

SERVICING CENTER TESTS USING 5U (J98705U) TEST SET
J94002N GROUP UNIT SWITCHING SET
N CARRIER SYSTEM
OVER-ALL TESTS

The 2N group unit switching set is a portable test set for use with N1 carrier system, which permits an alternate transmitting or receiving group unit to be substituted for the regular group unit without interrupting service. One high group transmitting unit, one low group transmitting unit, one high group receiving unit and one low group receiving unit are required for use as alternate group units.

The tests outlined herein are designed to check the characteristics of the group unit switching set only. The alternate group units may be tested in accordance with previous sections of this practice.

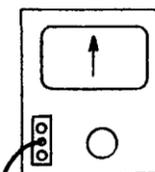
APPARATUS:

- 1—Vacuum Tube Voltmeter
- 1—Oscillator
- 1—126A Adapter
- 2—P2BP Cords
- 1—P2OD Cord
- 1—P3AK Cord
- 1—135-Ohm \pm 5% Resistor

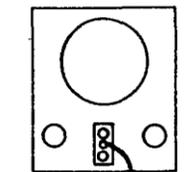
STEP	PROCEDURE
1	Switches A and B on 5U test set on OFF position.
2	Remove the chassis of the group switching set from the case.
3	Connect group switching set, oscillator and vacuum tube voltmeter to 5U test set as shown on associated sketch.
4	Place ALT key in the operated position for all tests.
5	Connect a 135-ohm resistor between terminals 0 and 1 of the ALT group jack.
6	Make test as outlined on chart.

PURPOSE OF TEST	SWITCH POS.		ATT (DB)	CAL (DB)	OSC FREQ (KC)	TEST LIMITS (db)		TS TST	TEST CONDITIONS AND REMARKS
	C	D				MIN	MAX		
1. MAX GAIN	2	10	2	-10.0	160	-10.0			Place GAIN control in extreme clockwise position.
2. MIN GAIN	2	10	0	-10.0	160		-12.0		Place GAIN control in extreme counterclockwise position.
3. GAIN ADJ	2	10	0	-10.0	160	-10.0			Adjust GAIN control for this value with control locked.
4. FREQ RESP	2	10	0	-10.0	50	-11.0	- 9.0		
					100	-10.8	- 9.2		
					200	-10.8	- 9.2		
					250	-11.0	- 9.0		

VACUUM TUBE VOLTMETER

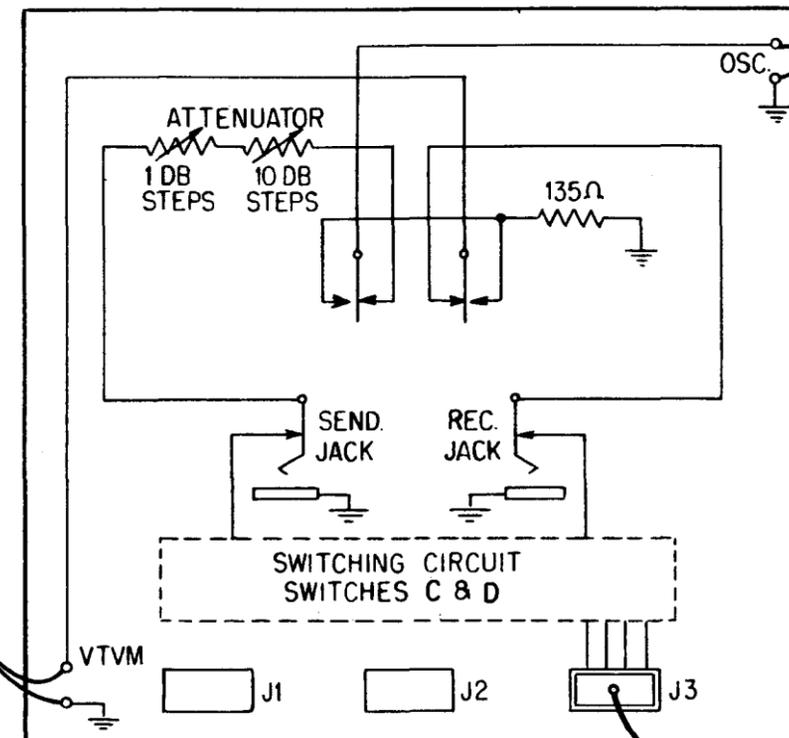


OSCILLATOR



P2BP CORD

P2BP CORD



5U TEST SET
A702.597
E40.668

P3AK CORD

P20D CORD

135Ω

GRP. ALT. JACK

BAT. JACK

REG. GRP. JACK

KEY IN ALT. POS.

GROUP UNIT SWITCHING SET

SD-95128-01

J94002N