

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

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

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

TUNER POS:	1 / 714	TUNED VOLTS:	86
TUNER POS:	1 / 715	TUNED VOLTS:	374
TUNER POS:	1 / 716	TUNED VOLTS:	334
TUNER POS:	1 / 717	TUNED VOLTS:	246
TUNER POS:	1 / 718	TUNED VOLTS:	163
TUNER POS:	1 / 719	TUNED VOLTS:	109
TUNER POS:	1 / 720	TUNED VOLTS:	69
TUNER POS:	1 / 721	TUNED VOLTS:	40
TUNER POS:	1 / 722	TUNED VOLTS:	17
TUNER POS:	1 / 774	TUNED VOLTS:	324
TUNER POS:	1 / 775	TUNED VOLTS:	189

TUNER POS: 1 / 776 TUNED VOLTS: 149  
TUNER POS: 1 / 777 TUNED VOLTS: 91  
TUNER POS: 1 / 778 TUNED VOLTS: 58  
TUNER POS: 1 / 779 TUNED VOLTS: 27  
TUNER POS: 1 / 780 TUNED VOLTS: 13  
TUNER POS: 1 / 1525 TUNED VOLTS: 54  
TUNER POS: 1 / 1526 TUNED VOLTS: 408  
TUNER POS: 1 / 1527 TUNED VOLTS: 385  
TUNER POS: 1 / 1528 TUNED VOLTS: 298  
TUNER POS: 1 / 1529 TUNED VOLTS: 223  
TUNER POS: 1 / 1530 TUNED VOLTS: 143  
TUNER POS: 1 / 1531 TUNED VOLTS: 81  
TUNER POS: 1 / 1532 TUNED VOLTS: 54  
TUNER POS: 1 / 1533 TUNED VOLTS: 21  
TUNER POS: 1 / 1585 TUNED VOLTS: 253  
TUNER POS: 1 / 1586 TUNED VOLTS: 250  
TUNER POS: 1 / 1587 TUNED VOLTS: 194  
TUNER POS: 1 / 1588 TUNED VOLTS: 130  
TUNER POS: 1 / 1589 TUNED VOLTS: 84  
TUNER POS: 1 / 1590 TUNED VOLTS: 42  
TUNER POS: 1 / 1591 TUNED VOLTS: 18  
STARTING ACTIVE TUNING SWEEP: 2 - REF\_VOLTS: 474  
TUNER POS: 2 / 696 TUNED VOLTS: 42  
TUNER POS: 2 / 697 TUNED VOLTS: 451  
TUNER POS: 2 / 698 TUNED VOLTS: 426  
TUNER POS: 2 / 699 TUNED VOLTS: 346  
TUNER POS: 2 / 700 TUNED VOLTS: 257  
TUNER POS: 2 / 701 TUNED VOLTS: 161  
TUNER POS: 2 / 702 TUNED VOLTS: 107  
TUNER POS: 2 / 703 TUNED VOLTS: 72  
TUNER POS: 2 / 704 TUNED VOLTS: 26  
TUNER POS: 2 / 756 TUNED VOLTS: 227  
TUNER POS: 2 / 757 TUNED VOLTS: 260  
TUNER POS: 2 / 758 TUNED VOLTS: 211  
TUNER POS: 2 / 759 TUNED VOLTS: 153  
TUNER POS: 2 / 760 TUNED VOLTS: 97  
TUNER POS: 2 / 761 TUNED VOLTS: 48  
TUNER POS: 2 / 762 TUNED VOLTS: 23  
TUNER POS: 2 / 763 TUNED VOLTS: 13  
TUNER POS: 2 / 1508 TUNED VOLTS: 27  
TUNER POS: 2 / 1509 TUNED VOLTS: 524  
FINAL VOLTS: 513  
FINAL VOLTS: 515  
FINAL VOLTS: 524  
FINAL VOLTS: 514  
FINAL VOLTS: 527  
FINAL VOLTS: 509  
FINAL VOLTS: 528  
FINAL VOLTS: 517  
TUNING FINISHED