

VE1COR Small Magnetic Loop Antenna Autotuner Project

March 27, 2018 Trials, Sample Report. Program 5b: Quarter Step Reconnaissance and Quarter Step Active Tuning Sweeps, With Backwards Step.

20 Meter band. Approx. 2 watts CW tuning signal. Yaesu FT-517 Transceiver.

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VE1COR Autotuner program, Direct Method Ver. 5b (Quarter-Quarter)

With Step Back

STARTING MAX. VALUE SWEEP AT QUARTER-STEP

TUNER POS: 897 VOLTS: 15 HIGHEST YET: 15
TUNER POS: 898 VOLTS: 216 HIGHEST YET: 216
TUNER POS: 899 VOLTS: 511 HIGHEST YET: 511
TUNER POS: 900 VOLTS: 306 HIGHEST YET: 511
TUNER POS: 901 VOLTS: 79 HIGHEST YET: 511
TUNER POS: 1004 VOLTS: 36 HIGHEST YET: 511
TUNER POS: 1005 VOLTS: 204 HIGHEST YET: 511
TUNER POS: 1006 VOLTS: 468 HIGHEST YET: 511
TUNER POS: 1007 VOLTS: 94 HIGHEST YET: 511
TUNER POS: 1008 VOLTS: 18 HIGHEST YET: 511

ACTIVE TUNING AT QUARTER-STEP FOR APPROX. MAX_VOLTS 511

STARTING ACTIVE TUNING SWEEP: 1 - REF_VOLTS: 486

TUNER POS: 1 / 858 TUNED VOLTS: 41

TUNER POS: 1 / 859 TUNED VOLTS: 343

TUNER POS: 1 / 860 TUNED VOLTS: 486

STEPPING BACK. VOLTS: 474

FINAL VOLTS: 517

FINAL VOLTS: 518

FINAL VOLTS: 486

FINAL VOLTS: 509

FINAL VOLTS: 478

FINAL VOLTS: 511

FINAL VOLTS: 496

FINAL VOLTS: 508

TUNING FINISHED