

VE1COR Small Magnetic Loop Antenna Autotuner Project

March 27, 2018 Trials, Sample Report. Program 5a: Quarter Step Reconnaissance and Quarter Step Active Tuning Sweeps, No Backwards Step.

20 Meter band. Approx. 2 watts CW tuning signal. Yaesu FT-817 Transceiver.

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

STARTING MAX. VALUE SWEEP AT QUARTER-STEP
TUNER POS: 88 VOLTS: 12 HIGHEST YET: 12
TUNER POS: 89 VOLTS: 65 HIGHEST YET: 65
TUNER POS: 90 VOLTS: 343 HIGHEST YET: 343
TUNER POS: 91 VOLTS: 478 HIGHEST YET: 478
TUNER POS: 92 VOLTS: 187 HIGHEST YET: 478
TUNER POS: 93 VOLTS: 38 HIGHEST YET: 478
TUNER POS: 1583 VOLTS: 59 HIGHEST YET: 478
TUNER POS: 1584 VOLTS: 286 HIGHEST YET: 478
TUNER POS: 1585 VOLTS: 535 HIGHEST YET: 535
TUNER POS: 1586 VOLTS: 252 HIGHEST YET: 535
TUNER POS: 1587 VOLTS: 32 HIGHEST YET: 535

ACTIVE TUNING AT QUARTER-STEP FOR APPROX. MAXIMUM VOLTS 535

STARTING ACTIVE TUNING SWEEP: 1 - REF_VOLTS: 509
TUNER POS: 1 / 50 TUNED VOLTS: 34
TUNER POS: 1 / 51 TUNED VOLTS: 301
TUNER POS: 1 / 52 TUNED VOLTS: 512
FINAL VOLTS: 520
FINAL VOLTS: 523
FINAL VOLTS: 511
FINAL VOLTS: 519
FINAL VOLTS: 525
FINAL VOLTS: 519
FINAL VOLTS: 501
FINAL VOLTS: 531