

AUTOTUNER REPORT OF 3 TUNINGS. TAKEN AT THE  
ARIZONA DESERT FEB. 11, 2020. RESULTS /  
CONDITIONS ARE AT THE END OF EACH TUNING.  
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SMLA Autotuner Program ver. 01 (Half and Sixteenth Steps)  
By Andrew Cornwall, VE1COR  
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STARTING MAX. VALUE SWEEP

Half Step engaged  
TUNER POS: 4073 SIGNAL: 474 HIGHEST YET: 474

SIXTEENTH Step engaged  
TUNER POS: 4081 SIGNAL: 480 HIGHEST YET: 480  
TUNER POS: 4082 SIGNAL: 492 HIGHEST YET: 492  
TUNER POS: 4083 SIGNAL: 502 HIGHEST YET: 502  
TUNER POS: 4084 SIGNAL: 510 HIGHEST YET: 510  
TUNER POS: 4085 SIGNAL: 532 HIGHEST YET: 532  
TUNER POS: 4086 SIGNAL: 575 HIGHEST YET: 575  
TUNER POS: 4087 SIGNAL: 637 HIGHEST YET: 637  
TUNER POS: 4088 SIGNAL: 632 HIGHEST YET: 637  
TUNER POS: 4089 SIGNAL: 390 HIGHEST YET: 637  
TUNER POS: 4090 SIGNAL: 222 HIGHEST YET: 637  
TUNER POS: 4091 SIGNAL: 99 HIGHEST YET: 637  
TUNER POS: 4092 SIGNAL: 39 HIGHEST YET: 637  
TUNER POS: 4093 SIGNAL: 21 HIGHEST YET: 637  
TUNER POS: 4094 SIGNAL: 14 HIGHEST YET: 637  
TUNER POS: 4095 SIGNAL: 12 HIGHEST YET: 637

Half Step engaged  
TUNER POS: 4842 SIGNAL: 530 HIGHEST YET: 637

SIXTEENTH Step engaged  
TUNER POS: 4850 SIGNAL: 594 HIGHEST YET: 637  
TUNER POS: 4851 SIGNAL: 611 HIGHEST YET: 637  
TUNER POS: 4852 SIGNAL: 626 HIGHEST YET: 637  
TUNER POS: 4853 SIGNAL: 633 HIGHEST YET: 637  
TUNER POS: 4854 SIGNAL: 632 HIGHEST YET: 637  
TUNER POS: 4855 SIGNAL: 628 HIGHEST YET: 637  
TUNER POS: 4856 SIGNAL: 620 HIGHEST YET: 637  
TUNER POS: 4857 SIGNAL: 601 HIGHEST YET: 637  
TUNER POS: 4858 SIGNAL: 586 HIGHEST YET: 637  
TUNER POS: 4859 SIGNAL: 551 HIGHEST YET: 637  
TUNER POS: 4860 SIGNAL: 476 HIGHEST YET: 637  
TUNER POS: 4861 SIGNAL: 362 HIGHEST YET: 637  
TUNER POS: 4862 SIGNAL: 210 HIGHEST YET: 637  
TUNER POS: 4863 SIGNAL: 74 HIGHEST YET: 637  
TUNER POS: 4864 SIGNAL: 20 HIGHEST YET: 637

Half Step engaged  
  
ACTIVE TUNING FOR APPROX. MAXIMUM SIGNAL 637  
STARTING ACTIVE TUNING SWEEP: 1 - REF\_SIGNAL: 606

Half Step engaged  
TUNER POS: 2 / 3961 TUNED SIGNAL: 13

SIXTEENTH Step engaged

TUNER POS: 2 / 3969 TUNED SIGNAL: 13  
TUNER POS: 2 / 3970 TUNED SIGNAL: 16  
TUNER POS: 2 / 3971 TUNED SIGNAL: 15  
TUNER POS: 2 / 3972 TUNED SIGNAL: 14  
TUNER POS: 2 / 3973 TUNED SIGNAL: 16  
TUNER POS: 2 / 3974 TUNED SIGNAL: 22  
TUNER POS: 2 / 3975 TUNED SIGNAL: 42  
TUNER POS: 2 / 3976 TUNED SIGNAL: 241  
TUNER POS: 2 / 3977 TUNED SIGNAL: 530  
TUNER POS: 2 / 3978 TUNED SIGNAL: 630  
FINAL SIGNAL: 628  
FINAL SIGNAL: 632  
FINAL SIGNAL: 643  
FINAL SIGNAL: 644  
FINAL SIGNAL: 647  
FINAL SIGNAL: 651  
FINAL SIGNAL: 648  
FINAL SIGNAL: 643  
FINAL SIGNAL: 644  
FINAL SIGNAL: 646  
TUNING FINISHED

