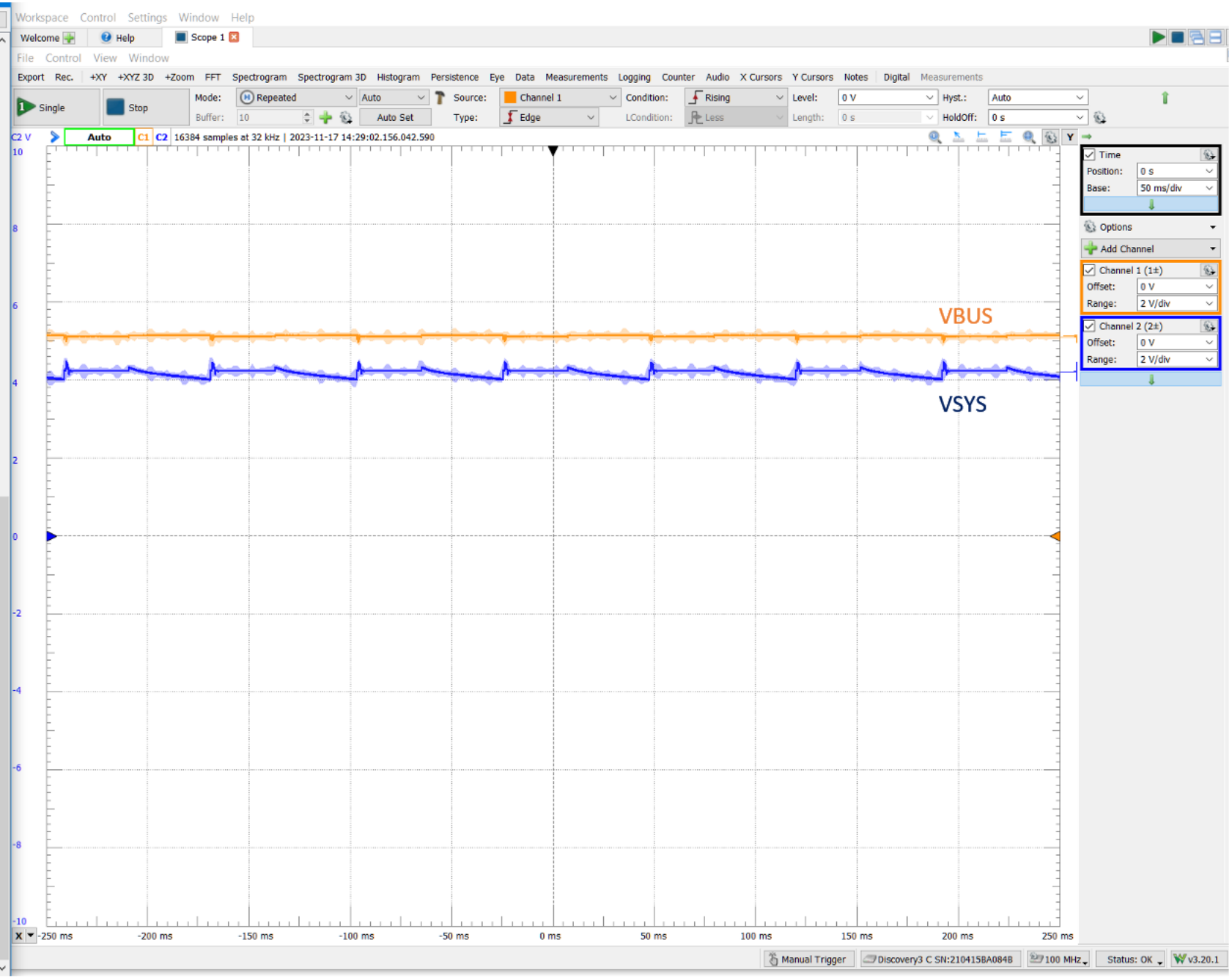
In current and voltage are into the VAC
Out current and voltage are connected to BAT
Initial Battery voltage: 3.3V

This is the result with Battery is disconnected from the charging board

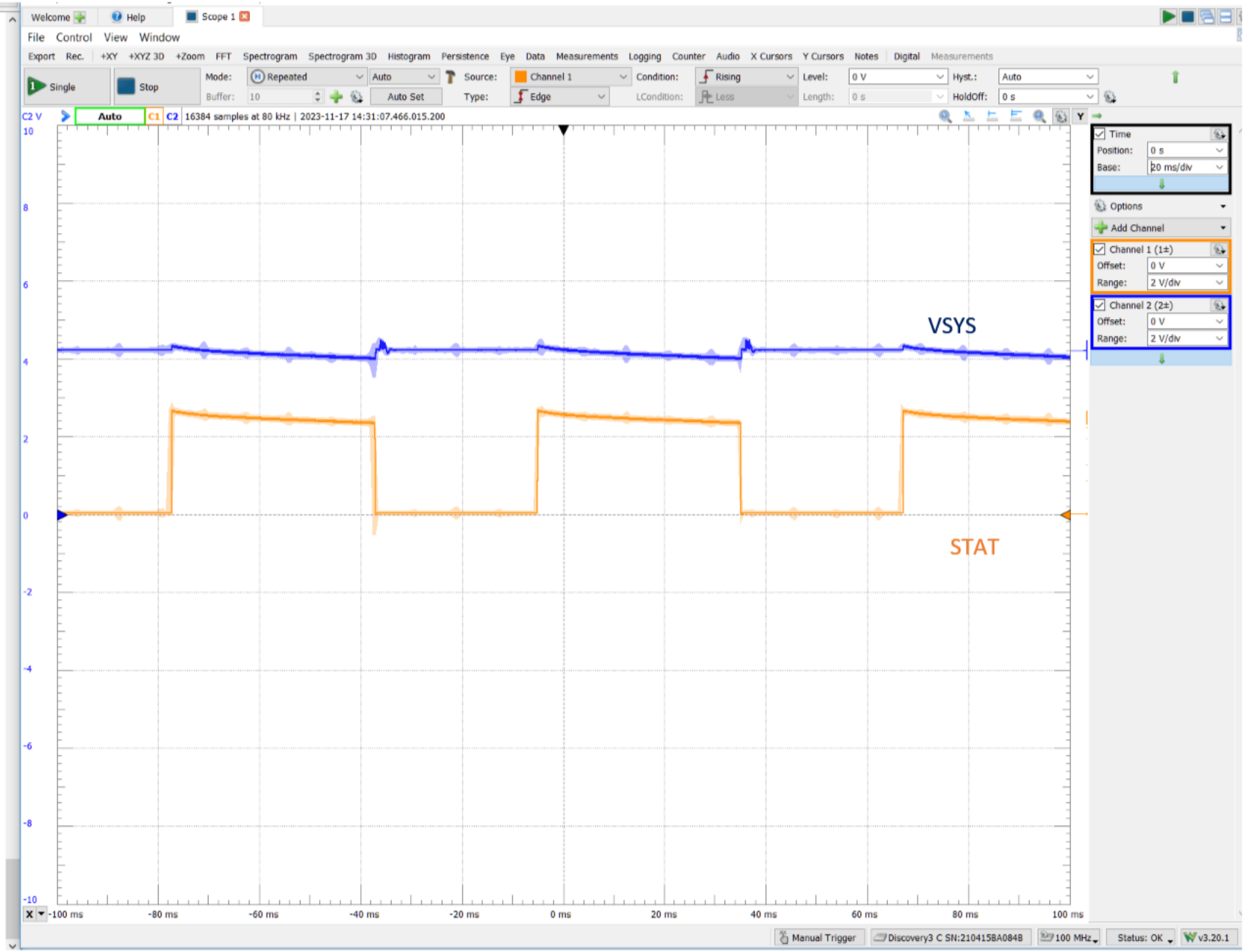
Send

```
In Current: 1.75 mA     In Voltage: 5130.00 mV  In Power: 10.00 mW

Out Current: 0.50 mA    Out Voltage: 3957.50 mV Out Power: 10.00 mW

In Current: 4.25 mA     In Voltage: 5135.00 mV  In Power: 0.00 mW

Out Current: -0.75 mA   Out Voltage: 4011.25 mV Out Power: 10.00 mW

In Current: 3.00 mA     In Voltage: 5131.25 mV  In Power: 0.00 mW

Out Current: -0.75 mA   Out Voltage: 4076.25 mV Out Power: 10.00 mW

In Current: 4.25 mA     In Voltage: 5131.25 mV  In Power: 0.00 mW

Out Current: -0.75 mA   Out Voltage: 4023.75 mV Out Power: 10.00 mW

In Current: 3.00 mA     In Voltage: 5130.00 mV  In Power: 0.00 mW

Out Current: -0.75 mA   Out Voltage: 4096.25 mV Out Power: 10.00 mW

In Current: 4.25 mA     In Voltage: 5131.25 mV  In Power: 10.00 mW

Out Current: -0.75 mA   Out Voltage: 4113.75 mV Out Power: 10.00 mW

In Current: 4.25 mA     In Voltage: 5132.50 mV  In Power: 0.00 mW

Out Current: 0.50 mA    Out Voltage: 4055.00 mV Out Power: 10.00 mW

In Current: 5.50 mA     In Voltage: 5132.50 mV  In Power: 0.00 mW

Out Current: -0.75 mA   Out Voltage: 4120.00 mV Out Power: 10.00 mW

In Current: 13.00 mA    In Voltage: 5112.50 mV  In Power: 50.00 mW

