SC1889-EVK900/1500/1900/2200: Evaluation Kit for SC1889-00 IC

General Description

The SC1889-EVK900/1500/1900/2200 are engineering development tools used for the evaluation of Scintera's SC1889-00 Radio Frequency Power Amplifier Linearizer (RFPAL) SoCs. Each kit consists of a reference PCB layout with all required RF components and connectors. The SC-USB-SPI is available separately from Scintera or a National Instruments NI-USB-8451 may be used to interface the board to a USB enabled PC running Microsoft Windows. Windows PC software, release notes and a hardware design guide are also provided on CDROM and via FTP download. All one needs for evaluation testing is a PA module, signal generator, intermediate stage driver amplifier(s), couplers, and attenuators as required to set RF levels.

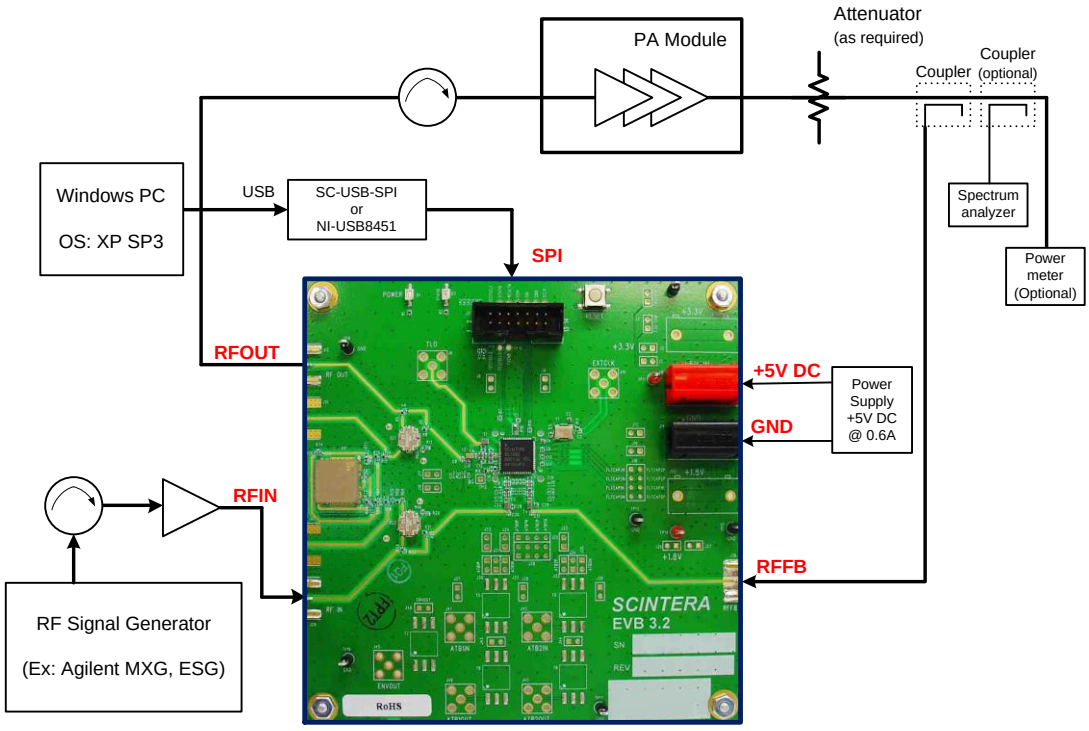

Figure 1: SC1889-EVK900/1500/1900/2200

Ambient Operating Temperature Range: -40 to +85 ^{o}C

Programmable Delay Line

The SC1889-EVK printed circuit board integrates a ceramic delay line (Richardson DL246) whose delay is programmable through external resistor settings. The optimal setting for the delay line and any additional attenuation is dependent on the operational frequency range of the specific evaluation kit.

