

Texas Instruments - CC2510 Mini Development Kit

Product Overview:

The CC2520 Development Kit includes hardware and software that allows quick testing of the CC2520 RF performance and offers a complete platform for development of advanced prototype RF systems and for evaluation of the CC2520 right out of the box. The kit can be used for range testing using the pre-programmed PER tester running on the MSP430F2618.



Kit Contents:

The development kit contains everything needed to develop and run applications for CC2520 system including:

- 3 x SmartRF@05EB
- 3 x CC2520EM evaluation modules
- 3 x Antennas
- 2 x CCMSP-EM430F2618
- 1 x MSP-FET430UIF debug interface
- 3 x USB cables
- Documents

Key Features:

The development kit includes the following features:

- The kit can be used for range testing using the pre-programmed PER tester running on the MSP430F2618.
- Use SmartRF Studio to perform RF measurements. The radio can be easily configured to measure sensitivity, output power and other RF parameters.
- Prototype development. All I/O from the CC2520 are available on pin connectors on the SmartRF05EB and on the CCMSP-EM, allowing easy interconnection to other devices or controllers.

Ordering Information:

Products:

Part Number	Manufacturer	Farnell P/N	Newark P/N
CC2520DK	TI	1573886	72M7122

Associated Products:

Part Number	Manufacturer	Description	Farnell P/N	Newark P/N
CC2520RHDT	TI	RF Transceiver IC	1547180	72M7124
MSP430F2618TPM	TI	16-bit MCU	1649455	61M7908
CC2511F32RSP	TI	RF Transceiver IC	1549251	58M0313

Similar Products:

Part Number	Manufacturer	Description	Support Device	Farnell P/N	Newark P/N
CC2420DK	TI	CC2420DK Development Kit	CC2420 RF Transceiver	1248473	80K1267
CC2530ZDK	TI	CC2530 ZigBee Development Kit	CC2530 SoC RF/ZigBee	1752230	11R6294
CC2530DK	TI	CC2430DK Development Kit	CC2430 SoC RF/ZigBee	NA	08R6190

Document List:

Datasheets:

Part Number	Description	Size
CC2520RHDT	RF Transceiver IC	2.4MB
MSP430F2618TPM	16-bit MCU	6.9MB
CC2511F32RSP	RF Transceiver IC	2.78MB

Application Notes:

File Name	Size
Implementation of Micro strip Balun for CC2420 and CC243x and CC2480	126KB
Using CC2591 RF Front End with CC2520	369KB
Optimizing power consumption with the CC2520DK	927KB

Hardware & Software:

File Name	Size
CC2520 Software Examples	678KB
SmartRF Protocol Packet Sniffer	8.5MB