

**AARL**

**AIR FORCE RESEARCH LABORATORY**

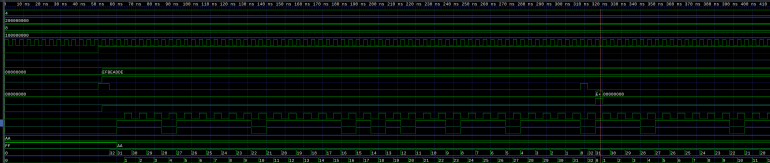
# Signals

```

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]=0F00A00E
s_axis_tvalid=1
s_axis_tready=0
m_axis_tdata[31:0]=0F00A00E
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
armed=1
cpba=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
modi=0
miso=1
miso_count[31:0]=0
modi_count[31:0]=0
rate[31:0]=115200
ssn_1=0
ssn_0=1
```

## Waves



# Signals

```

BUS_WIDTH=4
CLOCK_SPEED=10000000
RATE=115200
SELECT_WIDTH=1
ack=1
arstn=1
cpba=1
cpol=0
m_axi_tdata[31:0]=00000000
m_axi_tvalid=0
m_axi_tready=1
s_axi_tdata[31:0]=00000000
s_axi_tvalid=0
s_axi_tready=1
ack=0
mosi=0
miso=1
miso_deassert[31:0]=0
mosi_deassert[31:0]=0
rate[31:0]=115200
ssn_i=0
ssn_o=1

```

# Waves



# 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



# 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



