

DEPARTMENT OF THE ARMY TECHNICAL BULLETIN

CALIBRATION PROCEDURE FOR
WAVEMETER FR-91A/U AND FR-91/U
(NSN 6625-00-532-4232)

Headquarters, Department of the Army, Washington, D.C.
7 May 1976

TB 11-6625-293-35/1, 3 March 1966, is changed as follows:
The title of the bulletin is changed as shown above.

Page 1. Table of contents. "Reporting of technical bulletin improvements" is changed to read "Reporting of errors."

Paragraph 2 is superseded as follows:

2. Reporting of Errors. Report of errors, omissions, and recommendations for improving this publication by the individual user is encouraged. Reports should be submitted on DA Form 2028 (Recommended Changes to Publications and Blank Forms.) and forwarded direct to Commander, US Army Electronics Command, ATTN:

DRSEL-MA-Q, Fort Monmouth, NJ 07703.

Paragraph 3, line 4. Add "and FR-91/U, 1600 to 2250 mc" after the word "megacycles."

Page 2. Paragraph 3b. Frequency range. Add "for FR-91A/U and 1600 to 2250 mc for FR-91/U." after the word "mc."

Paragraph 5 is superseded as follows:

5. Differences Among Models. FR-91A/U has frequency range of 1600 to 2800 mc. FR-91S/ has frequency range of 1600 to 2250 mc."

Page 3. Table 1A is superseded as follows:

Table 1. Equipment Required for Calibration Performance Checks and Adjustments

Nomenclature	NSN
Frequency meter, AN/USM-26() with Frequency Comparator, CM-77/USM and Frequency Converter, CV-349/USA-5	6625-00-543-1356 6625-00-080-7204 6625-00-866-5381
or Frequency counter, Hewlett-Packard, Model 5245L, with Frequency converter, Hewlett-Packard, Model 5245C. Signal Generator, AN/URM-61 and Signal Generator, AN/URM-64 ()	6625-00-519-2056 6625-00-283-9621
or Signal Generator, Hewlett-Packard Model 8614A ¹	

¹ Frequency calibration in paragraph 9 is limited to 1600-2400 MHz, when Model 8614A is used.

Table 2 is superseded as follows:

Table2. Frequency Accuracy

Unit Under Test Frequency Setting (mc)	Frequency Meter Indication (Frequency Counter) (MHz)	
	Min	Max
1600	1599.68	1600.32
1800	1799.64	1800.36
2000	1999.60	2000.40
2200 ¹	2199.56	2200.44
2250 ²		
2400	2399.52	2400.48
2600	2599.48	2600.52
2800	2799.44	2800.56

¹Discount Signal Generator, AN/URM-64 and connect Signal Generator, AN/URM-61.

²Terminate any further frequency checks for FR-91/U.

Page 4. Figure 2. "FR-91A./U WAVE METER UNIT UNDER TEST" is changed to read "FR-91/U AND FR-91A/U WAVE METER UNIT UNDER TEST."
"Wavemeter FR-91A/U frequency accuracy equipment

setup." is changed to read "Wavemeter FR-91A/U and FR-91/U frequency accuracy equipment setup."

By Order of the Secretary- of the Army:

Official:

PAUL T. SMITH
Major General, United States Army
The Adjutant General

FRED C. WEYAND
General, United States Army
Chief of Staff

Distribution:

To be distributed in accordance with DA Form 12-34A, (qty rqr block no. 75) Requirements for Calibration Procedures Publications.

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