

TYPE ON/K CARRIER — REPEATERED HIGH-FREQUENCY LINE INITIAL LINE-UP AND MAINTENANCE TESTS

1. GENERAL

1.01 This section covers the operating instructions for initial line-up and maintenance tests on the repeater equipment components for the ON/K carrier high-frequency line.

1.02 This information is intended to be used after the terminal and repeater equipment has been installed and the equipment and line facilities are ready for the tests. The information also applies to the operation and maintenance of the system while it is in service.

1.03 The extended application of direct distance dialing and special services and the related signaling equipment emphasize the necessity for closely following operating procedures which reduce to a minimum the number of circuit interruptions and irregularities which affect the operation of the signaling equipment. The necessity of applying test and operating procedures without omitting any steps is important in order to avoid irregularities.

1.04 Testing and switching apparatus should be calibrated and maintained in accordance with standard instructions as outlined in Bell System Practices. The calibration of testing apparatus is important since the failure to meet test requirements may be due to errors caused by testing apparatus. Testing apparatus should be calibrated at such intervals as is necessary to insure accuracy of measurement.

1.05 Information in connection with ON terminals and junctions is listed elsewhere in the 362 division of Bell System Practices.

2. INITIAL TESTS

2.01 Initial tests include those tests which are made on the equipment to determine that all facilities will meet their individual requirements at the time of line-up.

2.02 The initial tests necessary to place the ON/K repeatered high-frequency line in service are given in Table I.

TABLE I

TEST	PURPOSE OF TEST	SECTION
1	Preparation and Placement of ON/K Terminal, Repeater and Junction Equipment	362-605-501
2	Heater Voltage Adjustment	362-610-501
3	Tube Tests	362-610-505
4	Carrier Line-Up	362-615-501
5	Compute Carrier Slope	362-600-501
6	Adjustable Deviation Equalizer	362-615-505

3. MAINTENANCE TESTS

3.01 The tests listed in Table II are made on a periodic basis to detect apparatus which has developed trouble or has aged to the point where, if it remained in service, it might cause impairment to service.

TABLE II

TEST	TEST PERIOD	SECTION
Heater Voltage	A	362-610-501
Tube Tests	6M	362-610-505
Total Power Output	6M	362-615-501

A — Annual 6M — 6 Months

3.02 The tests listed in Table III should be made whenever an amplifier is replaced or added.

TABLE III

TEST	SECTION
Heater Voltage	362-610-501
Tube Tests	362-610-505
Total Power Output	362-615-501