A method based on concatenation to create very large numbers with very few prime factors

Abstract. In this paper I share a very interesting discovery made more or less by accident: taking a number having just even digits, like for instance 224866802226608 (I have chosen this randomly right now when I am writing the Abstract) and concatenating it three times with itself and then to the right with the digit 1 (like in the example taken 2248668022266082248668022266082248668022266081) seems that are great chances to obtain a number with very few prime factors (in the case taken just 4 prime factors).

Observation:

Taking a number having just even digits and concatenating it three times with itself and then to the right with the digit 1 seems that are great chances to obtain a number with very few prime factors.

Examples:

: for 888866824 the number 8888668248888668248888668241 has 3 prime factors;
: for 2244660800 the number 2244660800224466080022446608001 has 2 prime factors;
: for 66624848824 the number 666248488246662484882466624848824 has 3 prime factors;
: for 668482848284 the number 668482848284668482848284668482848284 has 3 prime factors;
: for 8000024646480 the number 8000024646480800002464648080000246464801 has 3 prime factors;
: for 22266644488044 the number 222666444880442226664448804422266644880441 has 4 prime factors;
: for 880008884484828 the number 8800088844848288800088844848288800088844848281 has 3 prime factors;
: for 444666444000804 the number 4446664440008044446664440008044446664440008041 has 4 prime factors;
: for 888866640404202 the number 8888666404042028888666404042028888666404042021 has 2 prime factors;

: for 888000444000404 the number
888000444000404888000444000404888000444000404**1** has 3
prime factors;
: for 666888000444606 the number
666888000444606666888000444606666888000444606**1** has 4
prime factors;
: for 222222222222222 the number
2222222222222222222222222222222222222222222222**1** has 3
prime factors;
: for 444444444444444 the number
4444444444444444444444444444444444444444444444**1** has 3
prime factors;
: for 666666666666666 the number
6666666666666666666666666666666666666666666666**1** has 3
prime factors;
: for 888888888888888 the number
8888888888888888888888888888888888888888888888**1** has 4
prime factors;
: for 24242424242424 the number 24242424242424
24242424242424 24242424242424 24242424242424**1** has 4
prime factors;
: for 246802468024680 the number 246802468024680
246802468024680 246802468024680**1** has 3 prime factors;
: for 64646464646464 the number
6464646464646464646464646464646464646464646**1** is
prime.

The sequence of primes obtained concatenating the numbers
having only even digits three times with themselves and then
to the right with the digit 1 (I conjecture that this sequence
has an infinity of terms):

: 2221, 4441, 6661, 2424241, 2828281, 4040401, 4242421,
6262621, 6868681, 8282821, 2002002001, 2242242241,
2422422421, 2482482481, 2602602601, 2622622621,
2642642641, 4044044041, 4424424421, 4824824821,
6226226221, 6266266261, 6486486481, 6646646641,
6666666661, 6846846841, 8448448441, 8648648641,
2004200420041, 2024202420241, 2042204220421 (...)

The longest chain, met, with consecutive terms of the general
sequence of the numbers obtained like mentioned which are
primes has 4 terms: 2482482481, 2602602601, 2622622621,
2642642641.