Out Current: 0.50 mA    Out Voltage: 4203.75 mV Out Power: 10.00 mW

In Current: 13.00 mA    In Voltage: 5112.50 mV  In Power: 50.00 mW

Out Current: 0.50 mA    Out Voltage: 4202.50 mV Out Power: 10.00 mW

In Current: 13.00 mA    In Voltage: 5115.00 mV  In Power: 50.00 mW

Out Current: 0.50 mA    Out Voltage: 4202.50 mV Out Power: 10.00 mW

In Current: 4.25 mA     In Voltage: 5132.50 mV  In Power: 10.00 mW

Out Current: 0.50 mA    Out Voltage: 4332.50 mV Out Power: 10.00 mW

In Current: 4.25 mA     In Voltage: 5131.25 mV  In Power: 0.00 mW

Out Current: -2.00 mA   Out Voltage: 3955.00 mV Out Power: 30.00 mW
```



This is the result with Battery is disconnected from the charging board

```
In Current: 15.50 mA    In Voltage: 5111.25 mV  In Power: 50.00 mW
Out Current: -0.75 mA   Out Voltage: 4205.00 mV Out Power: 10.00 mW
In Current: 13.00 mA    In Voltage: 5112.50 mV  In Power: 50.00 mW
Out Current: -0.75 mA   Out Voltage: 4203.75 mV Out Power: 10.00 mW
In Current: 3.00 mA     In Voltage: 5131.25 mV  In Power: 0.00 mW
Out Current: -2.00 mA   Out Voltage: 4112.50 mV Out Power: 10.00 mW
In Current: 4.25 mA     In Voltage: 5132.50 mV  In Power: 10.00 mW
Out Current: 1.75 mA    Out Voltage: 4046.25 mV Out Power: 0.00 mW
In Current: 5.50 mA     In Voltage: 5132.50 mV  In Power: 10.00 mW
Out Current: 0.50 mA    Out Voltage: 4140.00 mV Out Power: 10.00 mW
In Current: 13.00 mA    In Voltage: 5112.50 mV  In Power: 10.00 mW
