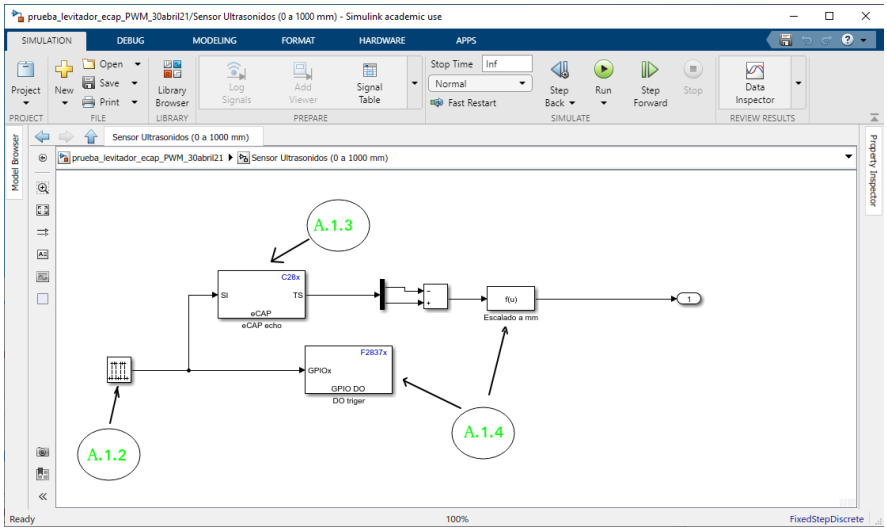
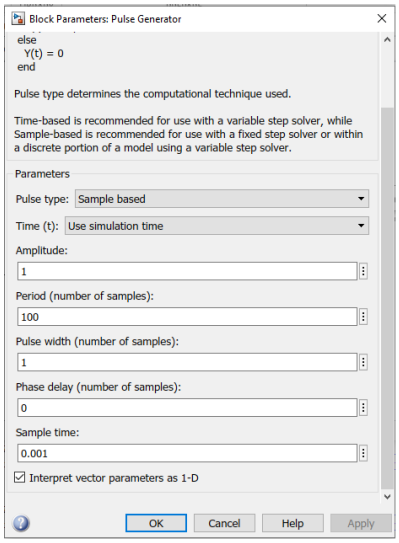
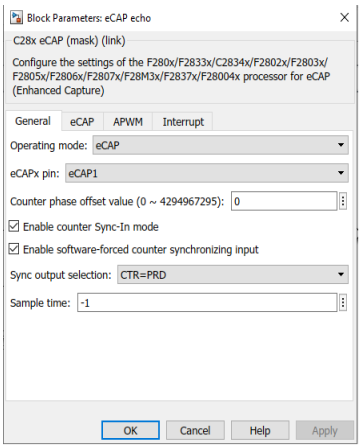
ANEXO A:
A. Configuración de los Bloques:
A.1 Bloque sensor de Ultrasonidos:

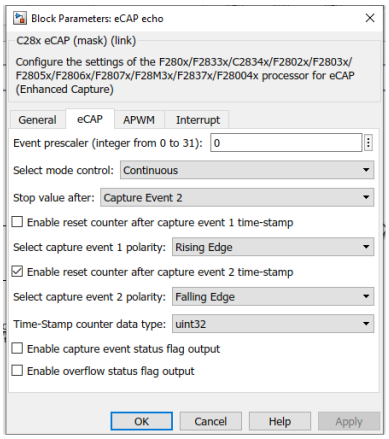


A.1.2 Generador de pulsos:

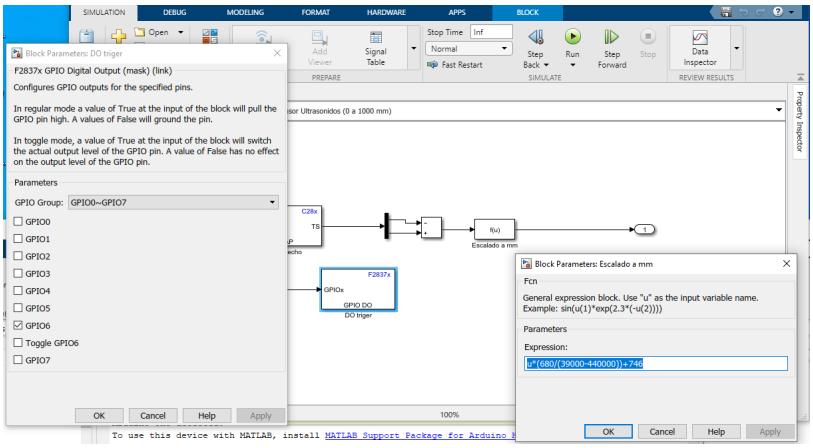


A.1.3 Bloque ecap echo:

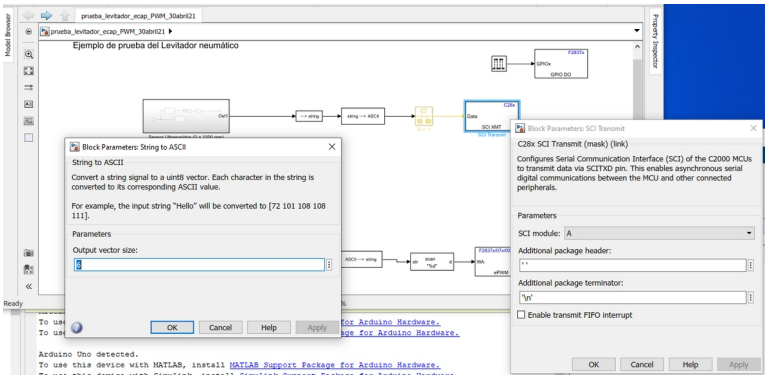




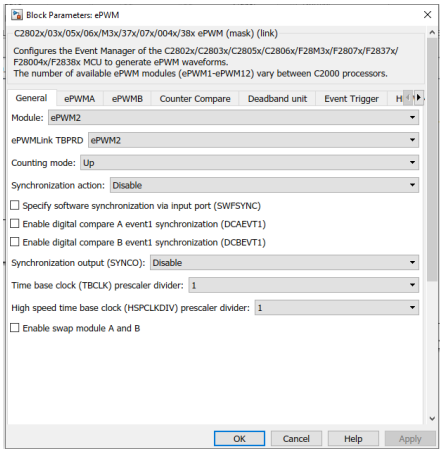
A.1.4 Bloques Trigger y Escalado a milimetros:

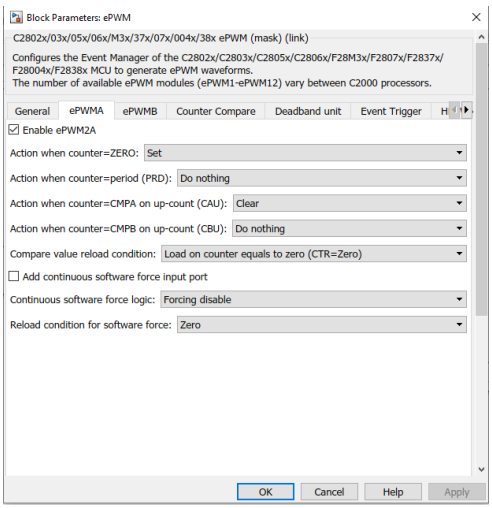


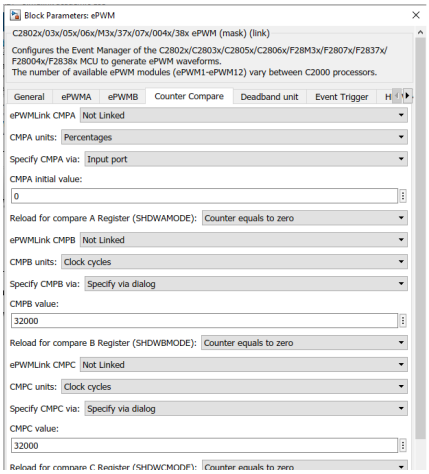
A.2 Bloques String to AscII y Sci Transmit:



