

STATUS: Limited Standard

CLASSIFICATION OF EQUIPMENT: Unclassified

USING SERVICE: Navy

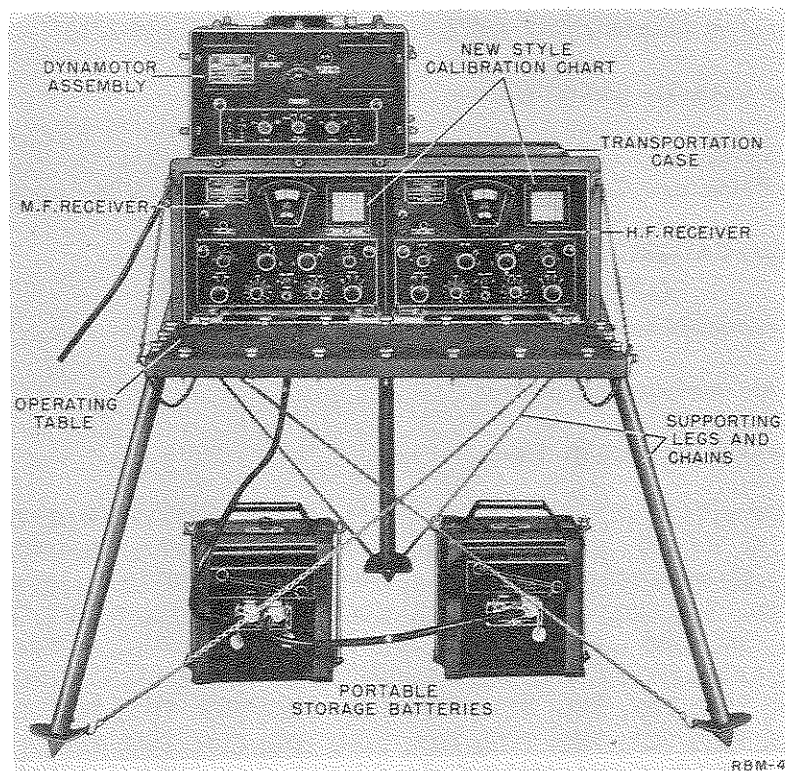
DATE OF THIS SHEET: 4 Apr 52

AN/TRR-TYPE

SERVICE TYPE NUMBER:

RBM-4, -5

PORTABLE RADIO RECEIVING EQUIPMENT



Portable Radio Receiving Equipments RBM-4 and RBM-5 are intended primarily for general purpose field service. They consist of two receivers which may be operated separately or together, permitting simultaneous reception in the m-f and h-f ranges.

This equipment is self-contained and can operate on a-c power or a storage battery. Acid for the batteries is included; however, a means of charging the batteries must be provided.

This equipment is often used together with a Portable Radio Transmitting Equipment TBW series, which includes a battery charging unit.

Receiving antennas and headsets are required but not supplied.

AN/TRR-TYPE		INSTRUCTION LITERATURE: NavShips 900,385
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MAJOR COMPONENTS

QUANT	NAME OF COMPONENT	DIMENSIONS (IN) INSTALLED	WEIGHT (LBS)
1	Radio Receiver Assembly CAY-46078, -46078-A	12-7/16 x 29-1/16 x 19-7/16	95
1	Dynamotor Assembly CAY-21387, -21387-A	10-7/16 x 16 x 12	30
2	Portable Storage Battery CES-19017	12-1/2 x 11-3/4 x 8-3/4	41
1	Rectifier Power Unit CAY-20086, -20086-A	9-11/16 x 7-7/8 x 14-3/16	31
1	Control Unit CAY-23278, -23278-A	8-13/16 x 7 x 8	11

OPERATIONAL CHARACTERISTICS

TACTICAL USE: Advanced bases, shore stations.

INSTALLATION: Air transportable, ground.

APPROXIMATE RANGE (IN MILES): Long.

CAN COMMUNICATE WITH: AN/ARC-2, -5, -8, -9, -21, -25; AN/ART-13; AN/CRT-3, -5; AN/FRC-10; AN/FRT-5, -6, -10, -15, -17, -18, -19; AN/GRC-9, -13, -26; AN/GRT-2; AN/MRC-2, -6, -16, -20, -22; AN/PRC-7, -19, -20; AN/SRC-3; AN/SRT-1, -4; AN/TRQ-1; AN/URT-2, -3, -4; AN/VRC-1, -4; BC-191, -329, -339, -365, -401, -447, -610; MBS; MQ; OA-60A/FRT, -60B/FRT; RC-52; SCR-177, -188, -193, -274, -281, -399, -499, -506, -536, -543, -585, -694; T-4/FRC, -5/FRC, -83/SR, -158/FRT, -159/FRT, -171/FR, -172/FR, -173/FR, -174/FR, -175/FR, -177/FR, -180/FR; TAB; TAJ; TAQ; TBA; TBC; TBK; TBL; TBM; TBN; TBO; TBU; TBW; TBX; TCB; TCC; TCE; TCH; TCK; TCP; TCS; TCY; TCZ; TDD; TDE; TDF; TDH; 1DK; TDN; TDO; TEB; TEC; TEF; Collins 18S-4 (AF Model); Collins 32V-2; Fisher TS 25-3; Marconi TH-41-B; Westinghouse Type MW; Wilcox 96D, 99A.

TECHNICAL CHARACTERISTICS

FREQUENCY RANGE IN MEGACYCLES: 0.20 - 20.0, in 8 bands.

M-f receiver: 0.20 - 0.36, 0.36 - 0.65, 0.65 - 1.14, 1.14 - 2.0.

H-f receiver: 2.0 - 3.6, 3.6 - 6.5, 6.5 - 11.4, 11.4 - 20.0.

TYPE MODULATION: Am.

TYPE OF SIGNAL: Cw, icw, mcw, voice.

POWER OUTPUT: 50 mw into 600-ohm load.

POWER REQUIREMENTS: Battery operation: 122 w, 12 v.

A-c operation: 80 w, 115 v, 60 cyc, 1 phase.

PHYSICAL CHARACTERISTICS

Portable Radio Receiving Equipment RBM-4 or RBM-5 measures 52 x 45 x 47 inches, net weight 242 pounds, volume 64 cu ft, 1.6 ship tons. Packed for domestic shipment: total weight 590 pounds, total volume 32.55 cu ft, 0.81 ship ton. Shipped in 2 packages. (This equipment mounts on 4 relatively high legs which are removed when the equipment is packed for shipment.)