

Notification Number:	20210330000	Notification Date:	April 22, 2021
Title:	Datasheet for CC2642R and CC2652R		
Customer Contact:	Notification Manager	Dept:	Quality Services
Change Type: Electrical Specification			

Description of Change:

Texas Instruments Incorporated is announcing an information only notification. The product datasheet(s) is being updated as summarized below. The following change history provides further details.



CC2642R
SWRS194H – JANUARY 2018 – REVISED MARCH 2021

Changes from May 19, 2020 to March 30, 2021 (from Revision G (May 2020) to Revision H (March 2021))

	Page
• Updated the numbering format for tables, figures, and cross-references throughout the document.....	1
• Updated to Bluetooth 5.2 throughout the document.....	1
• Added 3-wire, 2-wire, and 1-wire PTA coexistence mechanisms to the "Radio Section" list in Section 1 Features	1
• Changed the test condition to "Zero cycles" for the Flash sector erase time parameter in Section 8.7, Nonvolatile (Flash) Memory Characteristics	10
• In Section 8.10 : Updated data rate error tolerance (255-byte packets), Selectivity ±2MHz, Selectivity, and Image frequency for 125 kbps (LE coded); Updated data rate error tolerance (255-byte packets), Selectivity ±2MHz, Selectivity, and Image frequency for 500 kbps (LE coded); Updated data rate error tolerance (37-byte packets), Selectivity ±2MHz, and Selectivity ±3MHz, for 1 Mbps (LE 1M); Updated Receiver sensitivity and Selectivity, ±4MHz for 2Mbps (LE 2M).....	10
• Changed note (1) in Section 8.12.2, Wakeup Timing	10
• Changed the frequency of the input tone for 14-bit and 15-bit mode in Section 8.13.1.1	23
• Changed the TYP Offset error and TYP Max code output voltage variation for $V_{REF} = V_{DD5} = 3.8 V, 3.0 V,$ and 1.8 V in Section 8.13.2.1	25
• Added PTA description in Section 9.3, Radio (RF Core)	44
• Added the paragraph that begins "Integrated matched filter-balun devices can be used..." in Section 10.1, Reference Designs	51



CC2652R
SWRS207H – JANUARY 2018 – REVISED MARCH 2021

Changes from May 19, 2020 to March 30, 2021 (from Revision G (May 2020) to Revision H (March 2021))

	Page
• Updated the numbering format for tables, figures, and cross-references throughout the document.....	1
• Updated to Bluetooth 5.2 throughout the document.....	1
• Added 3-wire, 2-wire, and 1-wire PTA coexistence mechanisms to the "Radio Section" list in Section 1 Features	1
• Removed Wi-SUN in the Wireless protocols list items in Section 1 Features	1
• Changed the test condition to "Zero cycles" for the Flash sector erase time parameter in Section 8.7, Nonvolatile (Flash) Memory Characteristics	10
• In Section 8.10 : Updated data rate error tolerance (255-byte packets), Selectivity ± 2 MHz, Selectivity, and Image frequency for 125 kbps (LE coded); Updated data rate error tolerance (255-byte packets), Selectivity ± 2 MHz, Selectivity, and Image frequency for 500 kbps (LE coded); Updated data rate error tolerance (37-byte packets), Selectivity ± 2 MHz, and Selectivity ± 3 MHz, for 1 Mbps (LE 1M); Updated Receiver sensitivity and Selectivity, ± 4 MHz for 2Mbps (LE 2M).....	10
• Changed note (1) in Section 8.14.2, Wakeup Timing	10
• In Section 8.12 : Updated Receiver sensitivity, Blocking and desensitization for 10 MHz, 20 MHz, and 50 MHz, from upper band edge; and Blocking and desensitization for -5 MHz and -10 MHz from lower band edge	10
• Changed the frequency of the input tone for 14-bit and 15-bit mode in Section 8.15.1.1	25
• Changed the TYP Offset error and TYP Max code output voltage variation for $V_{REF} = V_{DD5} = 3.8$ V, 3.0 V, and 1.8 V in Section 8.15.2.1	27
• Updated Figure 8-11 , Figure 8-13 , and Figure 8-16	37
• Added PTA description in Section 9.3, Radio (RF Core)	48
• Added the paragraph that begins "Integrated matched filter-balun devices can be used..." in Section 10.1, Reference Designs	56

The datasheet number will be changing.

Device Family	Change From:	Change To:
CC2642R	SWRS194G	SWRS194H
CC2652R	SWRS207G	SWRS207H

These changes may be reviewed at the datasheet links provided.

<http://www.ti.com/product/CC2642R>

<http://www.ti.com/product/CC2652R>

Reason for Change:

To accurately reflect device characteristics.

Anticipated impact on Fit, Form, Function, Quality or Reliability (positive / negative):

No anticipated impact. This is a specification change announcement only. There are no changes to the actual device.

Changes to product identification resulting from this notification:

None.

Product Affected:

CC2652R1FRGZR	CC2652R1FRGZT	CC2642R1FRGZR	CC2642R1FRGZT
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