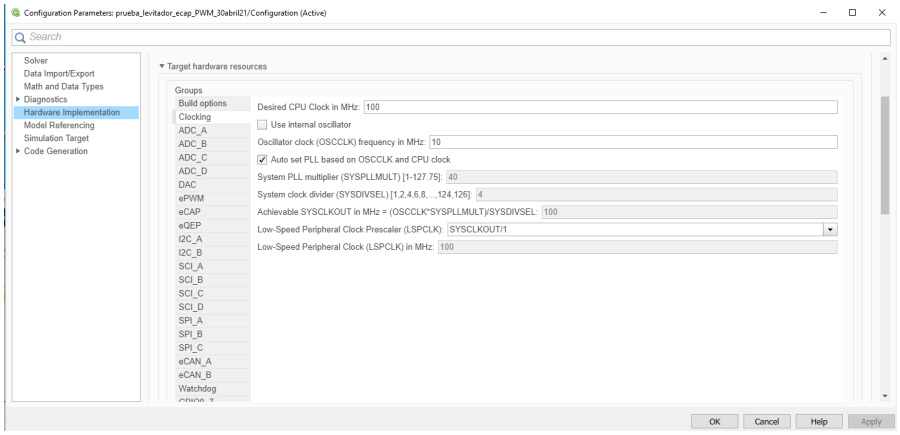
A.3 Bloque PWM:

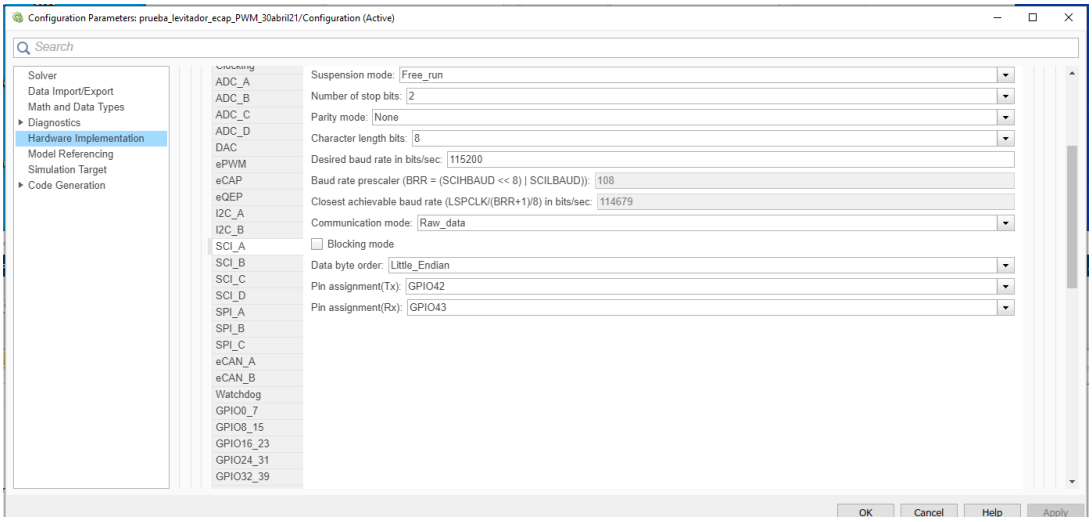




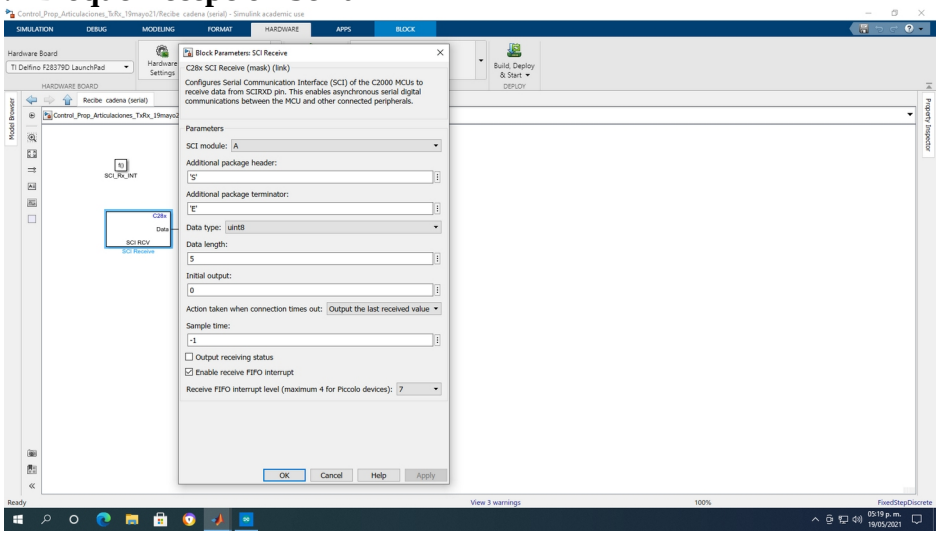


A.4 Hardware settings:

