

Line(s)	Comment
91 - 95	It should be decided if a manufacturer is allowed to add the ENERGY STAR label to a STB if it is being sold to a non-ENERGY STAR service provider. The manufacturer has little control over how the service provider might use the product once it is deployed.
204 - 206	We suggest adding the following (or similar) text to the definition; “An IP STB does not require a channel tuner(s) to receive television signals”. The definition needs to distinguish between a pure IPTV solution and a “hybrid” solution.
410	The “Additional Tuners – OTA” Tier 1 and Tier 2 allowances are too small. The OTA tuner allowance should assume new STBs will have an ATSC tuner implementation (Perhaps the TIAX data is a measure off older NTSC tuners that already exist in the field). We recommend that an OTA tuner have the same “Annual Energy Allowance” as an additional satellite or cable tuner.
469 - 470	P_{TV} , $P_{Standby}$, and $P_{Auto PD}$ need to be defined in more detail somewhere.
515	The “Additional Tuner Usage” category in Table 3: Duty Cycle needs an example or explanation. Is this the power consumption when a PIP (picture-in-picture) function is turned on? Or is this an estimate of the time the user would be using an additional tuner to watch TV while recording on another channel? Additional tuner usage may not relate to playback or record hours.
521	The “W’s” should be “P’s” in this line to agree with line 510.
530 - 531	The sentence should end after the close parenthesis. Only the measured, test based, power should be included.
General	ENERGY STAR should investigate the possibility of a direct measurement of the KWh usage over a 24 hour test cycle for the initial Version 2 specification. ENERGY STAR could specify the measurement device accuracy (or a specific KWh device) and then just specify the number of hours an STB must run in each mode of operation; watching TV, recording, playback and standby. This could be done for the most common STB configurations; base, w/DVR, w/DVD, etc. and potentially could be simpler for manufacturers to understand and implement. The resulting 24 hour KWh usage could then be used to create the Annual TEC.
General	We recommend that specific instructions be included in the document for multiple TV STBs. The industry is quickly moving in this direction (whole home DVRs, etc.) and these type of products need to be included as part of the ENERGY STAR specification.