

Technical description for Texas Instruments MSP-EXP430F6137R9:

The MSP-EXP430F6137R9 is an evaluation board for the CC430F6137 chip from Texas Instruments.

The user needs to program the board with application code as described in the User's Guide (SLAU460) or the corresponding Quick start guide of the MSP-EXPCC430RF9 kit of which this board is part of.

The CC430F6137 System on Chip has a differential RF output. This transformed to a single ended, 50 ohm signal through passive components (capacitor/inductor) balun. The output of the balun is filtered to reduce harmonic radiation and then connected to a chip antenna.

The chip antenna mounted on the board is 0920AT50A080 from JTI. The datasheet of the antenna is attached for further details.

Frequency range: 902 – 928MHz (North America)

Type of modulation: 2-GFSK

Occupied bandwidth: 11.6 kHz

Antenna connector: chip antenna mounted on PCB

This evaluation board is intended for use for ENGINEERING DEVELOPMENT, DEMONSTRATION OR EVALUATION PURPOSES ONLY and is not considered by TI to be a finished end product fit for general consumer use.