

AARL

AIR FORCE RESEARCH LABORATORY

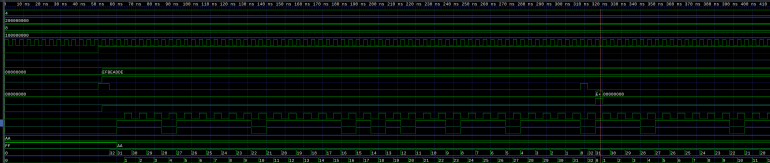
Signals

```

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]=0xFFFFFFFF
s_axis_tvalid=1
s_axis_tready=0
m_axis_tdata[31:0]=0xFFFFFFFF
m_axis_tvalid=1
m_axis_tready=1
sclk=0
modi=1
miso=1
sen_1[7:0]=AA
sen_0[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
arstn=1
cpn=0
cpol=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
miso=1
miso_count[31:0]=0
msci_count[31:0]=0
rate[31:0]=115200
ssn_1=0
ssn_0=1
```

Waves





```

        BUS_WIDTH=4
        CLOCK_SPEED=100000000
        RATE=118200
        SELECT_WIDTH=1
        aclk=1
        arstn=1
        cpha=1
        cpol=0
m_axi_s_tdata[31:0]=00000000
m_axi_s_reldid=0
m_axi_s_tready=1
m_axi_s_tdata[31:0]=00000000
s_axi_s_reldid=0
s_axi_s_tready=1
        aclk=0
        arstn=0
        arst=1
miss_count[31:0]=0
miss_count[31:0]=0
        rate[31:0]=118200
        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] 2A2A2A2A
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



Signals

```

BUS_WIDTH=4
CLOCK_SPEED=100000000
RATE=115200
SELECT_WIDTH=1
sel0=1
sel1=1
cpha=1
cpol=1
m_axis_tdata[31:0]=00000000
m_axis_tvalid=0
m_axis_tready=1
s_axis_tdata[31:0]=12121212
s_axis_tvalid=0
s_axis_tready=1
acl0=1
mosi=0
miso=1
miso_count[31:0]=0
mosi_count[31:0]=0
rate[31:0]=115200
ser_1=0
ser_0=1

```

Waves