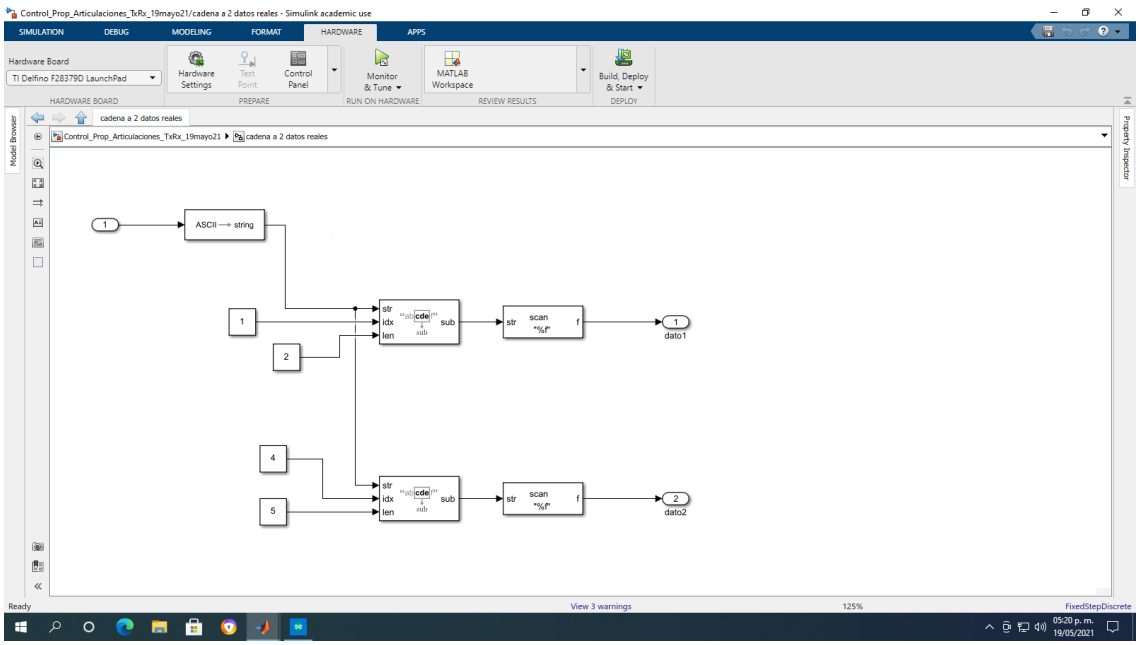




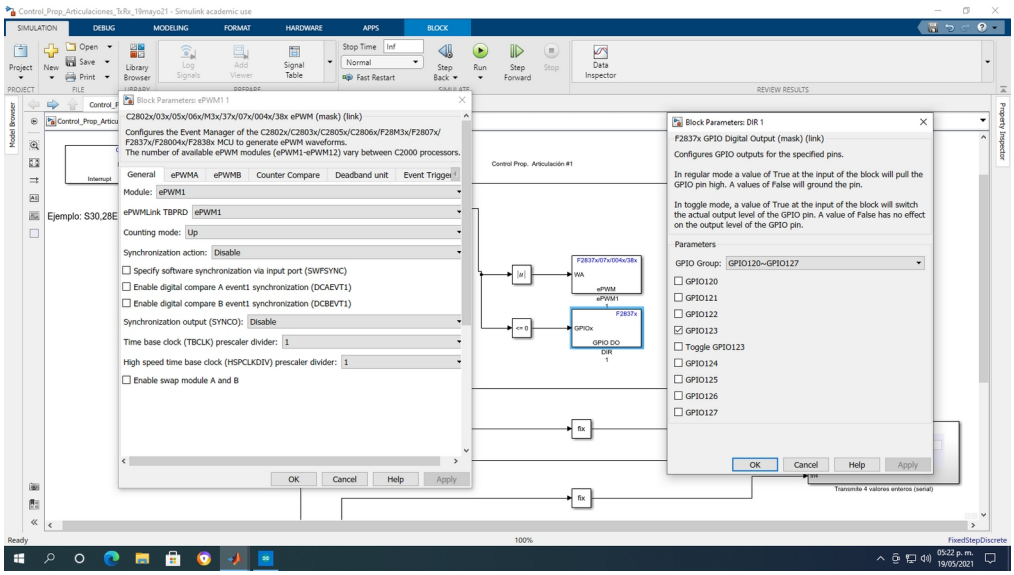
ANEXO B:
B. Configuración de los Bloques:
B.1 Bloque Recepción Serial

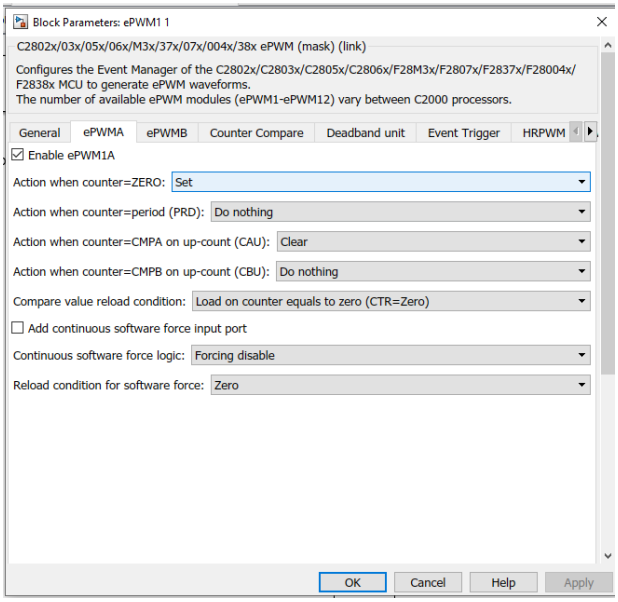


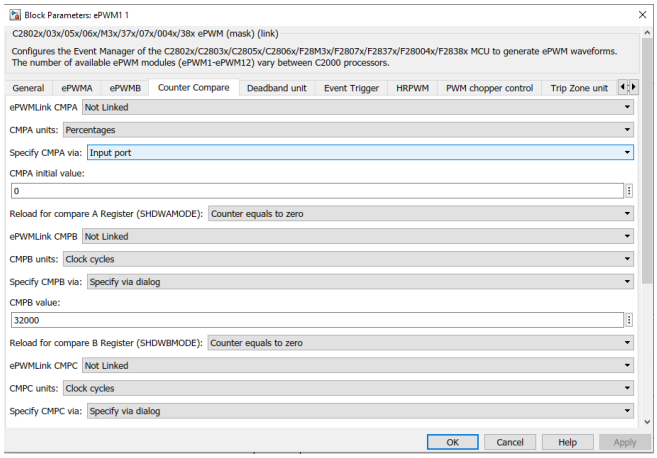
B.2 Bloque Cadena a 2 valores reales



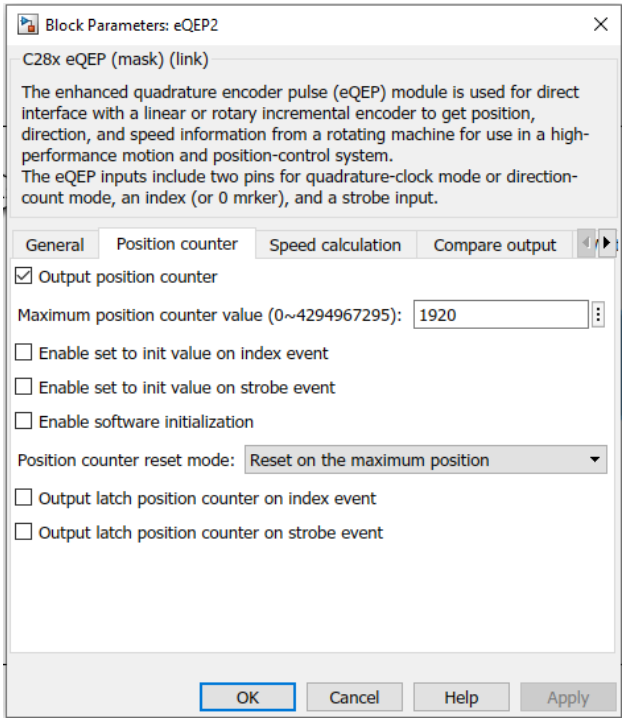
B.3 Bloques ePWM1 y Dirección de giro (DIR).



