DATE: 09/15/2025

TITLE: Boonton Model 4300 Instrument Security Procedures QSP-09-007 REV. NEW

Product Name: Boonton Electronics 4300 RF Power Meter

Non-Volatile Memory:

PWA	DESCRIPTION	REF DES	TYPE	SIZE
CONTROL	CONTROL ROM	U6	27256	256k-bit
CONTROL	TABLE ROM	U18	2764	256k-bit
CONTROL	SRAM + battery	U10, U12	5564	64k-bit
INPUT	PROGRAM ROM	U1	2764	64k-bit
INPUT	SRAM + battery	U3	5564	64k-bit
30 MHZ CAL OPT	CAL EEPROM	U3	2804	512 byte

Volatile Memory:
none

Security Summary:
The user cannot access non-volatile memory except to store and recall instrument setups.

Instrument firmware is stored in CONTROL ROM and PROGRAM ROM on CONTROL PWA
Factory calibration data is stored in the TABLE ROM and CAL EEPROM on CAL OPT PWA
Program data and instrument setup data is stored in battery-backup SRAM on CONTROL PWA
Sensor calibration and zeroing data is stored in battery-backup SRAM on INPUT PWA

These instrument setups can be reset to "default" using the following procedure:

Security Procedure (clears all user data):
1. Press **SHIFT** > **INSTR RECALL** key (**SPCL** button)
2. Enter 0 then press the **ENTER** key. This recalls the default settings for the instrument.
3. Store the default settings to all storage locations by performing the following steps.
4. Press **SHIFT** > **INSTR STORE** key (**MULTI** button)
5. Enter 1 then press the **ENTER** key. The defaults setting are then stored into location 1.
6. Repeat steps 4 and 5 for all instrument storage locations 2 through 9 to set all storage locations to default settings.

Alternate Procedure:
Remove coin cell battery BT1 from CONTROL PWA with instrument power off.
Wait 30 seconds
Replace battery.

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