

STEVAL-IKR001V2D

Sub Ghz transceiver daughterboard based on the SPIRIT1 (315 MHz band)

Data brief



Features

- SPIRIT1 low power sub GHz transceiver in a standalone RF module tuned for 315 MHz band
- Associated SPIRIT1 development kit, including documentation, firmware for STM32L and GUI
- Modulation schemes: 2-FSK, GFSK, MSK, GMSK, OOK, and ASK
- Air data rate from 1 to 500 kbps
- Very low power consumption: 9 mA RX and 21 mA TX at +11 dBm
- Excellent receiver sensitivity (up to -120 dBm)
- Low duty cycle RX/TX operation mode
- Automatic acknowledgment, retransmission, and timeout protocol engine
- AES 128-bit encryption co-processor
- SPI interface for microcontroller
- RoHS compliant

Description

The STEVAL-IKR001V2 demonstration board is based on the SPIRIT1, a sub GHz low power, low data rate transceiver suitable for ISM bands.

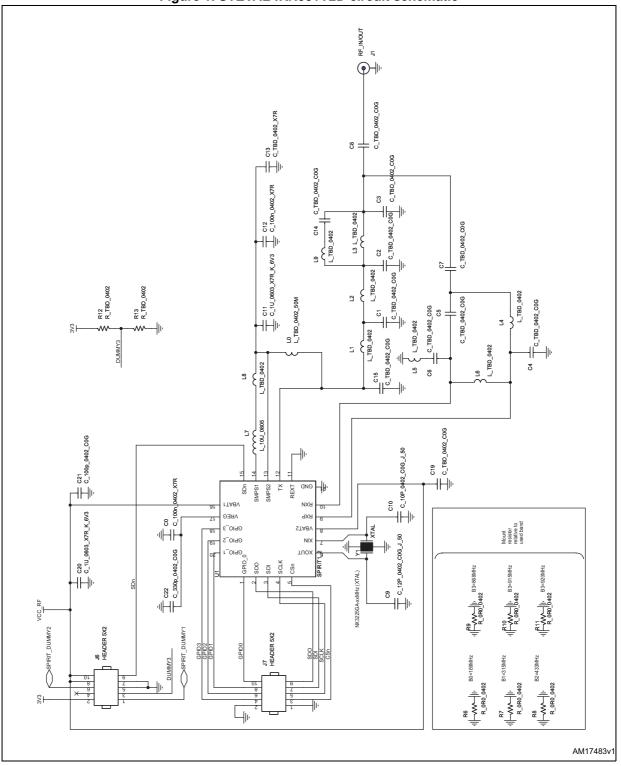
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For further information contact your local STMicroelectronics sales office.



1 Schematic diagram





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2 Revision history

Table 1. Do	cument	revision	history
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Date	Revision	Changes
19-Jul-2013	1	Initial release.



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