:Freq. 14.252 MHz  
:Tuning Power 5 WATTS  
:Autotuner sensitivity LOW  
:Distance between radio and small mag. lopp ant. 16 feet  
:SWR 1.2  
:Final percent of MAX power encountered >100%

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STARTING MAX. VALUE SWEEP

Half Step engaged  
TUNER POS: 2489 SIGNAL: 73 HIGHEST YET: 73

SIXTEENTH Step engaged  
TUNER POS: 2497 SIGNAL: 81 HIGHEST YET: 81  
TUNER POS: 2498 SIGNAL: 86 HIGHEST YET: 86  
TUNER POS: 2499 SIGNAL: 94 HIGHEST YET: 94  
TUNER POS: 2500 SIGNAL: 85 HIGHEST YET: 94  
TUNER POS: 2501 SIGNAL: 92 HIGHEST YET: 94  
TUNER POS: 2502 SIGNAL: 90 HIGHEST YET: 94  
TUNER POS: 2503 SIGNAL: 88 HIGHEST YET: 94  
TUNER POS: 2504 SIGNAL: 72 HIGHEST YET: 94  
TUNER POS: 2505 SIGNAL: 52 HIGHEST YET: 94  
TUNER POS: 2506 SIGNAL: 37 HIGHEST YET: 94  
TUNER POS: 2507 SIGNAL: 32 HIGHEST YET: 94  
TUNER POS: 2508 SIGNAL: 24 HIGHEST YET: 94  
TUNER POS: 2509 SIGNAL: 19 HIGHEST YET: 94  
TUNER POS: 2510 SIGNAL: 14 HIGHEST YET: 94  
TUNER POS: 2511 SIGNAL: 11 HIGHEST YET: 94

Half Step engaged  
TUNER POS: 4401 SIGNAL: 68 HIGHEST YET: 94

SIXTEENTH Step engaged

TUNER POS: 4409 SIGNAL: 85 HIGHEST YET: 94  
TUNER POS: 4410 SIGNAL: 97 HIGHEST YET: 97  
TUNER POS: 4411 SIGNAL: 111 HIGHEST YET: 111  
TUNER POS: 4412 SIGNAL: 124 HIGHEST YET: 124  
TUNER POS: 4413 SIGNAL: 125 HIGHEST YET: 125  
TUNER POS: 4414 SIGNAL: 128 HIGHEST YET: 128  
TUNER POS: 4415 SIGNAL: 129 HIGHEST YET: 129  
TUNER POS: 4416 SIGNAL: 131 HIGHEST YET: 131  
TUNER POS: 4417 SIGNAL: 134 HIGHEST YET: 134  
TUNER POS: 4418 SIGNAL: 135 HIGHEST YET: 135  
TUNER POS: 4419 SIGNAL: 138 HIGHEST YET: 138  
TUNER POS: 4420 SIGNAL: 140 HIGHEST YET: 140  
TUNER POS: 4421 SIGNAL: 135 HIGHEST YET: 140  
TUNER POS: 4422 SIGNAL: 130 HIGHEST YET: 140  
TUNER POS: 4423 SIGNAL: 124 HIGHEST YET: 140  
TUNER POS: 4424 SIGNAL: 85 HIGHEST YET: 140  
TUNER POS: 4425 SIGNAL: 53 HIGHEST YET: 140  
TUNER POS: 4426 SIGNAL: 41 HIGHEST YET: 140  
TUNER POS: 4427 SIGNAL: 26 HIGHEST YET: 140  
TUNER POS: 4428 SIGNAL: 23 HIGHEST YET: 140  
TUNER POS: 4429 SIGNAL: 16 HIGHEST YET: 140  
TUNER POS: 4430 SIGNAL: 14 HIGHEST YET: 140  
TUNER POS: 4431 SIGNAL: 13 HIGHEST YET: 140

