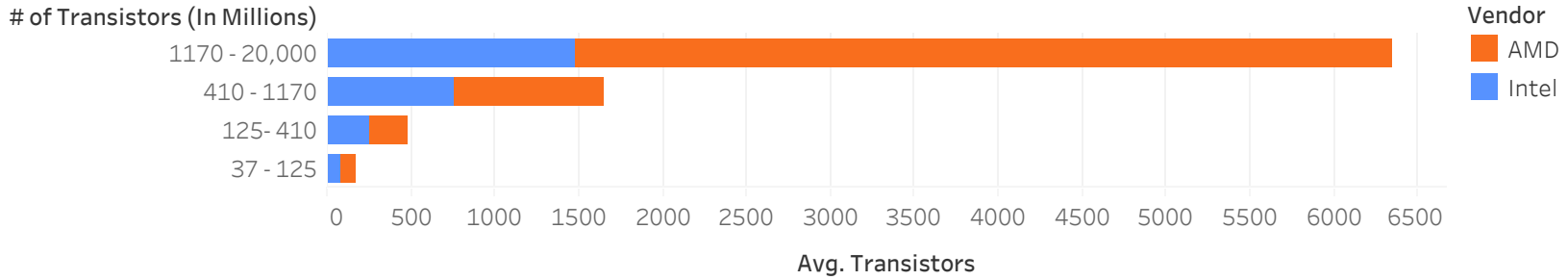
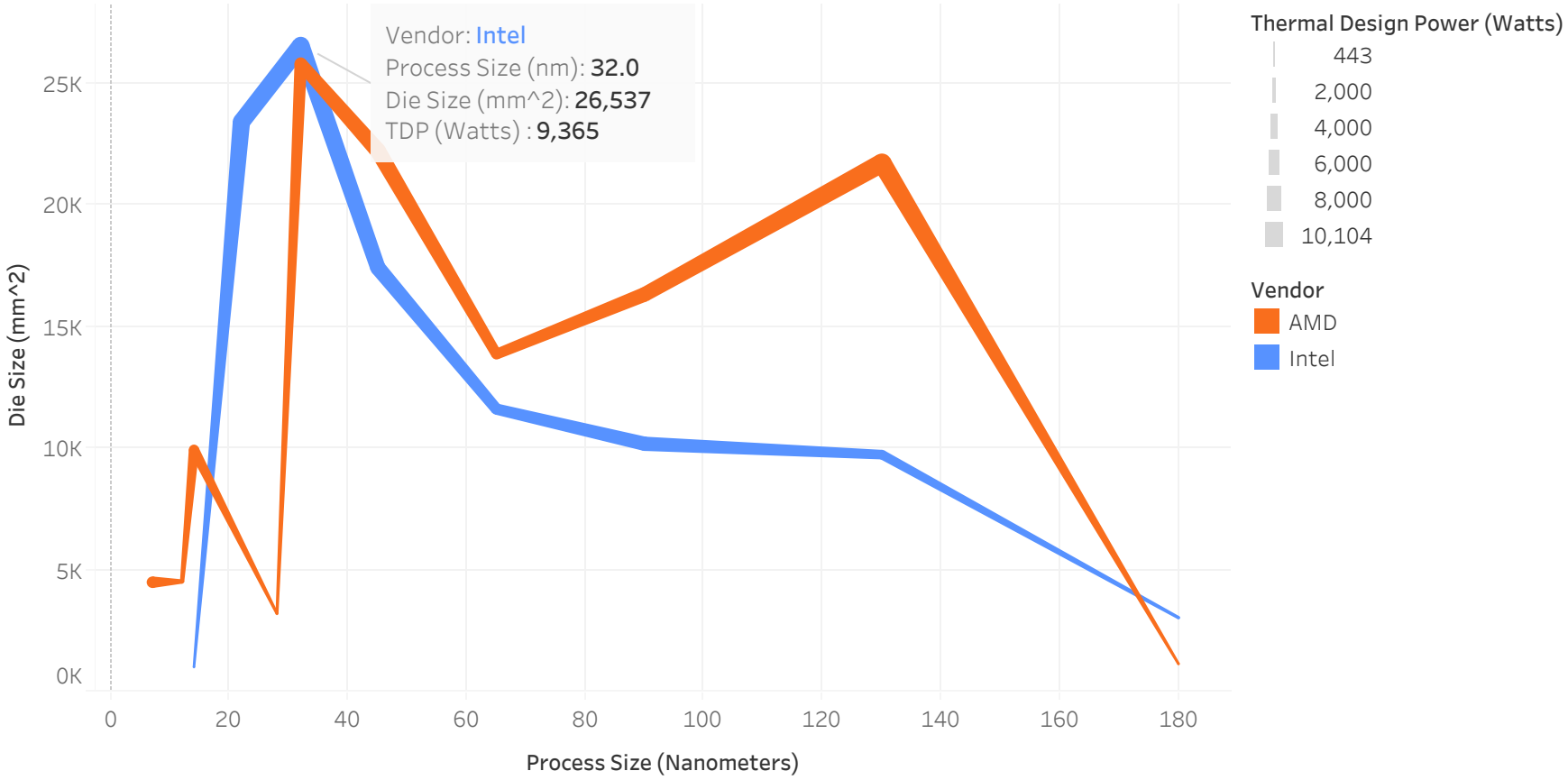
On average, AMD dominates the field in CPU transistors with their best chips having **more than triple** the transistors than their main competition, Intel.



