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## Technical Description

The 7IDEM is an evaluation board for the CC2650 RF SoC from Texas Instruments.

The 7IDEM is included in a development kit that can be used for *Bluetooth* Smart development. The 7IDEM is an engineering development board and cannot be used in an end product.

The CC2650 System on Chip has a differential RF output. On the 7IDEM 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 a PCB antenna.