

Electronics Workshop – November 30, 2017

Time & Location:

7:00 PM

Fire District 6 Training Room, 2123 Jackson Highway, Chehalis, WA

Topics:

1. Triplexer & Bandpass Filters
2. Coils (Inductors) & Q
3. Antenna Analyzer & VNA

Reference:

1. "HF Yagi Triplexer Especially for ARRL Field Day," Gary Gordon, K6KV, QST June 2010, pp. 37-40
2. "The NVARC 'Ugly' Filter Project," <https://www.n1nc.org/Filters/>
3. "Clean Up Your Signals with Band Pass Filters," E. Wetherhold, W3NQN, QST May 1998, pp. 44-51 and June 1998 pp. 39-42
4. K7MEM Air-Core Inductor Design, http://www.k7mem.com/Ind_Coil_Design.html
5. "Series Resonance Circuit," <http://www.electronics-tutorials.ws/accircuits/series-resonance.html>
6. "Parallel Resonance Circuit," <http://www.electronics-tutorials.ws/accircuits/parallel-resonance.html>
7. KN9B Antenna Analyzer, <http://www.kn9b.us/cloud-concept>
8. KN9B Stockton Coupler, http://www.kn9b.us/_/rsrc/1501257285943/cloud-concept/Stockton%20-%20Copy.jpg
9. N2PK Vector Network Analyzer (VNA), <http://n2pk.com/>
10. KN9B "Inline RF Power/VSWR Meter," <http://www.kn9b.us/digital-swr-meter>
11. "A Small, Simple, USB-Powered Vector Network Analyzer Covering 1 kHz to 1.3 GHz," Thomas C. Baier, DG8SAQ, QEX January/February 2009, pp. 32-36.
12. Austin QRP Club Vector Impedance Analyzer, <http://www.qsl.net/k5bcq/Kits/VIA%20User%27s%20Manual%20V1.00.pdf>
13. Austin QRP Club kits, <http://www.qsl.net/k5bcq/Kits/Kits.html>
14. Antenna Analyzer PCB for "Build Your Own Arduino-Based Antenna Analyzer," Jack Purdum, W8TEE, and Farrukh Zia, K2ZIA, QST November 2017, pp. 40-44, <http://qrpguys.apps-1and1.com/w8tee-k2zia-antenna-analyzer>