Out Current: 0.50 mA    Out Voltage: 4141.25 mV Out Power: 10.00 mW
In Current: 13.00 mA    In Voltage: 5111.25 mV  In Power: 50.00 mW
Out Current: 0.50 mA    Out Voltage: 4172.50 mV Out Power: 10.00 mW
In Current: 4.25 mA     In Voltage: 5130.00 mV  In Power: 10.00 mW
Out Current: 0.50 mA    Out Voltage: 4026.25 mV Out Power: 10.00 mW
In Current: 1.75 mA     In Voltage: 5132.50 mV  In Power: 0.00 mW
Out Current: -0.75 mA   Out Voltage: 3950.00 mV Out Power: 10.00 mW
In Current: 4.25 mA     In Voltage: 5131.25 mV  In Power: 10.00 mW
Out Current: 0.50 mA    Out Voltage: 4006.25 mV Out Power: 10.00 mW
In Current: 4.25 mA     In Voltage: 5130.00 mV  In Power: 0.00 mW
Out Current: -2.00 mA   Out Voltage: 4053.75 mV Out Power: 30.00 mW
In Current: 3.00 mA     In Voltage: 5130.00 mV  In Power: 0.00 mW
Out Current: 0.50 mA    Out Voltage: 4017.50 mV Out Power: 10.00 mW
In Current: 4.25 mA     In Voltage: 5135.00 mV  In Power: 10.00 mW
Out Current: 0.50 mA    Out Voltage: 3987.50 mV Out Power: 10.00 mW
```



This is the result with battery connected to the charging board

```
In Current: 251.75 mA   In Voltage: 4973.75 mV  In Power: 1240.00 mW

Out Current: 286.75 mA  Out Voltage: 3522.50 mV Out Power: 1000.00 mW

In Current: 253.00 mA   In Voltage: 4972.50 mV  In Power: 1240.00 mW

Out Current: 285.50 mA  Out Voltage: 3523.75 mV Out Power: 1000.00 mW

In Current: 254.25 mA   In Voltage: 4972.50 mV  In Power: 1250.00 mW

