Optimizing FreeBSD Power Consumption on Modern Intel Laptops

My current FreeBSD laptop is a 2020 14" HP Spectre x360, which uses Intel?S 11th Gen CPU and "Evo" platform, although I previously also had the 13" 2020 version with a similar setup (but lacked working audio on non-Windows). This article isn?t specific to HP: your shiny-new Lenovo ThinkPad, Dell XPS, or Framework Laptop can also apply.

One thing with FreeBSD is that unlike Windows or desktop Linux, the default configuration is poorly optimized for laptops that are newer than your ancient ThinkPad T420, or maybe a T460s.

Having run FreeBSD on TigerLake on-and-off since December 2020 on two laptops, there are a few things to keep in mind. These are: [...]
there is a known issue found by dv@ where this patch causes a firmware error, sysassert 0x20101A25. The reason for this is not known. It would help to get more testing to see if more clues can be found based on where this error pops up. I cannot reproduce the error myself.

Source URL: http://www.tuxmachines.org/node/162431

Links:
[3] https://undeadly.org/cgi?action=article;sid=20220310135156