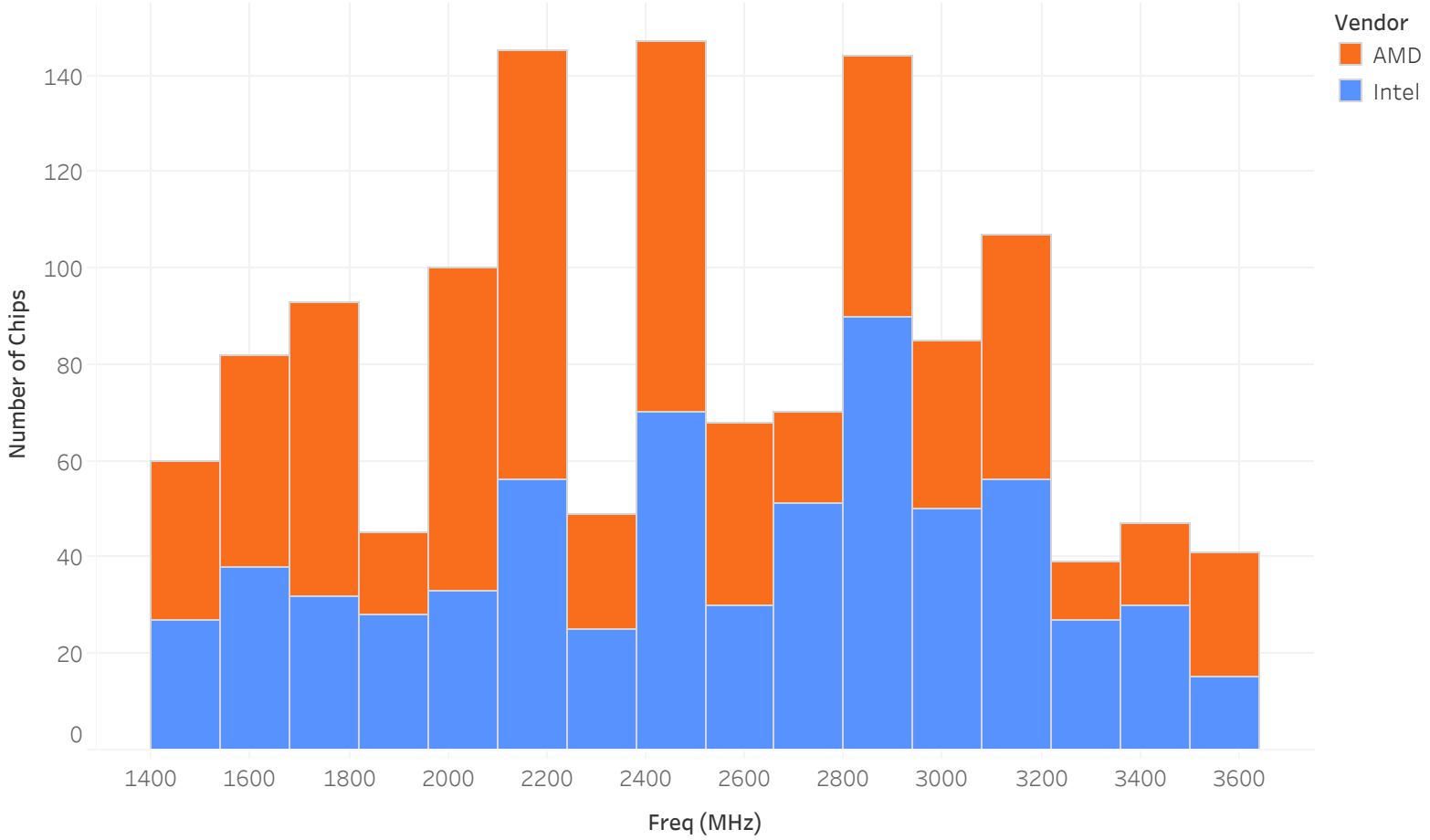
Average of Transistors for each # of Transistors (In Millions). Color shows details about Vendor.