Out Current: 288.00 mA  Out Voltage: 3523.75 mV Out Power: 1000.00 mW

In Current: 254.25 mA   In Voltage: 4973.75 mV  In Power: 1240.00 mW

Out Current: 286.75 mA  Out Voltage: 3523.75 mV Out Power: 1000.00 mW

In Current: 253.00 mA   In Voltage: 4973.75 mV  In Power: 1240.00 mW

Out Current: 286.75 mA  Out Voltage: 3522.50 mV Out Power: 1000.00 mW

In Current: 251.75 mA   In Voltage: 4973.75 mV  In Power: 1240.00 mW

Out Current: 286.75 mA  Out Voltage: 3523.75 mV Out Power: 1000.00 mW

In Current: 251.75 mA   In Voltage: 4973.75 mV  In Power: 1240.00 mW

Out Current: 289.25 mA  Out Voltage: 3523.75 mV Out Power: 1000.00 mW

In Current: 253.00 mA   In Voltage: 4972.50 mV  In Power: 1240.00 mW

Out Current: 288.00 mA  Out Voltage: 3523.75 mV Out Power: 1000.00 mW

In Current: 254.25 mA   In Voltage: 4973.75 mV  In Power: 1250.00 mW

Out Current: 286.75 mA  Out Voltage: 3525.00 mV Out Power: 1000.00 mW

In Current: 254.25 mA   In Voltage: 4972.50 mV  In Power: 1240.00 mW

Out Current: 288.00 mA  Out Voltage: 3525.00 mV Out Power: 1000.00 mW

In Current: 251.75 mA   In Voltage: 4975.00 mV  In Power: 1240.00 mW

Out Current: 286.75 mA  Out Voltage: 3525.00 mV Out Power: 1000.00 mW

In Current: 253.00 mA   In Voltage: 4972.50 mV  In Power: 1240.00 mW

Out Current: 289.25 mA  Out Voltage: 3523.75 mV Out Power: 1010.00 mW

In Current: 254.25 mA   In Voltage: 4973.75 mV  In Power: 1240.00 mW

Out Current: 286.75 mA  Out Voltage: 3523.75 mV Out Power: 1000.00 mW
```