

POWER AMPLIFIER MODULES WITH CONTROLLABLE ENVELOPE TRACKING NOISE FILTERS

ABSTRACT OF THE DISCLOSURE

5 Power amplifier modules with controllable envelope tracking noise filters are provided
herein. In certain embodiments, an envelope tracking system includes a power amplifier
module and an envelope tracker that provides the power amplifier module with a power
amplifier supply voltage that changes based on an envelope of a radio frequency (RF) signal
amplified by the power amplifier module. The power amplifier module includes a controllable
10 filter that filters the power amplifier supply voltage to provide flexibility in filtering envelope
tracking noise.

Fig. 2A