TYPES O AND ON CARRIER TELEPHONE SYSTEMS — TERMINALS AND JUNCTIONS

CHANNEL UNIT LINE-UP — TRANSMITTING

COMPRESSOR OUTPUT

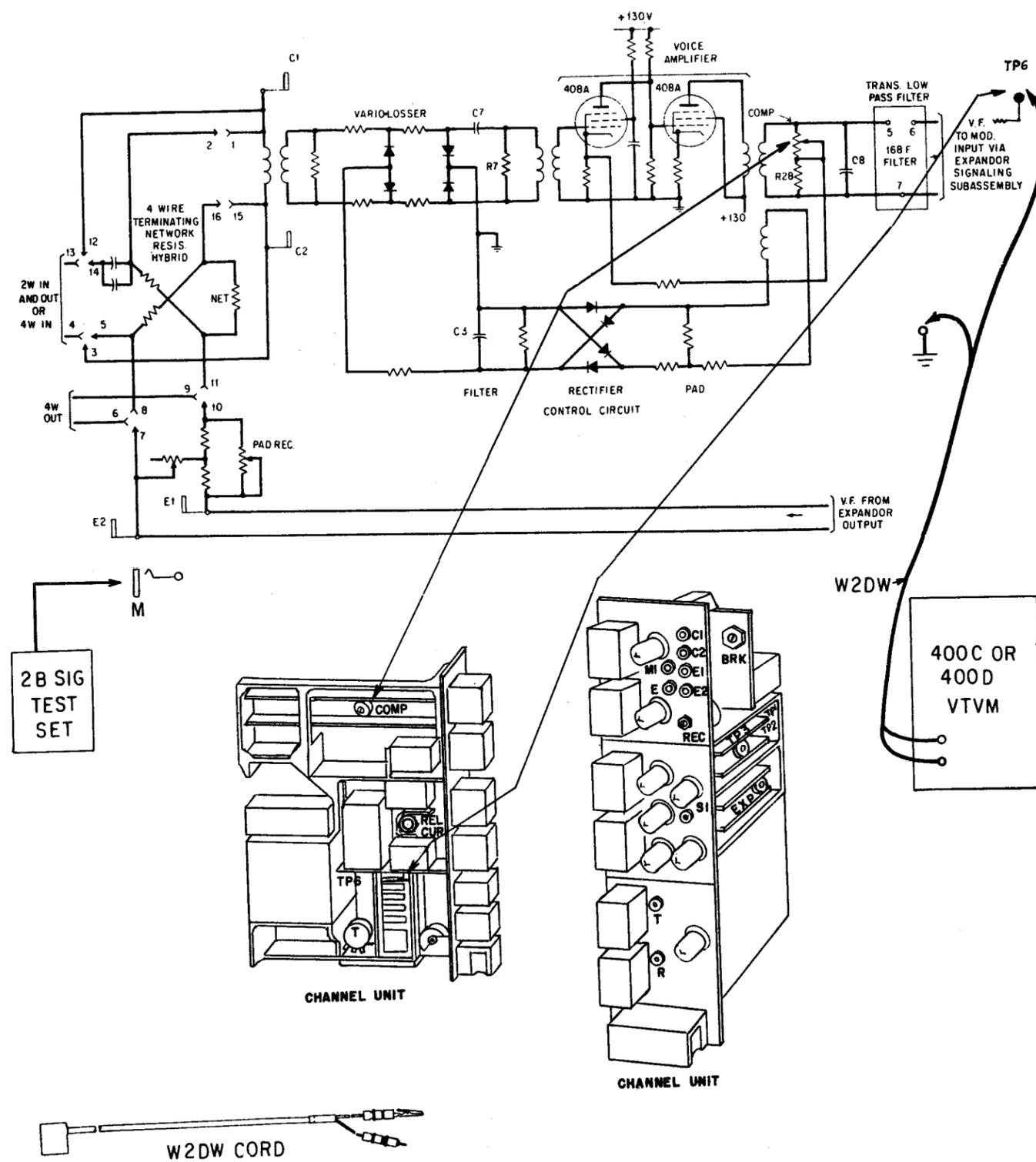This section is reissued to relax the maximum compressor output requirement.

The feedback adjusting potentiometer COMP is used to set the output level for lining up the channel unit. The amplifier passes the voice frequencies to the low-pass filter and furnishes the power required for driving the rectifier which controls the vario-losser attenuation.

The purpose of this test is to measure the output of the compressor circuit and adjust, if necessary, the COMP potentiometer to meet the requirement.

APPARATUS:

1 — Hewlett-Packard 400-type Vacuum Tube Voltmeter
1 — W2DW Cord (used to connect VTVM to test points)
1 — 2B Signaling Test Set
1 — 2P1D Cord (used to connect 2B Signaling Test Set)
1 — Channel Unit Test Stand (J98705M)
1 — P19A Cord (used with channel unit test stand)

STEP	PROCEDURE
1	The channel under test must be out of service and inserted in the test stand.
2	With the 2B signaling test set, put an OFF-HOOK condition on the channel under test. If used at the patching bay, connect the L jack of the 2B test set to SIG L jack of patch bay. If used at the channel unit test stand, connect the M jack of the 2B test set to the M jack of the test stand, using a 2P1D cord. Operate the TWD L key of the 2B test set to OFF HK.
3	Send 1000 cycles at −16 db in the VF IN jack.
4	Connect the 400C or D VTVM to the TP6 terminal on the channel unit and ground.
5	Adjust the COMP potentiometer for a maximum reading.
	Requirement: At least +9.5 db.
	(a) If the requirement is met, proceed to Step 6.
	(b) If the requirement is not met, check the compressor input level at the C1 and C2 jacks with the VTVM. The level should be −16 ± 0.5 db with some variation caused by the grounded VTVM (must be grounded for safety reasons).
	(c) If the requirement is still not met, check the electron tubes in the compressor subassembly.
	(d) If the requirement is still not met, replace the compressor subassembly.
6	Adjust the COMP potentiometer to:
	Requirement: +9.0 db.
7	Remove the test connections.

COMPRESSOR OUTPUT