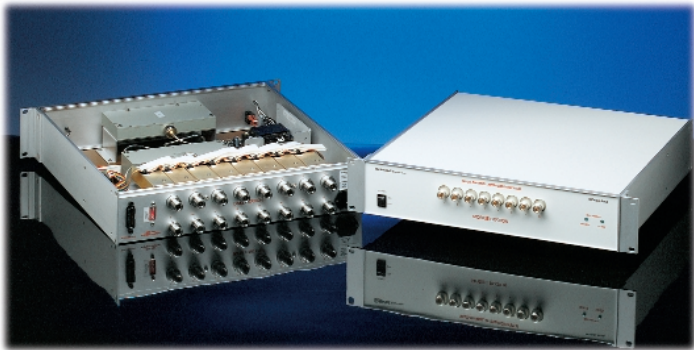


**SmartStep Subsystem Design Example...CELLULAR/PCS FADING SIMULATION**



**Weinschel Corporation** design and manufacturers multipath attenuation subsystems for fading simulation/emulation of cellular, 3G, GSM, PCS systems, laboratory testing of CATV, cable modem, and wireless components and systems. These subsystems integrate Weinschel **SmartStep** technology and other standard microwave and RF components to provide quick, simple, low cost design solutions.

The subsystem illustrated features:

- /// 800-1900 MHz frequency range
- /// 16 Input Channels to 8 Output Channels
- /// RS-232 Serial Interface
- /// Wide Dynamic Range: 127/1 dB steps
- /// Weinschel 3200T SmartStep Programmable Attenuators

Our new **SmartStep** technology streamlines system designs and device integration by providing a flexible bus interface and components that are easy to configure and control.

Options: 50 & 75 Ω Systems; IEEE-488, RS-232, RS-422, RS-485 “**SmartStep**” Interface; Attenuation Range Up To 128.2 dB in 0.1 to 10 dB Steps; Wide Variety of Path Configurations (2x2, 4x16, 8x16, 8x32, et al); LCD Display and Front Panel/Local Control.

