

**TABLE 1-5. REFERENCE DATA**

a. Nomenclature	RF Signal Generator Set AN URM-25D
b. Contract	NObsr 59758
c. Contractor	Specialty Engineering and Electronics Co., Brooklyn, New York
d. Cognizant Naval Inspector	Inspector of Naval Materials, New York, New York
e. Number of Packages Involved Per Complete Shipment	1
f. Total Cubical Contents	See Table 1-1
g. Total Weight	See Table 1-1
b. Frequency Range	10 to 50,000 kc $\pm$ 0.5% 1 to 50 mc $\pm$ 0.05% when calibrated against integral crystal.
i. Tuning Bands and Range of Each Band	
(1) Band A	10 to 30 kc
(2) Band B	30 to 95 kc
(3) Band C	95 to 300 kc
(4) Band D	300 to 990 kc
(5) Band E	.95 to 3.0 mc
(6) Band F	3 to 9.5 mc
(7) Band G	9.5 to 30 mc
(8) Band H	30 to 50 mc
j. Types of Amplitude Modulation	0 to 50% with indicated accuracy within 10%
(1) Internal Modulation Frequencies	a. 400 cycles per second $\pm$ 5% b. 1000 cycles per second $\pm$ 5%
(2) External Modulation Frequency	1000 to 15,000 cycles per second
k. Output Voltage (RF)	a. 0.1 to 100,000 microvolts $\pm$ 10% when terminated by 50-ohm external load b. 2 volts adjustable across a high load impedance

**I Section**  
**Table 1-5**

**NAVSHIPS 92134(A)**

**AN/URM-25D**  
**GENERAL DESCRIPTION**

**TABLE 1-5. REFERENCE DATA (Continued)**

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<b>l. Output Voltage (Audio)</b>	
(1) Frequency	400 or 1000 cycles
(2) Voltage	0 to approximately 3 volts adjustable, across an output impedance of approximately 15,000 ohms.
(3) Adjustment	Voltage varied by front panel control
(4) Calibration	Proportional to reading of % Modulation
<b>m. Output Impedance</b>	
	<i>a.</i> 50 ohms at RF OUTPUT X-MULT jack (J102)
	<i>b.</i> 500 ohms at RF OUTPUT X-200K jack (J101)
	<i>c.</i> 15,000 ohms at EXT MOD IN-AUDIO OUT-XTAL CAL OUT jack (J105) for crystal calibration monitoring - 33,000 ohms for external modulation input
<b>n. Power Supply PP-977/URM-25D</b>	
(1) Power Source Requirements	115 volts $\pm$ 10%, 50 to 1000 cycles per second, single-phase
(2) Power Consumption of Equipment	Approximately 48 watts

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