

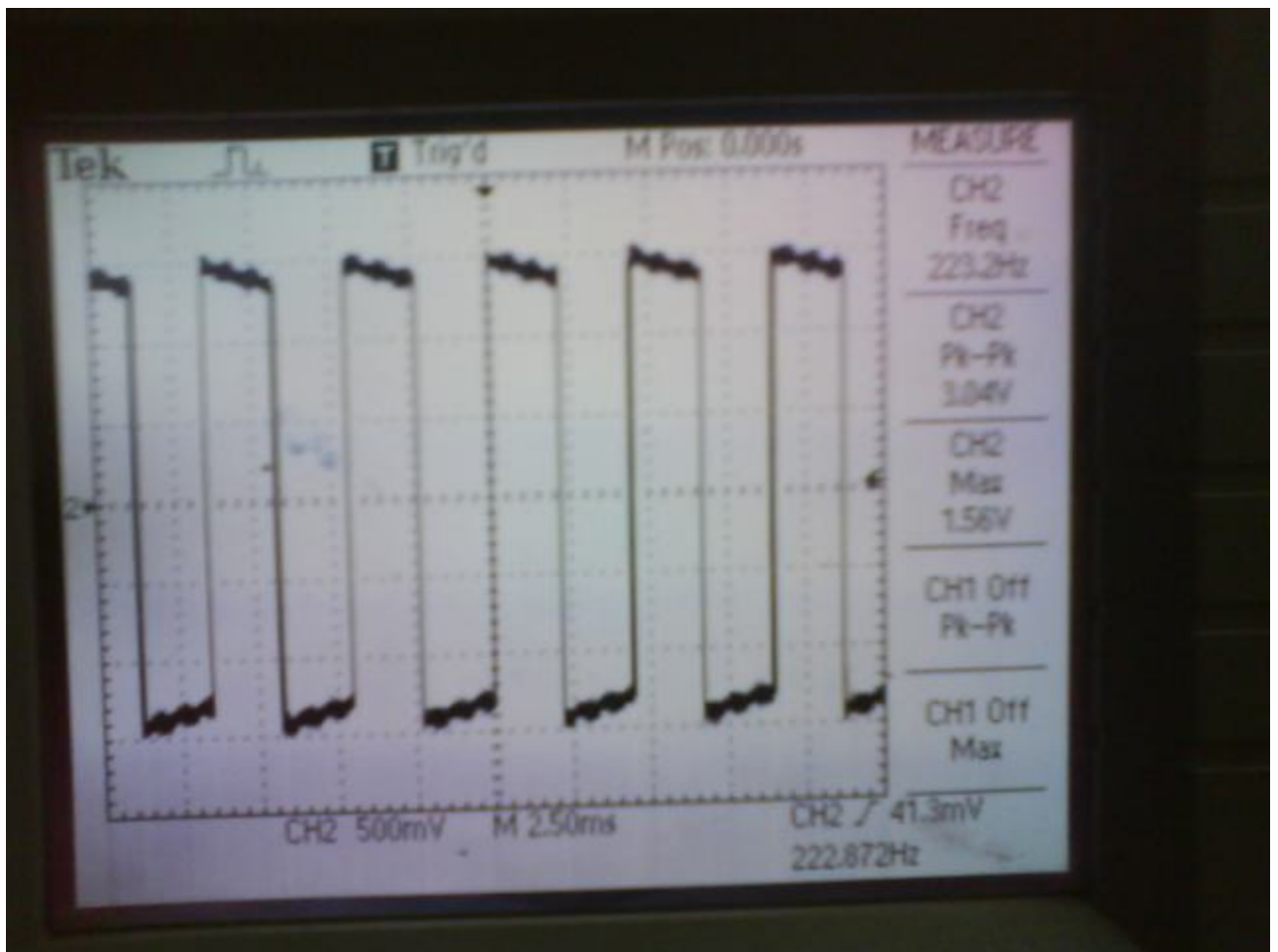
Sir,

I'm starting getting MISO of 3.3 v from MISO to Optocoupler as shown. But C1, C2 has not come .

I'm not getting this MISO if I'm sending a single byte, but on transferring double bytes, it is coming.

I've grounded the slave select pin as it is of no concern for master mode.

Please correct me regarding the programming .



```

#include <stdio.h>           // declarations for I/O functions
#include <ctype.h>
#include <ADuC841.h>         // ADuC841 predefined symbols

```

```

unsigned char Data[20];

```

```

sbit bss = P1^5; // Chip select for maxq3183 (PORT1.5)
/*****
Initialize the ADuC841 resouces being used
in this sample
*****/

```

```

void microdelay(unsigned int itime)
{
    unsigned int i, j;
    for(i=0;i<itime;i++)
        for(j=0;j<400;j++);
}

```

```

void msdelay(unsigned int itime)
{
    unsigned int i, j;
    for(i=0;i<itime;i++)
        for(j=0;j<1275;j++);
}

```

```

unsigned char Send_SPI(unsigned char x)
{
    int SPI_TIMEOUT = 360;
    unsigned char y = 0;
    int z;
    int error = 0;
    SPICON=0x3A; /* MSTSM, SPIEN */
    z = 0; while ((!ISPI) && (++z < SPI_TIMEOUT));
    if (z == SPI_TIMEOUT) error = 1;
    ISPI = 0; /* Clear transfer complete flag */
    SPIDAT = x;
    z = 0; while ((!ISPI) && (++z < SPI_TIMEOUT));
    if (z == SPI_TIMEOUT) error = 1;
    y = SPIDAT;
}

```

```

    ISPI = 0;
    msdelay(1);
    if (error) return 0;

    return y;

}

```

```

void init841(void) // Initialize internal peripherals
{
    /* Initialize SPI to talk to maxq3183 */
    CFG841 = 0x10; // Serial interface enable for P3.5..P3.7 pins
    SPICON = 0x3A; // Enable SPI I/F as master, SCLOCK idle H,
    IEIP2=0x01;    // advance MSB output, sclock=fcore/8
}

```

```

/*****
This function transmittes a byte data
on the SPI interface
*****/

```

```

void main()
{
    int x;
    init841();

```

```

    bss=1;
    //write
    SPE = 0;
    for(x=0; x<300; x++);
    SPE = 1;

```

```

    bss=0;
    while(1)
    {

```

```

        Send_SPI(0x80);

```

```

        microdelay(1);

```

```
Send_SPI(0xFF);
```

```
microdelay(1);
```

```
}
```

```
bss=1;
```

```
}
```