

Section 5.3.5 3000B PERFORMANCE TEST RECORD

PERFORMANCE TEST RECORD

Serial # _____

Date # _____

Tech # _____

I. VISUAL INSPECTION

A. External Hardware Inspection

1a. Front panel hardware & appearance _____

8 _____ 9 _____ 10 _____

II. VOLTAGE REQUIREMENTS

A. Regulation

1a. Regulation (104VAC) _____

1b. Regulation (126VAC) _____

4a. Subtone filter response and frequency accuracy: 60 to 238 Hz $\pm .1$ Hz

1 _____ 2 _____ 3 _____

4 _____ 5 _____ 6 _____

7 _____ 8 _____ 9 _____

III. SYSTEM TIME BASE

A. TCXO Accuracy

1a. TXCO error 10.000000 MHz _____ ± 4 Hz

1b. RCV frequency error 852.35 MHz _____
 ± 400 Hz

1c. RCV frequency error 52.35 MHz _____
 ± 20 Hz

5a. Audio sources max output fixed _____

Audio sources max output synth. _____

6a. Scope sweep rate adjusted _____

IV. AUDIO SECTIONS

A. Voltmeter/Scope Calibration Check

1a. 1.5 V peak measurement meter (1.5V) _____
 $\pm .075$ V

1.5 V peak measurement scope (1.5V) _____
 $\pm .075$ V

2a. Audio in LED w/200 mV _____

3a. 1000 to 9999 Hz Audio Synthesizer ± 1 Hz

1 _____

2 _____ 3 _____ 4 _____

5 _____ 6 _____ 7 _____

B. SINAD

1a. Notch Range _____ < -20 dB

1b. Accuracy (-12 dB) _____ ± 1 dB

V. HIGH FREQUENCY SYNTHESIZER

A. Lock Requirements

1a. A3 lock through range _____

VI. GENERATOR FUNCTIONS

A. Residual FM

1a. Residual FM 450 MHz _____ < 100 Hz

Residual FM 850 MHz _____ < 100 Hz

B. FM Deviation Accuracy

1a. 5 kHz Generator deviation accuracy (3.5 kHz average) $\pm .35$ kHz (10%) 3.19 to 3.89