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Cover Letter

The Nano USB stick simplifies development of USB interface for ZigBee and RF4CE applications. The small and low cost design allows integration of ZigBee and RF4CE into PCs, Set-Top boxes, TVs, tablets and smart phones. The Nano USB stick provides an easy integration of ZigBee and RF4CE radios into all types of electronics with USB interface. The CC2531 Nano USB stick comes preprogrammed with Texas Instruments' RemoTI™ stack 1.3. RF output power is set to 4.5 dBm.

The CC2531 Nano USB stick is powered by TI's USB enabled true system-on-chip (SoC) solution for IEEE 802.15.4, ZigBee and RF4CE applications, CC2531. The CC2531 enables USB dongles or USB upgradable network nodes to be built with low total bill-of-material costs. The CC2531 combines the performance of a leading RF transceiver with an industry-standard enhanced 8051 MCU, in-system programmable flash memory, 8-KB RAM, and many other powerful features. The CC2531 has various operating modes, making it suited for systems where ultralow power consumption is required. Short transition times between operating modes further ensure low energy consumption. Source code for USB HID and CDC libraries and examples are downloadable from the CC2531 product page on www.ti.com.

Texas Instruments Norway AS requests Nemko AS to do all necessary testing on CC2531 Nano USB stick to be FCC certified according to FCC CRF 47 Part 15.247 for systems operating in the 2.4GHz ISM band.



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