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CALIBRATION PROCEDURE FOR TEST FACILITY SET AN/GRM-95(V)2 (NSN 6625-01-104-8926)

REPORTING ERRORS AND RECOMMENDING IMPROVEMENTS You can help improve this manual If you find any mistakes or if you know of a way to improve the procedures, please let us know. Mail your letter or DA Form 2028 (Recommended Changes to Publications and Blank Forms) directly to: Commander, US Army Communications-Electronics Command and Fort Monmouth, ATTN: AMSELME-MP, Fort Monmouth, NJ 07703-5007. In either case, a reply will be furnished direct to you.

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SECTION I

GENERAL

1. Purpose and Scope

a This bulletin provides information for the periodic calibration of Test Facility Set ANIGRM-95(V) GRM-95(V)2 (fig 1-1, 1-2, 1-3, 1-4, 1-5 and 1-5.1) This bulletin is to be used by calibration personnel who are trained in the use of calibration test and measuring equipment Detailed instructions concerning operation and use of the standards are not contained in this bulletin

b. This bulletin also contains illustrations showing the location of all controls and components utilized in this calibration procedure, as well as diagrams showing equipment setups. Equipment ground connections are not necessarily shown in the diagrams.

2. Reporting Equipment Recommendations (EIR)

If your Test Facility Set ANIGRM-95(V)2 needs improvement, let us know. Send us an EIR. You, the user, are the only one who can tell us what you don't like about the design. Put it on an SF 368 (Quality Deficiency Report) Mail it to Commander, US Army Communications-Electronics Command and Fort Monmouth, ATTN: DRSEL-ME-MP, Fort Monmouth, NJ 07703. We'll send you a reply.

3. Description.

a. Test Facility Set AN/GRM-95(V)2 consists of major units:

(1) Transmitter Test Facility TS-2866(V)2/GRM-95(V)2 GRM-95(V), consisting of Receiver Test Panel SB-4048/GRM-95(V)

(2) Receiver Test Facility TS-2867(V)2/GRM-95(V), consisting of Receiver Test Panel 12 SB-4049/GRM-95(V) mounted in Case CY-7800/ GRM-95(V).

NOTE

The transmitter and receiver test facilities each consist of a front panel and a rear chassis on which are mounted plug-in subassemblies.

(3) Test Facilities Accessory Kit MK-1173(V)2 GRM-95(V), consisting of Power Supply PP-6304/ and various assemblies such as attenuator, bridges, loads, detectors, couplers, mixers, an RF switch, spare parts and associated components. The transmitter and receiver test facilities each consisting of a front panel and a rear chassis on which are mounted plug-in subassemblies.