Both Intel and AMD manufacture chips with large dies and miniscule process sizes, but Intel has been more successful in making their **high-end chips more thermally adaptive.**



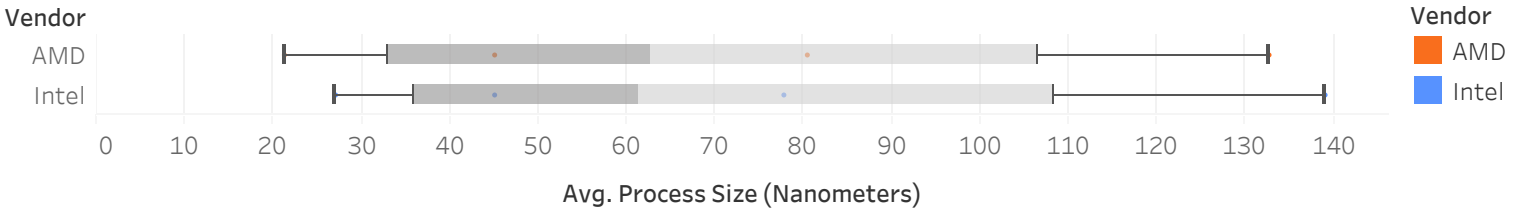
The trend of sum of Die Size1 for Process Size (Nanometers). Color shows details about Vendor. Size shows sum of TDP.

Metrics aside, AMD makes significantly more CPU chips than Intel, with their biggest leads being in **mid-tier chips from 2200-3000 MHz.**



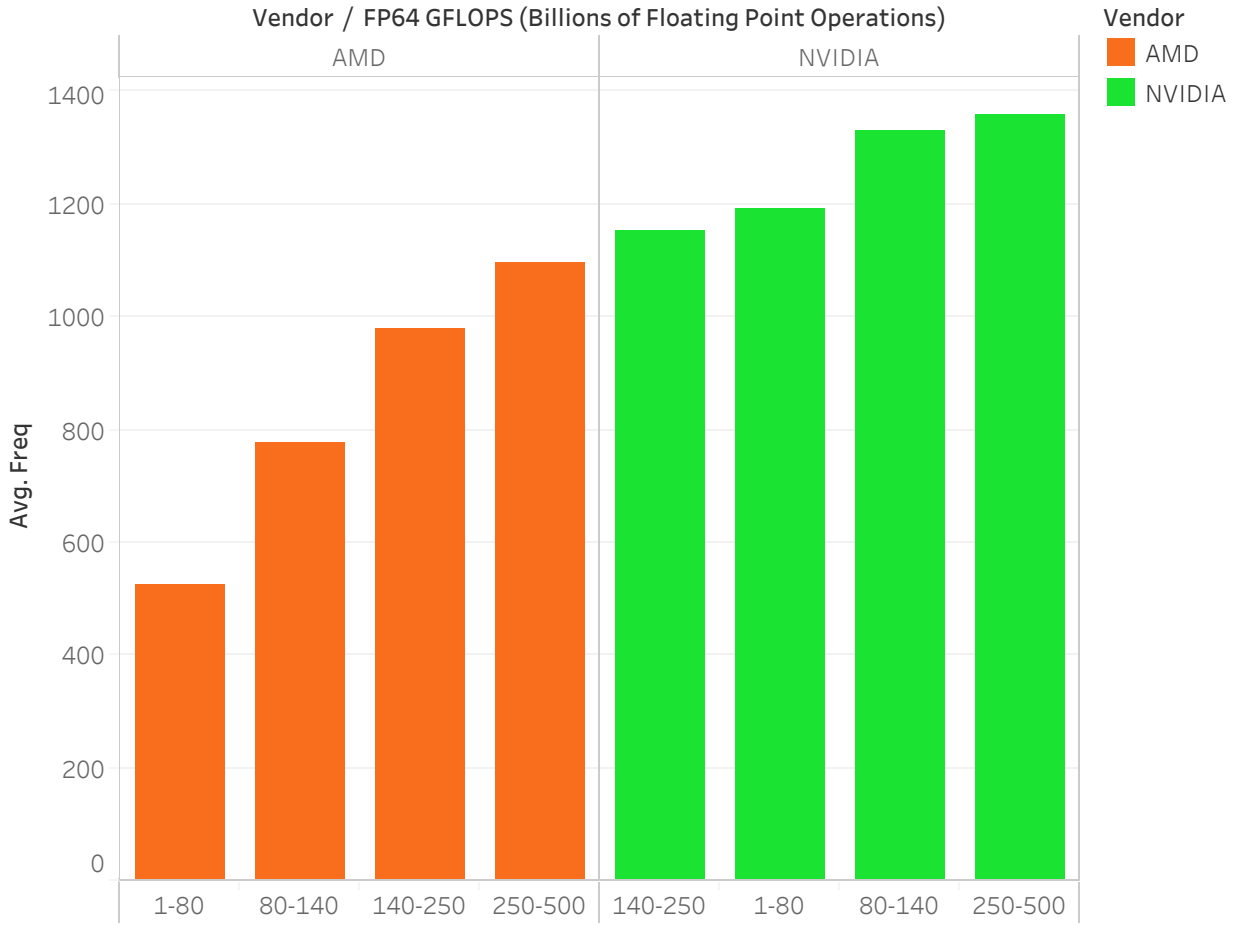
The trend of count of Freq for Freq (bin). Color shows details about Vendor.

