

Hello

I have a bus with 1 master and 3 slaves, which communicates perfectly without problems.

At the moment we activate the power part of the system, noise starts to be generated and suddenly one of them stops transmitting.

Looking at the CAN_TX/CAN_RX signals in the micro we see that the ACK's are no longer sent, but nevertheless the messages continue to be received on the board and the corresponding functions are still being performed.

Debugging we see that the three mailboxes are filled and the following errors appear in CAN_TSR, and it stops sending any messages neither ACK's.

The left one is the correct, and right one is when the error happens.



This is the initialization code:

```
void CANsetup(void){
    //CAN_InitTypeDef      CAN_InitStructure;
    //CAN_FilterInitTypeDef  CAN_FilterInitStructure;

    /* Configure CAN1 RX pin PA11 */
    GPIO_InitStructure.GPIO_Pin = GPIO_Pin_11;
    GPIO_InitStructure.GPIO_Mode = GPIO_Mode_IN_FLOATING; //GPIO_Mode_IPU;
    GPIO_Init(GPIOA, &GPIO_InitStructure);

    /* Configure CAN1 TX pin PA12 */
    GPIO_InitStructure.GPIO_Pin = GPIO_Pin_12;
    GPIO_InitStructure.GPIO_Mode = GPIO_Mode_AF_PP;
    GPIO_InitStructure.GPIO_Speed = GPIO_Speed_50MHz;
    GPIO_Init(GPIOA, &GPIO_InitStructure);

    /* Configure CAN1 RS pin PC15 -> =0 */
    GPIO_InitStructure.GPIO_Pin = GPIO_Pin_15;
    GPIO_InitStructure.GPIO_Mode = GPIO_Mode_Out_PP;
    GPIO_InitStructure.GPIO_Speed = GPIO_Speed_50MHz;
    GPIO_Init(GPIOC, &GPIO_InitStructure);

    port_set(PORT_C, 15, 0);
    /* Remap CAN1 GPIOs */
    // GPIO_PinRemapConfig(GPIO_Remap_CAN2 , ENABLE);

    /* CAN2 and CAN2 register init */
    CAN_DeInit(CAN1);
}????????????????????????????????????????
```

```
TestStatus CAN_Interrupt(void){

    CAN_InitTypeDef      CAN_InitStructure;
    CAN_FilterInitTypeDef  CAN_FilterInitStructure;

    // uint32_t i = 0;
    /* CAN register init */
    CAN_DeInit(CAN1);

    CAN_StructInit(&CAN_InitStructure);

    /* CAN cell init */
    CAN_InitStructure.CAN_TTCM=DISABLE;
    CAN_InitStructure.CAN_ABOM=DISABLE;
    CAN_InitStructure.CAN_AWUM=DISABLE;
    CAN_InitStructure.CAN_NART=DISABLE;
```

