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Technical Description

The CC1200EM-868-930 is an evaluation board for the CC1200 RF transceiver chip from Texas Instruments. The board will only function together with the SmartRF Transceiver Evaluation Board (TrxEB) which is included in the CC1200 Development Kit.

The CC1200 has a single ended PA output and a differential LNA input. On the CC1200EM-868-930 board these RF inputs and outputs are combined and transformed to a 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 CC1200EM-868-930 board is equipped with an 868 - 928 MHz whip antenna W5017 from Pulse. The antenna gain is 2 dBi.