Both Intel and AMD's typical process size ranges from 35-105 nanomemters, with their **newest and oldest chips representing their edge cases.**



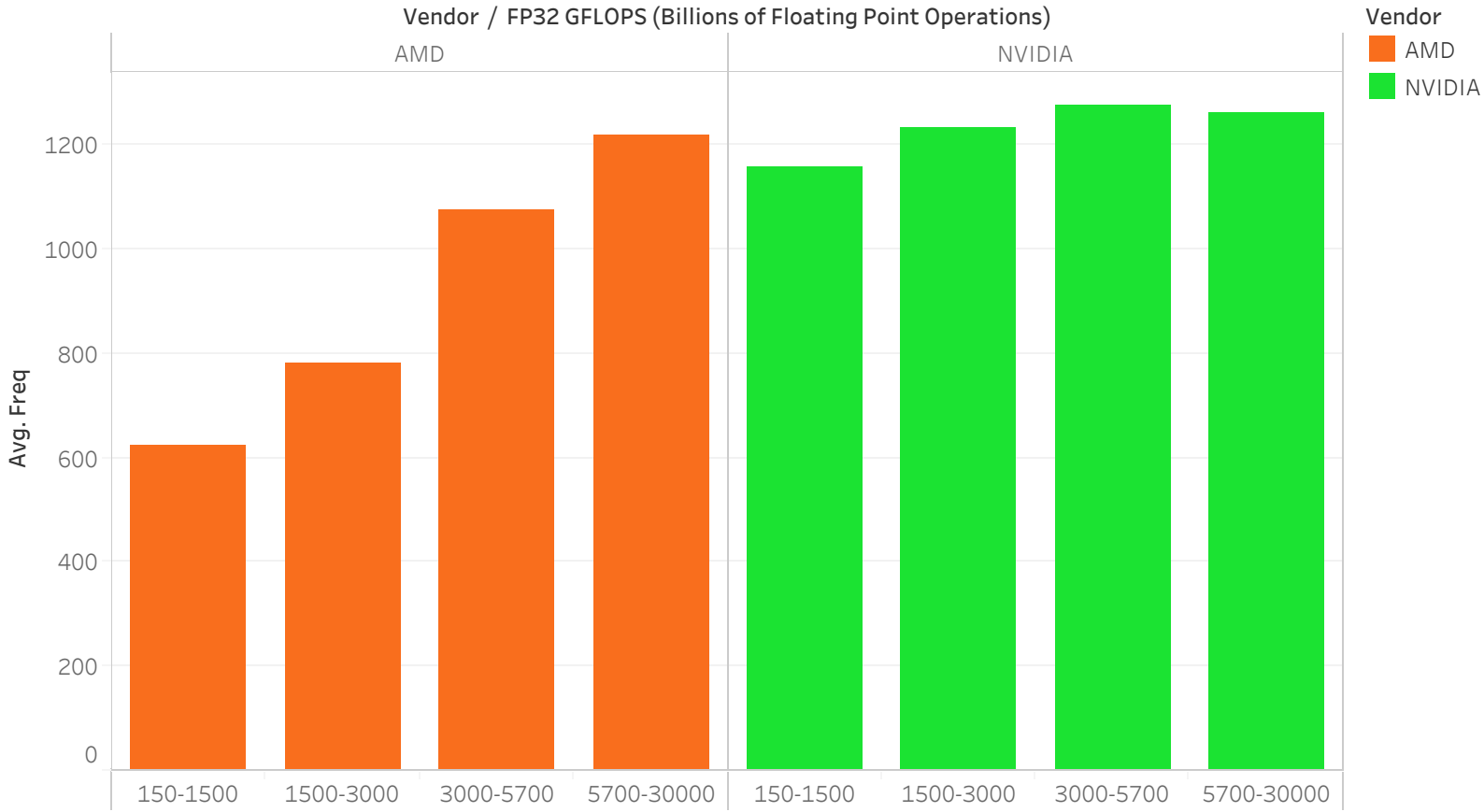
Average of Process Size (Nanometers) for each Vendor. Color shows details about Vendor. Details are shown for Process Size (nm).