Half Step engaged

ACTIVE TUNING FOR APPROX. MAXIMUM SIGNAL 140  
STARTING ACTIVE TUNING SWEEP: 1 - REF\_SIGNAL: 133

Half Step engaged

TUNER POS: 2 / 2385 TUNED SIGNAL: 56

SIXTEENTH Step engaged

TUNER POS: 2 / 2393 TUNED SIGNAL: 69  
TUNER POS: 2 / 2394 TUNED SIGNAL: 69  
TUNER POS: 2 / 2395 TUNED SIGNAL: 74  
TUNER POS: 2 / 2396 TUNED SIGNAL: 84  
TUNER POS: 2 / 2397 TUNED SIGNAL: 96  
TUNER POS: 2 / 2398 TUNED SIGNAL: 100  
TUNER POS: 2 / 2399 TUNED SIGNAL: 101  
TUNER POS: 2 / 2400 TUNED SIGNAL: 99  
TUNER POS: 2 / 2401 TUNED SIGNAL: 92  
TUNER POS: 2 / 2402 TUNED SIGNAL: 80  
TUNER POS: 2 / 2403 TUNED SIGNAL: 67  
TUNER POS: 2 / 2404 TUNED SIGNAL: 58  
TUNER POS: 2 / 2405 TUNED SIGNAL: 48  
TUNER POS: 2 / 2406 TUNED SIGNAL: 40  
TUNER POS: 2 / 2407 TUNED SIGNAL: 39  
TUNER POS: 2 / 2408 TUNED SIGNAL: 32  
TUNER POS: 2 / 2409 TUNED SIGNAL: 27  
TUNER POS: 2 / 2410 TUNED SIGNAL: 24  
TUNER POS: 2 / 2411 TUNED SIGNAL: 19  
TUNER POS: 2 / 2412 TUNED SIGNAL: 12

Half Step engaged

TUNER POS: 2 / 4295 TUNED SIGNAL: 35

SIXTEENTH Step engaged  
TUNER POS: 2 / 4303 TUNED SIGNAL: 49  
TUNER POS: 2 / 4304 TUNED SIGNAL: 64  
TUNER POS: 2 / 4305 TUNED SIGNAL: 71  
TUNER POS: 2 / 4306 TUNED SIGNAL: 76  
TUNER POS: 2 / 4307 TUNED SIGNAL: 79  
TUNER POS: 2 / 4308 TUNED SIGNAL: 85  
TUNER POS: 2 / 4309 TUNED SIGNAL: 85  
TUNER POS: 2 / 4310 TUNED SIGNAL: 89  
TUNER POS: 2 / 4311 TUNED SIGNAL: 98  
TUNER POS: 2 / 4312 TUNED SIGNAL: 98  
TUNER POS: 2 / 4313 TUNED SIGNAL: 105  
TUNER POS: 2 / 4314 TUNED SIGNAL: 113  
TUNER POS: 2 / 4315 TUNED SIGNAL: 123  
TUNER POS: 2 / 4316 TUNED SIGNAL: 130  
TUNER POS: 2 / 4317 TUNED SIGNAL: 134  
FINAL SIGNAL: 146  
FINAL SIGNAL: 142  
FINAL SIGNAL: 143  
FINAL SIGNAL: 139  
FINAL SIGNAL: 147  
FINAL SIGNAL: 147  
FINAL SIGNAL: 146  
FINAL SIGNAL: 147  
FINAL SIGNAL: 147  
FINAL SIGNAL: 145  
TUNING FINISHED

:Freq. 7.240 MHz  
:Tuning Power 5 WATTS  
:Autotuner sensitivity LOW  
:Distance between radio and small mag. loop ant. 16 feet  
:SWR 1.1  
:Final percent of MAX power encountered >100%

