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Technical Description

The SmartRFCC2510EM is an evaluation board for the CC2510 chip from Texas Instruments.

The board is powered through two 1.5V AAA alkaline batteries.

The CC2510 System on Chip has a differential RF output. On the SmartRFCC2510EM board this differential output is transformed to a single ended, 50 ohm signal through a passive component (capacitor/inductor) balun. The output of the balun is low pass filtered to reduce harmonic radiation. The single ended output of the balun is connected to an on-board PCB antenna.