When it comes to GPUs, NVIDIA has a **clear lead in the market**, with their sloweset FP64 chips being faster than AMD's fastest FP64 chips.



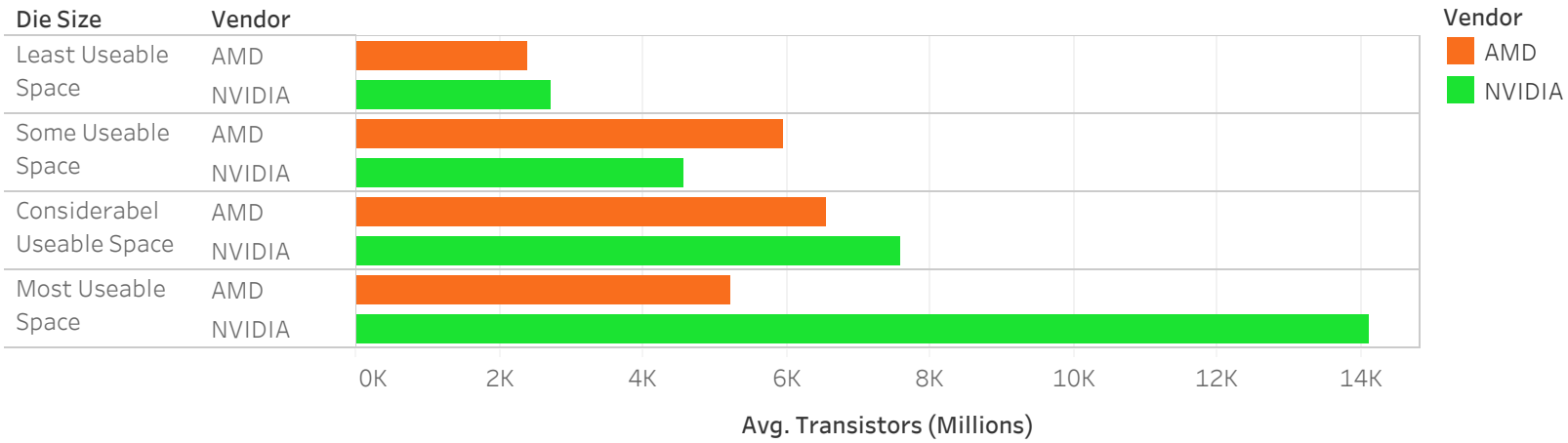
Average of Freq for each FP64 GFLOPS (Billions of Floating Point Operations) broken down by Vendor. Color shows details about Vendor.

NVIDIA continues to outperform AMD even in FP32 chips, where **AMD** was able to exceed **NVIDIA**'s frequency limit on their second most powerful FP32 chips.