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STARTING MAX. VALUE SWEEP

Half Step engaged  
TUNER POS: 4345 SIGNAL: 19 HIGHEST YET: 19

SIXTEENTH Step engaged  
TUNER POS: 4353 SIGNAL: 23 HIGHEST YET: 23  
TUNER POS: 4354 SIGNAL: 27 HIGHEST YET: 27  
TUNER POS: 4355 SIGNAL: 30 HIGHEST YET: 30  
TUNER POS: 4356 SIGNAL: 39 HIGHEST YET: 39  
TUNER POS: 4357 SIGNAL: 44 HIGHEST YET: 44  
TUNER POS: 4358 SIGNAL: 56 HIGHEST YET: 56  
TUNER POS: 4359 SIGNAL: 74 HIGHEST YET: 74  
TUNER POS: 4360 SIGNAL: 135 HIGHEST YET: 135  
TUNER POS: 4361 SIGNAL: 210 HIGHEST YET: 210  
TUNER POS: 4362 SIGNAL: 245 HIGHEST YET: 245  
TUNER POS: 4363 SIGNAL: 270 HIGHEST YET: 270  
TUNER POS: 4364 SIGNAL: 281 HIGHEST YET: 281  
TUNER POS: 4365 SIGNAL: 280 HIGHEST YET: 281

TUNER POS: 4366 SIGNAL: 272 HIGHEST YET: 281  
TUNER POS: 4367 SIGNAL: 266 HIGHEST YET: 281  
TUNER POS: 4368 SIGNAL: 266 HIGHEST YET: 281  
TUNER POS: 4369 SIGNAL: 261 HIGHEST YET: 281  
TUNER POS: 4370 SIGNAL: 246 HIGHEST YET: 281  
TUNER POS: 4371 SIGNAL: 237 HIGHEST YET: 281  
TUNER POS: 4372 SIGNAL: 213 HIGHEST YET: 281  
TUNER POS: 4373 SIGNAL: 177 HIGHEST YET: 281  
TUNER POS: 4374 SIGNAL: 132 HIGHEST YET: 281  
TUNER POS: 4375 SIGNAL: 82 HIGHEST YET: 281  
TUNER POS: 4376 SIGNAL: 27 HIGHEST YET: 281  
TUNER POS: 4377 SIGNAL: 16 HIGHEST YET: 281  
TUNER POS: 4378 SIGNAL: 13 HIGHEST YET: 281  
TUNER POS: 4379 SIGNAL: 16 HIGHEST YET: 281

Half Step engaged

TUNER POS: 6253 SIGNAL: 12 HIGHEST YET: 281

SIXTEENTH Step engaged

TUNER POS: 6261 SIGNAL: 19 HIGHEST YET: 281  
TUNER POS: 6262 SIGNAL: 22 HIGHEST YET: 281  
TUNER POS: 6263 SIGNAL: 26 HIGHEST YET: 281  
TUNER POS: 6264 SIGNAL: 29 HIGHEST YET: 281  
TUNER POS: 6265 SIGNAL: 39 HIGHEST YET: 281  
TUNER POS: 6266 SIGNAL: 44 HIGHEST YET: 281  
TUNER POS: 6267 SIGNAL: 50 HIGHEST YET: 281  
TUNER POS: 6268 SIGNAL: 58 HIGHEST YET: 281  
TUNER POS: 6269 SIGNAL: 60 HIGHEST YET: 281  
TUNER POS: 6270 SIGNAL: 70 HIGHEST YET: 281  
TUNER POS: 6271 SIGNAL: 82 HIGHEST YET: 281  
TUNER POS: 6272 SIGNAL: 104 HIGHEST YET: 281  
TUNER POS: 6273 SIGNAL: 133 HIGHEST YET: 281  
TUNER POS: 6274 SIGNAL: 180 HIGHEST YET: 281  
TUNER POS: 6275 SIGNAL: 235 HIGHEST YET: 281  
TUNER POS: 6276 SIGNAL: 302 HIGHEST YET: 302  
TUNER POS: 6277 SIGNAL: 326 HIGHEST YET: 326  
TUNER POS: 6278 SIGNAL: 330 HIGHEST YET: 330  
TUNER POS: 6279 SIGNAL: 322 HIGHEST YET: 330  
TUNER POS: 6280 SIGNAL: 308 HIGHEST YET: 330  
TUNER POS: 6281 SIGNAL: 289 HIGHEST YET: 330  
TUNER POS: 6282 SIGNAL: 288 HIGHEST YET: 330  
TUNER POS: 6283 SIGNAL: 271 HIGHEST YET: 330  
TUNER POS: 6284 SIGNAL: 264 HIGHEST YET: 330  
TUNER POS: 6285 SIGNAL: 258 HIGHEST YET: 330  
TUNER POS: 6286 SIGNAL: 239 HIGHEST YET: 330  
TUNER POS: 6287 SIGNAL: 217 HIGHEST YET: 330  
TUNER POS: 6288 SIGNAL: 183 HIGHEST YET: 330  
TUNER POS: 6289 SIGNAL: 133 HIGHEST YET: 330  
TUNER POS: 6290 SIGNAL: 79 HIGHEST YET: 330  
TUNER POS: 6291 SIGNAL: 42 HIGHEST YET: 330  
TUNER POS: 6292 SIGNAL: 11 HIGHEST YET: 330

