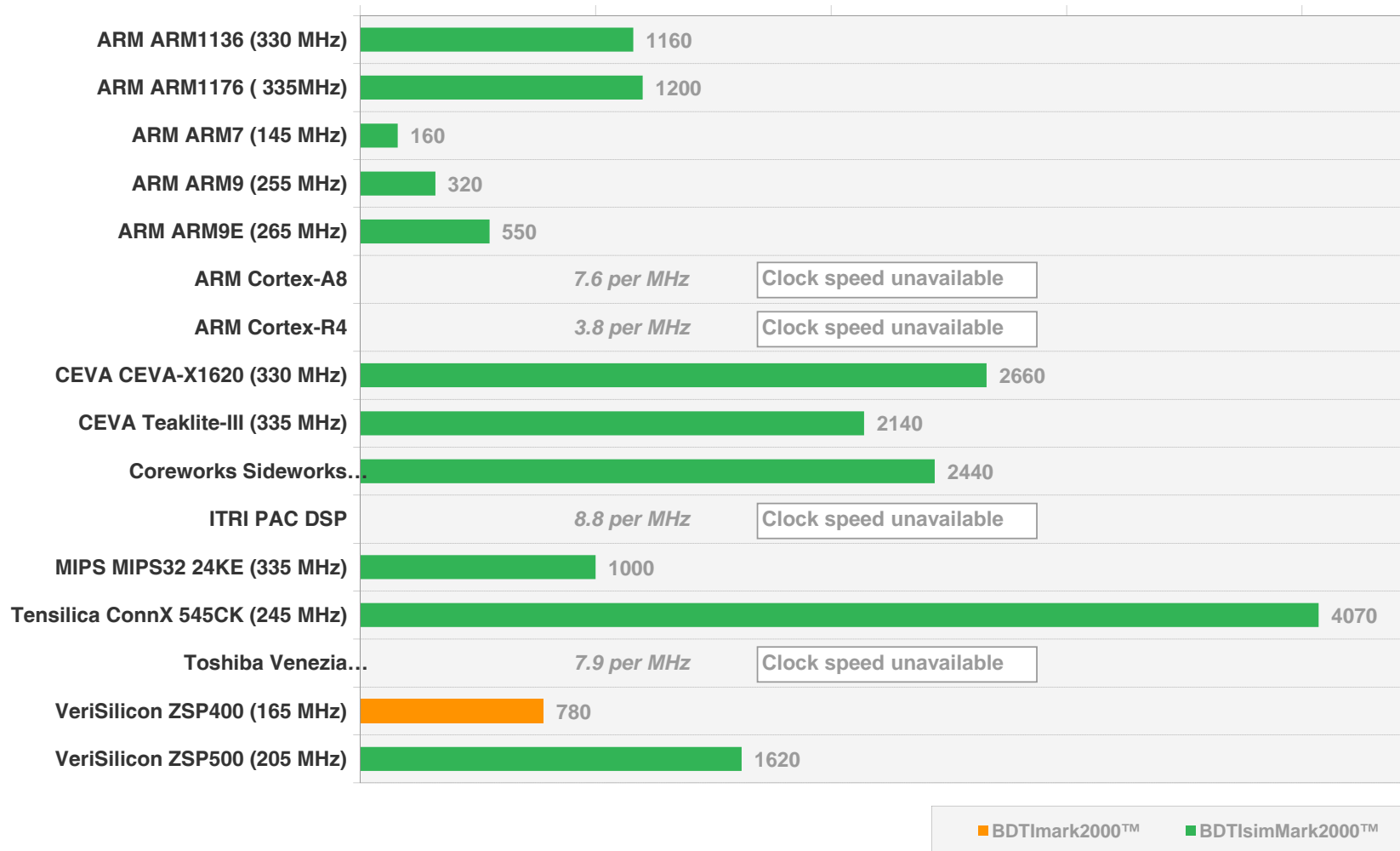


Speed Scores for Fixed-Point Licensable Cores (130 nm)

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All processors benchmarked with 16-bit fixed-point data. All scores use worst-case clock speeds for the TSMC CL013G process and ARM Artisan SAGE-X library. Vendors can choose different speed/area/power trade-offs; to understand the trade-offs, please view all BDTI metrics for each core. BDTIsimMark2000™ scores may be based on projected clock speeds. For information, see www.BDTI.com/Services/Benchmarks.
 1Coreworks scores include both a customized SideWorks DSP engine and the FireWorks 32-bit RISC processor. The SideWorks core used to implement the BDTI DSP Kernel Benchmarks includes four 16-bit multiplier units, six 32-bit ALUs, five shift units, six data multiplexing units, two data de-multiplexing units, two bit-reverse units, a bit unpack unit, and 6K bytes of memory. Different versions of the SideWorks core will yield different performance, power consumption, and die size figures than those reported here.