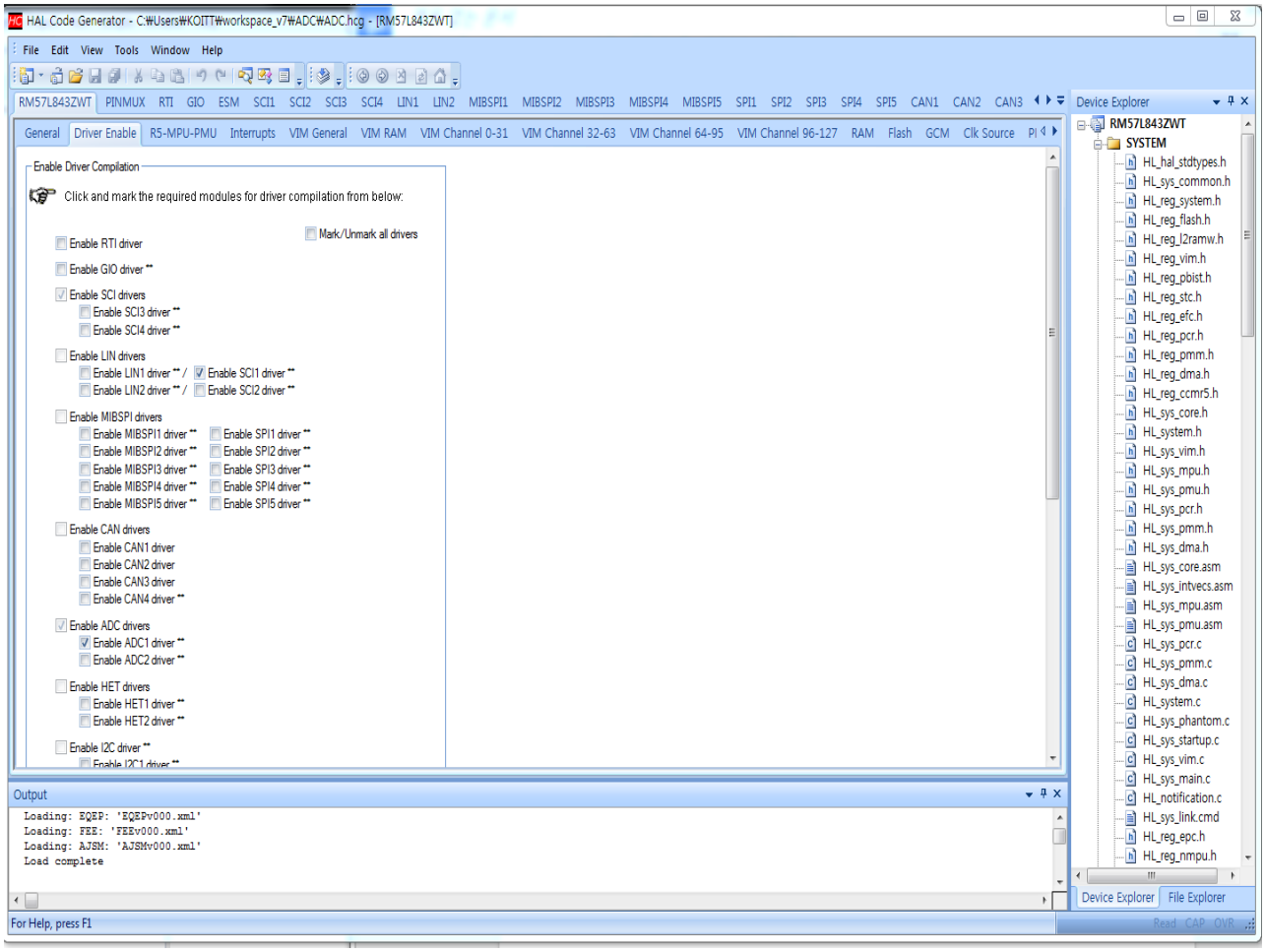
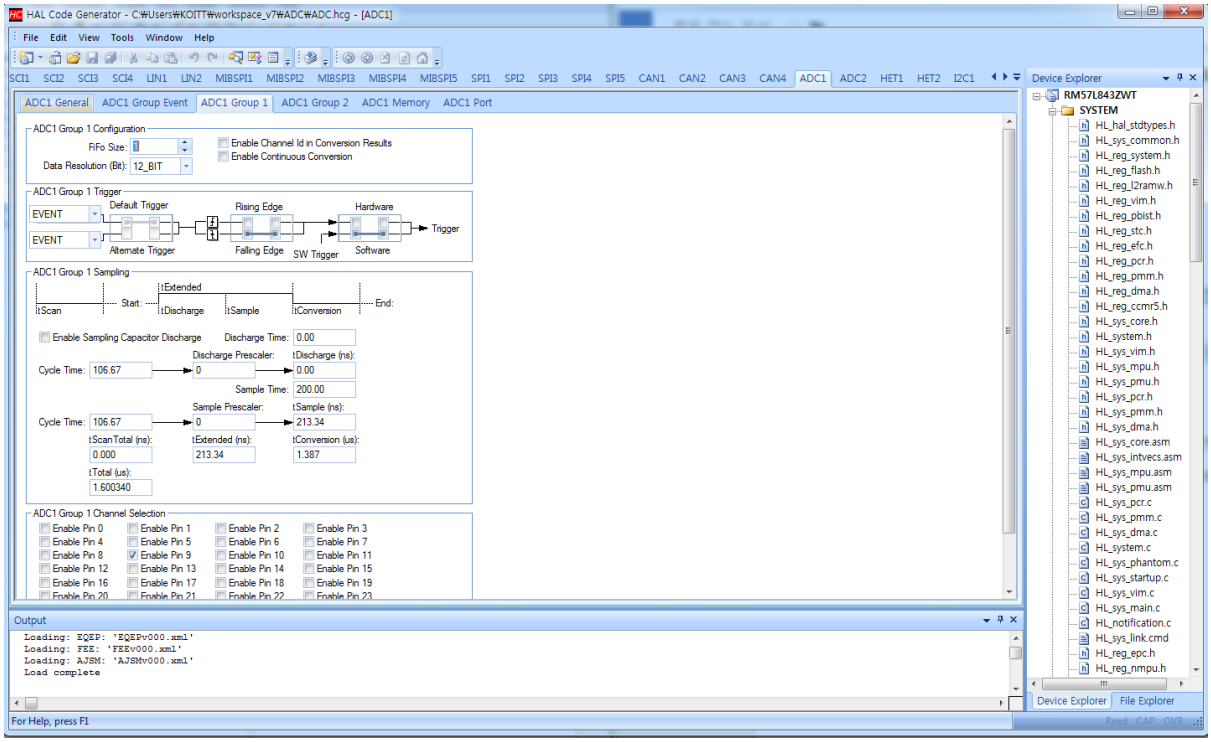


