PCN Number:		20240730005.0		PCN Date:	August 07, 2024	
Title:	Title: Datasheet for CC2340R					
<b>Customer Contact:</b>		Change Management team	Dept:	Quality Services		
Change Type:		Electrical Specification				

# **PCN Details**

### **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.



CC2340R2, CC2340R5

SWRS272D - APRIL 2023 - REVISED JUNE 2024

C	hanges from Revision C (June 2023) to Revision D (June 2024)	Page
•	Changed the comparison table to the CC2340R family of devicesde	5
•	Added preview for YBG package	8
•	Removed "Untrimmed brownout rising threshold"	
•	Updated parameter name of "Trimmed brownout rising threshold"	19
•	Updated parameter name of "Trimmed brownout falling threshold"	
•	Changed Temperature Sensor " Accuracy"	
•	Changed DCDC "Idle Current - Supply Systems and RAM powered, flash disabled, DMA disabled "	20
•	Changed DCDC "Idle Current — Supply Systems and RAM powered, flash disabled, DMA enabled"	
•	Changed GLDO "Idle Current — Supply Systems and RAM powered, flash enabled, DMA disabled"	20
•	Changed GLDO "Idle Current - Supply Systems and RAM powered, flash enabled, DMA enabled "	20
•	Changed "Reset current"	20
•	Changed "Shutdown Current"	20
•	Changed "Radio transmit current at -8dBm"	21
•	Changed "Radio transmit current at 0dBm, DCDC OFF"	21
•	Changed "Radio transmit current at +4dBm"	
•	Changed "Flash write time"	
•	Changed "Frequency error tolerance" for 1Mbps BLE PHY	22
•	Changed "Data rate error tolerance" for 1Mbps BLE PHY	22
•	Updated footnote 1 in Section 8.14 "Bluetooth Low Energy - Receive (RX)"	22
•	Changed "Selectivity, +3MHz" for 1Mbps BLE PHY	22
•	Changed "Frequency error tolerance" for 2Mbps BLE PHY	22
•	Changed "Data rate error tolerance" for 2Mbps BLE PHY	
•	Changed "f > 1 GHz, including harmonics"	
•	Changed min value of "Crystal load capacitance"	27
•	Removed "Temperature coefficient"	28

	Changed "SPI clock frequency".			2	
•	Added footnote (1)	Changed "SPI clock frequency"			
•	Changed "CS access time, CS active to POCI data out - VDDS=3.3V"				
•	Changed "CS access time, CS active to POCI data out - VDDS=1.8V"				
•	Changed "CS disable time, CS inactive to POCI high inpedance - VDDS=3.3V"				
•	Changed "CS disable time, CS i	nactive to POCI high impedance	- VDDS=1.8V"	29	
•	Changed "PICO input data setu	p time"		29	
•	Changed "POCI output data valid time" at 3.3V				
•					
•	Changed "POCI output data valid time" at 1.8V				
•					
•	Added "Data setup time" at f SCL = 100kHz.				
•	Changed "Data setup time" at f	SCL > 100kHz		3	
•	Changed "GPIO pullup current"	at 1.8V		3	
•	Changed "GPIO pulldown curre	nt" at 1.8V		3	
•			I.8V		
•	Changed "GPIO high-to-low input transition, with hysteresis" at 1.8V				
•	Changed "GPIO input hysteresis	s" at 1.8V		32	
•	Changed "GPIO VOH at 10 mA load" at 3.0V				
•	Changed "GPIO VOL at 10 mA load" at 3.0V				
•	Changed "GPIO VOH at 2 mA load" at 3.0V				
•	Changed "GPIO VOL at 2 mA load" at 3.0V				
•	Changed "GPIO pullup current" at 3.8V				
•	Changed "GPIO pulldown current" at 3.8V				
•	Changed "GPIO low-to-high input transition, with hysteresis" at 3.8V				
•	Changed "GPIO high-to-low input transition, with hysteresis" at 3.8V				
•	Changed "GPIO input hysteresis	s" at 3.8V		3	
•	Added "Temperature Error" of Te	emp diode inside ADC		3	
•	Changed "Ultra-low power comp	parator current consumption"		3	
_					
he	datasheet number will be				
De	vice Family	Change From:	Change To:		
	2340R	SWRS272C	SWRS272D		
U			1		

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 PCN:

None.

### **Product Affected:**

CC2340R21N0RGER	CC2340R22E0RKPR	CC2340R22N0RKPR	CC2340R52E0RGER
CC2340R52E0RKPR	CC2340R52N0RGER	CC2340R52N0RKPR	

For questions regarding this notice, e-mails can be sent to the Change Management team or your local Field Sales Representative.

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