

***TB 9-6625-2043-35**

DEPARTMENT OF THE ARMY TECHNICAL BULLETIN

CALIBRATION PROCEDURE FOR RF POWER METER BOONTON ELECTRONICS MODELS 42B, AND 42BD WITH POWER DETECTORS BOONTON ELECTRONICS, MODELS 41-4A, 41-4B AND 41-4E

Headquarters, Department of the Army, Washington, DC

23 March 2005

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*This bulletin supersedes TB 9-6625-2043-35, dated 7 June 1985, including all changes.

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SECTION I IDENTIFICATION AND DESCRIPTION

1. Test Instrument Identification. This bulletin provides instructions for the calibration of RF Power Meter, Boonton Electronics Models 42B, and 42BD with, Power Detectors, Boonton Electronics, Models 41-4A, 41-4B, and 41-4E. The manufacturers' manuals and TM 11-6625-2857-14 were used as the prime data sources in compiling these instructions. The equipment being calibrated will be referred to as the TI (test instrument) throughout this bulletin.

a. Model Variations. The calibration procedure was written around the Analog Model 42B. Some control settings are different and not required for the digital models. When different, the adjustments for model 42BD are shown in parenthesis.

b. Time and Technique. The time required for this calibration is approximately 4 hours, using the dc and low frequency and microwave techniques.

2. Forms, Records, and Reports

a. Forms, records, and reports required for calibration personnel at all levels are prescribed by TB 750-25.

b. Adjustments to be reported are designated (R) at the end of the sentence in which they appear. When adjustments are in tables, the (R) follows the designated adjustment. Report only those adjustments made and designated with (R).

3. Calibration Description. TI parameters and performance specifications which pertain to this calibration are listed in table 1.