TYPE N AND ON2 CARRIER TELEPHONE SYSTEMS
DEVIATION REGULATOR
MAINTENANCE TESTS AND ADJUSTMENTS
CHECK OF CARRIER OUTPUT CHARACTERISTICS

This in-service test checks the regulated output of the individual carriers on a selective basis. The routine readings are compared with the measurements recorded during the previous over-all system line-up. See Fig. 1 for the test set arrangement for this test.

APPARATUS:

VTVM, with W2DW Cord

STEP	PROCEDURE
1	Using a W2DW cord, or equivalent, connect the lower (ground) INPUT terminal of the VTVM to the chassis ground; and connect the upper (hot) INPUT terminal to terminal 3 (middle terminal) on the output potentiometers of each of the twelve channel pick-off filters. ***Record the readings.***
2	The reading recorded for each channel in Step 1 should be the value recorded at the time of the last system line-up with limits specified in Table A.
3	If the limits are exceeded, an out-of-service gain frequency test should be made on the deviation regulator to determine whether the trouble is in the equipment, or is due to improper carrier levels being received from the high-frequency line.

TABLE A

REGULATOR IN DIRECTION OF TRANSMISSION	LIMITS
First Regulator	±1.0 db
Second Regulator	±2.0 db
Third Regulator	±3.0 db

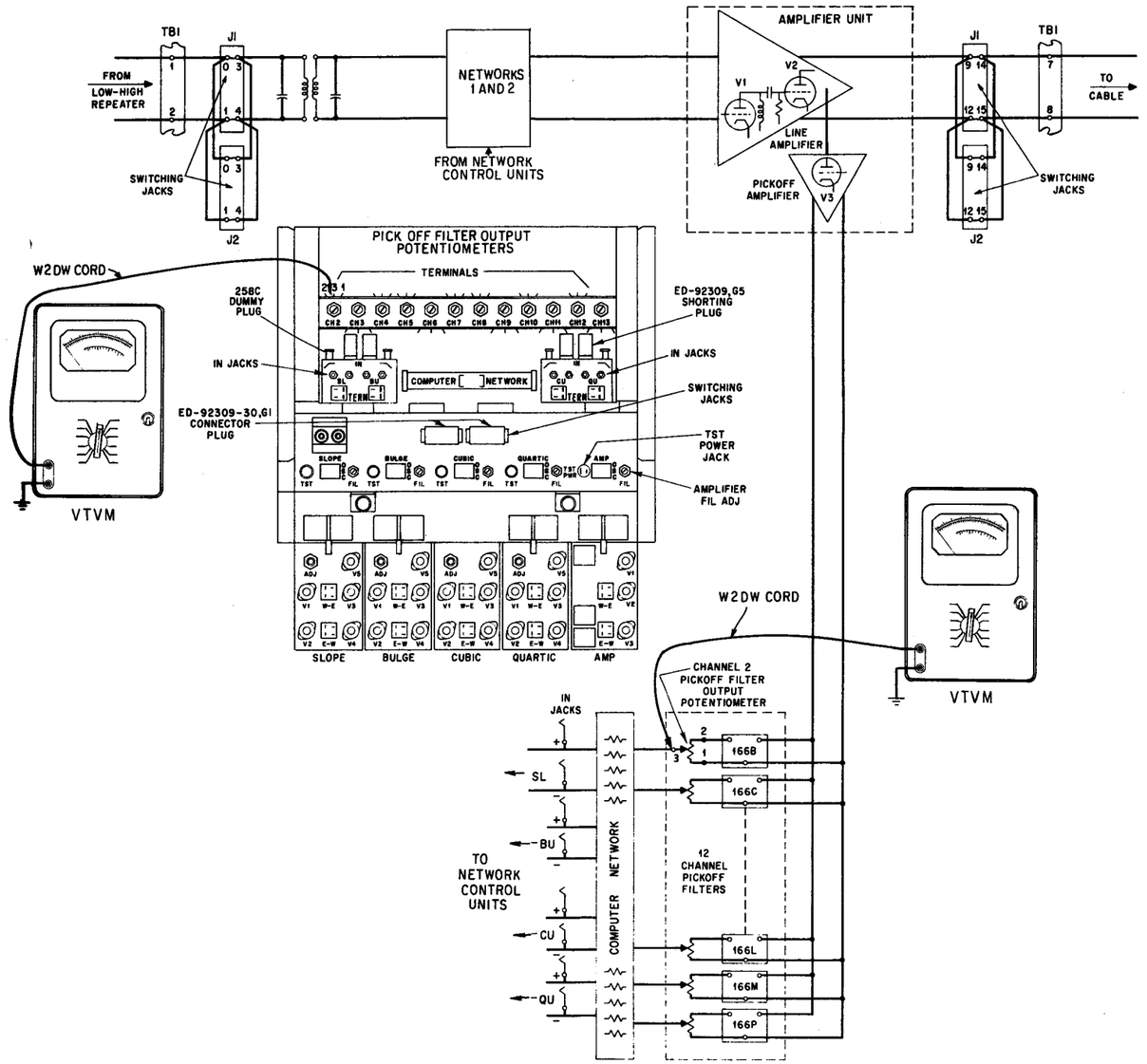

Fig. 1 – Test Set Arrangement for Checking Carrier Output Characteristics