

<b>Notification Number:</b>	20230522009.0	<b>Notification Date:</b>	May 24, 2023
<b>Title:</b>	Datasheet for AFE4460		
<b>Customer Contact:</b>	<a href="#">Notification Manager</a>	<b>Dept:</b>	Quality Services
<b>Change Type:</b>	Electrical Specification		

## Notification 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.



**AFE4460**

SBASAJ5A – JUNE 2022 – REVISED APRIL 2023

### Changes from Revision \* (June 2022) to Revision A (April 2023)

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• Changed the PDNAFE table note for the RX_SUP and IO_SUP current parameters in the <i>Electrical Characteristics – PPG Signal Chain</i> table .....	8
• Added parameter <i>Minimum serial clock speed</i> to the <i>Electrical Characteristics – Interface</i> table.....	10
• Added tSTECLK23 parameter and table note to the <i>SPI Interface Timing</i> .....	10
• Changed <i>Figure 6-1</i> .....	10
• Changed table note in <i>Table 7-2</i> .....	18
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• Changed <i>Table 7-9</i> .....	25
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• Added information to the S'0 table note in <i>Table 7-13</i> .....	29
• Changed <i>Figure 7-18</i> .....	31
• Added <i>Analog-to-Digital Converter (ADC)</i> section.....	45
• Divided <i>ADC Averaging for PPG Phase Conversions</i> section into <i>ADC Averaging for PPG Phase Conversions</i> and <i>ADC Code During Output Saturation</i> .....	45
• Changed <i>Dynamic Range Enhancement (DRE)</i> to <i>Dynamic Range Extension (DRE)</i> in the <i>Overview - Input DC Cancellation</i> section.....	47
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• Added column <i>Register Name</i> to the <i>Register - Map Page 0</i> table.....	76
• Changed the names for Register 3 in <i>Table 7-48</i> .....	82
• Added information to the PDN_OSCL_IN_DEEP_SLEEP bit description in <i>Table 7-59</i> .....	90
• Added information to the PDNAFE bit description in <i>Table 7-61</i> .....	91
• Changed <i>LED_SW: Register 2x</i> to <i>LED_SW: Register 20h</i> .....	113

The datasheet number will be changing.

Device Family	Change From:	Change To:
AFE4460	SBASAJ5	SBASAJ5A

The document is not available on the TI website. Please contact the document owner at [tsmanu@ti.com](mailto:tsmanu@ti.com) or visit the MySecure site for a copy of the full datasheet.

### 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 documentation change announcement only. There are no changes to the actual device.

<b>Changes to product identification resulting from this notification:</b>			
None.			
<b>Product Affected:</b>			
AFE4460YBGR	AFE4460YBGT		

For questions regarding this notice, e-mails can be sent to the regional contacts shown below or your local Field Sales Representative.

<b>Location</b>	<b>E-Mail</b>
WW Change Management Team	<a href="mailto:PCN_ww_admin_team@list.ti.com">PCN_ww_admin_team@list.ti.com</a>

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