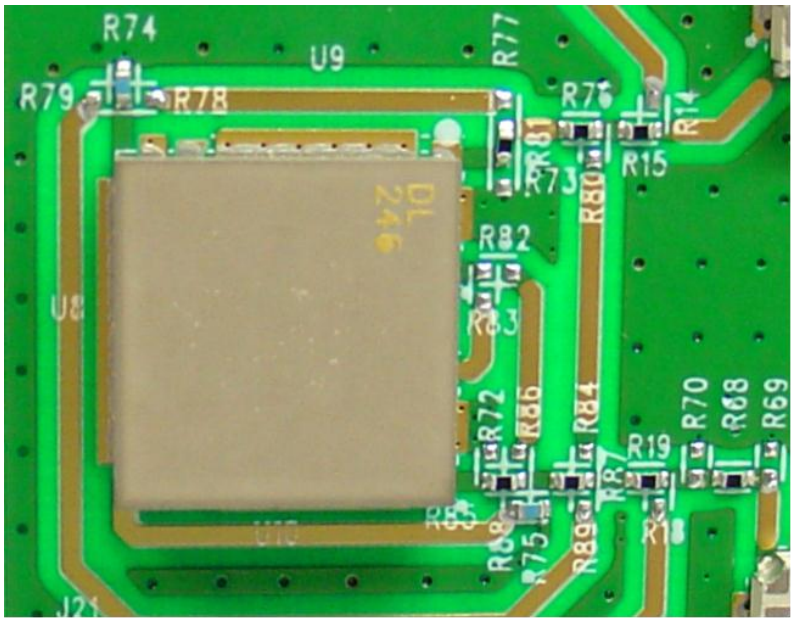

Figure 2: Programmable Delay Line

Evaluation Kit Ordering Information

Part Number	Description
SC1889-EVK900	Eval Kit, Frequency range (698 MHz - 960 MHz)
SC1889-EVK1500	Eval Kit, Frequency range (1400 MHz - 1800 MHz)
SC1889-EVK1900	Eval Kit, Frequency range (1800 MHz - 2200 MHz)
SC1889-EVK2200	Eval Kit, Frequency range (2100 MHz - 2800 MHz)
SC-USB-SPI	Adapter, SPI-USB Interface/Controller

For More Information Contact Scintera:

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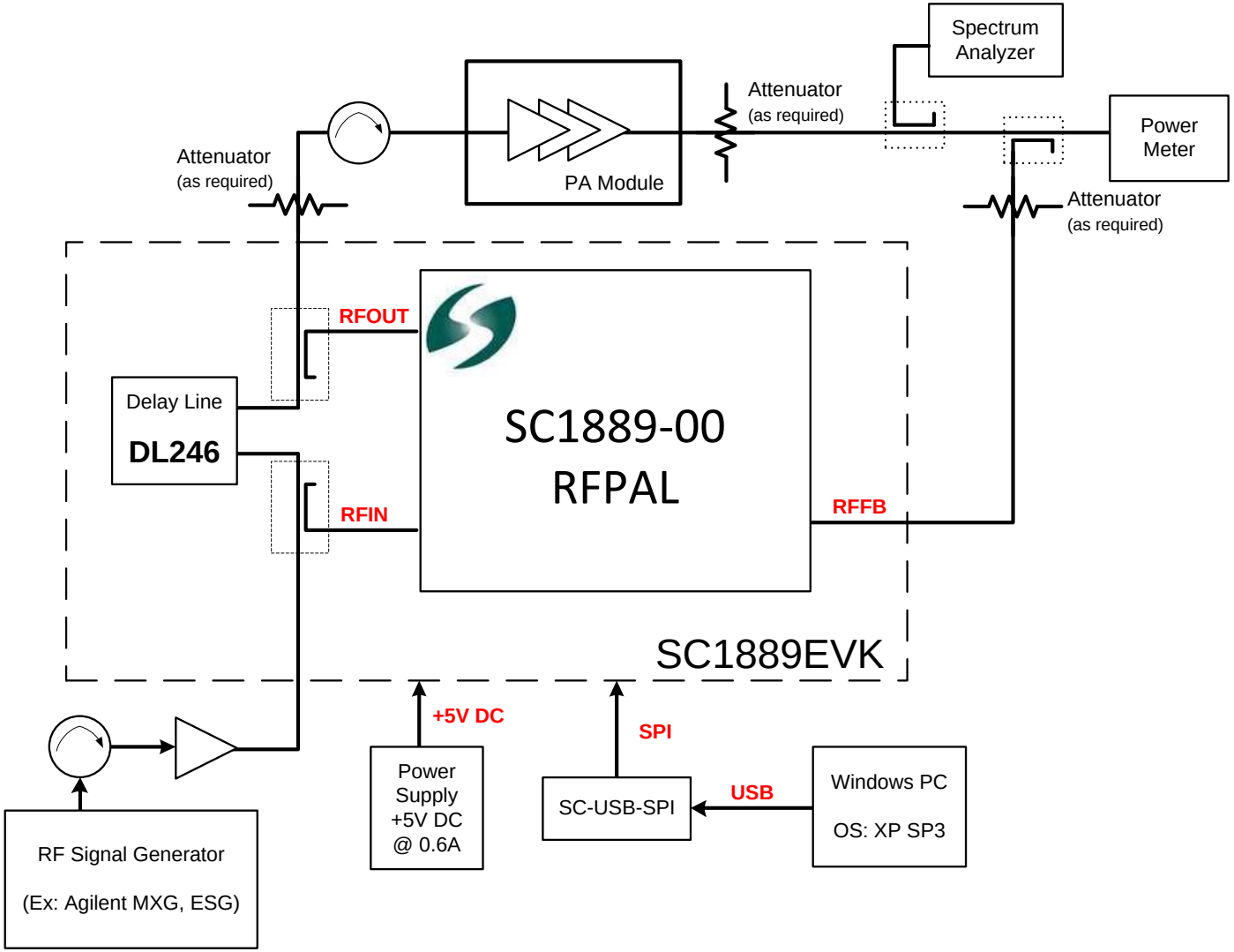

Figure 3: Detailed SC1889-EVK900/1500/1900/2200 Connection Diagram