

**TECHNICAL MANUAL**

**OPERATOR'S, ORGANIZATIONAL, DIRECT SUPPORT,  
AND GENERAL SUPPORT MAINTENANCE MANUAL  
INCLUDING REPAIR PARTS AND SPECIAL TOOLS LIST  
(INCLUDING DEPOT REPAIR PARTS AND SPECIAL TOOLS LIST)**

**GENERATOR  
SWEEP SIGNAL  
AN/USM-203A**

**This copy is a reprint which includes current  
pages from Change 1.**

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HEADQUARTERS  
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**OPERATOR'S, ORGANIZATIONAL, DIRECT SUPPORT,  
 AND GENERAL SUPPORT MAINTENANCE  
 MANUAL  
 GENERATOR, SWEEP SIGNAL  
 AN/USM-203A  
 (NSN 625-00-935-0145)**

**REPORTING OF ERRORS**

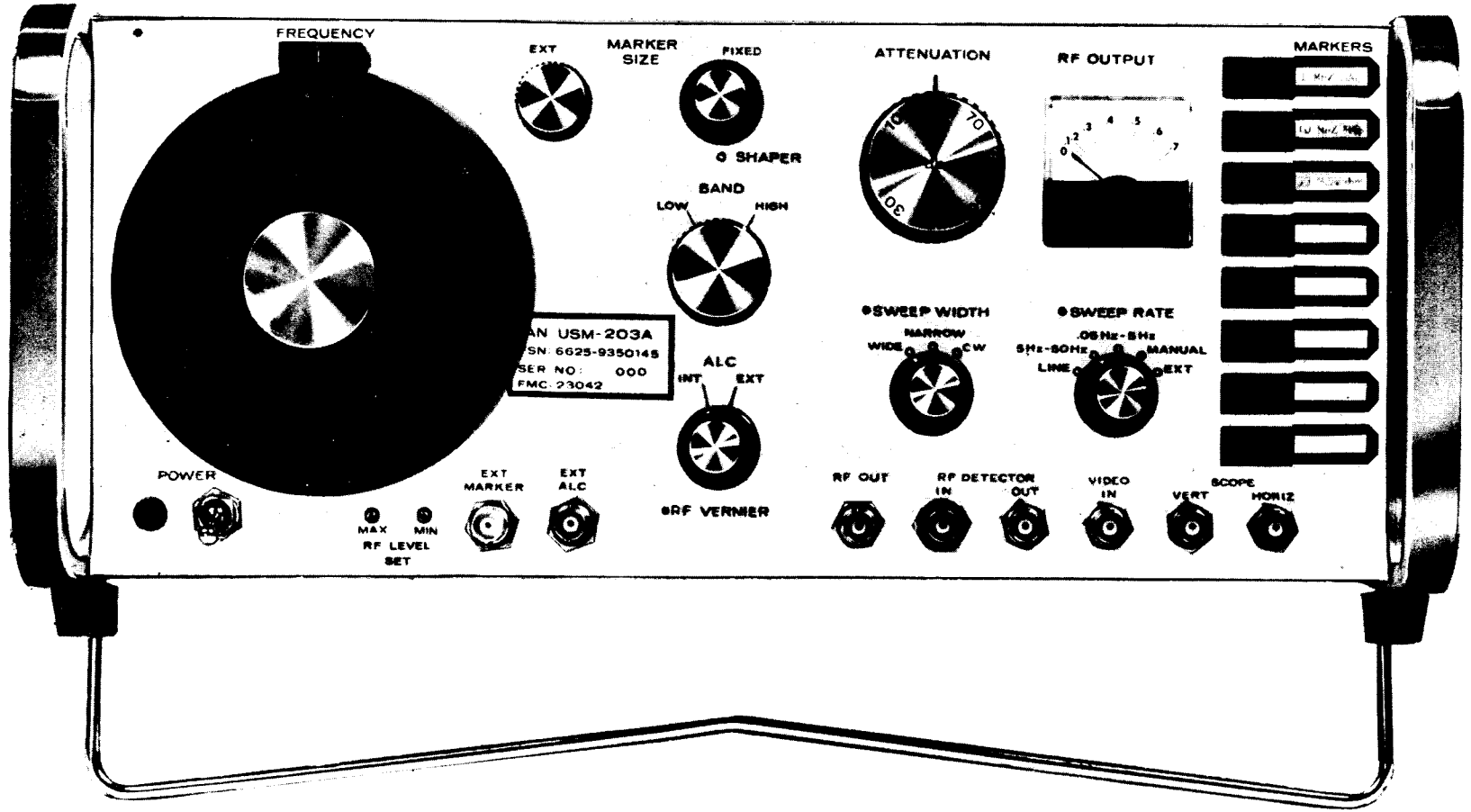
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Figure 1-1. Front view of AN/USM-203A.

# CHAPTER 1 INTRODUCTION

## Section I. GENERAL

### 1-1. Scope

This manual describes Sweep Signal Generator AN/USM-203A. It covers the purpose, use, instructions for installation and operation, and the technical characteristics of the AN/USM-203A. The following maintenance categories are covered: operator/crew (C), organizational (O), direct support (F), and general support (H).

### 1-2. Indexes of Publications

a. *DA Pam 310-4.* Refer to DA Pam 310-4 to determine whether there are new editions, changes, or additional publications pertaining to the equipment.

b. *DA Pam 310-7.* Refer to DA Pam 310-7 to determine whether there are modification work orders (MWO's) pertaining to the equipment.

### 1-3. Forms and Records

a. *Reports of Maintenance and Unsatisfactory Equipment.* Maintenance forms, records, and reports which are to be used by maintenance personnel at all maintenance levels are listed in and prescribed by TM 38-750.

b. *Report of Packaging and Handling Deficiencies.* Fill out and forward DD Form 6 (Packaging Improvement Report) as prescribed in AR 700-58/NAVSUPINST 4030.29/AFR 71-13/MCO P4030.29A, and DSAR 4145.8.

c. *Discrepancy in Shipment Report (DISREP) (SF 361).* Fill out and forward Discrepancy in

Shipment Report (DISREP) (SF 361) as prescribed in AR 55-38/NAVSUPINST 4610.33 B/AFR 75-18/MCO P4610.19C and DLAR 4500.15.

### 1-4. Reporting Equipment Improvement Recommendations (EIR)

EIR's will be prepared using Standard Form 368, Quality Deficiency Report. Instructions for preparing EIR's are provided in TM 38-750, The Army Maintenance Management System. EIR's should be mailed direct to Commander, US Army Communications and Electronics Materiel Readiness Command, ATTN: DRSEL-ME-MQ, Fort Monmouth, NJ 07703. A reply will be furnished direct to you.

### 1-5. Administrative Storage

There is no special procedures for preparing this equipment for limited storage. Place all ancillary items in a bag and tie or tape the bag to the equipment. Place equipment in limited storage, ie, organizational storage room. Protect equipment from dust, humidity, and extreme temperature changes.

### 1-4. Destruction of Army Material

Demolition and destruction of electronic equipment will be under the direction of the commander and in accordance with TM 750-244-2.

### 1-7. Deleted

## Section II. DESCRIPTION AND DATA

### 1-8. Purpose and Use

The AN/USM-203A is a source of rf energy which provides both fixed frequency and sweep fre-

quency signals. Frequency, sweep frequency, and sweep rate are adjustable from front panel controls. The frequency range covered is 500 kHz