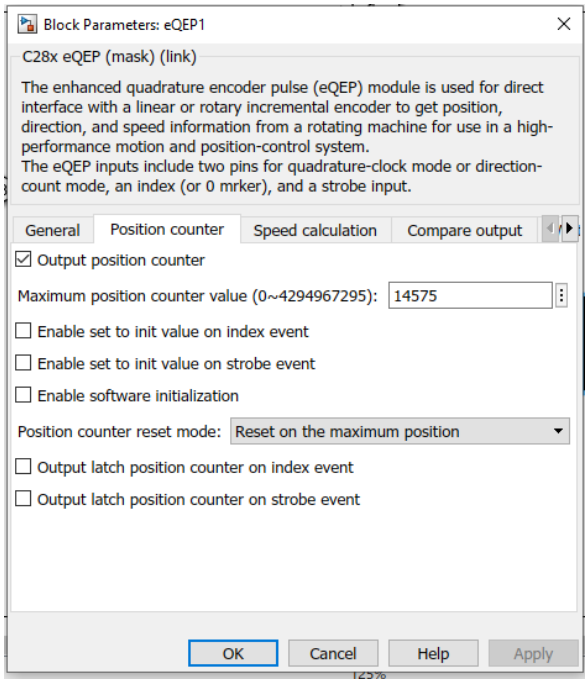




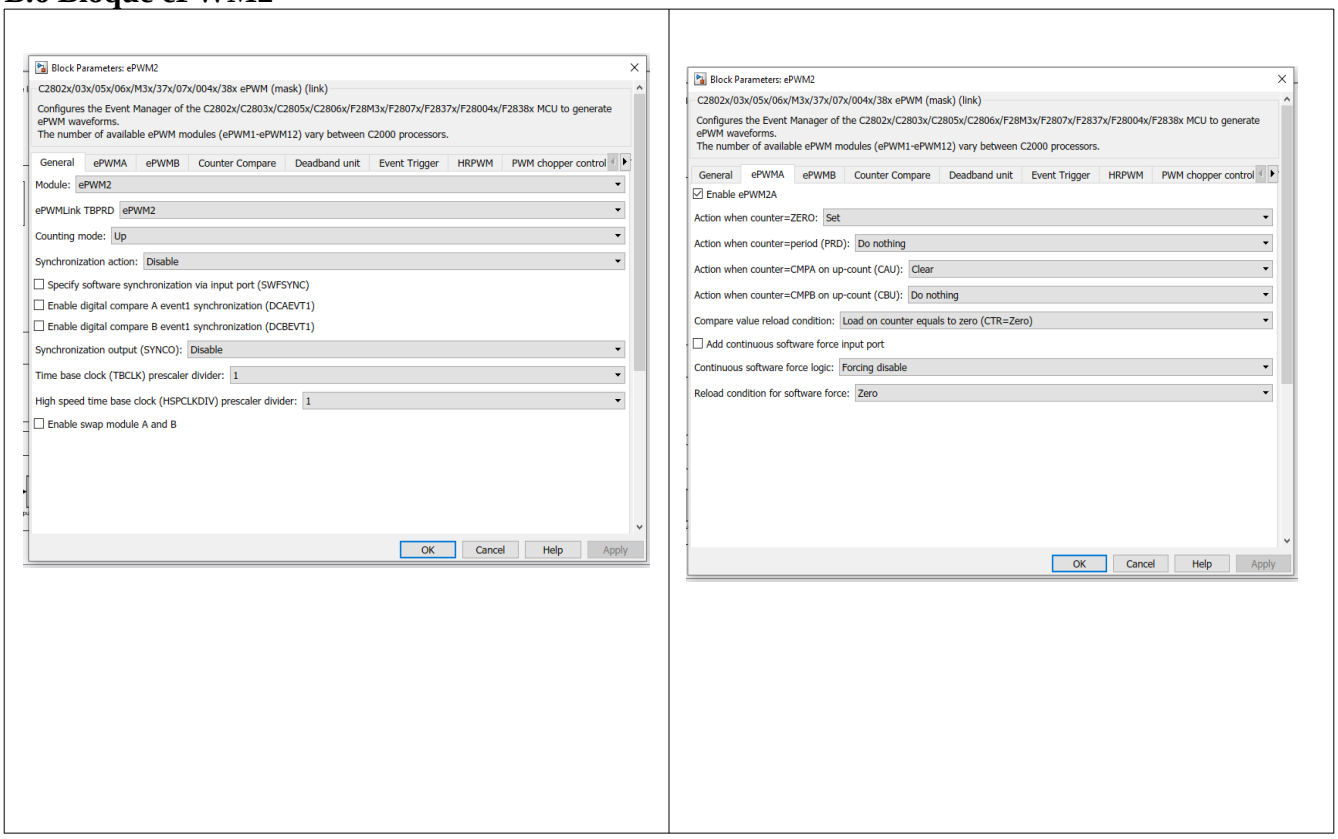
B.4 Bloque Manejo del Encoder 2 (eQep2) de la articulación 1



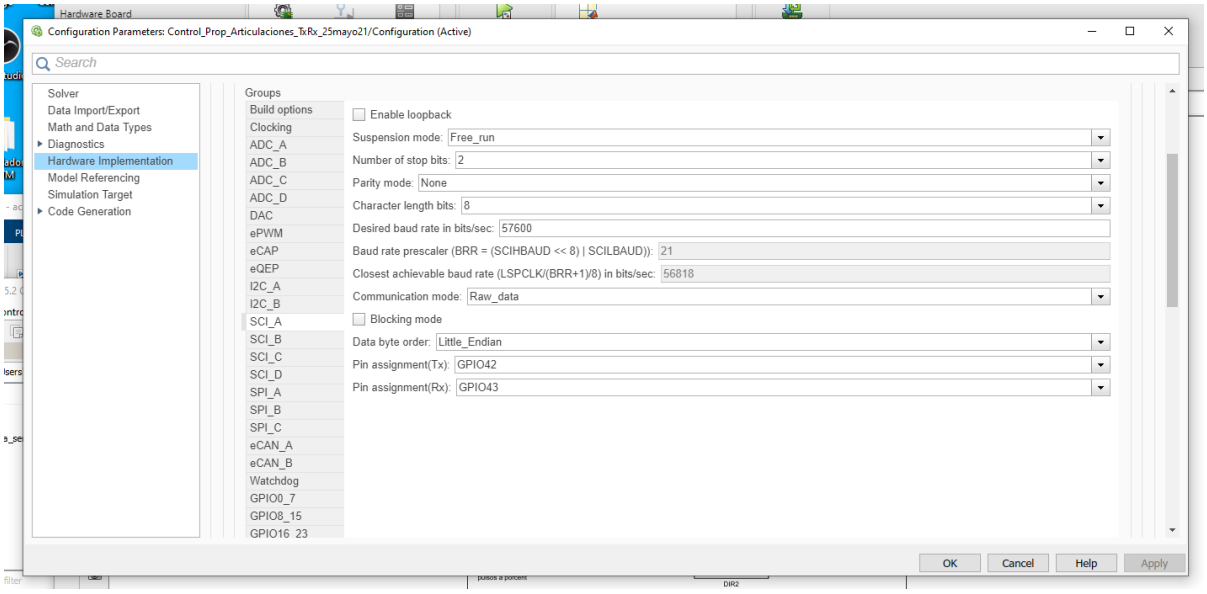
B.5 Bloque Encoder 1 (eQep1) de la Articulación 2