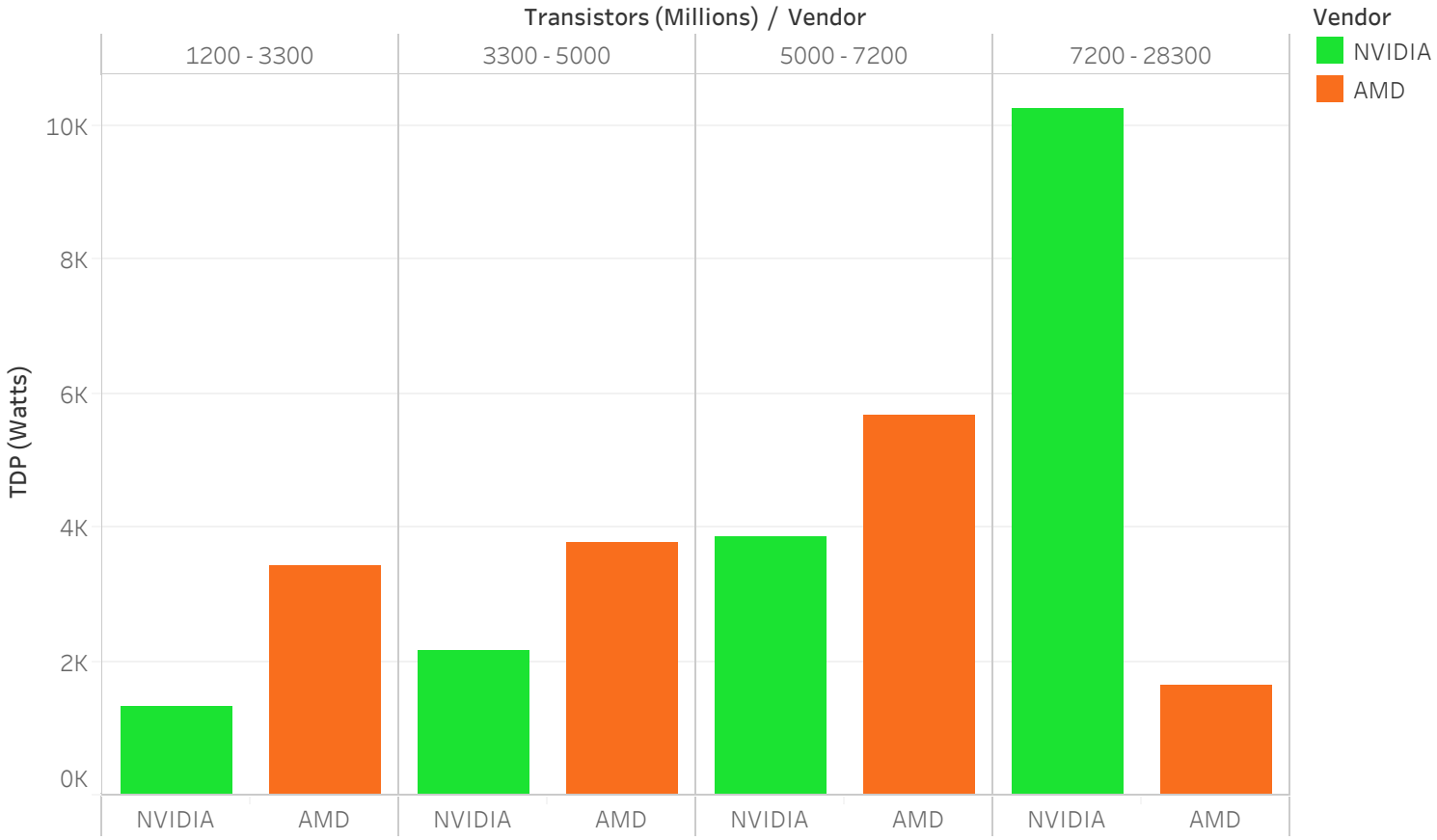
Average of Freq for each FP32 GFLOPS (Billions of Floating Point Operations) broken down by Vendor. Color shows details about Vendor.

NVIDIA vastly outperforms AMD on GPU chips with the largest Die sizes, nearly tripling the number of transistors on those chips compared to AMD hardware.



Average of Transistors for each Vendor broken down by Die Size. Color shows details about Vendor.

For some time AMD had a leg up over NVIDIA's TDP ratings, **but next-gen chips have seen AMD's TDP drop significantly** while NVIDIA continues to rise.



Sum of TDP for each Vendor broken down by Transistors (Millions). Color shows details about Vendor.