

## ANTENNA TUNING

Back to the old basics; seems people are still doing it wrong...  
RULE OF THUMB (CUTTING-TUNING): If channel 1 reads high and channel 40 low - the tip is too short... If channel 40 reads high and channel 1 is low - the tip is too long...

---

### EXCERPTS: Letters to Ed..

"Need a PLL/CRYSTAL Change for 02A AM Rig to obtain different Freq. Range"  
ANS: See - Vol. 6, Pgs. 1-2; has 02A AM/SSB, 858 AM, 8719(Both Xtals), TC5080P, and more...

"Need a Power Change Mod. for DAK MK IX" ANS: See Vol. 5, Pgs. 21-23...

"Do you have any info. on Linear's, Troubleshooting?" ANS: YES-PLENTY...  
See - Vol. 1, Pgs. 68-70; Vol. 3, Pgs. 66-76; Vol. 4, Pgs. 65-70;  
Vol. 6, Pgs 54-63; Vol. 7, Pg. 57; Vol. 8, Pgs. 47-50; Vol. 10, Pgs. 68-69;  
Vol. 13, Pgs. 50-51. (Also see this Volume for Kit 137 information and more linear tips..)

---

### SPECIFIC TUNE-UPS

#### Midland 77-808: PLL03A

TX-Peak L9, L8, L4. AMC-RV2 SQ.RNG-RV1 S-Meter..RV3 Tx-Meter..RV4  
Unit has 2SC1306 Final..pour it on..

#### JC Penny 981-6240

AMC - R212 AM PWR - L26 SSB PWR - R316

#### JC Penny 681-6241 & 981-8360

AM Power - RT602 SSB Power - RT701 AMC defeat - D406

#### Hygain Hyrange V

AMC-RV7 SSB ALC-RV8 AM PWR-RV304 SSB PWR-L6, RV5

#### Royce 1-642 (Update)

Questions: What are the following adjustments, CT6 - SWR Meter Calibration.  
VR9 - Transmit/RF Meter. VR13 - Driver Bias.

#### Cobra 19XS IC7131-PLL

New unit - has 2SC2078 Final - push it; out of box units avg. 2W/40% mod.  
No I.D. #'s on PCB, ---see drawing below for adjustments.

'Not to Scale'

