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Technical Description

The CC2541S BoosterPack is an evaluation board for the CC2541 chip from Texas Instruments.

The CC2541S BoosterPack is included in a development kit that can be used as for Bluetooth Low Energy development.

The CC2541 System on Chip has a differential RF output. On the CC2541S BoosterPack board this differential output is transformed to a single ended, 50 ohm signal through a discrete balun. Additionally, the balun greatly reduces harmonic radiation. The single ended output of the balun is connected to an on-board PCB antenna.

Operational Information:

Frequency: 2402 – 2480 MHz,
Modulation: GFSK
Antenna: PCB, meander inverted F
Power supply: 3V DC
Max duty cycle (Bluetooth low energy): 1.8%