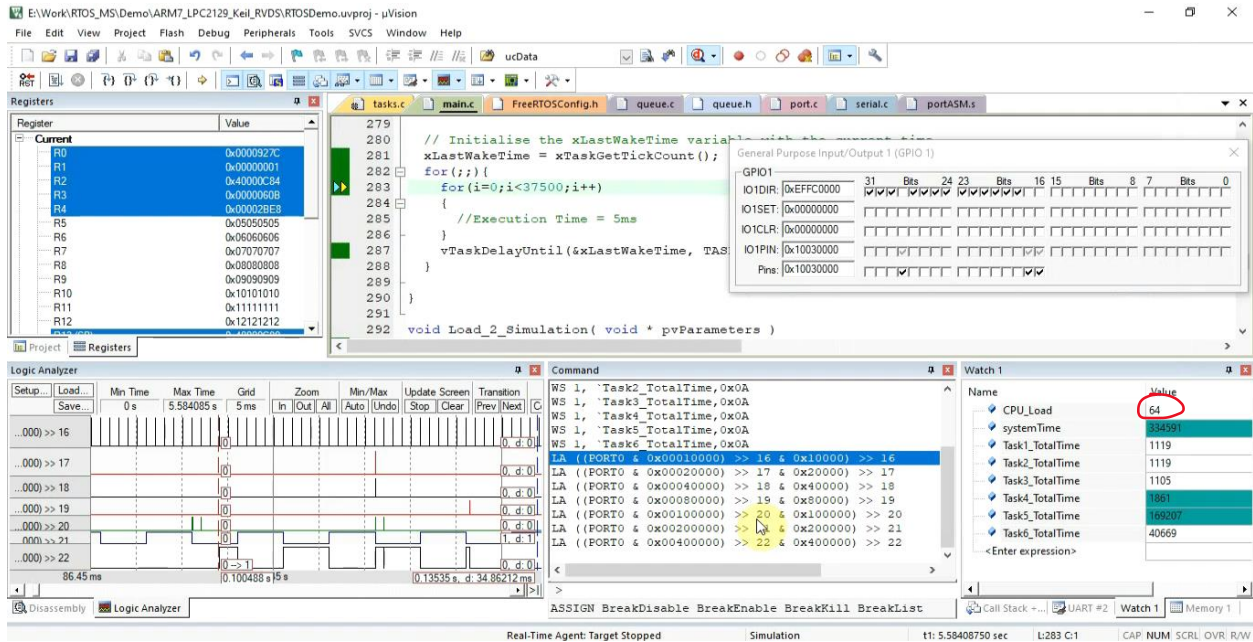
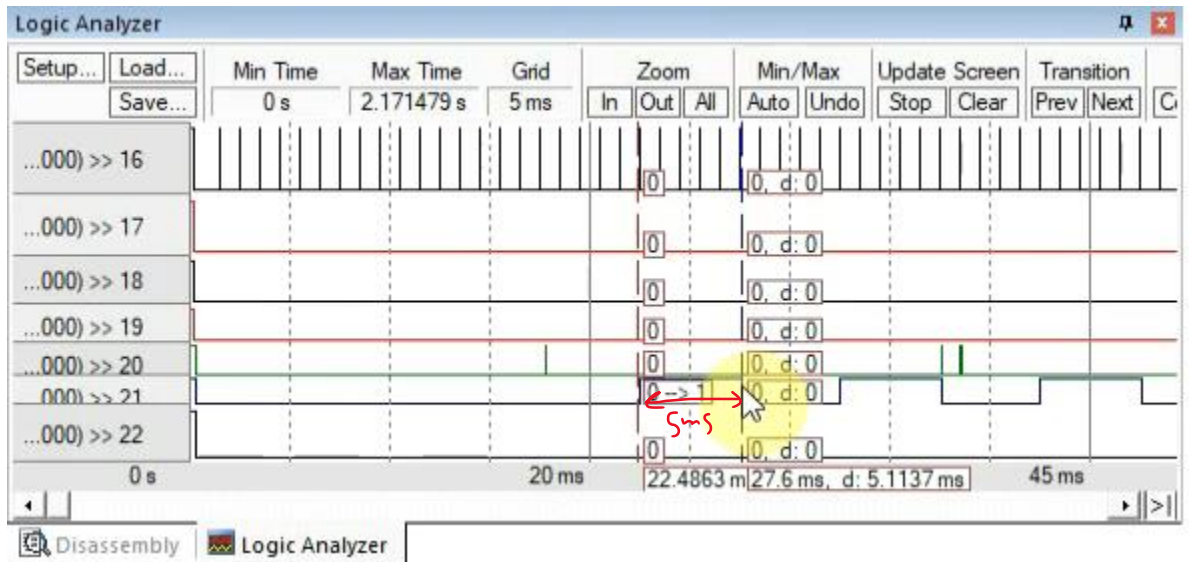