B.6 Bloque ePWM2



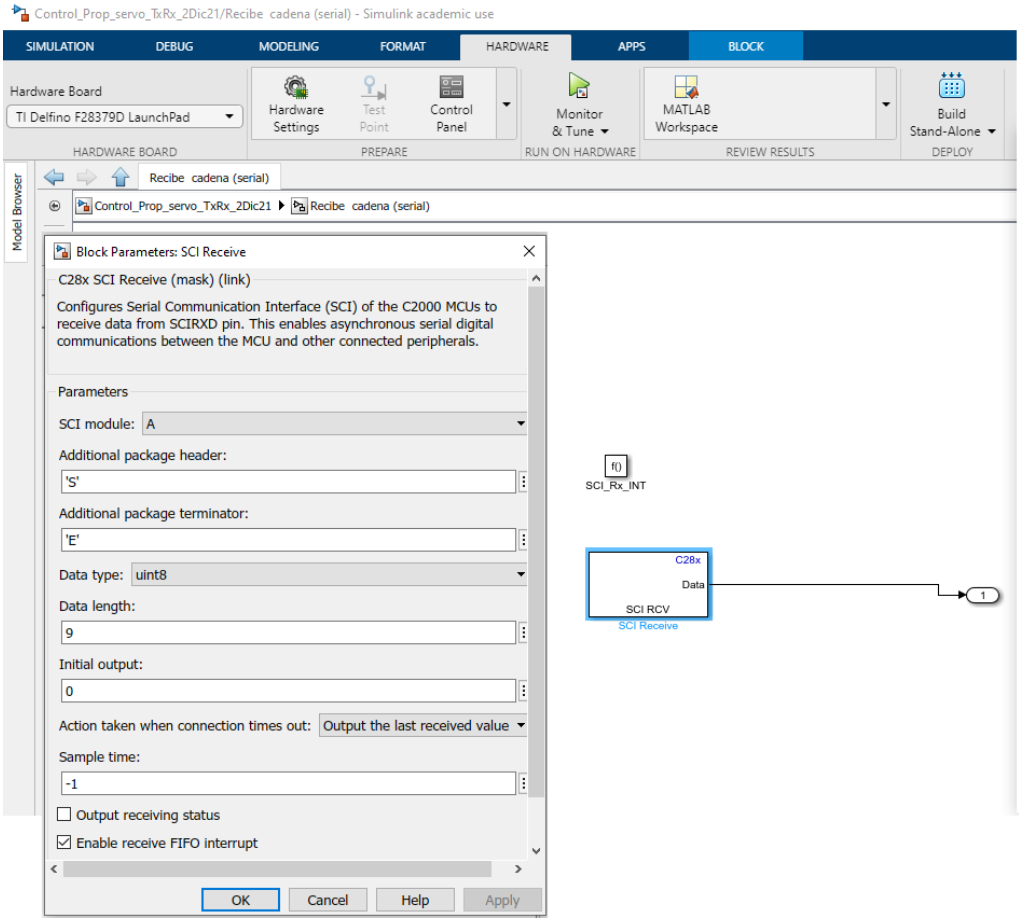
B.7 Configuración del Puerto Serial SCI_A:



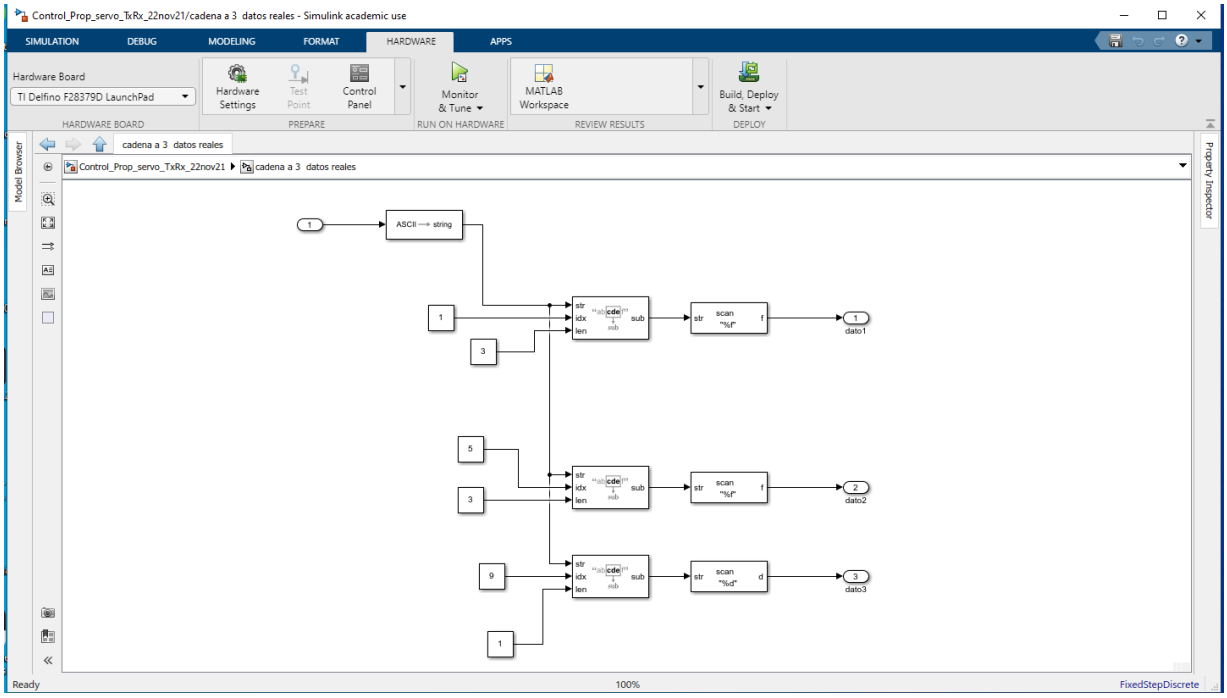
ANEXO C:

C. Configuración de los Bloques:

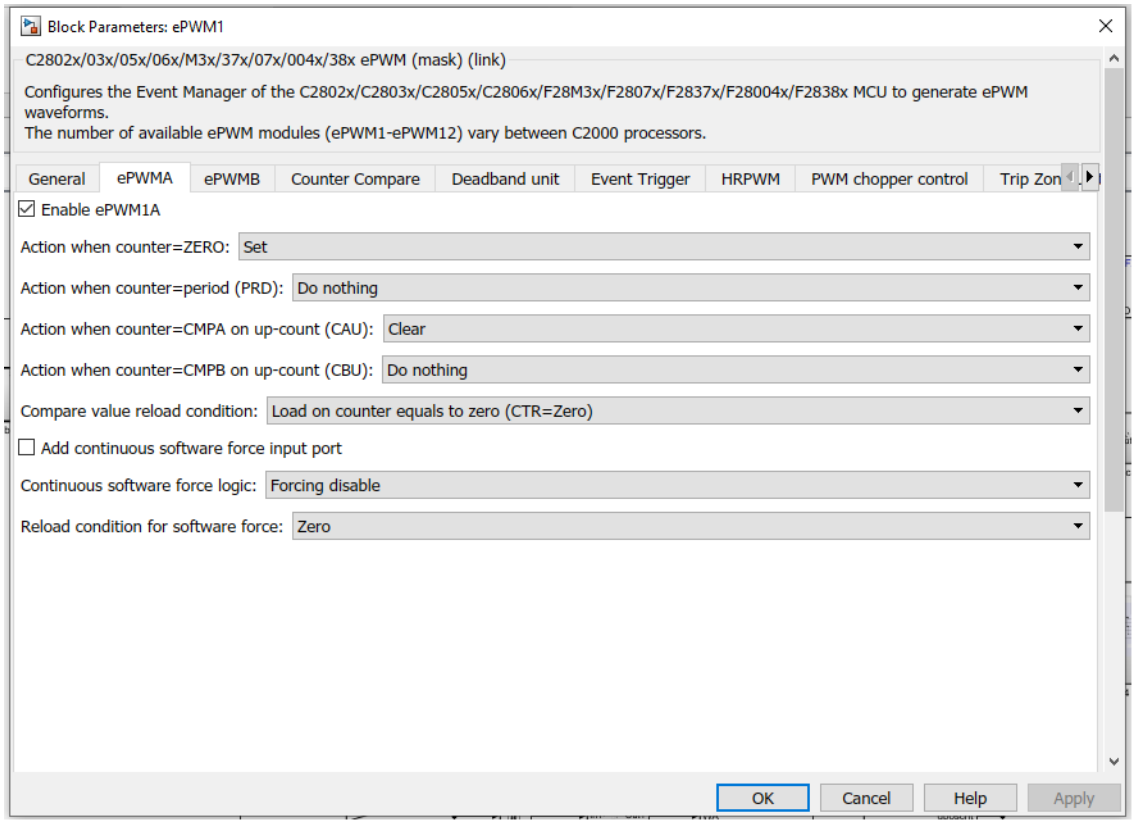
C.1 Bloque de Recepción Serial

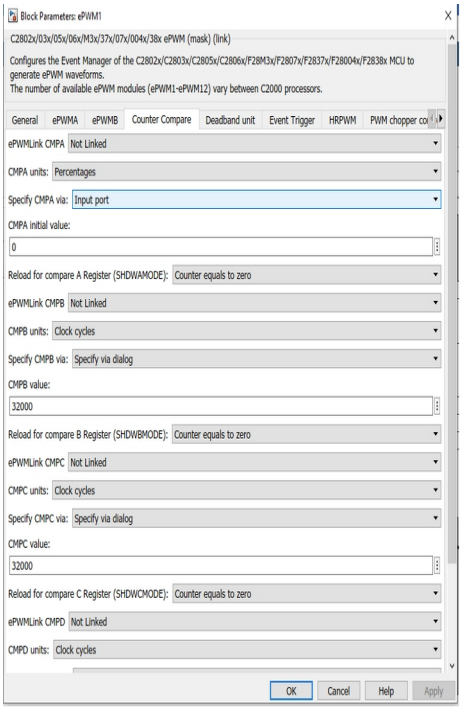


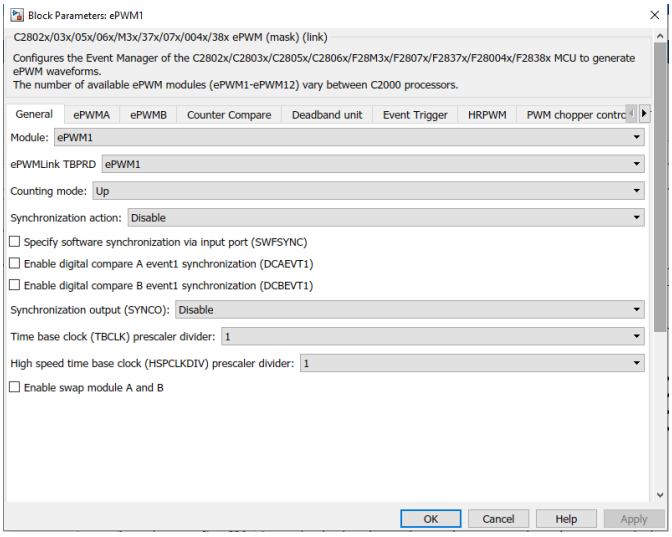
C.2 Bloque Cadena a 2 valores reales

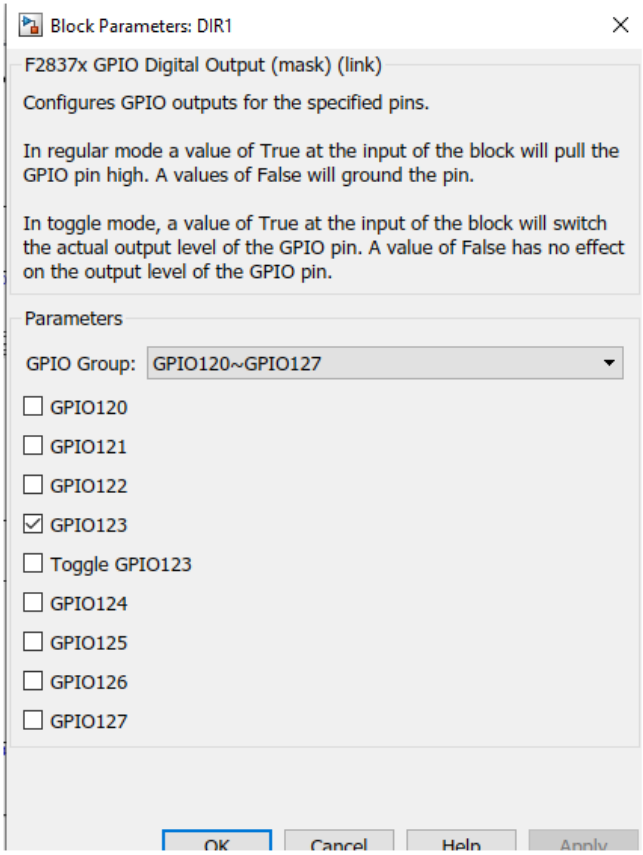


C.3 Bloques ePWM1 y Dirección de giro (DIR) del motor de la correa.

