer connected between the antenna and the power amplifier, the transformer for transforming an output impedance of the power amplifier to substantially the input impedance, wherein the output impedance of the power amplifier varies according to an output power of the power amplifier.~~

5.-9. (CANCELLED)

10. (CURRENTLY AMENDED) A wireless communications device producing a power control signal, the device comprising:

an antenna for transmitting signals, the antenna having an input impedance;

a power amplifier supplying a ~~first~~ signal to the antenna for transmitting, the power amplifier having a variable output power and responsive thereto a variable output impedance, wherein the power amplifier is responsive to the power control signal for producing the variable output power; and

an impedance controlling element ~~controller for establishing the input impedance~~ for controlling the impedance into which the power amplifier operates by modifying the antenna input impedance or by transforming the antenna input impedance to increase the power amplifier efficiency, the impedance controlling element responsive to an operating parameter of the power amplifier or responsive to a characteristic of the first signal.

11. (CURRENTLY AMENDED) The wireless communications device of claim 10 wherein the characteristic of the ~~first~~ signal comprises a power level or a standing wave ratio of the first signal.

12. (CURRENTLY AMENDED) The wireless communications device of claim 10 wherein the antenna input impedance is modified ~~controlled~~ to maintain the input impedance between a first and a second value.

13. (CURRENTLY AMENDED) The wireless communications device of claim 10 wherein the characteristic of the ~~first~~ signal comprises a power level or a standing wave ratio~~n~~, and wherein the ~~input~~ impedance into which the power amplifier operates is continuously controlled to maintain the efficiency ~~power level~~ substantially at a predetermined efficiency.~~power level.~~

14. (CANCELLED)

15. (CURRENTLY AMENDED) The wireless communications device of claim 10 wherein the antenna further comprises a radiating element and a feed terminal connected thereto, and wherein the impedance controlling element ~~controller~~ controls an operating parameter of the antenna comprising a location of the feed terminal on the radiating element.

16. (CURRENTLY AMENDED) The wireless communications device of claim 10 wherein the antenna further comprises a radiating element and a ground terminal

connected between the radiating element and a ground, and wherein the impedance controlling element ~~controller~~ controls an operating parameter of the antenna comprising a location of the ground terminal on the radiating element.

17. (CURRENTLY AMENDED) The wireless communications device of claim 10 wherein the antenna further comprises a radiating element, a feed terminal connected to the radiating element and a ground terminal connected between the radiating element and a ground, and wherein the impedance controlling element ~~controller~~ controls a distance between the feed terminal and the ground terminal or a location of one or both of the feed terminal and the ground terminal.

18. (CURRENTLY AMENDED) The wireless communications device of claim 10 further comprising transmitting circuits for producing an information signal supplied to the power amplifier, wherein the power amplifier supplies the ~~first~~ signal in response to the information signal, and wherein the transmitting circuits produce a control signal input to the impedance controlling element ~~controller for use by the controller~~ for controlling the impedance into which the power amplifier operates. ~~to establish the input impedance.~~

19. (CURRENTLY AMENDED) The wireless communications device of claim 10 wherein the power amplifier supplies a control signal to the impedance controlling element ~~controller~~ for use by the impedance controlling element ~~controller~~ to control the ~~input~~ impedance into which the power amplifier operates, wherein the control signal represents an operating parameter of the power amplifier or a characteristic of the ~~first~~ signal.

20. (CURRENTLY AMENDED) The wireless communications device of claim 10 wherein the characteristic of the ~~first~~ signal comprises one of the power level of the ~~first~~ signal and a voltage standing wave ratio of the ~~first~~ signal.

21.-24. (CANCELLED)

25. (CURRENTLY AMENDED) The wireless communications device of claim 10 further comprising a manually operated control element for controlling the

impedance into which the power amplifier operates ~~input impedance~~ in response to manual manipulation of the control element.

26-58. (CANCELLED)