halcogen 설정

Driver Enable 에서 Enable SCI1 driver 선택 , Enable ADC1 driver 선택



ADC1 에서 ADC1 Group1에서
FiFo size 1로변경 , 아랫쪽에 ADC Group1 Channel Selection 에서 Enable Pin9 선택

generate code 누름.

CCS로 돌아가서 메인 코드 작성.

```
/** @file HL_sys_main.c
*   @brief Application main file
*   @date 08-Feb-2017
*   @version 04.06.01
*
*   This file contains an empty main function,
*   which can be used for the application.
*/

/*
* Copyright (C) 2009-2016 Texas Instruments Incorporated - www.ti.com
*
*
*  Redistribution and use in source and binary forms, with or without
*  modification, are permitted provided that the following conditions
*  are met:
*
*    Redistributions of source code must retain the above copyright
*    notice, this list of conditions and the following disclaimer.
```

```
/* USER CODE BEGIN (0) */
#include "HL_sci.h"
#include "HL_adc.h"
#include "stdlib.h"
/* USER CODE END */

/* Include Files */

#include "HL_sys_common.h"
#include "HL_system.h"
/* USER CODE BEGIN (1) */
unsigned char command[51];
/* USER CODE END */
void sciDisplayText(sciBASE_t *sci, uint8 *command, uint32 length);
void wait(uint32 time);

#define TSIZE2  2
```

```
#define UART sciREG1
/** @fn void main(void)
*   @brief Application main function
*   @note This function is empty by default.
*
*   This function is called after startup.
*   The user can use this function to implement the application.
*/

/* USER CODE BEGIN (2) */
/* USER CODE END */

int main(void)
{
/* USER CODE BEGIN (3) */
    adcData_t adc_data;
    adcData_t *adc_data_ptr = &adc_data;
    unsigned int NumberOfChars, value, temp;



        sciInit();
        adcInit();

        while(1)
        {
           adcStartConversion(adcREG1,adcGROUP1);
           while(!adcIsConversionComplete(adcREG1,adcGROUP1));
           adcGetData(adcREG1,1U,adc_data_ptr);
           value = (unsigned int)adc_data_ptr->value;
           value &= 0xfff;
           NumberOfChars = ltoa(value,(char *)command);
 //          sciSend(sciREG1, 2, (unsigned char *)"0x");
 //          sciSend(sciREG1,NumberOfChars,command);
 //         sciSend(sciREG1, 2,(unsigned char *)"\r\n");
           sciDisplayText(UART,&command[0],TSIZE2);
           //wait(10000);
           /*
           temp=command[0] >>4;
           command[0] -= temp;
           temp= command[0];
           temp = temp << 4;
           temp = temp | TSIZE2 >> 4;
           command[0] += temp;
          */
```

```
        }
}
        void sciDisplayText(sciBASE_t *sci, uint8 *command, uint32 length)
        {
            while(length--)
            {
                while((UART->FLR & 0X4) == 4)
                    ;   /* wait until busy */
                sciSendByte(UART,*command++);  /* send out text */
            }
        }

        void wait(uint32 time)
        {
            time--;
        }

/* USER CODE END */



/* USER CODE BEGIN (4) */
void adcNotification(adcBASE_t *adc,unsigned group)
{
    return ;
}
void sciNotification(sciBASE_t *sci, unsigned flags)
{
    return ;
}
void esmGROUP1Notification(int bit)
{
    return ;
}
void esmGroupt2Notification(int bit)
{
    return ;
}
/* USER CODE END */
```