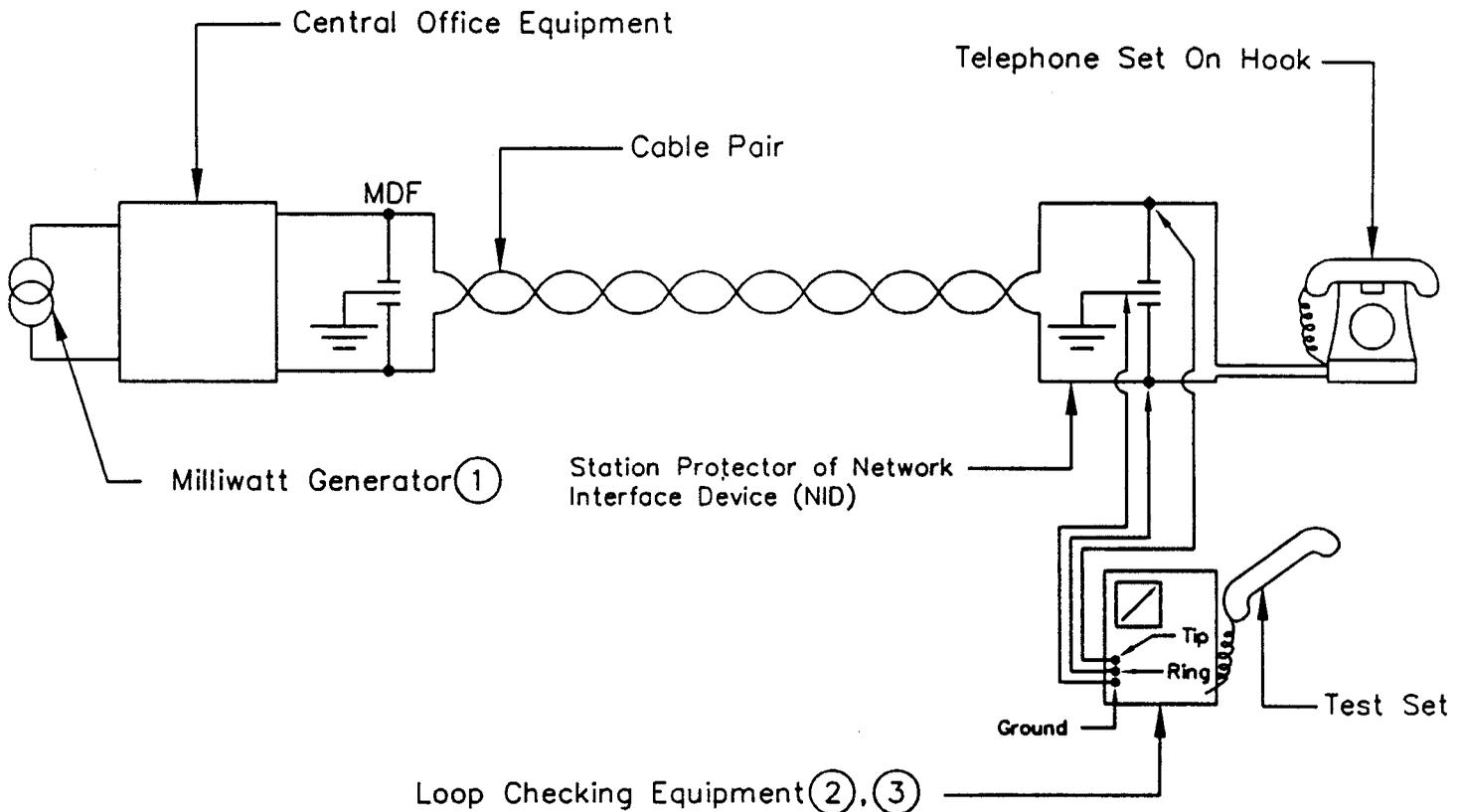


# FIGURE 6

## INSERTION LOSS AND FREQUENCY RESPONSE MEASUREMENT AT SUBSCRIBER LOCATION USING LOOP CHECKING EQUIPMENT



### Calibration

1. Before leaving CO connect Loop Checking equipment to idle line at MDF.
  - A. Dial number of Milliwatt Generator.
  - B. Read and record output level of all tones in dBm for reference.

### Notes:

- ① H.P.-204B, H.P.-204C, General Radio-1335, or equivalent.
- ② N.E.C.-125, N.E.C.-37B, Wilcom-136, Wilcom-336, Wilcom-337, or equivalent.
- ③ Do not leave test equipment connected and exposed to ringing voltage of incoming call. Ringing voltage could damage test equipment.

### Measurement Procedure

1. Connect Loop Checking equipment at subscriber's NID as shown.
2. Dial number of Milliwatt Generator at central office.
3. Verify by listening on the test set that the tones are being received.
4. Switch test set to Circuit Loss mode.
5. Read loss in dBm at each frequency.
6. Record results of loss at each frequency.
7. Subtract the output levels observed at the CO for each tone by the values observed at the subscriber location. The resultant values are the Insertion Loss.
8. Disconnect leads of test equipment from NID when tests are completed.