

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460



OFFICE OF
AIR AND RADIATION

May 31, 2018

Dear ENERGY STAR® Room Air Conditioner Brand Owners and Other Interested Parties,

In recognition of new advances in efficient technology entering the market, the U.S. Environmental Protection Agency (EPA) is clarifying the ENERGY STAR testing requirements for room air conditioners with efficient variable output and communicating a pathway for these products to earn ENERGY STAR certification. As demonstrated in other product categories such as mini-split air conditioning systems, variable speed products result in greater efficiency compared to a system with fixed-speed components, owing to their ability to optimize performance over a range of cooling loads. Instructions for testing and certifying products with variable output are included in Section 5 of the enclosed draft Version 4.1 specification. Room Air Conditioners previously certified to Version 4.0 are not affected by this change.

Proposed Changes to the Test Requirements Section

Table 5: Test Methods for ENERGY STAR Certification

ENERGY STAR Requirement	Test Method Reference
CEER	10 CFR 430, Subpart B, Appendix F OR DOE-approved test procedure waiver pursuant to 10 CFR Part 430.27*

* DOE understands that various basic models may need a test procedure waiver to show the benefits of various operations pursuant to 10 CFR Part 430.27.

EPA is also making several clarifying updates to the specification in order to: a) maintain alignment with DOE definitions and CFR citations; b) reference the finalized ENERGY STAR Test Method for Room Air Conditioners to Validate Demand Response (June 2017); and c) clarify wording in the testing section.

If you have comments or concerns about this amendment, please submit them by July 2, 2018 to appliances@epa.gov. Please direct any specific questions to Melissa Fiffer, EPA, at fiffer.melissa@epa.gov or (202) 343-9464 and Steve Leybourn at ICF, Steve.Leybourn@icf.com or (202) 862-1566.

Thank you for your continued support of ENERGY STAR.

Sincerely,

A handwritten signature in black ink that reads "Melissa Fiffer".

Melissa Fiffer, Product Manager
ENERGY STAR Appliances