

TJ MICROWAVE MAINTENANCE RECORD
FORM 3994TJ

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<u>1. GENERAL</u>	
1.01 This section describes Forms 3994TJ.1 through .6, TJ Microwave Maintenance Record, and their use.	- Form 3994TJ.2 for recording transmitter base band amplifier equipment tests.
1.02 The forms are a trouble history and record of tests on microwave equipment. These tests are made each time the equipment is worked on, whether for repairs or a routine check.	- Form 3994TJ.3 for recording limiter discriminator equipment tests.
1.03 The records will provide an indication of equipment performance and assist in analyzing trouble.	- Form 3994TJ.4 for recording receiver base band and automatic frequency control equipment tests.
	- Form 3994TJ.5 for recording intermediate frequency main amplifier equipment tests.
	- Form 3994TJ.6 for recording intermediate frequency pre-amplifier equipment tests.
<u>2. DESCRIPTION OF FORMS 3994TJ</u>	
2.01 Forms 3994TJ are printed on card stock 3 1/4" long. They vary in width from 7 1/2" to 8 1/2". Their size and design permit filing them in a vertical position in trouble ticket holders, or similar receptacles, mounted on the bays or relay racks.	2.02 The forms list the appropriate drawing number and panel ground jack.
2.02 TJ Microwave Maintenance Records consist of:	2.03 Order Form 3994TJ.1 - .6 from the General Office.
- Form 3994TJ.1 for recordings meter panel readings.	
	<u>3. USE OF FORMS 3994TJ</u>
	3.01 When TJ microwave equipment is energized, prepare one set of Forms 3994TJ for each bay of equipment. Enter the bay number on each card. On the first line:

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(a) Enter the date of the initial reading.

(b) Enter meter readings taken at the various pin jack or measuring points in the different sub-assemblies. Column headings indicate the jacks to which the voltmeter is to be connected, the setting to use, and the voltage or current being measured.

(c) Note the adjustment or replacement.

(d) Except on the meter panel card, the tester enters his initials.

3.04 Another set of readings should be entered on the next line after adjustments or replacements are made.

3.05 When repair work or a routine maintenance check is done on the equipment, take a new set of readings before adjusting or replacing equipment. Enter these readings on the next line, as outlined in Paragraph 3.01. Compare them with previous readings to locate trouble or determine equipment performance, weakness, or trends toward failure.

