

BELL SYSTEM PRACTICES
Outside Plant Construction
and Maintenance

SECTION G86.061.4
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AT&T Co Standard

27A OSCILLATOR

DESCRIPTION AND MAINTENANCE

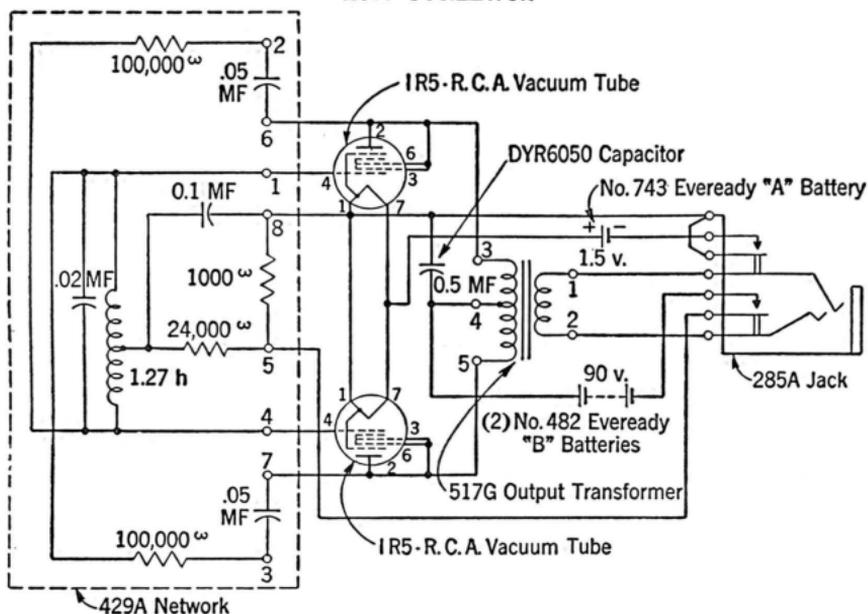
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1. GENERAL

1.01 This section describes the 27A Oscillator which is used primarily in capacitance unbalance testing. The 27A Oscillator supersedes the 11A Oscillator which was used for the same purpose.

transformer. The output level is about +20 dbm (100 milliwatts) into a resistance of 500 ohms. The circuit diagram is shown below.

27A OSCILLATOR



3. MAINTENANCE

3.01 A noticeable decrease in output with batteries of correct voltage is an indication that one or both vacuum tubes may be defective. A new tube should be placed in one socket and then the other, if necessary, to locate the defective tube.

3.02 The expected life of the batteries in the set at a usage of four hours per day is about 400 hours.

3.03 The No. 743 Eveready battery should be replaced when its voltage measures less than .9 volt. The No. 482 Eveready batteries shall test at least 65 volts connected in series. If the series voltage is less than 65 volts, the batteries shall be tested individually and any battery testing less than 35 volts shall be replaced. The batteries should be tested with a KS-8455, 89A test set or equivalent voltmeter.