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Technical Description

The CC1175EM-868-915 is an evaluation board for the CC1175 chip from Texas Instruments. The board will only function together with the Transceiver Evaluation Board, SmartRF TrxEB, which is included in e.g. the CC1120DK development kit from Texas Instruments.

The CC1175 has a single ended PA output. On the CC1175EM-868-915 board the PA output is 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 CC1175EM-868-930 board is equipped with an 868 - 928 MHz whip antenna W5017 from Pulse. The antenna gain is 2 dBi.