

Abstract

METHOD AND DEVICE FOR RADIO FREQUENCY VOLTAGE LIMITING

The invention provides a method and device for Radio Frequency (RF) limiting. The device for RF limiting comprises: an Analog Limiter configured to limit a voltage of a RF input to a predetermined safe range during power-off or power-up until a disable control signal is received from the Digital Controller, a Sensing Circuit configured to sense a plurality of shunting currents provided by the Analog Limiter in sequence to determine a value of each bit of a preset current sensing code and sense the limiting voltage, a Digital Controller configured to control the Digital Limiter to perform RF limiting function based on the value of each bit of the preset current sensing code, and control the Analog Limiter to stop limiting the voltage of the RF input if the limiting voltage is within a predetermined acceptable voltage range.

15 (Figure 1)