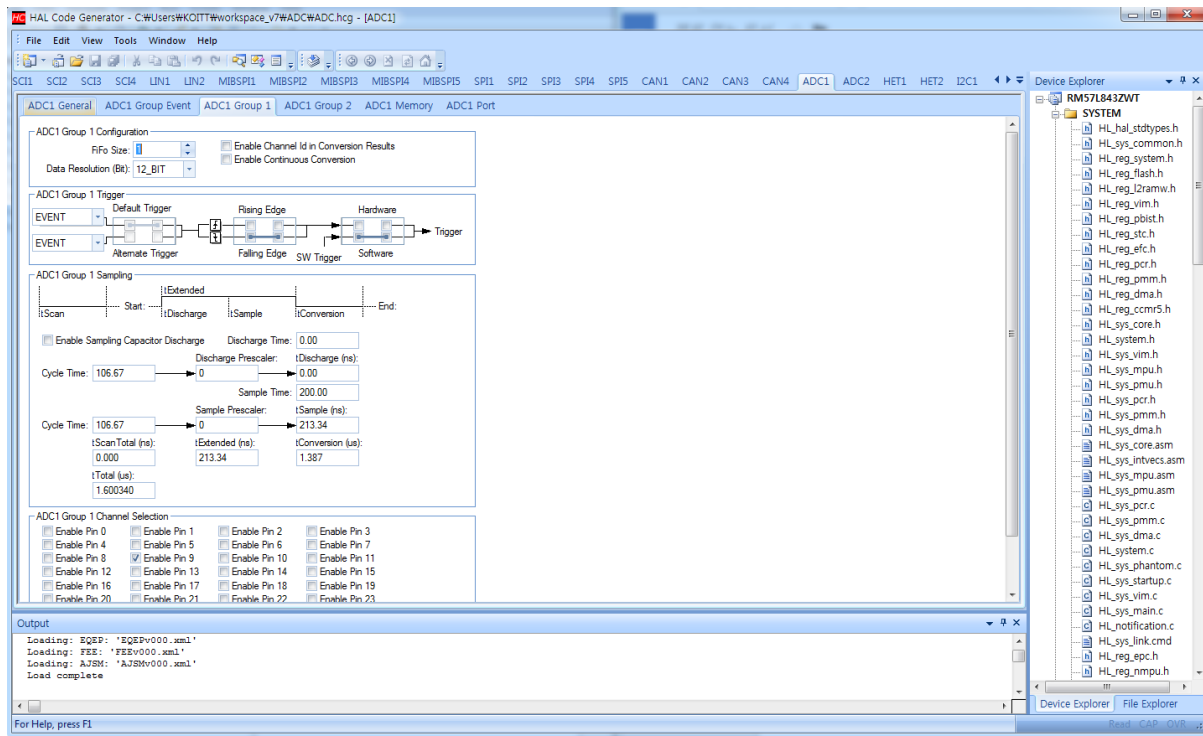


halcogen 설정

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



ADC1 에서 ADC1 Group1에서
 FiFo size 1로 변경 , 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.
 */

/*
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 *
 */

```

/* 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();
    adclInit();

    while(1)
    {
        adcStartConversion(adcREG1,adcGROUP1);
        while(!adclIsConversionComplete(adcREG1,adcGROUP1));
        adcGetData(adcREG1,1U,adc_data_ptr);
        value = (unsigned int)adc_data_ptr->value;
        value &= 0xffff;
        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 esmGroup2Notification(int bit)
{
    return ;
}
/* USER CODE END */

```