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TITLE: Boonton 4240 and 9240 Series Instrument Security Procedures QSP-09-009 REV NEW

This discussion covers the following Boonton Electronics models: 4241 and 4242 RF Power Meters and 9241 and 9242 RF Voltmeters.

1. **Memory Description.** The Boonton 4240 and 9240 Series instruments contain three types of internal memory, designated (a) through (c):
2. **Size/type of memory:**
 - a. Non-volatile FLASH, 4M bit x 2 (256Kx16x2), AM29LV400B
 - b. Non-volatile EEPROM, 128k bit (16Kx8), AT24C128
 - c. Volatile SRAM, 64M bit (2Mx32), MT48LC2M32B2
3. **Location of memory:**
 - a. All memories (a, b, c) are located on the instrument main circuit board.
4. **Contents of memory:**
 - a. Instrument operating firmware and tables.
 - b. Permanent configuration and factory calibration data, and stored user configurations.
 - c. All temporary program and user information
5. **Memory read access:**
 - a. Read by microprocessor to boot and execute application program. Not user accessible.
 - b. Read by microprocessor to retrieve configuration and calibration data. Some data can be retrieved by user.
 - c. Read by microprocessor to recall volatile program data.
6. **Memory write access:**
 - a. None. FLASH must be factory programmed.
 - b. Only "Setup Save" configuration information EEPROM may be user stored. 10 setups.
 - c. Written by microprocessor to store volatile program data.
7. **Sanitization procedure:**
 - a. None. No user-accessible data is stored in FLASH.
 - b. The only user-accessible areas of the EEPROM are the "saved user setup" registers (10 locations). These registers may be cleared by recalling SANITIZE in Menu>SETUP>RECALL. When complete all saved location are set to the DEFAULT setting.
 - c. All SRAM data may be erased by removing power from the instrument for 15 seconds.

9 Entin Road, Suite 101, Parsippany, NJ 07054 USA

 +1 973 386 9696  +1 973 386 9191  sales@maurymw.com  maurymw.com