# Intel® oneAPI VTune™ Profiler 2021.1.1 Gold

**Elapsed Time:**            22.549s
  **CPU Time:**            22.111s
  **Memory Bound:**            3.9% of Pipeline Slots
    **L1 Bound:**            5.7% of Clockticks
    **L2 Bound:**            0.8% of Clockticks
    **L3 Bound:**            1.2% of Clockticks
    **DRAM Bound:**            0.5% of Clockticks
      **DRAM Bandwidth Bound:**   0.0% of Elapsed Time
    **Store Bound:**            1.3% of Clockticks
  **Loads:**            29,510,085,276
  **Stores:**            13,285,598,556
  **LLC Miss Count:**            1,200,084
  **Average Latency (cycles):**   9
  **Total Thread Count:**            1
  **Paused Time:**            0s

## Bandwidth Utilization:

| Bandwidth Domain | Platform Maximum | Observed Maximum | Average | % of Elapsed Time with High BW Utilization(%) |
|---|---|---|---|---|
| DRAM, GB/sec | 10 | 6.500 | 0.122 | 0.0% |

## Collection and Platform Info:

**Application Command Line:**   ./codecs/hhi-vvc-codec/encoder/vvencFFapp "-c" "./configs/hhi-vvc-codec/randomaccess_medium.cfg" "-i" "./sequences/CLASS_A/Kimono_1920x1080_24.yuv" "-wdt" "1920" "-hgt" "1080" "-b" "./bin/hhi-vvc-codec/randomaccess_medium.cfg/CLASS_A/Kimono_1920x1080_24_QP_37_hhi-vvc-codec.bin" "-o" "./rec_yuv/hhi-vvc-codec/randomaccess_medium.cfg/CLASS_A/Kimono_1920x1080_24_QP_37_hhi-vvc-codec.yuv" "-fr" "24" "-fs" "0" "-f" "2" "-q" "37"

**User Name:**            root

**Operating System:**            5.4.0-62-generic DISTRIB_ID=Ubuntu DISTRIB_RELEASE=18.04 DISTRIB_CODENAME=bionic DISTRIB_DESCRIPTION="Ubuntu 18.04.5 LTS"

**Computer Name:**            eimon

**Result Size:**            82.3 MB

**Collection start time:**            22:15:58 01/02/2021 UTC

**Collection stop time:**            22:16:21 01/02/2021 UTC

**Collector Type:**                Event-based sampling driver

**CPU:**
   **Name:**                  Intel(R) Processor code named Kabylake ULX

   **Frequency:**             1.992 GHz

   **Logical CPU Count:**     8

   **Max DRAM Single-Package Bandwidth:**  10.000 GB/s

   **Cache Allocation Technology:**
     **Level 2 capability:**      not detected

     **Level 3 capability:**      not detected