

VE1COR Small Magnetic Loop Antenna Autotuner Project  
March 27, 2018 Trials, Sample Report. Program 5c: Half Step Reconnaissance and  
Eighth Step Active Tuning Sweeps, No Backwards Step.  
20 Meter band. Approx. 2 watts CW tuning signal. Yaesu FT-517 Transceiver.  
Note: This trial required two active tuning sweeps.

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VE1COR Autotuner program, Direct Method Ver. 5c Half-Eighth step

STARTING MAX. VALUE SWEEP AT QUARTER-STEP

TUNER POS: 732 SIGNAL: 293 HIGHEST YET: 293  
TUNER POS: 733 SIGNAL: 126 HIGHEST YET: 293  
TUNER POS: 734 SIGNAL: 93 HIGHEST YET: 293  
TUNER POS: 735 SIGNAL: 70 HIGHEST YET: 293  
TUNER POS: 736 SIGNAL: 43 HIGHEST YET: 293  
TUNER POS: 737 SIGNAL: 20 HIGHEST YET: 293  
TUNER POS: 738 SIGNAL: 14 HIGHEST YET: 293  
TUNER POS: 790 SIGNAL: 21 HIGHEST YET: 293  
TUNER POS: 791 SIGNAL: 526 HIGHEST YET: 526  
TUNER POS: 792 SIGNAL: 488 HIGHEST YET: 526  
TUNER POS: 793 SIGNAL: 503 HIGHEST YET: 526  
TUNER POS: 794 SIGNAL: 454 HIGHEST YET: 526  
TUNER POS: 795 SIGNAL: 331 HIGHEST YET: 526  
TUNER POS: 796 SIGNAL: 196 HIGHEST YET: 526  
TUNER POS: 797 SIGNAL: 79 HIGHEST YET: 526  
TUNER POS: 798 SIGNAL: 38 HIGHEST YET: 526  
TUNER POS: 799 SIGNAL: 12 HIGHEST YET: 526  
TUNER POS: 1544 SIGNAL: 107 HIGHEST YET: 526  
TUNER POS: 1545 SIGNAL: 292 HIGHEST YET: 526  
TUNER POS: 1546 SIGNAL: 272 HIGHEST YET: 526  
TUNER POS: 1547 SIGNAL: 191 HIGHEST YET: 526  
TUNER POS: 1548 SIGNAL: 131 HIGHEST YET: 526  
TUNER POS: 1549 SIGNAL: 79 HIGHEST YET: 526  
TUNER POS: 1550 SIGNAL: 50 HIGHEST YET: 526  
TUNER POS: 1551 SIGNAL: 28 HIGHEST YET: 526  
TUNER POS: 1552 SIGNAL: 11 HIGHEST YET: 526  
TUNER POS: 1604 SIGNAL: 369 HIGHEST YET: 526  
TUNER POS: 1605 SIGNAL: 126 HIGHEST YET: 526  
TUNER POS: 1606 SIGNAL: 105 HIGHEST YET: 526  
TUNER POS: 1607 SIGNAL: 63 HIGHEST YET: 526  
TUNER POS: 1608 SIGNAL: 34 HIGHEST YET: 526  
TUNER POS: 1609 SIGNAL: 16 HIGHEST YET: 526

ACTIVE TUNING AT QUARTER-STEP FOR APPROX. MAX\_SIGNAL 526

STARTING ACTIVE TUNING SWEEP: 1 - REF\_SIGNAL: 500

TUNER POS: 1 / 714 TUNED SIGNAL: 86  
TUNER POS: 1 / 715 TUNED SIGNAL: 374  
TUNER POS: 1 / 716 TUNED SIGNAL: 334  
TUNER POS: 1 / 717 TUNED SIGNAL: 246  
TUNER POS: 1 / 718 TUNED SIGNAL: 163  
TUNER POS: 1 / 719 TUNED SIGNAL: 109

TUNER POS: 1 / 720 TUNED SIGNAL: 69  
TUNER POS: 1 / 721 TUNED SIGNAL: 40  
TUNER POS: 1 / 722 TUNED SIGNAL: 17  
TUNER POS: 1 / 774 TUNED SIGNAL: 324  
TUNER POS: 1 / 775 TUNED SIGNAL: 189  
TUNER POS: 1 / 776 TUNED SIGNAL: 149  
TUNER POS: 1 / 777 TUNED SIGNAL: 91  
TUNER POS: 1 / 778 TUNED SIGNAL: 58  
TUNER POS: 1 / 779 TUNED SIGNAL: 27  
TUNER POS: 1 / 780 TUNED SIGNAL: 13  
TUNER POS: 1 / 1525 TUNED SIGNAL: 54  
TUNER POS: 1 / 1526 TUNED SIGNAL: 408  
TUNER POS: 1 / 1527 TUNED SIGNAL: 385  
TUNER POS: 1 / 1528 TUNED SIGNAL: 298  
TUNER POS: 1 / 1529 TUNED SIGNAL: 223  
TUNER POS: 1 / 1530 TUNED SIGNAL: 143  
TUNER POS: 1 / 1531 TUNED SIGNAL: 81  
TUNER POS: 1 / 1532 TUNED SIGNAL: 54  
TUNER POS: 1 / 1533 TUNED SIGNAL: 21  
TUNER POS: 1 / 1585 TUNED SIGNAL: 253  
TUNER POS: 1 / 1586 TUNED SIGNAL: 250  
TUNER POS: 1 / 1587 TUNED SIGNAL: 194  
TUNER POS: 1 / 1588 TUNED SIGNAL: 130  
TUNER POS: 1 / 1589 TUNED SIGNAL: 84  
TUNER POS: 1 / 1590 TUNED SIGNAL: 42  
TUNER POS: 1 / 1591 TUNED SIGNAL: 18  
STARTING ACTIVE TUNING SWEEP: 2 - REF\_SIGNAL: 474  
TUNER POS: 2 / 696 TUNED SIGNAL: 42  
TUNER POS: 2 / 697 TUNED SIGNAL: 451  
TUNER POS: 2 / 698 TUNED SIGNAL: 426  
TUNER POS: 2 / 699 TUNED SIGNAL: 346  
TUNER POS: 2 / 700 TUNED SIGNAL: 257  
TUNER POS: 2 / 701 TUNED SIGNAL: 161  
TUNER POS: 2 / 702 TUNED SIGNAL: 107  
TUNER POS: 2 / 703 TUNED SIGNAL: 72  
TUNER POS: 2 / 704 TUNED SIGNAL: 26  
TUNER POS: 2 / 756 TUNED SIGNAL: 227  
TUNER POS: 2 / 757 TUNED SIGNAL: 260  
TUNER POS: 2 / 758 TUNED SIGNAL: 211  
TUNER POS: 2 / 759 TUNED SIGNAL: 153  
TUNER POS: 2 / 760 TUNED SIGNAL: 97  
TUNER POS: 2 / 761 TUNED SIGNAL: 48  
TUNER POS: 2 / 762 TUNED SIGNAL: 23  
TUNER POS: 2 / 763 TUNED SIGNAL: 13  
TUNER POS: 2 / 1508 TUNED SIGNAL: 27  
TUNER POS: 2 / 1509 TUNED SIGNAL: 524  
FINAL SIGNAL: 513  
FINAL SIGNAL: 515  
FINAL SIGNAL: 524

FINAL SIGNAL: 514  
FINAL SIGNAL: 527  
FINAL SIGNAL: 509  
FINAL SIGNAL: 528  
FINAL SIGNAL: 517  
TUNING FINISHED