Report of Implementing FreeRTOS EDF Scheduler

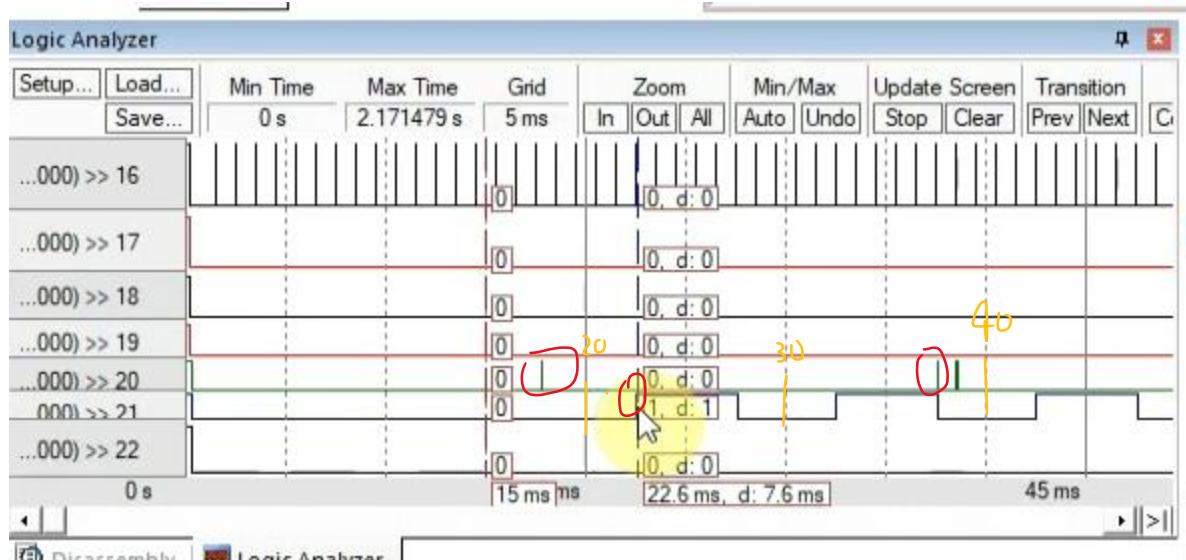
- verification methods :
 - 1- Keil uVision Logic Analyzer View



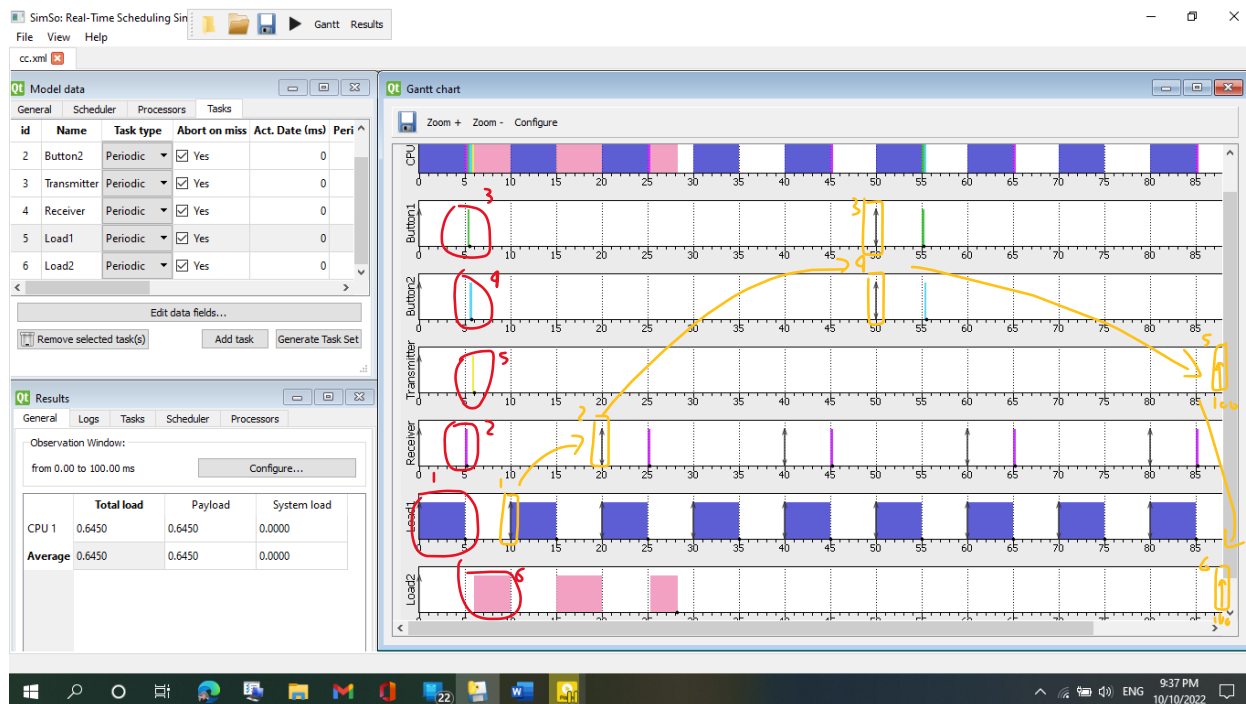
Task 5 (Load 1) : Execution time = 5 ms as expected.



UARTTask executed first because its deadline was first(20ms) until Load 1 scheduled so it has executed earlier since its deadline (10ms) , then UART Task executed .



2- Using Simso offline simulator



CPU Load = 64% almost the same percentage as the real schedular performance of keil.

- from Gantt Chart we conclude the mentioned points in keil simulator, the most important conclusion is:

the earlier the deadline , the earlier execution of this task happens.