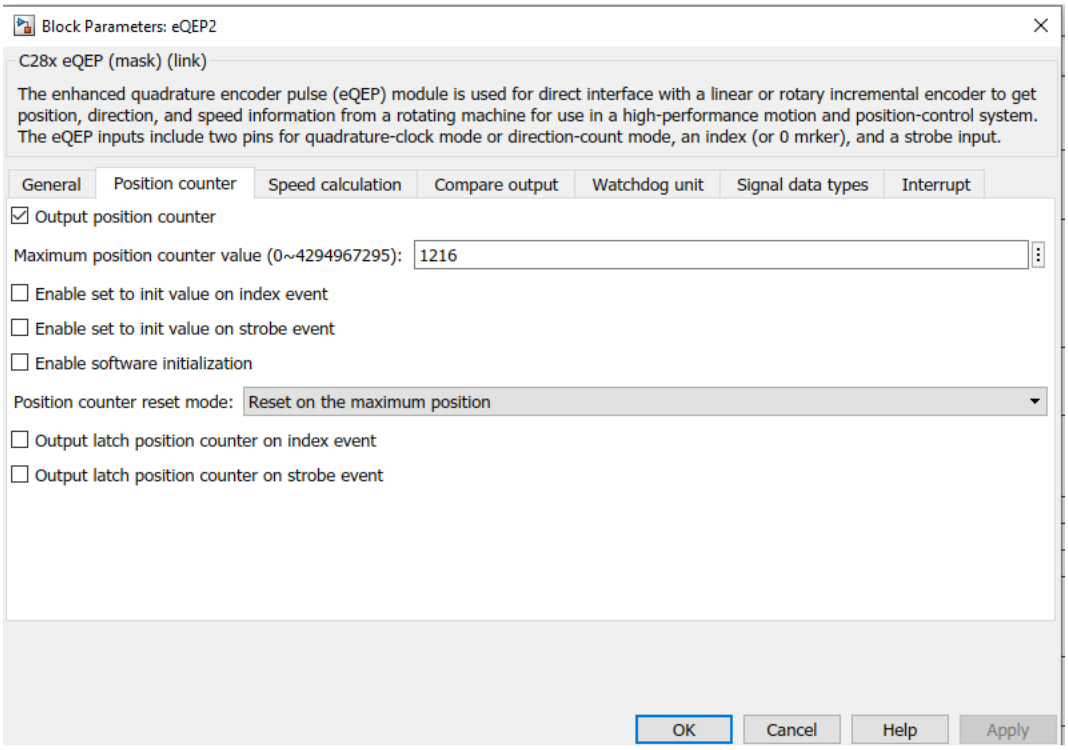




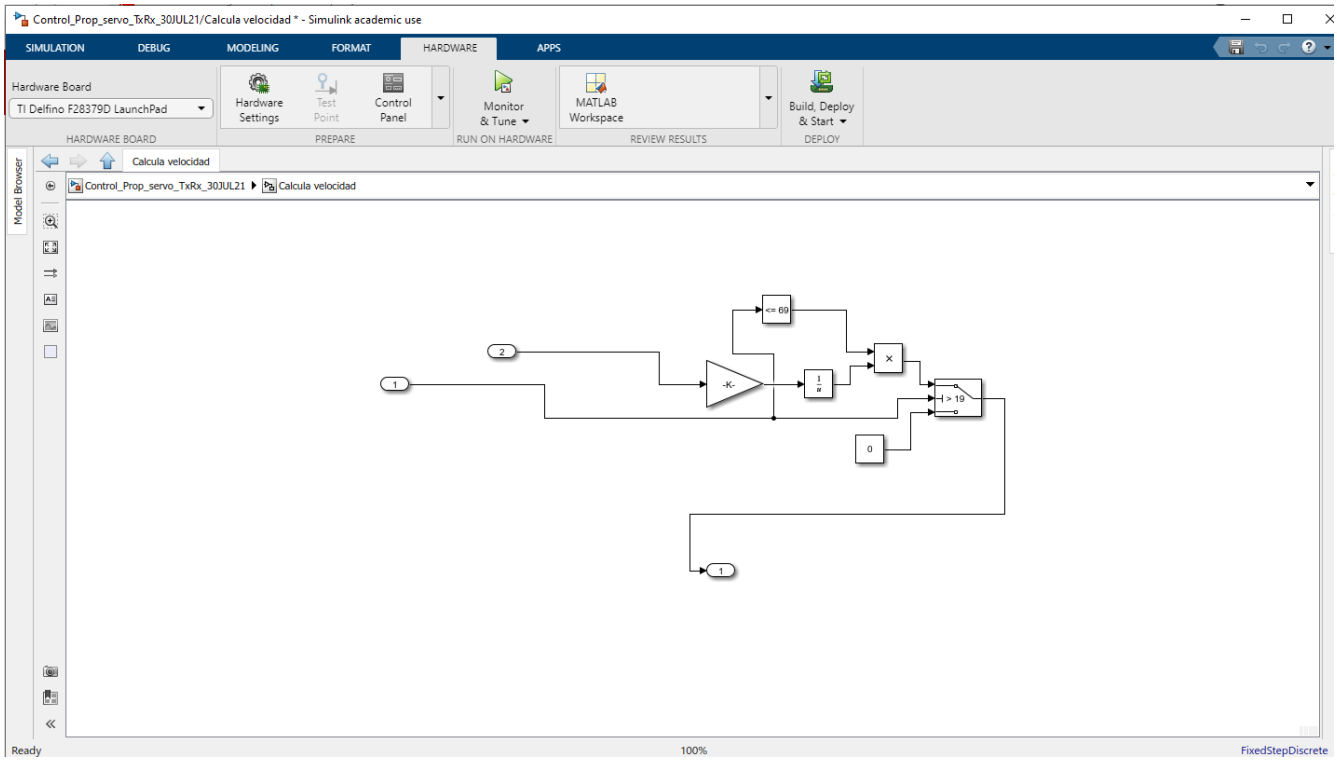




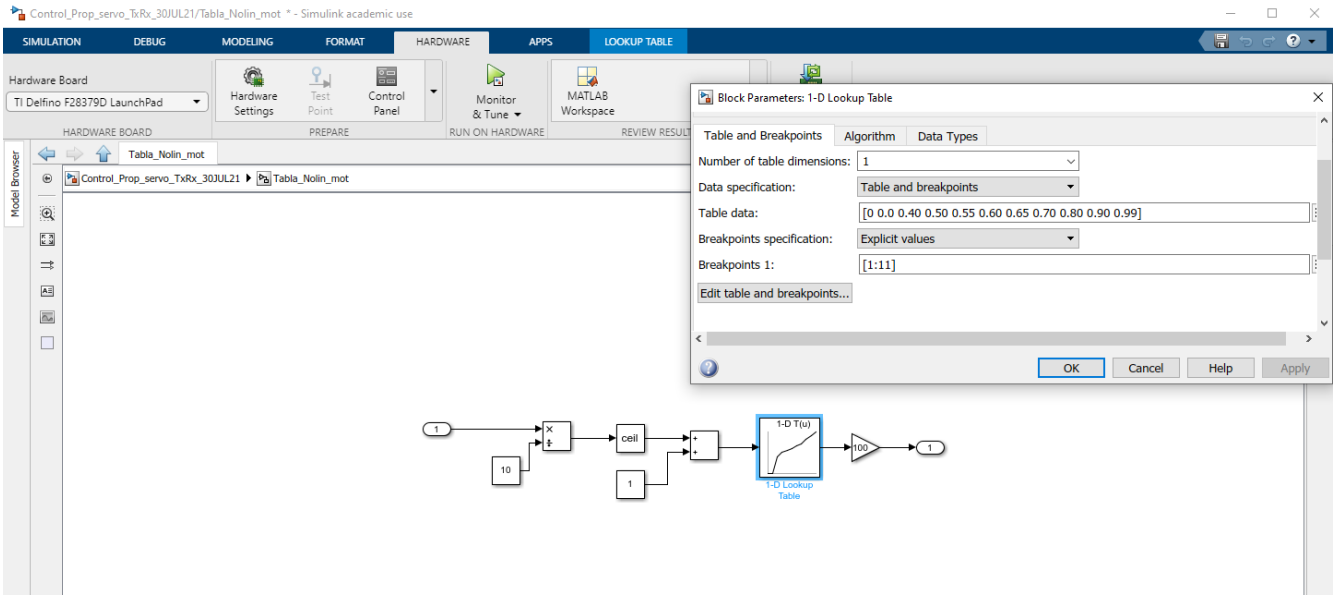
C.4 Bloque Manejo del Encoder 2 (eQep2) del motor de la correa



