

DATE _____
SH. 1 OF 1
COMPILED BY _____

TMC SPECIFICATION NO. S-375

TITLE: OPERATION, MODEL GPT-750(B) WITH EXTERNAL SBE-2 | JOB _____

APPROVED _____

GENERAL

1. SSB or AM (PHONE) OPERATION.

- a. Function Switch (S402) in "FS-EXT" position.
- b. SSB-Normal Switch (S204) in "SSB" position.
- c. Hi-impedance Mike in J801 of the RTC and/or J101 of the SBE.
- d. Inter-connect SBE, RTP, RTF, RTM, RTC and change-over relay as indicated in Cabling Diagram attached.

2. VMO-XTAL FEATURES.

- a. The VMO or three (3) non-temperature controlled crystals in the RTF may be used to drive the SBE as well as ten (10) temperature controlled crystals in the SBE for a total of thirteen (13) crystal controlled output frequencies plus the VMO. Selection of the VMO or crystals in the RTF is accomplished by placing the MF XTAL switch (S107) on the SBE Front Panel in the "VMO" position and selecting MO or X-1, X-2, X-3 by the Oscillator switch (S401) on the front panel of the RTF. Selection of crystal positions in the SBE is accomplished by placing the oscillator switch (S401) in "CAL" position and placing the MF-XTAL switch (S107) on the SBE Front Panel in positions 1-10 as appropriate.

AM (PHONE) OPERATION

1. Mode Switch (S601) in "PHONE" or "TUNE" position as appropriate (See 3 below).
2. Set up SBE to desired output frequency in "CW" mode of operation as outlined in SBE Instruction Book.
3. Tune and Load Driver and P.A. of GPT-750 for "PHONE" operation as indicated in Section III, Paragraph 2C, Page 3-15, and Section III, Paragraph 2F(2), Page 3-18, of the GPT-750 Instruction Book.

SSB OPERATION

1. Mode Switch (S601) in "CW-FS" or "TUNE" position as appropriate (See 3 below).
2. Set up SBE to desired output frequency in SSB mode of operation as outlined in SBE Instruction Book.
3. Tune and Load Driver and P.A. of GPT-750 for "SSB" operation as indicated in Section III, Paragraph 2E(3), Page 3-18, of the GPT-750 Instruction Book.