
From: Joe Murru [<mailto:joe.murru@csagroup.org>]
Sent: Friday, March 04, 2016 9:20 AM
To: Malinowski, Matt <Matt.Malinowski@icfi.com>
Subject: STB Ver. 5.0 draft 2

Hi Matt,

There is a note in the draft 2 spec as follows:

Note: DOE received a stakeholder comment that a newer CEA-2043 version from August 2013 is available. This version **is the same as the June 2013 version** and DOE has updated all references to the August version.

I believe the new Aug 2013 version being referred to in the draft 2 spec is now published by ANSI/CTA and called Set-top Box (STB) Power Measurement ANSI/CTA-2043 August 2013, is that correct?

Thanks
Joe

From: Joe Murru [<mailto:joe.murru@csagroup.org>]
Sent: Thursday, March 03, 2016 1:45 PM
To: Malinowski, Matt <Matt.Malinowski@icfi.com>
Subject: ENERGY STAR STB Ver. 5.0 Draft 2 test method

Hi Matt, I see that in section 5.2 of the ENERGY STAR STB Ver. 5.0 Draft 2 test method, there are two sections labeled A) and two labeled B). I assume that that's a typo.

Thanks
Joe

From: Joe Murru [<mailto:joe.murru@csagroup.org>]
Sent: Monday, February 29, 2016 1:00 PM
To: Malinowski, Matt <Matt.Malinowski@icfi.com>
Subject: ENERGY STAR STB Ver 5.0 Draft 2

Hi Matt, Hope you're doing well !

Just starting to have some time to get into the new STB spec. Unfortunately I couldn't attend the last webinar.

Please see question below in red.

Equation 2: TEC Calculation

$$\text{TEC} = 0.365 [(\text{TWATCH_TV} \times \text{PWATCH_TV}) + (\text{TSLEEP} \times \text{PSLEEP}) + (\text{TAPD} \times \text{PAPD_ON_to_SLEEP}) + (\text{TSCHED_SLEEP} \times \text{PSLEEP_SP_2})]$$

Where:

- **TWATCH_TV** is the time coefficient for On Mode, as determined per Table 1
- **PWATCH_TV** is the measured power in On Mode (W);
- **TSLEEP** is the time coefficient for Sleep Mode, as determined per Table 1;
- **PSLEEP** is the measured power in Sleep Mode, including **Deep Sleep** (W); ← **Should it say Sched sleep as opposed to Deep Sleep?**
- **TAPD** is the time coefficient for APD, as determined per Table 1;
- **PAPD_ON_to_SLEEP** is the measured power after an APD timeout (W);
- **TSCHED_SLEEP** is the time operating in Scheduled Sleep Mode (maximum of 4h); and
- **PSLEEP_SP_2** is the measured power in an automatic Scheduled Sleep Mode (W).

Thanks

Joe