Radio Transmitting Set AN/FRT-15 is a general service, medium-power, am (cw, mcw, voice, frequency shift keying, facsimile) transmitter for shore-station use.

This equipment provides telephone dial-type, automatic tuning for ten preset crystal (or master oscillator) controlled channels.

Keying speeds up to 500 wpm on cw transmission, and 50 wpm on mcw are possible.

The transmitter has a built-in frequency shift keying unit.

Provisions are included for complete remote control of this set over a two-pair telephone line.
MAJOR COMPONENTS

<table>
<thead>
<tr>
<th>QUANT</th>
<th>NAME OF COMPONENT</th>
<th>DIMENSIONS (IN) INSTALLED</th>
<th>WEIGHT (LBS)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Radio Transmitter Group</td>
<td>84 x 29 x 31</td>
<td>775</td>
</tr>
<tr>
<td></td>
<td>OA-205/FRT-15</td>
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<tr>
<td>1</td>
<td>Radio Modulator Group</td>
<td>84 x 29 x 31</td>
<td>830</td>
</tr>
<tr>
<td></td>
<td>OA-204/FRT-15</td>
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<td></td>
</tr>
<tr>
<td>1</td>
<td>Power Supply Group OA-206/FRT-15</td>
<td>84 x 26 x 31</td>
<td>1,950</td>
</tr>
<tr>
<td>2</td>
<td>Transmitter Control C-745/FRT-15</td>
<td>9 x 19 x 11</td>
<td>105</td>
</tr>
</tbody>
</table>

OPERATIONAL CHARACTERISTICS

TACTICAL USE: Shore stations.

INSTALLATION: Ground, fixed.

APPROXIMATE RANGE (IN MILES): Medium.

CAN COMMUNICATE WITH: AN/ARC-2, -5, -8, -9, -21, -25, -26; AN/ARR-15; AN/FRC-10; AN/FRR-3, -5, -7, -12, -15, -25, -52; AN/GRC-9, -14, -15, -26; AN/GRR-2, -5, -8, -15; AN/MRC-2, -6, -11, -20, -22; AN/PRC-7, -19, -20; AN/SRR-3, -8, -12, -13; AN/TRQ-1; AN/URR-10, -12, -22, -23; AN/WRC-1, -4; AN/WRR-2; BC-312, -342, -348, -779, -787, -794, -1004; BBS; HQ; OA-58/FRC, -59/FRC; R-62/P, -80/P, -96/S, -129/U, -137/G, -210/S, -205/U, -206/F, -207/F, -209/F, -210/U, -211/U, -213/S, -216/F, -320/FRC, -388/URR; RAL; WG; RAS; RB; RC; RG; RB; RBK; RBB; RBO; RPS; RCF; RCG; RCH; RDE; RDM; REA; SCR-177, -198, -211, -214, -274, -281, -599, -499, -506, -536, -540; -551; -565; -593, -607, -698; -704; TS; TX; TY; TO; TCP; TCS; AP-98 (RCA); Collins 18S-4 (AF Model); Collins 75A-2; Fisher TS 25-3; Hammerlund SP-600-JX; National HRO-50.

TECHNICAL CHARACTERISTICS

FREQUENCY RANGE IN MEGACYCLES: 2 - 30.

TYPE MODULATION: Am.

TYPE OF SIGNAL: Cw, mcw, voice, frequency shift keying, facsimile.

POWER OUTPUT: 3,000 w.

POWER REQUIREMENTS: 9,920 w, 220 v, 50/60 cyc, 3 phase; and 110 v, 50/60 cyc, 1 phase, ac, for remote control unit.

PHYSICAL CHARACTERISTICS

Radio Transmitting Set AN/FRT-15 measures 84 x 81-5/32 x 31 inches. Packed for domestic shipment: total weight 7,413 pounds, total volume 521.33 cu ft, 13 ship tons.