Half Step engaged

ACTIVE TUNING FOR APPROX. MAXIMUM SIGNAL 330  
STARTING ACTIVE TUNING SWEEP: 1 - REF\_SIGNAL: 314

Half Step engaged

TUNER POS: 2 / 4241 TUNED SIGNAL: 100

SIXTEENTH Step engaged

TUNER POS: 2 / 4249 TUNED SIGNAL: 117  
TUNER POS: 2 / 4250 TUNED SIGNAL: 139  
TUNER POS: 2 / 4251 TUNED SIGNAL: 150  
TUNER POS: 2 / 4252 TUNED SIGNAL: 174  
TUNER POS: 2 / 4253 TUNED SIGNAL: 201  
TUNER POS: 2 / 4254 TUNED SIGNAL: 216  
TUNER POS: 2 / 4255 TUNED SIGNAL: 236  
TUNER POS: 2 / 4256 TUNED SIGNAL: 250  
TUNER POS: 2 / 4257 TUNED SIGNAL: 264  
TUNER POS: 2 / 4258 TUNED SIGNAL: 271  
TUNER POS: 2 / 4259 TUNED SIGNAL: 273  
TUNER POS: 2 / 4260 TUNED SIGNAL: 274  
TUNER POS: 2 / 4261 TUNED SIGNAL: 256  
TUNER POS: 2 / 4262 TUNED SIGNAL: 238  
TUNER POS: 2 / 4263 TUNED SIGNAL: 197  
TUNER POS: 2 / 4264 TUNED SIGNAL: 107  
TUNER POS: 2 / 4265 TUNED SIGNAL: 40  
TUNER POS: 2 / 4266 TUNED SIGNAL: 24  
TUNER POS: 2 / 4267 TUNED SIGNAL: 19  
TUNER POS: 2 / 4268 TUNED SIGNAL: 13  
TUNER POS: 2 / 4269 TUNED SIGNAL: 11  
TUNER POS: 2 / 4270 TUNED SIGNAL: 12  
TUNER POS: 2 / 4272 TUNED SIGNAL: 14

Half Step engaged

TUNER POS: 2 / 6146 TUNED SIGNAL: 48

SIXTEENTH Step engaged

TUNER POS: 2 / 6154 TUNED SIGNAL: 65  
TUNER POS: 2 / 6155 TUNED SIGNAL: 81  
TUNER POS: 2 / 6156 TUNED SIGNAL: 96  
TUNER POS: 2 / 6157 TUNED SIGNAL: 104  
TUNER POS: 2 / 6158 TUNED SIGNAL: 119  
TUNER POS: 2 / 6159 TUNED SIGNAL: 126  
TUNER POS: 2 / 6160 TUNED SIGNAL: 156  
TUNER POS: 2 / 6161 TUNED SIGNAL: 211  
TUNER POS: 2 / 6162 TUNED SIGNAL: 267  
TUNER POS: 2 / 6163 TUNED SIGNAL: 301  
TUNER POS: 2 / 6164 TUNED SIGNAL: 325  
FINAL SIGNAL: 349  
FINAL SIGNAL: 345  
FINAL SIGNAL: 346  
FINAL SIGNAL: 350  
FINAL SIGNAL: 353  
FINAL SIGNAL: 346  
FINAL SIGNAL: 352  
FINAL SIGNAL: 344  
FINAL SIGNAL: 347  
FINAL SIGNAL: 354  
TUNING FINISHED

:Freq. 7.240 MHz

:Tuning Power 5 WATTS

:Autotuner sensitivity HIGH

:Distance bewenn radio and small mag. lopp ant. 16 feet

:SWR 1.2

:Final percent of MAX power encountered >100%

