

APPENDIX 2

WORKING ON FREQUENCIES BELOW 40 METER

TJ2A works on other bands (80 – 15m, even 160m) by adapting the related components. However, to obtain the best performance, proper band combination is required.

1. Band Combination

Frequencies between 80m and 40m could be combined, including 60m (5.320 - 5.410). 160m could also be combined with 80m or 40m. For example, the 2 bands could be made up of 80m and 40m, 80m and 60m, 60m and 40m, 160m and 80m, 160m and 40m.

2. VXO Crystal Inductor

With the supplied crystal package, No. 5 canned inductor could be used for 80m – 40m (No. 5 canned inductor could be used for 160m). What you have to do is to trim the inductor to get the required, correct frequency coverage.

3. BPF Components

- 80m: Use No. 3 inductor. C70, C71 - 300P; C69, C73: 100P; C72: 4.3P
- 60m: See Appendix 1
- 160m: See Appendix 3
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4. LPF Components

- 80m: L9, L10 – 0.47 wire, 23 turns on T37-2 core. C98, C100 - 820P; C99 - 1500P (820P × 2).
- 60m: See Appendix 1
- 160m: See Appendix 3