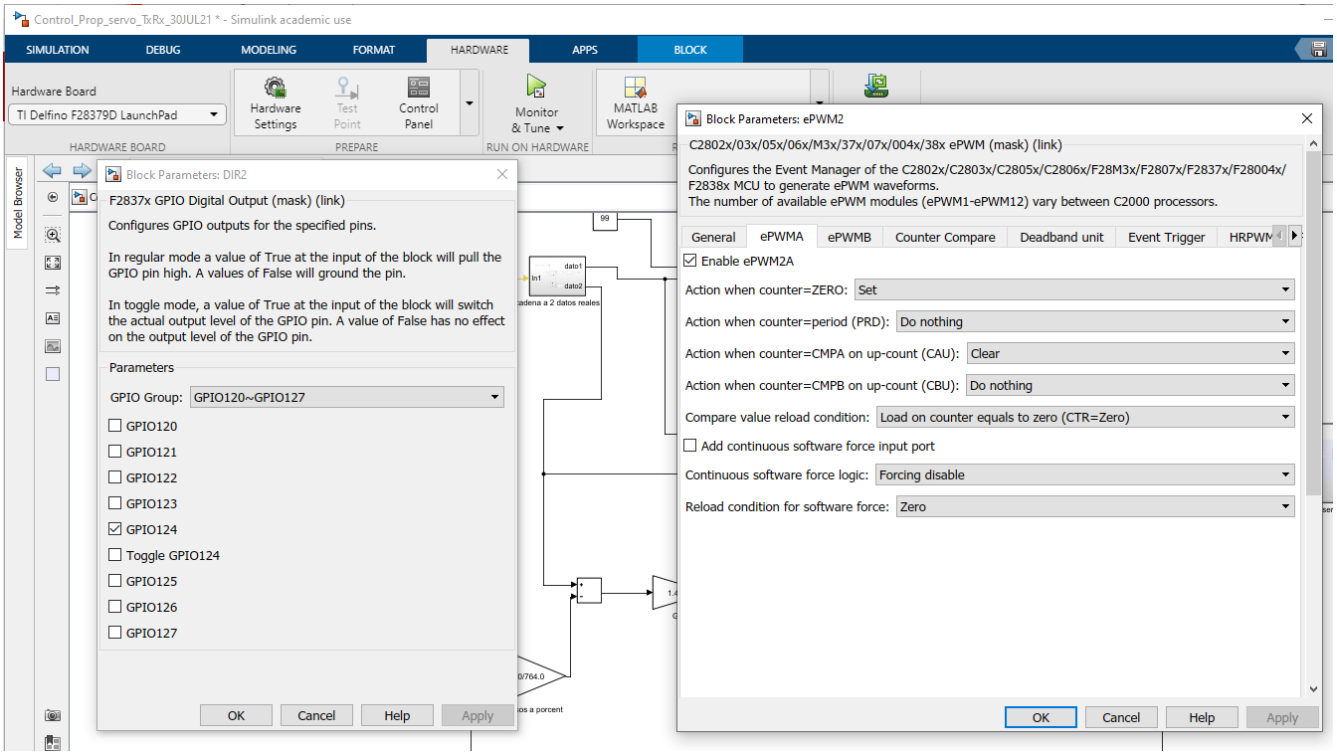
C.5 Bloque para el calculo de la velocidad a partir de Información del encoder.

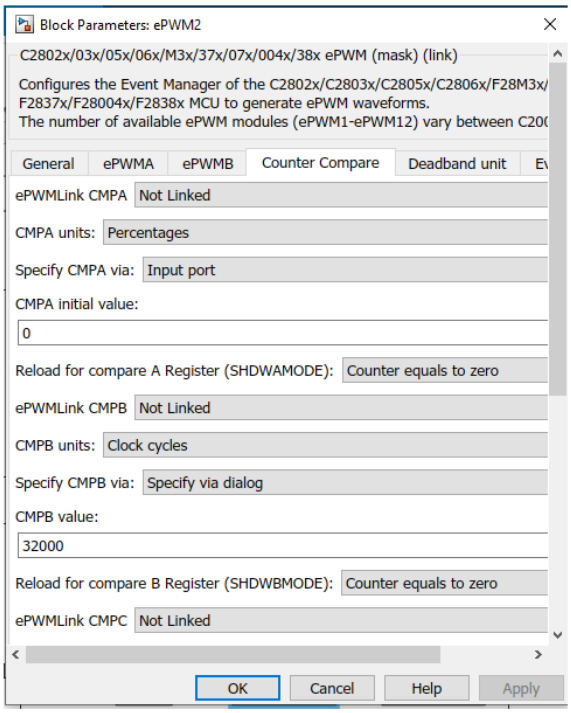


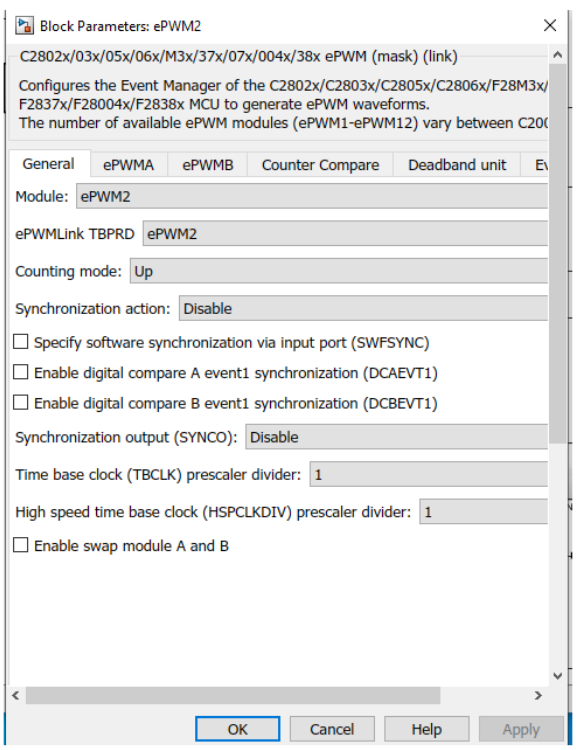
C.6 Bloque para manejo de la no linealidad del motor del tornillo.



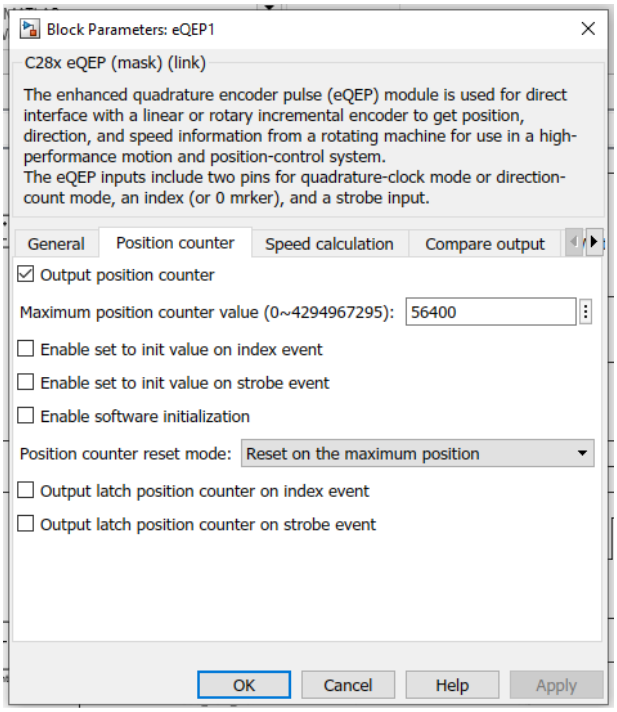
C.7 Bloques ePWM2 y Dirección de giro (DIR) del motor del tornillo.







C.8 Bloque Manejo del Encoder 1 (eQep1) del motor del tornillo.



C.9 Configuración controlador PID.