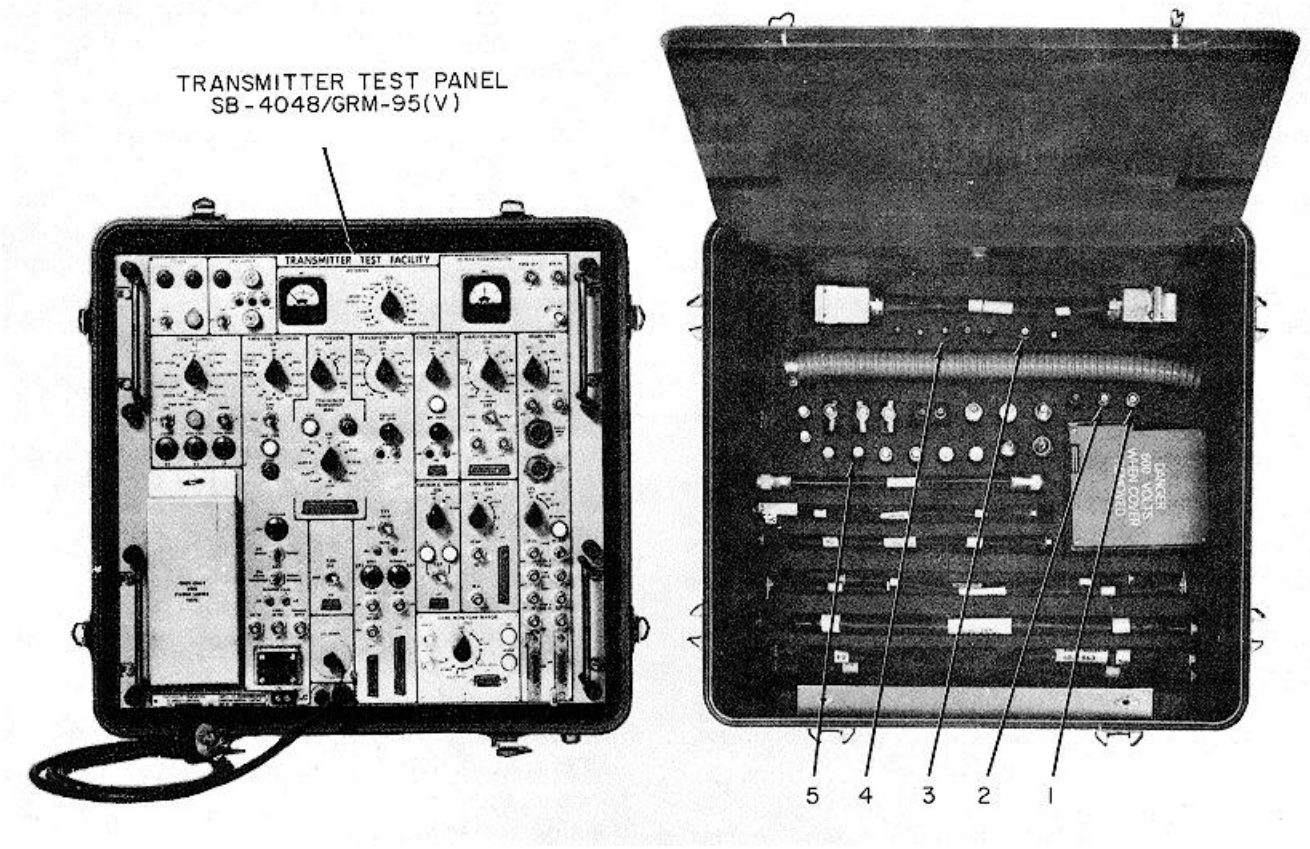
(4) Test Facility Radio Frequency ModulesTS-3837(V) 1GRM-95(V) consisting of Panel Test the Electrical Assembly TS-3832/GRM-95(V) mounted on Case CY-7802/GRM-95(V)The Panel Test Electrical Assembly consists of a front panel on which is mounted various plug-in subassemblies.

(5) Accessory Kit, Test Facility Set MK-1985(V)l/GRM-95(V) consisting of power divider, RF detector, VSWR bridge, trombone adjustable air line, double balanced mixer, VSWR detector, mixer, various attenuator and terminations, directional couplers, filters, circulators and various associated components.

(6) Test Fixtures, Restorer Pulse Form TS-4116/grm-95(v) consisting of a front panel and rear chassis on which are mounted four pcb’s and two power supplies. The front panel/rear chassis is mounted in a two piece aluminum carrying cases. One half of the cases is the cover and contains the test fixture accessories stored in cutaway slots in the foam packing material

b Identification.

Nomenclature	Test Facility Set AN/GRM-95(V)2
Manufacturer	Canadian Marconi Company
Model Number	1000-801180-000
Dimensions	See table 1
Reference	TM 11-6625-1696-12



I- IMPEDANCE MATCHING NETWORK CU-1878/U
2- TEST ADAPTER MX-8413/U
3- IMPEDANCE MATCHING NETWORK CU-1877/U
4- ELECTRICAL DUMMY LOAD DA-530/U
5- ELECTRICAL DUMMY LOAD DA-528/U, DA-529/U

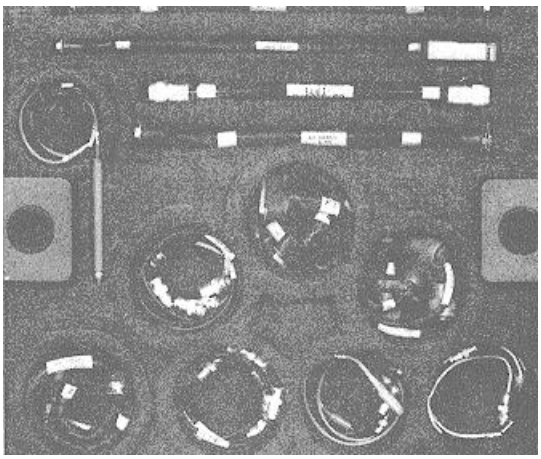


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Figure 1-1. Transmitter Test Facility T.W2866(V)I/GRM-95