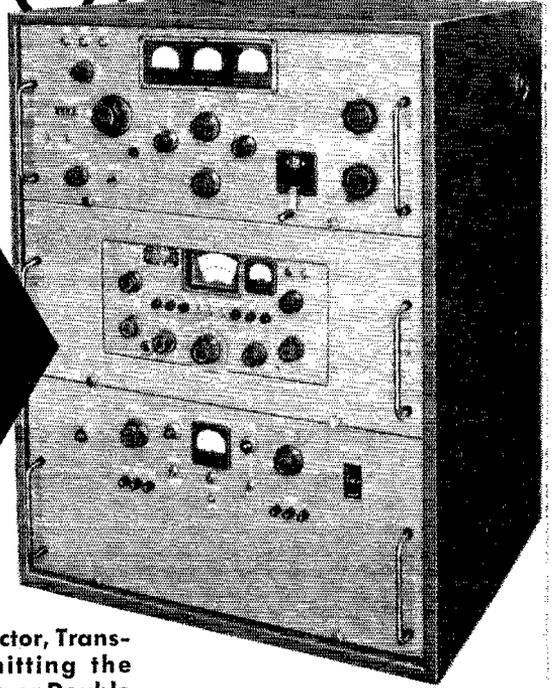




AN/URT-17

MODEL GPT-750(D)

- SINGLE SIDEBAND — SUPPRESSED CARRIER
- INDEPENDENT SIDEBAND — SUPPRESSED CARRIER
- DOUBLE SIDEBAND — FULL CARRIER — SUPPRESSED CARRIER
- FREQUENCY SHIFT
- CW-MCW-AM



TMC

The **TMC** Model SBE-1, Mode Selector, Transmitting, is a universal exciter permitting the transmission of any intelligence on Single or Double Sideband, with or without carrier.

The exciter may be used for simultaneous or independent transmission of intelligence on either upper or lower sideband. For example: A voice channel can be transmitted on the upper sideband while tone multiplex is being transmitted on the lower sideband.

The SBE-1 provides the following commonly known types of operation:

1. Conventional Double Sideband, AM, with the additional advantage of carrier level control.
2. Conventional Single Sideband with adjustable carrier insertion.
3. Conventional Interrupted Carrier, CW, or Sideband Tone CW.
4. Independent Sideband transmission with adjustable carrier insertion.

From the above paragraphs, it should be apparent that the SBE-1 provides transmission which is compatible with any of the current "controversial" systems.

The TMC Model GPT-750, Radio Transmitter provides radio telephone, telegraph, frequency shift and facsimile operation on all frequencies within the range of 2 to 32 Mc.

The GPT-750 is a field proven equipment, service tested, nomenclatured (AN/URT-17) and approved for service use. This transmitter has been used for fixed plant, mobile and shipboard operation and provides 1000 watts output CW and FS, 750 watts output radio telephone (high level modulation) and 750 watts output, PEP, single sideband, all on a continuous commercial service basis. Band switching in all stages.

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THE TECHNICAL MATERIEL CORPORATION