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Technical Description

The CC2520EM is an evaluation board for the CC2520 chip from Texas Instruments. The board will only function together with SmartRF Evaluation Boards.

The CC2520 transceiver has a differential RF output. On the CC2520EM 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 and then connected to an SMA connector.

The antenna supplied with the board is W1010 from Pulse Electronics. The antenna is a $\frac{1}{4}$ wave dipole antenna with 2 dBi gain.