Document Energy Star Program Requirements for Set-top Boxes Draft 2 - Version 2.0 10/22/07

Company Intel
Contact Eric Auzas
Tel: 480-554-5514

Email: <u>Eric.R.Auzas@Intel.com</u>

#	Page#	Line #	Description
			Advanced Video Processing is typically defined as deblocking, deinterlacing, scaling, deringing, etc. I
			think Advanced Video Codec is what is being described in the definition and it should include VC-1, H264.
1	6	251	MPEG4 does not indicate what profile.
2	5		Should there be a definition of Hybrid IPSTB where this is an IPSTB with a tuner
			Can the following allowances also be considered: Advanced video codecs, Advanced video post
3	9	410	processing, 3D graphics, DRAM, High end application processor, DOCSIS, OOB
			Once the IPSTB power is added will the High Definition allowance also include it? We are wondering why
4	9	412	the note about the HD allowance only applicable to Cable and Satellite STBs please ellaborate?
5	5	217	Which version of cable card is this?
6	9	410	Should there also be an additional allowance for Cable Card 1.0 and 2.0 and DOCSIS?
			Item I Additional Functionalities - mention of Advanced Video Processing , believe this is supposed to be
7	8	236	Advanced Video Codecs
			under the annual energy equation with no auto power down, does the 14 hours and 10 hours always stay
8	10	472	fixed with these numbers or does it change depending on the usage model?
			The section on Electronic Program Guide and System Update Requirements is a bit confusing, since we
			would expect a box in standby mode to continue to read data from the OOB (or DSG) channel all the time.
			It appears that a box that meets the power allowances based on the equations in the above sections can
			still fail to be energy star compliant if they spend more than 3 hours/day reading data from OOB. In today's
9	12	547	usages, some data is read continuously and some is read on a daily schedule.