

TD-3 MICROWAVE RADIO
J68386G AND J68386H TRANSMITTER-RECEIVER BAYS
IN-SERVICE FREQUENCY CHECKS ON 40-MHz OSCILLATOR
USING ED-50996-10 PORTABLE TEST EQUIPMENT

This appendix supplements Section 411-500-501.

It contains procedures to be followed when making in-service checks on 40-MHz oscillator using ED-50996-10 portable test equipment.

CHART A
IN-SERVICE FREQUENCY CHECKS ON 40-MHz OSCILLATOR

APPARATUS

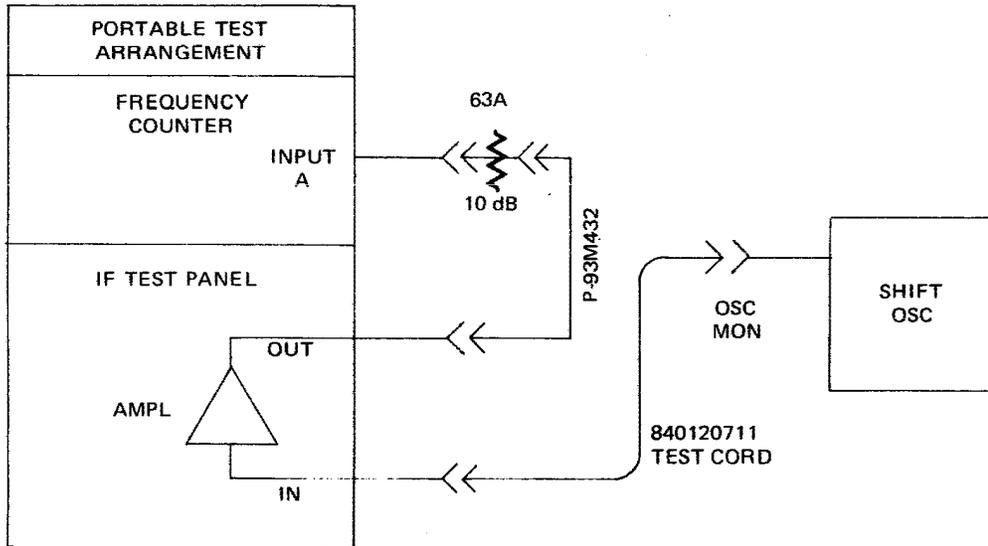
1—ED-50996-10 Portable Test Arrangement

STEP	PROCEDURE
1	To measure the in-service frequency of 40-MHz oscillator, connect test arrangement as shown in Fig. 1.

CHART A (Cont)

STEP

PROCEDURE



COUNTER CONTROL SETTINGS

CONTROL	POSITION
FREQUENCY A (kHz)	10 ms
DISPLAY TIME	MINIMUM
INPUT B INT OSC	INT OSC
GAIN	MID-RANGE
AC TEST DC	AC

ED-50996-10 Portable Test Equipment
Test Arrangement for Measuring In-Service Frequency
40 MHz Oscillator
Fig. 1

2 Observe frequency on counter.

Requirement: 40 MHz \pm 400 Hz (limits: 39,999,600 to 40,000,400 Hz)

If unable to meet the requirement, refer to Section 411-502-500, Common Equipment Tests — Preliminary Checks.

Caution: Under no circumstances should the frequency of the 40-MHz oscillator be adjusted while the bay is in-service. The 40-MHz oscillator may become disabled if the *FREQ* control is adjusted.