PERFORMANCE REQUIREMENTS

J98609 MULTIFREQUENCY PULSING SUPPLY

GENERAL EQUIPMENT REQUIREMENTS

COMMON SYSTEMS

1. GENERAL

1.01 This section covers the performance requirements which the J98609 multifrequency pulsing supply circuit shall meet before turnover to the telephone company.

1.02 This section is reissued to incorporate the following changes:

(a) To delete reference to J98608 multifrequency pulsing supply from the title and text since it has been rated "Mfr Disc."

(b) To change the output tolerances in 2.03(a) from +17.8 dbm ±0.25 db to +17.8 dbm +0.40 db, and in 2.03(b) from 6 ±0.2 volts to 6 ±0.3 volts in connection with changes in shop testing requirements.

(c) To change 2.04 so that the voltmeter relay adjustment conforms with specification KS-13747.

1.03 Reference shall be made to Section 800-630-180 covering general requirements and definitions for additional information necessary for the proper application of the requirements.

1.04 The circuits should be in an operating condition for at least 2 hours immediately prior to the tests. The ambient temperature should not change more than 10 degrees during the warm-up and testing period.

2. REQUIREMENTS

A. Circuit Operation Tests

2.01 Tests shall be made to check the following features:

(a) Switching battery alarm

(b) Plate battery alarm

(c) Ground on output leads alarm

(d) Voltage alarm

(e) Transfer

2.02 An over-all circuit operation test shall be made to insure that the number sent out is received at the receiving equipment.

B. Transmission Tests

2.03 The output of each individual oscillator measuring at the frequency jacks shall be:

(a) +17.8 dbm ±0.40 db when using a 40B transmission measuring system, or the equivalent, arranged for measuring level.

(b) 6 ±0.3 volts when using an ac voltmeter (1000 ohms per volt minimum impedance).

2.04 With the voltmeter relay adjustable contact indicator set at the end-of-scale position, the relay shall not operate when there is a difference of one db between the outputs of the associated oscillators, but the relay shall operate when the difference in output is 2 db.

3. TEST REPORTS AND RECORDS

3.01 The required record of these tests shall be entered on the proper form.

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