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## Technical Description

The CC85xx-CC2590EM is an evaluation board for the CC85xx chip from Texas Instruments. The board will only function together with the PurePath Wireless Evaluation Board which is included in the CC85XXDK Development Kit.

The CC85xx-CC2590EM is preloaded with an application image for audio streaming. In the CC85XXDK there are two CC85xx-CC2590EMs and one is programmed with a master image (audio producer), and the other is programmed with a slave image (audio consumer).

The CC85xx System on Chip has a differential RF output. This differential output is connected to the differential RF input of the CC2590. The CC2590 has a single ended RF output which is low pass filtered with an external passive filter to reduce harmonic radiation. This filter is also transforming the signal to 50 ohm before it's connected to an SMA connector.

The antenna supplied with the board is W1010 from Pulse Electronics. The datasheet of the antenna is attached for further details.