

AARL

AIR FORCE RESEARCH LABORATORY

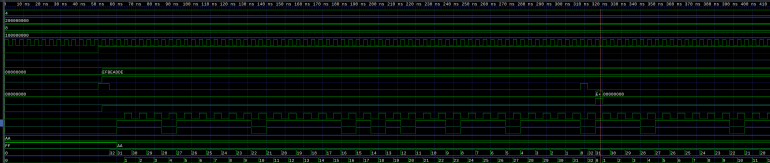
Signals

```

RIS_WIDTH=4
CLOCK_SPEED=200000000
SELECT_WIDTH=8
rate[31:0]=100000000
ack=0
arstn=1
cpha=0
cpol=0
s_axis_tdata[31:0]=00000000
s_axis_tvalid=1
s_axis_tready=0
m_axis_tdata[31:0]=00000000
m_axis_tvalid=1
m_axis_tready=1
sclk=0
modi=1
miso=1
sen_1[7:0]=AA
sen_o[7:0]=AA
modi_count[31:0]=0
miso_count[31:0]=0

```

Waves



Signal

```
BAR_WIDTH=4
CLOCK_SPEED=10000000
RATE=115200
SELECT_WIDTH=1
ack=1
armed=1
cp0=0
cp1=0
m_axis_tdata[31:0]=00000000
m_axis_tvalid=1
m_axis_tready=1
s_axis_tdata[31:0]=00000000
s_axis_tvalid=0
s_axis_tready=1
selk=0
mod=0
m0=0
miso_count[31:0]=0
mosi_count[31:0]=0
rate[31:0]=115200
ss0_1=0
ss0_0=1
```

Waves





```

        BUS_WIDTH=4
        CLOCK_SPEED=100000000
        RATE=119200
        SELECT_WIDTH=1
        sclk=1
        arstn=1
        cpha=1
        cpol=0
m_axi_s_tdata[31:0]=00000000
        m_axi_s_reldid=0
        m_axi_s_tready=1
s_axi_s_tdata[31:0]=00000000
        s_axi_s_reldid=0
        s_axi_s_tready=1
        sclk=0
        wstrb=0
        wstrb=1
msi0_count[31:0]=0
msi1_count[31:0]=0
        rate[31:0]=119200
        ssn_i=0
        ssn_o=1

```



Signals

```

BUS_WIDTH=4
CLOCK_SPEED=10000000
RATE=115200
SELECT_WIDTH=1
sclk=1
srstn=1
cpba=0
cpol=1
m_axis_tdata[31:0] m00000000
m_axis_tvalid=0
m_axis_tready=1
s_axis_tdata[31:0] 0A0A0A0A
s_axis_tvalid=0
s_axis_tready=1
sclk=1
mosi=0
miso=1
miso_count[31:0]=0
mosi_count[31:0]=0
rate[31:0]=115200
srx_1=0
srx_0=1

```

Waves



```

BUS_WIDTH=4
CLOCK_SPEED=100000000
RATE=115200
SELECT_WIDTH=1
scale=1
arbitr=1
cpha=1
cpol=1
m_axi0_tdata[31:0]=00000000
m_axi0_rvalid=0
m_axi0_rready=1
a_axi0_tdata[31:0]=12121212
a_axi0_rvalid=0
a_axi0_rready=1
scale=1
mosi=0
miso=1
miso_count[31:0]=0
mosi_count[31:0]=0
rate[31:0]=115200
sck_i=0
sck_o=1

```

