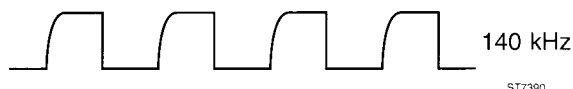


As TP202 (MASKN) is grounded, ScopeMeter does not access the FlashROM software. Only the program in the microprocessor ROM (MASK program) is running.

4. Measure the signal on TP115 (AD15) with an oscilloscope. The oscilloscope must show a 140 kHz signal, see the figure below.



5. Connect the optical interface via the PM9080 cable to a PC (DOS), and send 10 characters X (capital) from the PC to ScopeMeter. Check that ScopeMeter receives the characters (TP340), and that ScopeMeter responds (TP350).

Proceed as follows:

- make a file X.X containing 10 characters X (capitals):

```
type    COPY CON X.X
        XXXXXXXXXXXX
press   Ctrl Z
```

- set the parameters of used the PC communication port, e.g. COM1:

```
type    MODE COM1: 1200 N 8 1
```

- send file X.X (= 10 times a X) to the ScopeMeter:

```
type    COPY X.X COM1
```

NOTE: you can make a batch file X.BAT to repeat the command COPY X.X COM1 continuously proceed as follows:

```
Type    COPY CON X.BAT
        COPY X.X COM1
        X.BAT
Press   Ctrl Z
```

```
Type    X.BAT to start
Press   Ctrl Break to stop.
```

- measure on TP340 (RXD) and TP350 (TXD) with an oscilloscope to see that ScopeMeter receives the characters X (TP340), and that ScopeMeter responds (TP350). On TP340 and TP350 +5V pulses must be measured.

Proceed as follows to stop the kernel test:

1. Switch off the ScopeMeter.
2. Remove the connection between TP202 and ground.
3. Perform a MASTER RESET when switching on again.