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The T41-EP Software Defined Radio Transceiver (SDT)
This book covers the T41-EP from antenna to earphones, presenting both the theory behind the radio as well as construction tips on building the T41-EP.

Open Source – both hardware and software
Teensy 4.1 microcontroller running at 600mHz with 8Mb flash
HF multi-band operation – 80, 40, 20, 15, 10M
20W output SSB/CW yet compact (12x9x5.5")
Modular construction with seven small PCB
Large display – 5", 7", or 9" 800x480 pixels
Push buttons for frequently used options
Built-in CW keyer and CW decoder
Multiple DSP signal filters
Real-time adjustable audio bandwidth filter
2 each 24-bit ADCs and 24-bit DACs
Up to 192kHz spectrum and waterfall bandwidth
Zoom Frequency Spectrum (1X to 16X)
Two VFOs and split operation
S meter in S units and dBm
EEPROM setting for user settings
3 DSP noise reduction methods
Auto-Notch filter
Mic compression
3 Graphic Equalization routines
Cost effective to build

If you are interested in SDR, DSP, or amateur radio, this book is a must have!

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