

Technical Note TN-896

Measuring the Bit Error Rate on TB9100 Base Stations

1 August 2004

Applicability All TB9100 base stations.

1. Introduction

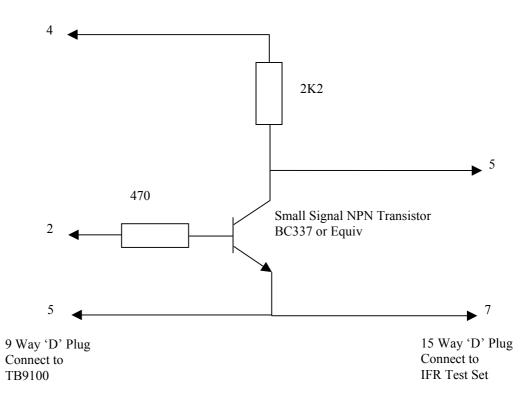
Measuring BERThe TB9100 base station has a built-in ability to estimate the
BER (bit error rate). While this is not an exact measure,
users will find it sufficiently useful in many situations.

Measuring BER
with testIf an exact method of measuring the base station's receive
BER is required, this can be done using an IFR 2975 P25
radio test set from Aeroflex Incorporated. Follow the
instructions in the IFR documentation, and make up the
following interface cable.

2. The Interface cable

Make up the following interface cable for connecting the base station's RS-232 output to the IFR's rear RS-232 input. This cable is necessary because the IFR input does not follow the RS-232 standard..

Parts required9-Way 'D' Plug
9-Way 'D' Shell
15-Way 'D' Plug
15-Way 'D' Shell
Transistor BC337 or equivalent
Resistor 470R
Resistor 2k2



3. Issuing Authority

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