

Technical description for Texas Instruments BM-USBD4:

The BM-USBD4 is a development kit in a USB stick form factor for the MSP430F5509/CC1101 chip from Texas Instruments. The board will only fully function (wireless connection) together with the eZ430-Chronos-915 development tool.

The CC4301101 System on Chip has a differential RF output that is transformed to a single ended, 50 ohm signal through a passive component (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: 11.6kHz

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.